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[Decisions of the District Court of the United States for the District of Columbia are indicated by the letter ([d]); of the United States Court of Appeals for the District of Columbia by the Letter ([a]); and of the United States Court of Customs and Patent Appeals by a star (*).]

ERRATA

List of Inventions—page XXXVI, column 1, line 22 from bottom of page, after the name J. D. Roberson, insert the Patent No. 2,097,936.

397883

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Orally administered medicaments. Serial No. 397,164; Nov. 2. Class 6.

Abbott Laboratories, North Chicago, Ill. Product for oral administration in the treatment of anemia. Serial No. 397,165; Nov. 2. Class 6.

Abbott Laboratories, North Chicago, Ill. Isotonic aqueous solution. Serial No. 397,166; Nov. 2. Class 6.

Acme Bronze Powder Company, New York, N. Y. Aluminum paint, aluminum paste, bronzing liquids, etc. Serial No. 392,513; Nov. 2. Class 16.

Acme White Lead and Color Works, Detroit, Mich. Ready mixed paints. Serial No. 396,554; Nov. 2. Class 16.

Adelson, Joseph, & Sons, New York, N. Y. Women's undergarments. Serial No. 394,736; Nov. 2. Class 39.

Advertising Publications, Incorporated, Chicago, Ill., and New York, N. Y. Annual publication. Serial No. 395,255; Nov. 2. Class 38.

Albert, Lisa, doing business as L. Albert Co., New York, N. Y. Commode pad. Serial No. 369,903; Nov. 2. Class 32.

Aluminum Cooking Utensil Company, The, New Kensington, Pa. Base metal table and cooking hollow ware. Serial No. 396,020; Nov. 2. Class 13.

American Concrete Expansion Joint Co., Chicago, Ill. Joints for concrete roads and the like. Serial No. 389,595; Nov. 2. Class 12.

American Giese Wire Corporation, New York, N. Y. Steel music wire. Serial No. 382,547; Nov. 2. Class 36.

American Iron & Machine Works Company, Oklahoma City, Okla. Check-valves, float-valves, gate-valves, etc. Serial No. 395,893; Nov. 2. Class 13.

American Oil Company, The, Baltimore, Md. Lubricating oils and greases. Serial No. 395,466; Nov. 2. Class 15.

Anabolic Food Products, Inc., Chicago, Ill. Supplemental food product. Serial Nos. 386,392–4; Nov. 2. Class 46.

Archer Rubber Company, Milford, Mass. Rubberized fabrics. Serial No. 397,017; Nov. 2. Class 50.

Aristopharm A.-G. (Aristopharm S. A.), (Aristopharm Ltd.), Basel, Switzerland. Medical compound or preparation. Serial No. 392,837; Nov. 2. Class 6.

Arnold Sales Corporation, New York, N. Y. Rayon piece goods. Serial No. 396,483; Nov. 2. Class 42.

Autobridge, Inc., New York, N. Y. Game board. Serial No. 397,833; Nov. 2. Class 22.

Bachmann Brothers, Inc., Philadelphia, Pa. Goggles. Serial No. 396,862; Nov. 2. Class 26.

Baron, Nathan, Jamaica, N. Y. Cough mixture and liniments. Serial No. 396,347; Nov. 2. Class 6.

Baryl, Walter G., doing business as Re-Vi-Vo Products, Chicago, Ill. Polishes or sealers for cleaning and polishing painted, varnished or other finished surfaces. Serial No. 392,839; Nov. 2. Class 16.

Bastian-Morley Co. Inc., La Porte, Ind. Electric water supply heaters. Serial No. 396,591; Nov. 2. Class 21.

Battle Creek Food Company, The, Battle Creek, Mich. Remedy for hypoacidity and digestive disorders. Serial No. 397,065; Nov. 2. Class 6.

Bawin, Achille, New York, N. Y. Vanillin sugar. Serial No. 394,161; Nov. 2. Class 46.

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. Serial No. 396,863; Nov. 2. Class 39.

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. Serial No. 396,866; Nov. 2. Class 39.

Berry Bros. & Co., London, England. Scotch whiskey. Serial No. 396,296; Nov. 2. Class 49.

Birmingham Paper Co., Birmingham, Ala. School tablets, pads, blank books, etc. Serial No. 395,514; Nov. 2. Class 37.

Blue Ribbon Noodle Company, Inc., Wilkes-Barre, Pa. Noodles, spaghetti, macaroni, etc. Serial No. 395,396; Nov. 2. Class 46.

Bonani, Ricardo, é Hijos, Bell Ville, Cordoba, Argentina. Footballs, basketballs, rugby balls, etc. Serial No. 395,397; Nov. 2. Class 22.

Brownville Board Company, Brownville, N. Y. Solid white paper tagboard. Serial No. 396,444; Nov. 2. Class 37.

Burgess Battery Company, Chicago, Ill. Flashlights and flashlight cases. Serial Nos. 396,908–9; Nov. 2. Class 21.

Byron, Leon Jay, Co., Inc., New York, N. Y. Blouses, pajamas, petticoats, etc. Serial Nos. 396,178–9; Nov. 2. Class 39.

California Conserving Company, Incorporated, San Francisco, Calif. Periodical program skits for radio stations. Serial No. 393,971; Nov. 2. Class 38.

Callahan, L. J., & Co., Inc., New York, N. Y. Wines. Serial No. 395,898; Nov. 2. Class 47.

Caporale, Antonio, doing business as Caporale Brothers Company, Boston, Mass. Cigars. Serial No. 394,659; Nov. 2. Class 17.

Carrel, Chicago. (See Walgreen Co.)

Chefford Master Manufacturing Co., Fairfield, Ill. Diaphragms. Serial No. 395,017; Nov. 2. Class 23.

Cities Service Oil Company, Bartlesville, Okla. Quenching oil. Serial No. 396,593; Nov. 2. Class 15.

Cities Service Oil Company, Bartlesville, Okla. Journal and heavy duty oil. Serial No. 396,594; Nov. 2. Class 15.

Cleveland Chemical Associates, Incorporated, Cleveland, Ohio. Colloidal cream of aluminum hydroxide. Serial No. 396,351; Nov. 2. Class 6.

Clune, Andrew G., doing business as National Fur Institute, Brooklyn, N. Y. Hudson seal fur. Serial No. 397,021; Nov. 2. Class 1.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 392,088; Nov. 2. Class 42.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial Nos. 396,979–80; Nov. 2. Class 23.

Combination Door Co., The. (See Schmidt, Louis J.)

Commercial Creamery Company, Inc., Spokane, Wash. Modified egg albumen for food purposes. Serial No. 395,637; Nov. 2. Class 46.

Commercial Italiana Società Anonima per il Rayon Cisa-Rayon, Rome, Italy. Artificial textile fibres. Serial No. 394,697; Nov. 2. Class 1.

Coochicos, Spiros, New York, N. Y. Preparation for removal of dandruff, hair tonic, preparation for prevention of falling hair, etc. Serial No. 395,285; Nov. 2. Class 6.

Cornell, Beaumont S., Fort Wayne, Ind. Preparation for the treatment of neoplasms. Serial No. 396,119; Nov. 2. Class 6.

Crutcher, Carlile, Louisville, Ky. Illustrated stories. Serial No. 393,753; Nov. 2. Class 38.

Crystex Laboratories, Inc., Charlton, Iowa. Liquid preparation for the treatment of athlete's foot. Serial No. 393,160; Nov. 2. Class 6.

Davenport, Cornelia W., Philadelphia, Pa. Dry rouges, face powders, body powders, etc. Serial No. 378,481; Nov. 2. Class 6.

Dempster Brothers, Incorporated, Knoxville, Tenn. hoisting units and detachable brackets and containers therefor. Serial No. 392,582; Nov. 2. Class 23.

Di Mauro, Joseph, Ansonia, Conn. Medicinal preparation. Serial No. 396,301; Nov. 2. Class 6.

Dodge, F. W., Corporation, New York, N. Y. Section of a monthly publication. Serial No. 396,226; Nov. 2. Class 38.

Doehler Die Casting Co., New York, N. Y. Castings made from aluminum alloys. Serial No. 397,435; Nov. 2. Class 14.

Dudgeon, Floyd R., doing business as Lyric Beauty Products, Oakland, Calif. Beauty products. Serial No. 388,832; Nov. 2. Class 6.

Dutchman, Ernest, London, England. Preparation to be used on cigarette or pipe tobacco. Serial No. 386,416; Nov. 2. Class 6.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic film, sound recording film, etc. Serial No. 396,264; Nov. 2. Class 26.

Economy Paper Products Company, Milwaukee, Wis. Waxed paper. Serial No. 391,857; Nov. 2. Class 37.

Elnhorn, Emil, New York, N. Y. Cleansing cream, lipstick, face powder, etc. Serial No. 383,769; Nov. 2. Class 6.

Electro-Cosmic, Inc., Chicago, Ill. Odorproof containers. Serial No. 397,111; Nov. 2. Class 2.

Electromaster, Inc., Detroit, Mich. Electric ranges and parts thereof. Serial No. 396,983; Nov. 2. Class 21.

Ever-Plastics Corporation, New York, N. Y. Preparation for use in the grafting and dressing of trees and plants. Serial No. 396,532; Nov. 2. Class 6.

Ever-Plastics Corporation, New York, N. Y. Plastic compounds for setting glass, etc. Serial No. 397,505; Nov. 2. Class 12.

Ez-Fire Company, Ludowici, Ga. Kindling blocks. Serial No. 396,457; Nov. 2. Class 1.

Fabergé Inc., New York, N. Y. Perfume, toilet water, face powder, etc. Serial No. 394,832; Nov. 2. Class 6.

Fine Foods, Inc., Seattle, Wash. Malt syrups for food purposes. Serial No. 382,949; Nov. 2. Class 46.

Florex Laboratory, Los Angeles, Calif. Pharmaceutical acidophilus compound. Serial No. 385,274; Nov. 2. Class 6.

Ford Hopkins Company, also doing business as The Laxative Clinic, Chicago, Ill. Laxative in tablet form. Serial No. 395,413; Nov. 2. Class 6.

Garden State Tanning Co., New York, N. Y. Raw hides. Serial No. 396,034; Nov. 2. Class 1.

Globe Photo, Inc., Greenville, S. C. Photographic prints. Serial No. 395,664; Nov. 2. Class 38.

Goetz, Ludwig E., New York, N. Y. Blouses and dresses. Serial No. 396,398; Nov. 2. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Goldwater, Stanford J., New York, N. Y. Pillow protectors, blanket protectors, etc. Serial No. 387,376; Nov. 2. Class 42.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Hot water heaters for automobiles. Serial No. 396,130; Nov. 2. Class 19.

Goslaw, Edward L., Boulder Creek, Calif. Compound for the treatment of neuritis, arthritis, and muscular rheumatism. Serial No. 393,806; Nov. 2. Class 6.

Governor and Company of Adventurers of England Trading Into Hudson's Bay, The, doing business as Hudson's Bay Company, London, England, and Winnipeg, Manitoba, Canada. Whisky. Serial No. 398,104; Nov. 2. Class 49.

Grant Photo Corp., New York, N. Y. Articles of commerce comprising a holder, a composite photograph in the holder and a movable screen in front of the photograph. Serial No. 396,989; Nov. 2. Class 26.

Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bed springs and mattresses. Serial Nos. 394,228–9; Nov. 2. Class 32.

Greenpoint Metallic Bed Co., Inc. Bed springs and mattresses. Serial No. 395,380; Nov. 2. Class 32.

Halliburton, G. N., doing business as Tropical Beverage Sales Co., Jacksonville, Fla. Soft drinks. Serial No. 396,915; Nov. 2. Class 45.

Hamilton Chemical Co. (See Wangeman, Robert A.)

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Rennet. Serial No. 395,992; Nov. 2. Class 46.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. Serial No. 393,423; Nov. 2. Class 39.

Hauser, Emil, New York, N. Y. Chairs, benches, seats, etc. Serial No. 391,217; Nov. 2. Class 32.

Heilmann, Frank J., doing business as Heilmann's, Los Angeles, Calif. Gout and rheumatic medicine. Serial No. 395,916; Nov. 2. Class 6.

Heilmann, Frank J., doing business as Heilmann's, Los Angeles, Calif. Laxative preparation. Serial No. 395,917; Nov. 2. Class 6.

Helburn, Willard, Inc., Salem, Mass. Leather. Serial No. 397,250; Nov. 2. Class 1.

Hercules Powder Company, Wilmington, Del. Active chemical ingredient. Serial No. 395,293; Nov. 2. Class 6.

Hewett & Eckel, doing business as Maytubby Springs Company, Durant, Okla., and Dallas, Tex. Ointments and salves. Serial No. 394,040; Nov. 2. Class 6.

Hildreth & Rogers Co., Lawrence, Mass. Daily newspaper. Serial No. 395,068; Nov. 2. Class 38.

Holman, Maurice, Inc., Los Angeles, Calif. Sweaters. Serial No. 394,784; Nov. 2. Class 39.

Hudson's Bay Company. (See Governor and Company of Adventurers of England Trading Into Hudson's Bay, The.)

Humitube Mfg. Co., Peoria, Ill. Diaphanous lengths of tubing formed of cellulose acetate material or the like. Serial No. 384,002; Nov. 2. Class 50.

Idaho Fruit & Produce Company, Parma and Apple Valley, Idaho. Fresh lettuce, fresh apples, etc. Serial No. 396,569; Nov. 2. Class 46.

Jaymar's Inc., Denver, Colo. Skin lotions. Serial No. 396,056; Nov. 2. Class 6.

Jefferson Electric Company, Bellwood, Ill. Auto transformers, radio transformers, ionizing transformers, etc. Serial No. 394,786; Nov. 2. Class 21.

Kane & Company, Fort Worth, Tex. Compounded mineral water. Serial No. 387,872; Nov. 2. Class 6.

Karbe, Johannes, Berlin, Germany. Cosmetics, perfumes, creams, etc. Serial No. 384,798; Nov. 2. Class 6.

Karp, Joseph H., New York, N. Y. Chewing gum used to relieve acidosis. Serial No. 397,080; Nov. 2. Class 6.

Kaufmann Bros. & Bondy, Inc., West New York, N. J. Pipes. Serial No. 396,463; Nov. 2. Class 8.

Kilgore Development Corporation, Washington, D. C. Suntan lotion. Serial No. 396,922; Nov. 2. Class 6.

King, Dean W., doing business as King Gun Sight Co., San Francisco, Calif. Asymmetrical pistol hammers. Serial No. 397,668; Nov. 2. Class 9.

Koehring Company, Milwaukee, Wis. Tractor-trucks. Serial No. 376,351; Nov. 2. Class 19.

Kremer, Sebastian J., Cleveland, Ohio. Paper printed tally boards and cards. Serial No. 396,496; Nov. 2. Class 37.

Kremer, Sebastian J., Cleveland, Ohio. Game of chance. Serial No. 396,497; Nov. 2. Class 22.

Kress, S. H., and Company, New York, N. Y. Tooth brushes. Serial No. 397,671; Nov. 2. Class 29.

Krischer Trading Corporation, Brooklyn, N. Y. Furniture casters, nails, tacks, etc. Serial No. 396,411; Nov. 2. Class 13.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Coffee. Serial No. 396,741; Nov. 2. Class 46.

Laboratories Lorbis. (See Parent, Romeo.)

LaChoy Food Products, Inc., Detroit, Mich. Flavoring sauce. Serial No. 389,073; Nov. 2. Class 46.

Lamcote, Incorporated, Chicago, Ill. Cartons, packages, boxes, etc. Serial No. 391,480; Nov. 2. Class 2.

Landers Corporation, The, Toledo, Ohio. Cotton fabric treated with chemicals, rubber, and latex. Serial No. 396,640; Nov. 2. Class 50.

Las Vegas Post No. 8, The American Legion, Department of Nevada, Las Vegas, Nev. Periodical. Serial No. 396,570; Nov. 2. Class 38.

Laxative Clinic, The. (See Ford Hopkins Company.)

Leghorn Trading Co. Inc., New York, N. Y. Edible oils. Serial No. 397,135; Nov. 2. Class 46.

Leonard Tissue Company, Cambridge, Mass. Toilet tissue and paper towels. Serial No. 396,317; Nov. 2. Class 37.

Leonard Tissue Company, Cambridge, Mass. Toilet tissue. Serial No. 396,318; Nov. 2. Class 37.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. C. Topcoats. Serial No. 372,878; Nov. 2. Class 39.

Lewy Chemical Co., The, New York, N. Y. Insecticides. Serial Nos. 380,112–14; Nov. 2. Class 6.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front constructions, etc. Serial No. 392,990; Nov. 2. Class 12.

Look, Inc., Des Moines, Iowa. Picture section of a newspaper. Serial No. 386,492; Nov. 2. Class 38.

Los Angeles Soap Company, Los Angeles, Calif. Hair and scalp conditioner, rouge, nail polish, etc. Serial Nos. 397,034–5; Nov. 2. Class 6.

Lynchburg Milling Company, Lynchburg, Va. Wheat flour. Serial No. 394,543; Nov. 2. Class 46.

Lyric Beauty Products. (See Dudgeon, Floyd R.)

Maison Jeurelle-Seventeen, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 387,088; Nov. 2. Class 6.

Maltine Company, The, New York, N. Y. Medicinal compounds. Serial No. 395,999; Nov. 2. Class 6.

Manhattan Lubricants Co., Inc., Brooklyn, N. Y. Non-slip composition for pulleys. Serial No. 395,872; Nov. 2. Class 5.

Marathon Paper Mills Company, doing business as Marathon Chemical Company, Rothschild, Wis. Tannery materials and extracts. Serial No. 395,645; Nov. 2. Class 6.

Marton Freres, Inc., New York, N. Y. Cosmetics. Serial No. 395,573; Nov. 2. Class 6.

Maytubby Springs Company. (See Hewett & Eckel.)

Mead Paperboard Corporation, Wilmington, Del., assignor to The Mead Corporation, Chillicothe, Ohio. Material in the nature of a chemical for utilization with clay in the manufacture of brick, etc. Serial No. 366,669; Nov. 2. Class 6.

Menasha Products Company, Menasha, Wis. Laminated wrapping paper. Serial No. 395,074; Nov. 2. Class 37.

Meridian Grain & Elevator Co. (See Wilson, John M.)

Midvale Company, The, Nicetown, Philadelphia, Pa. Tool steel. Serial No. 397,141; Nov. 2. Class 14.

Midvale Company, The, Nicetown, Philadelphia, Pa. Drill steel. Serial No. 397,220; Nov. 2. Class 14.

Midway Chemical Co., Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J. Insecticides and compounds having an odor repulsive to animals. Serial No. 388,952; Nov. 2. Class 6.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Quartz, quartzite, digester, etc. Serial No. 393,886; Nov. 2. Class 1.

Mirrorwax Co. (See Symmes, Charles A.)

Monarch Shoe Company, Chicago, Ill. Shoes. Serial No. 365,645; Nov. 2. Class 39.

Moorman Manufacturing Company, Quincy, Ill. Worm expellers for animals and fowl. Serial No. 393,869; Nov. 2. Class 6.

Mosey, M. P., Sea Gate, Brooklyn, N. Y. Compound to regulate the urine. Serial No. 394,676; Nov. 2. Class 6.

Musher and Company, Incorporated, New York, N. Y. Laxative medicinal oil. Serial No. 397,139; Nov. 2. Class 6.

Myerson, Ben, Inc., Los Angeles, Calif. Candy. Serial No. 397,223; Nov. 2. Class 46.

National Banana Ripening Company. (See O'Neil, William H.)

National Fur Institute. (See Clune, Andrew G.)

New Products Corporation, Indianapolis, Ind. Bleaching antiseptic and germicidal compound. Serial No. 396,609; Nov. 2. Class 6.

Noland, R. W., doing business as Noland Feed Company, Casper, Wyo. Livestock mineral concentrate. Serial No. 376,974; Nov. 2. Class 6.

Norwich Pharmacal Company, The, Norwich, N. Y. Organic mercurial antiseptic. Serial No. 396,421; Nov. 2. Class 6.

Nourishine Sales Co., Los Angeles, Calif. Dandruff removing tonic, gray hair tonic, etc. Serial No. 396,829; Nov. 2. Class 6.

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Local anesthetic material. Serial No. 395,951; Nov. 2. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Surface anesthetic. Serial No. 395,952; Nov. 2. Class 6.

O'Neil, William H., doing business as National Banana Ripening Company, San Francisco, Calif. Fruits, particularly canned bananas. Serial No. 381,686; Nov. 2. Class 46.

Osterreichische Serum-Gesellschaft m. b. H., Vienna, Austria. Snake toxine. Serial No. 395,179; Nov. 2. Class 6.

Pacific Distillers, Inc., Culver City, Calif. Gin. Serial No. 396,157; Nov. 2. Class 49.

Pacific Wine and Spirits Company, San Francisco, Calif. Whisky. Serial No. 397,677; Nov. 2. Class 49.

Palace Travel Coach Corporation, Flint, Mich. Trailers. Serial No. 394,906; Nov. 2. Class 19.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared aluminum powders and pastes, and a liquid vehicle adapted to be mixed therewith. Serial No. 395,954; Nov. 2. Class 16.

Parent, Romeo, doing business as Laboratories Lorbis, Montreal, Quebec, Canada. Nerve and digestive tonics. Serial No. 393,184; Nov. 2. Class 6.

Parfait Powder Puff Company, Inc., Chicago, Ill. Toy railroad tracks. Serial No. 396,929; Nov. 2. Class 22.

Pfeiffer Brewing Company, Detroit, Mich. Beer. Serial No. 378,333; Nov. 2. Class 48.

Platt, Tandy W., doing business as T. W. Platt, Chicago, Ill. Salad dressing, mayonnaise, sandwich spread, etc. Serial No. 396,471; Nov. 2. Class 46.

Pierce, Robert J., Inc., New York, N. Y. Anodyne tablets. Serial No. 396,576; Nov. 2. Class 6.

Pure Oil Company, The, Chicago, Ill. Rubber tires and tubes. Serial No. 396,835; Nov. 2. Class 35.

Rebel Manufacturing Co., Inc., Brooklyn, N. Y. Shade hangers. Serial No. 383,032; Nov. 2. Class 13.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 397,912; Nov. 2. Class 49.

Re-Vi-Vo Products. (See Baryl, Walter G.)

Rid Company. (See Rosen, Paul.)

Roma Wine Company, Inc., Lodi, Calif. Wines. Serial No. 394,555; Nov. 2. Class 47.

Rosen, Paul, doing business as Rid Company, New York, N. Y. Mouth deodorant. Serial No. 396,478; Nov. 2. Class 6.

Sandy Valley Grocery Company, Inc., Ashland, Ky. Cocoa, macaroni, spaghetti, etc. Serial No. 395,100; Nov. 2. Class 46.

Schall Candy Co., Clinton, Iowa. Candy. Serial No. 381,583; Nov. 2. Class 46.

Schenley Products Company, New York, N. Y. Distiller's dried grains. Serial Nos. 396,045–6; Nov. 2. Class 46.

Schmidt, Louis J., doing business as The Combination Door Co., Fon du Lac, Wis. Sash and screen lock bearing plates. Serial No. 383,273; Nov. 2. Class 25.

Schutter Candy Company, Chicago, Ill. Candy. Serial No. 397,199; Nov. 2. Class 46.

Schwalge, William, Chicago, Ill. Lubricating oil filters. Serial No. 397,302; Nov. 2. Class 31.

Scranton Tobacco Company, Inc., doing business as Stoco Blade Company, Scranton, Pa. Razor blades. Serial No. 396,837; Nov. 2. Class 23.

Scranton Tobacco Company, Inc., doing business as Stoco Blade Company, Scranton, Pa. Razor blades. Serial No. 396,839; Nov. 2. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Toilet soap. Serial No. 396,474; Nov. 2. Class 4.

Service Fruit Flavor Manufacturing Company, Inc., Paterson, N. J. Sundae toppings. Serial No. 385,818; Nov. 2. Class 46.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Pancreatic extract. Serial No. 395,723; Nov. 2. Class 6.

Sheffield Condensed Milk Co., Inc., New York, N. Y. Skim milk powder. Serial No. 396,169; Nov. 2. Class 46.

Sleetex Co. Inc., The, New York, N. Y. Vehicle windshield wiper blades. Serial No. 396,790; Nov. 2. Class 19.

Sound Masters, Inc., New York, N. Y. Motion picture films, sound films, etc. Serial No. 394,883; Nov. 2. Class 26.

Southport Petroleum Company, Kilgore, Tex. Gasoline. Serial No. 381,854; Nov. 2. Class 15.

Standard Oil Company of New Jersey, Wilmington, Del. Leather oil. Serial No. 397,058; Nov. 2. Class 4.

Standard Oil Development Company, Linden, N. J. Dye for oils. Serial No. 395,843; Nov. 2. Class 6.

Stetter, Fritz C., New York, N. Y. Finger rings. Serial No. 396,902; Nov. 2. Class 28.

Stoco Blade Company. (See Scranton Tobacco Company, Inc.)

Style-Brow, Inc., Central Valley, N. Y. Cream for the relief of pain in eyebrow tweezing. Serial No. 385,071; Nov. 2. Class 6.

Sunny Hill Wineries, Inc., Chicago, Ill. Wines. Serial No. 396,373; Nov. 2. Class 47.

Symmes, Charles A., doing business as Mirrorwax Co., Danvers, Mass. Automobile and furniture polish. Serial No. 395,376; Nov. 2. Class 16.

Tennessee Eastman Corporation, Kingsport, Tenn. Wood preservative and vermicide. Serial No. 390,333; Nov. 2. Class 6.

Tennessee Eastman Corporation, Kingsport, Tenn. Synthetic staple fiber. Serial No. 397,008; Nov. 2. Class 1.

Thomas Publishing Company, New York, N. Y. Periodical. Serial No. 394,645; Nov. 2. Class 38.

Tropical Beverage Sales Co. (See Halliburton, G. N.)

Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles for axes, hatchets, etc. Serial No. 396,374; Nov. 2. Class 23.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 397,393; Nov. 2. Class 22.

Universal Water Softener Co., Maywood, Ill. Filters and water softeners. Serial No. 397,092; Nov. 2. Class 31.

Upjohn Company, The, Kalamazoo, Mich. Hypnotic preparation. Serial No. 392,566; Nov. 2. Class 6.

Valzan Manufacturing Company. (See Zander, Lellus C.)

Van Dam, C. F., Los Angeles, Calif. Bile tablets. Serial No. 396,286; Nov. 2. Class 6.

Varnish Products Company, Cleveland, Ohio. Chemical supplies for photoengraving. Serial No. 395,210; Nov. 2. Class 6.

Verza Tanning Co., Peabody, Mass. Partly prepared and finished leathers. Serial No. 397,093; Nov. 2. Class 1.

Verza Tanning Co., Peabody, Mass. Partly prepared and finished leathers. Serial No. 397,394; Nov. 2. Class 1.

Viver Chemical Company, Carthage, N. Y. Nerve tonic. Serial No. 395,437; Nov. 2. Class 6.

Walgreen Co., doing business as Carrel, Chicago, Chicago, Ill. Deodorant. Serial No. 395,889; Nov. 2. Class 6.

Wall, Charles G., Philadelphia, Pa. Combination hot and cold water control valve for plumbing fixtures. Serial No. 396,848; Nov. 2. Class 13.

Wallace, Abbé, Cosmetics, Inc., Atlanta, Ga. Perfume, vanishing cream, etc. Serial No. 395,603; Nov. 2. Class 6.

Wangeman, Robert A., doing business as Hamilton Chemical Co., Sheboygan, Wis. Antiseptic counter irritant. Serial No. 384,826; Nov. 2. Class 6.

Western Auto Supply Company, The, doing business as Western Auto Stores, Kansas City, Mo. Paint enamel. Serial No. 397,596; Nov. 2. Class 16.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric transformers. Serial No. 396,429; Nov. 2. Class 21.

Wheelan, Robert B., doing business as Wheelan Studios, New York, N. Y. Photographs. Serial No. 395,634; Nov. 2. Class 38.

Whittier Lumber & Millwork Co., Newark, N. J. Self adjusting weatherstripped window units. Serial No. 397,464; Nov. 2. Class 12.

Wiener & Katz, New York, N. Y. Boys' suits and overcoats. Serial No. 396,857; Nov. 2. Class 39.

Wilson, John M., doing business as Meridian Grain & Elevator Co., Meridian, Miss. Corn meal, pearl grits, hog feed, etc. Serial No. 393,744; Nov. 2. Class 46.

Wincharger Corporation, Sioux City, Iowa. Electric storage batteries. Serial No. 396,942; Nov. 2. Class 21.

Woburn Degreasing Company of New Jersey, Kearny, N. J. Drying oils for printing inks. Serial No. 396,525; Nov. 2. Class 11.

York Drug Co., Inc., New York, N. Y. Medicated cigarettes. Serial No. 397,100; Nov. 2. Class 6.

Zander, Lellus C., doing business as Valzan Manufacturing Company, Van Nuys, Calif. Salesmen's portfolios. Serial No. 394,155; Nov. 2. Class 2.

Zonite Products Corporation, New York, N. Y. Insecticide and moth-proofing composition. Serial No. 396,654; Nov. 2. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Adler, Morris, New York, N. Y. Preparations for the relief of epilepsy and nervousness. 351,613; Nov. 2; Serial No. 394,012; published Aug. 24, 1937. Class 6.

Ahlberg Bearing Company, Chicago, Ill. Pillow blocks. 351,604; Nov. 2; Serial No. 393,932; published Aug. 17, 1937. Class 23.

Akin, Harry, Austin, Tex. Mayonnaise dressing, 1000 Island dressing, tamales, etc. 351,590; Nov. 2; Serial No. 393,791; published Aug. 24, 1937. Class 46.

Aktieb. Skellefteå Spisbrödsfabrik, Skellefteå, Sweden. Bread. 351,483; Nov. 2; Serial No. 387,484; published Aug. 3, 1937. Class 46.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Heating and cooking stoves, ranges, and heating furnaces. 351,534; Nov. 2; Serial No. 392,406; published Aug. 24, 1937. Class 34.

Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Power transmission machinery. 351,546; Nov. 2; Serial No. 392,831; published Aug. 24, 1937. Class 23.

American Concrete Expansion Joint Co., Chicago, Ill. Mud jack sleeves, concrete reinforcing members and dowels, etc. 351,526; Nov. 2; Serial No. 392,066; published July 6, 1937. Class 12.

American District Steam Company, North Tonawanda, N. Y. Steam flow meters and condensation meters. 351,686; Nov. 2; Serial No. 394,691; published Aug. 24, 1937. Class 26.

American Fork & Hoe Company, The, Cleveland, Ohio. Handles for hand implements. 351,723; Nov. 2. Class 23.

American Hair Design Institute, Inc., The, New York, N. Y. Pads used in permanent waving. 351,538; Nov. 2; Serial No. 392,577; published Aug. 24, 1937. Class 44.

American Magnesium Corporation, Cleveland, Ohio. Magnesium and magnesium alloys. 351,707; Nov. 2; Serial No. 395,059; published Aug. 24, 1937. Class 14.

American Silk Spinning Co., Providence, R. I. Yarn. 351,621; Nov. 2; Serial No. 394,116; published Aug. 17, 1937. Class 43.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Barb-wire, woven-wire fencing, etc. 120,701; renewed Mar. 5, 1938.

Anderson Company, The, Gary, Ind. Windshield wipers and parts thereof. 351,452; Nov. 2; Serial No. 379,411; published Aug. 24, 1937. Class 19.

Associated Merchandising Corporation, New York, N. Y. Face powders, dusting powder, perfume, etc. 351,728; Nov. 2. Class 6.

Auto Moulding & Mfg. Co., Chicago, Ill. Metal hinges, metal mouldings, etc. 351,486; Nov. 2; Serial No. 388,222; published Aug. 24, 1937. Class 13.

Avlon, Theodore P., Springfield, Mass. Beverage. 351,560; Nov. 2; Serial No. 393,250; published Aug. 24, 1937. Class 45.

Awful Fresh MacFarlane, Oakland, Calif. Nuts. 351,691; Nov. 2; Serial No. 394,818; published Aug. 24, 1937. Class 46.

Bach, Lesem, & Co. Incorporated, New York, N. Y. Canvas cloth in the piece. 351,696; Nov. 2; Serial No. 394,843; published Aug. 24, 1937. Class 42.

Baltimore Pure Rye Distilling Company, The, Dundalk, Md. Whiskey. 351,701; Nov. 2; Serial No. 394,970; published Aug. 24, 1937. Class 49.

Band Box Corporation, The, St. Louis, Mo. Filters for dry-cleaning solvent. 351,726; Nov. 2. Class 31.

Barber, W. H., Company, Chicago, Ill. Anti-freeze solution. 351,677; Nov. 2; Serial No. 394,522; published Aug. 24, 1937. Class 6.

Barford Chevrolet Company, St. Louis, Mo. Reconditioned automobiles. 351,485; Nov. 2; Serial No. 388,177; published Aug. 24, 1937. Class 19.

Beckwith Packing Corporation, Turlock, Calif. Canned figs. 351,692; Nov. 2; Serial No. 394,821; published Aug. 24, 1937. Class 46.

Ben-Burk, Inc., Boston, Mass. Alcoholic liquors. 351,462; Nov. 2; Serial No. 383,051; published Oct. 13, 1936. Class 49.

Bialek, Frank, doing business as Gosen Products Co., Milwaukee, Wis. Salve. 351,474; Nov. 2; Serial No. 386,146; published Aug. 10, 1937. Class 6.

Biltmore Manufacturing Co., The, Cincinnati, Ohio. Blended cotton and wool filling for comforts. 351,622; Nov. 2; Serial No. 394,120; published Aug. 24, 1937. Class 1.

Bjorklund, Mildred E., doing business as The Porit Company, St. Paul, Minn. Food preparations. 351,480; Nov. 2; Serial No. 386,673; published Aug. 24, 1937. Class 46.

Blanchard, Alva G., doing business as The Inferno Company, Shreveport, La. Liquid level controllers, automatic cut-off valves, etc. 351,554; Nov. 2; Serial No. 393,020; published Aug. 24, 1937. Class 13.

Bloomingdale Bros., Inc., New York, N. Y. Whiskey. 351,527; Nov. 2; Serial No. 392,078; published Aug. 24, 1937. Class 49.

Blue Ribbon Skoot-Mo-Bile, Chicago, Ill. Motor-driven bicycles. 351,466; Nov. 2; Serial No. 384,444; published Jan. 26, 1937. Class 19.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 351,678; Nov. 2; Serial No. 394,528; published Aug. 24, 1937. Class 42.

Boehringer, C. H., Sohn Aktiengesellschaft, Nieder-Ingelheim-on-the-Rhine, Germany. Respiratory stimulant. 351,548; Nov. 2; Serial No. 392,910; published Aug. 24, 1937. Class 6.

Bofinger & Klingler, Inc., San Francisco, Calif. Sweaters and sport jackets. 351,571; Nov. 2; Serial No. 393,573; published Aug. 17, 1937. Class 39.

Bond, Austin, New York, N. Y. Steel bale bands. 351,564; Nov. 2; Serial No. 393,365; published Aug. 24, 1937. Class 13.

Boudurn Chemical Laboratories, Inc., New York, N. Y. Anatomical preservative material. 351,540; Nov. 2; Serial No. 392,628; published Aug. 10, 1937. Class 6.

Bon Marche, The. (See Allied Stores Corporation.)

Bon Ton, Incorporated, Chicago, Ill. Whiskey. 351,600; Nov. 2; Serial No. 391,303; published Aug. 3, 1937. Class 49.

Brewer-Titchener Corporation, The, Cortland, N. Y. Folding card tables, folding banquet tables, folding chairs, etc. 351,488; Nov. 2; Serial No. 388,762; published Aug. 24, 1937. Class 32.

Brown Steel Tank Co., Minneapolis, Minn. Metal tanks. 351,702; Nov. 2; Serial No. 394,974; published Aug. 24, 1937. Class 2.

Bryant Electric Company, The, Bridgeport, Conn. Electrical apparatus, machines, and supplies. 120,944; renewed Mar. 19, 1938.

Builders Iron Foundry, Providence, R. I. Mechanical flow meters. 351,655; Nov. 2; Serial No. 394,370; published Aug. 24, 1937. Class 26.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connecters. 351,715; Nov. 2. Class 21.

Capitol Wine & Spirit Corp., New York, N. Y. Rum. 351,693; Nov. 2; Serial No. 394,824; published Aug. 24, 1937. Class 49.

Carou Corporation. (See Daltroff, E., & Cie., assignor.)

Carraway-Byrd Corporation, Dallas, Tex. Air conditioning machines. 351,542; Nov. 2; Serial No. 392,787; published Aug. 24, 1937. Class 34.

Carson, Pirie, Scott & Co., assignor to Carson Pirie Scott & Company, Chicago, Ill. Sheets, pillow cases, and tubing. 119,170; renewed Oct. 30, 1937.

Carson Pirie Scott & Company, Chicago, Ill. Table chinaware. 351,517; Nov. 2; Serial No. 391,111; published Aug. 24, 1937. Class 30.

Chatillon, John, & Sons, New York, N. Y. Knives. 119,506–7; renewed Nov. 27, 1937.

Chatillon, John, & Sons, New York, N. Y. Cutlery, machinery and tools and parts thereof. 119,505; renewed Nov. 27, 1937.

Cheney Brothers, New York, N. Y. Textile fabrics. 351,521; Nov. 2; Serial No. 391,623; published Aug. 24, 1937. Class 42.

Chicago Pharmacal Co., Chicago, Ill. Tablet used in the treatment of acne. 351,647; Nov. 2; Serial No. 394,316; published Aug. 24, 1937. Class 6.

Chicago Pharmacal Co., Chicago, Ill. Tablets used in the treatment of arterio-sclerosis and high blood pressure. 351,648; Nov. 2; Serial No. 394,317; published Aug. 24, 1937. Class 6.

Chippewa Springs Corporation, Minneapolis, Minn. Non-alcoholic beverages. 119,429; renewed Nov. 20, 1937.

Christopherson-Renstrom Company, Omaha, Nebr. Semi-anthracite coal. 351,478; Nov. 2; Serial No. 386,622; published Aug. 24, 1937. Class I.

Citrus Club Products, Incorporated, Phoenix, Ariz. Grapefruit drink and bases and syrups and extracts for making same. 351,623; Nov. 2; Serial No. 394,123; published Aug. 24, 1937. Class 45.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts and underwear. 351,572; Nov. 2; Serial No. 393,581; published Aug. 17, 1937. Class 39.

Coe Laboratories, Inc., Chicago, Ill. Dentures and other types of dental prostheses. 351,451; Nov. 2; Serial No. 378,826; published Aug. 24, 1937. Class 44.

Coffee Products of America Inc., Ltd. (See Newmark, Samuel M., assignor.)

Colloidal Sulphur Co., The, Chicago, Ill. Colloidal sulphur preparation. 351,649; Nov. 2; Serial No. 394,318; published Aug. 24, 1937. Class 6.

Consolidated Trimming Corporation, New York, N. Y. Upholstery and drapery trimmings. 351,582–3; Nov. 2; Serial Nos. 393,699–700; published Aug. 24, 1937. Class 42.

Coughlan, G. N., Co., Inc., Orange, N. J. String bean preparing instruments. 351,475; Nov. 2; Serial No. 386,484; published Aug. 24, 1937. Class 23.

Crane, Hubert R., doing business as Flexible Sewer-Rod Equipment Co., Los Angeles, Calif. Sewer cleaning equipment, tools, and parts thereof. 351,734; Nov. 2. Class 23.

Crawford Creamery Co. (See Van Korngut, Joseph G.)

Crown Curtain Mills, Inc., Philadelphia, Pa. Fabric curtains, drapes, hangings, and portieres. 351,567; Nov. 2; Serial No. 393,416; published Aug. 24, 1937. Class 42.

Crult and Schneider, Salina, Kans. Prepared preparation for use in compounding so-called stuffings for chickens, etc. 351,481; Nov. 2; Serial No. 387,240; published Aug. 24, 1937. Class 46.

Curlee Clothing Company, St. Louis, Mo. Men's and boys' suits. 351,587; Nov. 2; Serial No. 393,754; published Aug. 17, 1937. Class 39.

Cypres Watch Company, New York, N. Y. Watches. 351,496; Nov. 2; Serial No. 389,776; published Aug. 24, 1937. Class 27.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, New York, N. Y. Perfumes, toilet waters, face and toilet powders, etc. 351,665; Nov. 2; Serial No. 394,451; published Aug. 24, 1937. Class 6.

Day, Ellis V., doing business as Saoso Chemical Co., Dallas, Tex. Water softener and soap saver. 351,639; Nov. 2; Serial No. 394,272; published Aug. 24, 1937. Class 6.

D'Berger, E. V., doing business as Mount Shasta Pharmacy, Mount Shasta, Calif. Stomach medicine. 351,640; Nov. 2; Serial No. 394,273; published Aug. 24, 1937. Class 6.

Der-Mo-Tine, Inc., Fort Wayne, Ind. Hair tonic, cold cream, massage cream, etc. 351,529; Nov. 2; Serial No. 392,201; published Aug. 17, 1937. Class 6.

Detroit Biscuit Company, Detroit, Mich. Assorted cakes and cookies, assorted crackers, etc. 351,532; Nov. 2; Serial No. 392,262; published Aug. 24, 1937. Class 46.

Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Plate finish tag, bristol, and cover papers. 351,455; Nov. 2; Serial No. 380,623; published Aug. 24, 1937. Class 37.

Dewey Portland Cement Company, Kansas City, Mo. Portland cement. 351,473; Nov. 2; Serial No. 386,014; published Aug. 10, 1937. Class 12.

Diamond Spear Co., The. (See Spear, Clifton T.)

Dickinson, John, & Co., Limited, London, England. Writing paper, envelopes, compendiums, etc. 351,594; Nov. 2; Serial No. 393,840; published Aug. 3, 1937. Class 37.

Donnelly Garment Company, Kansas City, Mo. Dresses and frocks. 351,641; Nov. 2; Serial No. 394,276; published Aug. 17, 1937. Class 39.

Donohue, Grace, Inc., New York, N. Y. Facial and skin creams. 351,632; Nov. 2; Serial No. 394,225; published Aug. 24, 1937. Class 6.

Drake, Harrington E., doing business as Mason & Company, Newark, N. J. Dice. 351,656; Nov. 2; Serial No. 394,371; published Aug. 24, 1937. Class 22.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Textile fungicides. 351,502; Nov. 2; Serial No. 390,416; published July 20, 1937. Class 6.

Dye-Col Products, Inc., New York, N. Y. Insecticides. 351,605; Nov. 2; Serial No. 393,948; published Aug. 17, 1937. Class 6.

E-Z Health Laboratories, also doing business as The Tibbins Pharmacy, Beech Creek, Pa. General tonic. 351,569; Nov. 2; Serial No. 393,467; published Aug. 17, 1937. Class 6.

Eastyarn, Inc., Brooklyn, N. Y. Woolen yarns. 351,447; Nov. 2; Serial No. 377,386; published Aug. 17, 1937. Class 43.

Elseman, Kaiser & Co., assignor to Elseman, Kaye Company, Chicago, Ill. Containers for toilet articles. 118,869; renewed Oct. 9, 1937.

Elcar Coach Company, The, Elkhart, Ind. Trailers. 351,493; Nov. 2; Serial No. 389,350; published Aug. 24, 1937. Class 19.

Emener, Jack, doing business as Ottawa Indian Medicine Company, Detroit, Mich. Medicinal and pharmaceutical preparations. 351,457; Nov. 2; Serial No. 381,195; published Aug. 10, 1937. Class 6.

Emory, E. L., doing business as Emory Manufacturing Company, Oriental, N. C. Astringent for the feet. 351,626; Nov. 2; Serial No. 394,160; published Aug. 24, 1937. Class 6.

Empire Twine and Yarn Company, Inc., New York, N. Y. Twine and cordage. 351,520; Nov. 2; Serial No. 391,469; published Aug. 24, 1937. Class 7.

Englander Spring Bed Co, Inc., The, Brooklyn, N. Y. Inner spring units. 351,660; Nov. 2; Serial No. 394,406; published Aug. 24, 1937. Class 32.

Eustace Co., The. (See Logotheton, Cleanthe E.)

Famous Products Co. (See Neumann, Morton G.)

Federal Yeast Corporation, Baltimore, Md. Baking powder. 351,573–4; Nov. 2; Serial Nos. 393,587–8; published Aug. 24, 1937. Class 46.

Fidelio Brewery, Inc., New York, N. Y. Beer, ale, and porter. 351,561; Nov. 2; Serial No. 394,409; published Aug. 24, 1937. Class 48.

Fisher Flouring Mills Company, Harbor Island, Seattle, Wash. Wheat flour. 351,703–5; Nov. 2; Serial Nos. 395,027–9; published Aug. 24, 1937. Class 46.

Flagg, Stanley G., & Co., Inc., Philadelphia, Pa. Metal pipe fittings. 351,498–9; Nov. 2; Serial Nos. 389,909–10; published Aug. 24, 1937. Class 13.

Fleisher Yarns, Inc., New York, N. Y. Yarns. 351,662–3; Nov. 2; Serial Nos. 394,411–2; published Aug. 17, 1937. Class 43.

Flexible Sewer-Rod Equipment Co. (See Crane, Hubert R.)

Florists Marketing Organization, The. (See Knoble, Herman P.)

Ford-Aire Inc., Detroit, Mich. Heating and ventilating units. 351,522; Nov. 2; Serial No. 391,788; published Aug. 24, 1937. Class 34.

Foster Grant Co, Inc., Leominster, Mass. Plastic material. 351,670; Nov. 2; Serial No. 394,482; published Aug. 24, 1937. Class 1.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 351,445; Nov. 2; Serial No. 374,787; published Apr. 21, 1936. Class 49.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 351,463; Nov. 2; Serial No. 383,523; published Nov. 3, 1936. Class 49.

Friedlander Bros., Inc., New York, N. Y. Pajamas and negligees. 351,679; Nov. 2; Serial No. 394,532; published Aug. 24, 1937. Class 39.

Fries, Harold H., doing business as Fries Bros., New York, N. Y. Chemicals used in the preparation of photographic developers. 351,599; Nov. 2; Serial No. 393,904; published Aug. 17, 1937. Class 6.

Gardner Wire Co., Chicago, Ill. Weatherstrips and strips for sealing windows, doors, etc. 351,618; Nov. 2; Serial No. 394,080; published Aug. 17, 1937. Class 12.

General Dyestuff Corporation, New York, N. Y. Solvents. 351,464; Nov. 2; Serial No. 383,839; published July 20, 1937. Class 6.

Glunts, James D., Boston, Mass. Medicinal preparation. 351,619; Nov. 2; Serial No. 394,082; published Aug. 24, 1937. Class 6.

Godfried Underwear Co. Inc., New York, N. Y. Women's and children's underwear. 351,614; Nov. 2; Serial No. 394,033; published Aug. 17, 1937. Class 39.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Tires and inner tubes therefor. 351,642; Nov. 2; Serial No. 394,280; published Aug. 24, 1937. Class 35.

Gosen Products Co. (See Bialek, Frank.)

Graenie Harrison Products, Inc., New York, N. Y., assignor, by mesne assignments, to Van Cleef Bros., Chicago, Ill. Rubber and similar cements and adhesive tapes. 351,450; Nov. 2; Serial No. 378,562; published July 27, 1937. Class 5.

Grant, W. T., Company, New York, N. Y. Women's slips. 351,737; Nov. 2. Class 39.

Grayslake Gelatin Company, Grayslake, Ill. Gelatin sold for medicinal use. 351,469; Nov. 2; Serial No. 385,039; published Aug. 24, 1937. Class 6.

Greenberg, Joseph, & Co., New York, N. Y. Riding coats. 351,568; Nov. 2; Serial No. 393,422; published Aug. 24, 1937. Class 39.

Griffin Mfg. Co., New York, to Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Liquid cleaning preparation for all colored leather. 120,974; renewed Mar. 19, 1938.

Groya, Fred, doing business as Groya Tobacco Co., Chicago, Ill. Snuff. 351,547; Nov. 2; Serial No. 392,862; published Aug. 24, 1937. Class 17.

Gulf Laboratories Company, Inc., Lafayette, La. Headache powders. 351,533; Nov. 2; Serial No. 392,273; published June 29, 1937. Class 6.

Haco Company, St. Louis, Mo. Concrete and steel building blocks, etc. 351,575; Nov. 2; Serial No. 393,595; published Aug. 24, 1937. Class 12.

Halbert, Curtis G., Portland, Oreg. Watch crystals. 351,570; Nov. 2; Serial No. 393,488; published Aug. 24, 1937. Class 33.

Hamilton, Grace E., doing business as Slendex Laboratories, Chicago, Ill. Externally applied slenderizing preparation. 351,444; Nov. 2; Serial No. 374,662; published Dec. 15, 1936. Class 6.

Hardman, Peck & Company, New York, N. Y. Pianos. 351,687; Nov. 2; Serial No. 394,707; published Aug. 24, 1937. Class 36.

Harvey, Fred, Chicago, Ill. Razor blades. 351,685; Nov. 2; Serial No. 394,664; published Aug. 24, 1937. Class 23.

Harvey, Harold L., Baltimore, Md. Photographic developer. 351,579; Nov. 2; Serial No. 393,644; published Aug. 17, 1937. Class 6.

Harwick, Curtis J., doing business as Standard Chemical Company, Akron, Ohio. Adhesion-preventing material for rubber-vulcanizing molds. 351,555; Nov. 2; Serial No. 393,034; published Aug. 10, 1937. Class 6.

Hercules Powder Company, Wilmington, Del. Chemical finishing agent for textiles. 351,557; Nov. 2; Serial No. 393,076; published Aug. 24, 1937. Class 6.

Heublein, G. F., & Bro., Hartford, Conn. Gin. 351,607; Nov. 2; Serial No. 393,984; published Aug. 24, 1937. Class 49.

Hoff, John J., New York, N. Y. Ready mixed paints. 351,504; Nov. 2; Serial No. 390,452; published Aug. 24, 1937. Class 16.

Hovey, H. A., & Co., Boston, Mass. Butter, cheese, and eggs. 351,730; Nov. 2. Class 46.

Hunter, Roy A., Vancouver, British Columbia, Canada. All wheat flour, bread, and crackers. 351,501; Nov. 2; Serial No. 390,212; published Aug. 24, 1937. Class 46.

Hutson, Harry G., Atlanta, Ga. Insecticide. 351,492; Nov. 2; Serial No. 389,252; published Aug. 10, 1937. Class 6.

Industrial Lubricants Company, Detroit, Mich. Polishing-wheel cement. 351,699; Nov. 2; Serial No. 394,901; published Aug. 24, 1937. Class 5.

Inferno Company, The. (See Blanchard, Alva G.)

Inland Laboratories, Incorporated, Indianapolis, Ind. Effervescent alkalizer. 351,561; Nov. 2; Serial No. 393,281; published Aug. 10, 1937. Class 6.

Isaacs, I. C., & Company, Inc., Baltimore, Md. Ski, skating, and sport jackets, etc. 351,576; Nov. 2; Serial No. 393,597; published Aug. 17, 1937. Class 39.

Island Road Bottling Co., Philadelphia, Pa. Beverages. 351,725; Nov. 2. Class 45.

Kayser, Julius, & Co., New York, N. Y. Hosiery. 351,549; Nov. 2; Serial No. 392,926; published Aug. 17, 1937. Class 39.

Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Plastic chrome refractory material. 351,543; Nov. 2; Serial No. 392,828; published Aug. 17, 1937. Class 12.

Kelp Co, Inc., The, Zeeland, Mich. Dehydrated kelp. 351,471; Nov. 2; Serial No. 385,844; published Aug. 24, 1937. Class 6.

Kenite Laboratory, Inc., New York, N. Y. Boiler cleaner and steam conditioner. 351,695; Nov. 2; Serial No. 394,841; published Aug. 24, 1937. Class 6.

King, George W., St. Louis, Mo. Prepared fried chicken and accompanying toasted bread. 351,513; Nov. 2; Serial No. 390,922; published Aug. 24, 1937. Class 46.

Kirkman Engineering Corporation, New York, N. Y. Cartridge and plug fuses for electrical purposes. 118,671; renewed Sept. 25, 1937.

Kitchen Art Foods Inc., Chicago, Ill. Powdered or granular flavoring and coloring preparations. 351,438; Nov. 2; Serial No. 363,223; published Aug. 24, 1937. Class 46.

Kleinfeld, Leonard F., doing business as National Photo Supply Co., New York, N. Y. Photographic cameras. 351,731; Nov. 2. Class 26.

Knoble, Herman P., doing business as The Florists Marketing Organization, Cleveland, Ohio. Combined merchandising tags and labels. 351,588; Nov. 2; Serial No. 393,771; published Aug. 24, 1937. Class 37.

Kohler & Campbell, Inc., New York, N. Y. Pianos. 351,624; Nov. 2; Serial No. 394,135; published Aug. 24, 1937. Class 36.

Koller Brewing Company, Inc., Chicago, Ill. Beer. 351,598; Nov. 2; Serial No. 393,884; published Aug. 24, 1937. Class 48.

Krank, A. J., Company, St. Paul, Minn. Sun tan lotion. 351,541; Nov. 2; Serial No. 392,759; published Aug. 17, 1937. Class 6.

Kreisler, Jacques, Sales Corporation, New York, N. Y. Compacts and combination vanity cases, filled with powder. 351,727; Nov. 2. Class 6.

Kress, S. H., and Company, New York, N. Y. Nails, tacks, metal shoe taps, etc. 351,514; Nov. 2; Serial No. 390,924; published Aug. 24, 1937. Class 13.

Kress, S. H., and Company, New York, N. Y. Tooth powders, mouth washes, dentifrices, etc. 351,519; Nov. 2; Serial No. 391,380; published Aug. 10, 1937. Class 6.

Kress, S. H., and Company, New York, N. Y. Facial tissues. 351,722; Nov. 2. Class 37.

Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. 351,712–3; Nov. 2; Serial Nos. 395,300–1; published Aug. 24, 1937. Class 49.

Lane, Gillette, doing business as Unipathic Co., San Francisco, Calif. Diuretic, alterative, stomachic tonic, etc. 351,530; Nov. 2; Serial No. 392,217; published Aug. 17, 1937. Class 6.

Largman, Gray Company, Croydon, Pa. Hosiery. 351,671; Nov. 2; Serial No. 394,493; published Aug. 24, 1937. Class 39.

Lava Crucible Company of Pittsburgh, Pittsburgh, Pa. Refractory bricks, blocks, shapes, etc. 351,584; Nov. 2; Serial No. 393,716; published Aug. 24, 1937. Class 12.

Laymon, Herman H., doing business as The World's Products Company, Spencer, Ind. Hair oil and brilliantine. 351,672; Nov. 2; Serial No. 394,494; published Aug. 17, 1937. Class 6.

Leadway Stores Corporation, Chicago, Ill. Coffee. 351,708; Nov. 2; Serial No. 395,136; published Aug. 24, 1937. Class 46.

Lee, H. D., Mercantile Co., The, Kansas City, Mo. Cowboy or waist band overalls. 351,518; Nov. 2; Serial No. 391,230; published Aug. 17, 1937. Class 39.

Lehn & Fink Products Corporation, Bloomfield, N. J. Vaginal suppositories and antiseptic and disinfectant preparations. 351,550; Nov. 2; Serial No. 392,933; published Aug. 10, 1937. Class 6.

Lennox Furnace Company, The, Marshalltown, Iowa. Blowers, blower cabinets, filters, etc. 351,482; Nov. 2; Serial No. 387,471; published Mar. 30, 1937. Class [illegible]

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 351,680; Nov. 2; Serial No. 394,54[illegible] published Aug. 17, 1937. Class 6.

Lenzner, Sol, Corporation, Buffalo, N. Y. Fish. 351,477; Nov. 2; Serial No. 386,618; published Aug. 24, 1937. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 351,681; Nov. 2; Serial No. 394,617; published Aug. 24, 1937. Class 6.

Linette Co., The. (See Lubow, Hyman.)

Lingner-Werke Vertriebs-G. m. b. H., Dresden, Germany. Medicinal preparations. 351,620; Nov. 2; Serial No. 394,090; published Aug. 17, 1937. Class 6.

Liquid Carbonic Corporation, The, Chicago, Ill. Solidified carbon dioxide. 351,589; Nov. 2; Serial No. 393,772; published Aug. 17, 1937. Class 6.

Loeb, Alvin S., Corp., The, New York, N. Y. Whiskey. 351,608; Nov. 2; Serial No. 393,994; published Aug. 24, 1937. Class 49.

Logotheton, Cleanthe E., doing business as The Eustace Co., New York, N. Y. Face and hand lotion, tissue toning cream, etc. 351,551; Nov. 2; Serial No. 392,987; published Aug. 24, 1937. Class 6.

Longines-Wittnauer Co. Inc., The, New York, N. Y. Watches and clocks. 351,709; Nov. 2; Serial No. 395,137; published Aug. 24, 1937. Class 27.

Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Linen fabrics in the piece. 351,673; Nov. 2; Serial No. 394,496; published Aug. 24, 1937. Class 42.

M and M Wood Working Company, Portland, Oreg. Plywood. 351,719; Nov. 2. Class 12.

Macy, R. H., & Co., Inc., New York, N. Y. Sleeping garments. 351,585; Nov. 2; Serial No. 393,720; published Aug. 17, 1937. Class 39.

Marine Optical Mfg. Co., Boston, Mass. Spectacles, goggles, etc. 351,674; Nov. 2; Serial No. 394,497; published Aug. 24, 1937. Class 26.

Marsh Lumber Company, The, doing business as Marsh Wall Tile Company, Dover, Ohio. Composition wall covering in sheet form. 351,448; Nov. 2; Serial No 377,437; published July 6, 1937. Class 12.

Marvlo Mills, Inc., New York, N. Y. Piece goods. 351,682; Nov. 2; Serial No. 394,623; published Aug. 24, 1937. Class 42.

Mason & Company. (See Drake, Harrington E.)

Mason & Hughes, Clarksville, Tenn. Pants, overalls, shirts, etc. 351,562; Nov. 2; Serial No. 393,339; published Aug. 24, 1937. Class 39.

Masters Builders Company, The, Cleveland, Ohio. Material to be used as an ingredient for cement, masonry mortar, etc. 351,595; Nov. 2; Serial No. 393,862; published Aug. 17, 1937. Class 12.

Maxwell, Elizabeth, Candies, Los Angeles, Calif. Candy. 351,601; Nov. 2; Serial No. 393,914; published Aug. 24, 1937. Class 46.

McCloud, Don B., Du Quoin, Ill. Explosives. 351,711; Nov. 2; Serial No. 395,197; published Aug. 24, 1937. Class 9.

McLaurin-Jones Co., Brookfield, Mass. Transfer paper. 351,650; Nov. 2; Serial No. 394,337; published Aug. 24, 1937. Class 37.

Merrell, Wm. S., Company, The, Reading, Ohio. Fluid disinfectant, germicide, and antiseptic. 351,602; Nov. 2; Serial No. 393,915; published Aug. 24, 1937. Class 6.

Meyer, August W., doing business as Meyer Drug Company, Honolulu, Hawaii. Perfumes. 351,494; Nov. 2; Serial No. 389,466; published Aug. 24, 1937. Class 6.

Meyer, Wm., Company, The, Chicago, Ill. Electric hair dryers. 351,467; Nov. 2; Serial No. 384,809; published Aug. 24, 1937. Class 44.

Meyers, A. S., Laboratories, Inc., Queens Village, N. Y. Eye astringent. 351,552; Nov. 2; Serial No. 392,993; published Aug. 10, 1937. Class 6.

Miner's, Inc., New York, N. Y. Cosmetic preparations. 351,484; Nov. 2; Serial No. 387,962; published Aug. 17, 1937. Class 6.

Mitsubishi Shoji Kaisha, Ltd., Marunouchi, Tokyo, Japan; New York, N. Y.; San Francisco, Calif.; and Seattle, Wash. Canned and bottled fruits, vegetables, and fish of all kinds. 351,461; Nov. 2; Serial No. 382,389; published July 6, 1937. Class 46.

Modern Equipment Corporation, Defiance, Ohio. Garage and service station equipment. 351,446; Nov. 2; Serial No. 375,594; published June 9, 1936. Class 23.

Monongahela Rye Liquors, Incorporated, Pittsburgh, Pa. Whiskey. 351,580; Nov. 2; Serial No. 393,660; published Aug. 24, 1937. Class 49.

Monteleone-Michel Co., Los Angeles, Calif. Fresh vegetables. 351,697; Nov. 2; Serial No. 394,851; published Aug. 24, 1937. Class 46.

Moore, Edward J., Sons, Inc., doing business as Sanger & Co., Long Island City, N. Y. Medicinal preparation. 351,625; Nov. 2; Serial No. 394,143; published Aug. 24, 1937. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Worm expellers for animals. 351,596; Nov. 2; Serial No. 393,868; published Aug. 17, 1937. Class 6.

Morey Institute, Inc., New York, N. Y. Pharmaceutical and toilet preparations. 351,442; Nov. 2; Serial No. 371,774; published May 4, 1937. Class 6.

Mount Shasta Pharmacy. (See D'Berger, E. V.)

Murray, Sons & Co., Limited, Belfast, Ireland. Smoking tobacco and cigarettes. 351,577; Nov. 2; Serial No. 393,610; published Aug. 3, 1937. Class 17.

My Pet Medicines, Inc., New York, N. Y. Medical preparations for dogs, cats, and other animals. 351,458; Nov. 2; Serial No. 381,282; published Dec. 29, 1936. Class 6.

Mystery Manufacturing Company, The, Independence, Kans. Laundry washing machines. 351,688; Nov. 2; Serial No. 394,796; published Aug. 24, 1937. Class 24.

Mystic Laboratories, Inc., Jersey City, N. J. Deodorant preparation. 351,675; Nov. 2; Serial No. 394,501; published Aug. 24, 1937. Class 6.

Nashua Package Sealing Co., Inc., Nashua, N. H. Machines and tools for moistening, serving, or applying adhesive or gummed tape, etc. 351,556; Nov. 2; Serial No. 393,043; published Aug. 24, 1937. Class 23.

Nathan, A. E., Company, Inc., New York, N. Y. Cotton piece goods. 351,593; Nov. 2; Serial No. 393,829; published Aug. 24, 1937. Class 42.

National-Boston Lead Company, Boston, Mass. White lead. 351,627; Nov. 2; Serial No. 394,181; published Aug. 24, 1937. Class 16.

National Carbon Company, Inc., New York, N. Y. Detection devices for leakage of gas, etc. 351,633; Nov. 2; Serial No. 394,244; published Aug. 24, 1937. Class 26.

National Ferment Company, Jacksonville, Fla. Medicine. 351,454; Nov. 2; Serial No. 380,117; published Aug. 24, 1937. Class 6.

National Oil Company, Inc., Richmond, Va. Lubricating oil. 351,524; Nov. 2; Serial No. 391,879; published Aug. 10, 1937. Class 15.

National Photo Supply Co. (See Kleinfeld, Leonard F.)

National Silk Co., Inc., The, South Coventry, Conn. Threads, yarns, and novelty yarns. 351,609; Nov. 2; Serial No. 393,998; published Aug. 17, 1937. Class 43.

Nehl, Inc., Columbus, Ga. Beverages, and syrups and extracts for making the same. 351,710; Nov. 2; Serial No. 395,143; published Aug. 24, 1937. Class 45.

Neumann, Morton G., doing business as Famous Products Co., Chicago, Ill. Perfumes, incense, sachet powder, etc. 351,516; Nov. 2; Serial No. 391,084; published Aug. 17, 1937. Class 6.

Neville Company, The, Neville Island, Pa. Resin. 351,507–8; Nov. 2; Serial Nos. 390,795–6; published Aug. 24, 1937. Class 1.

Neville Company, The, Neville Island, Pa. Dark semi-viscous oil. 351,509; Nov. 2; Serial No. 390,798; published Aug. 24, 1937. Class 6.

Neville Company, The, Neville Island, Pa. Resin. 351,510; Nov. 2; Serial No. 390,799; published Aug. 24, 1937. Class 1.

Neville Company, The, Neville Island, Pa. Resin. 351,511; Nov. 2; Serial No. 390,802; published Aug. 24, 1937. Class 1.

Neville Company, The, Neville Island, Pa. Resin. 351,515; Nov. 2; Serial No. 390,935; published Aug. 24, 1937. Class 1.

Newmark, Samuel M., assignor, by mesne assignments, to Coffee Products of America Inc., Ltd., Los Angeles, Calif. Coffee, cinnamon, tea, etc. 118,215; renewed Aug. 21, 1937.

New Orleans Alcohol & Distilling Corp., New Orleans, La. Denatured alcohol. 351,465; Nov. 2; Serial No. 384,429; published Aug. 10, 1937. Class 6.

New York Knitting Mills, Inc., New York, N. Y. Partly knitted and partly woven pull-over coats, sports coats and sweaters. 351,586; Nov. 2; Serial No. 393,727; published Aug. 24, 1937. Class 39.

New York Knitting Mills, Inc., New York, N. Y. Woolen piece goods and piece goods of wool and animal hair. 351,666; Nov. 2; Serial No. 394,468; published Aug. 24, 1937. Class 42.

Nicholson Bros. & Karos, Inc., Chicago, Ill. Brandy. 351,610; Nov. 2; Serial No. 394,000; published Aug. 24, 1937. Class 49.

Nicholson, Roscoe M., doing business as Nicholson Chemical Co., Los Angeles, Calif. Preventative preparation for venereal disease. 351,651; Nov. 2; Serial No. 394,343; published Aug. 24, 1937. Class 6.

Nineteen Hundred Corporation, St. Joseph, Mich. Laundry washing machines. 351,512; Nov. 2; Serial No. 390,861; published Aug. 24, 1937. Class 24.

Noxacorn Company, Inc., New York, N. Y. Medication. 351,611; Nov. 2; Serial No. 394,001; published Aug. 24, 1937. Class 6.

Okay Supply Corporation, New York, N. Y. Chamois-like skins for various uses. 351,732; Nov. 2. Class 1.

Old Collins Company, Inc., Distillers, New York, N. Y. Rum. 351,724; Nov. 2. Class 49.

Old Dutch Brewers, Inc., Brooklyn, N. Y. Malt beverages. 351,706; Nov. 2; Serial No. 395,047; published Aug. 24, 1937. Class 48.

Ottawa Indian Medicine Company. (See Emener, Jack.)

Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 120,514; renewed Feb. 12, 1938.

Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 120,898; renewed Mar. 12, 1938.

Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 120,996; renewed Mar. 19, 1938.

Pacific Wine and Spirits Company, San Francisco, Calif. Whiskey. 351,652; Nov. 2; Serial No. 394,344; published Aug. 24, 1937. Class 49.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parfumerie Fragonard; Fuchs et Compagnie, Grasse, France. Solid and liquid essential oils and raw products for perfumery. 351,563; Nov. 2; Serial No. 393,345; published Aug. 17, 1937. Class 6.

Parfums Charbert, Inc., New York, N. Y. Lipsticks. 351,500; Nov. 2; Serial No. 390,146; published Aug. 17, 1937. Class 6.

Parfums Corday, Inc., New York, N. Y. Cleansing cream, liquid cleanser, tissue cream, etc. 351,717; Nov. 2. Class 6.

Parke, Davis & Company, Detroit, Mich. Preparation of anti-anemic substance. 351,489–90; Nov. 2; Serial Nos. 388,956–7; published Aug. 10, 1937. Class 6.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Sheets, pillow cases, blankets, etc. 351,689; Nov. 2; Serial No. 394,801; published Aug. 24, 1937. Class 42.

Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 351,628; Nov. 2; Serial No. 394,188; published Aug. 24, 1937. Class 35.

Perry, Leo, doing business as Whitewater Garment Company, Whitewater, Wis. Food covers, and slide fastener operated bags. 351,505; Nov. 2; Serial No. 390,663; published Aug. 24, 1937. Class 2.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Salve for boils. 351,667; Nov. 2; Serial No. 394,469; published Aug. 24, 1937. Class 6.

Pharma-Craft Corporation, The, Louisville, Ky. Antiseptic deodorant cream and non-perspirant cream. 351,539; Nov. 2; Serial No. 392,607; published Aug. 17, 1937. Class 6.

Phelps-Dodge Copper Products Corporation, Dover, Del., and New York, N. Y. Condenser tubes. 351,503; Nov. 2; Serial No. 390,421; published Aug. 24, 1937. Class 34.

Pierce, Horace W., Arvada, Colo. Preparation useful in the treatment of diabetes and as a general tonic. 351,491; Nov. 2; Serial No. 389,196; published Aug. 10, 1937. Class 6.

Pinaud Incorporated, New York, N. Y. Toilet water. 351,683; Nov. 2; Serial No. 394,629; published Aug. 17, 1937. Class 6.

Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid meters. 351,634–5; Nov. 2; Serial Nos. 394,249–50; published Aug. 24, 1937. Class 26.

Pomona Manufacturing Company, Pomona, N. C. Piece goods. 351,720; Nov. 2. Class 42.

Porcher, Marcel, Paris, France. Skin ointment. 351,657; Nov. 2; Serial No. 394,381; published Aug. 24, 1937. Class 6.

Porit Company, The. (See Bjorklund, Mildred E.)

Prager, Theodore, doing business as World's Best Hair Tonic Co., Brooklyn, N. Y. Preparations for the hair. 351,736; Nov. 2. Class 6.

Printz-Biederman Company, The, Cleveland, Ohio. Women's coats and suits. 351,653; Nov. 2; Serial No. 394,348; published Aug. 17, 1937. Class 39.

Prooftex Laboratories. (See Wirick, Howard C.)

R C A Manufacturing Company, Inc., Camden, N. J. Television receiving sets and parts thereof. 351,636; Nov. 2; Serial No. 394,254; published Aug. 24, 1937. Class 21.

R & O Wine Co. Inc., The, New York, N. Y. Wines. 351,443; Nov. 2; Serial No. 372,855; published Aug. 24, 1937. Class 47.

Red Seal Chemical Company, Los Angeles, Calif. Chemical compounds. 351,525; Nov. 2; Serial No. 391,973; published Aug. 10, 1937. Class 6.

Rice-Stix Dry Goods Company, St. Louis, Mo. Ribbons. 119,982; renewed Dec. 25, 1937.

Ridge Tool Company, The, North Ridgeville, Ohio. Insecticides and fungicides. 351,536; Nov. 2; Serial No. 392,555; published Aug. 17, 1937. Class 6.

Rieser Co., The, assignor to The Rieser Company, Inc., New York, N. Y. Hair-curlers. 121,001; renewed Mar. 19, 1938.

Rosenau Bros., Inc., Philadelphia, Pa. Children's dresses, rompers, and play-suits. 351,643; Nov. 2; Serial No. 394,306; published Aug. 17, 1937. Class 39.

St. Andrew Mills, Limited, London, England. Toilet water for hygienic uses. 351,506; Nov. 2; Serial No. 390,748; published Aug. 10, 1937. Class 6.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Medicine for treating diseases of poultry. 351,591; Nov. 2; Serial No. 393,821; published Aug. 17, 1937. Class 6.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Flock treatment preparation. 351,615; Nov. 2; Serial No. 394,058; published Aug. 17, 1937. Class 6.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Fumigant. 351,616; Nov. 2; Serial No. 394,060; published Aug. 17, 1937. Class 6.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Roost treatment for lice and mites. 351,617; Nov. 2; Serial No. 394,061; published Aug. 17, 1937. Class 6.

Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. 351,658; Nov. 2; Serial No. 394,388; published Aug. 17, 1937. Class 6.

Sandoz Chemical Works, Inc., New York, N. Y. Dyestuffs. 351,698; Nov. 2; Serial No. 394,863; published Aug. 24, 1937. Class 6.

Sanger & Co. (See Moore, Edward J., Sons, Inc.)

Saoso Chemical Co. (See Day, Ellis V.)

Schieffelin & Co., New York, N. Y. Lotion and cream. 351,668; Nov. 2; Serial No. 394,471; published Aug. 17, 1937. Class 6.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 351,644; Nov. 2; Serial No. 394,308; published Aug. 17, 1937. Class 39.

Schwarz, Louis, Chicago, Ill. Prophylactic membranous articles. 351,441; Nov. 2; Serial No. 369,590; published Nov. 19, 1935. Class 44.

Sears, Roebuck and Co., Chicago, Ill. Table damask. 351,690; Nov. 2; Serial No. 394,812; published Aug. 24, 1937. Class 42.

Sebureen Laboratories, Inc. of Chicago, Chicago, Ill. Dandruff preparation. 351,537; Nov. 2; Serial No. 392,561; published Aug. 17, 1937. Class 6.

Seifert, W., & Son, New York, N. Y. Seal dyed rabbits' furs. 351,449; Nov. 2; Serial No. 378,153; published Aug. 24, 1937. Class 1.

Seltzer, Henry L., Boston, Mass. Hygienic vaginal tampons. 351,700; Nov. 2; Serial No. 394,914; published Aug. 24, 1937. Class 44.

Shield Foods, Inc., Buffalo, N. Y. Canned salmon. 351,659; Nov. 2; Serial No. 394,389; published Aug. 24, 1937. Class 46.

Silvertone Process Corporation, New York, N. Y. Matrix, dry mat or board used in stereotyping and electrotyping. 351,645; Nov. 2; Serial No. 394,310; published Aug. 24, 1937. Class 50.

Skin-Tox, Inc., Dayton, Ohio. Preparation for the treatment of eczema, psoriasis, etc. 351,718; Nov. 2. Class 6.

Slendex Laboratories. (See Hamilton, Grace E.)

Smith, E. L., & Co., Barre, Vt. Machined or polished blocks or slabs of granite. 351,631; Nov. 2; Serial No. 394,211; published Aug. 17, 1937. Class 12.

Smith, Richardson & Conroy, Inc., Jacksonville, Fla. Butter. 351,729; Nov. 2. Class 46.

"Snia-Viscosa" Società Nazionale Industria Applicazioni Viscosa, Milan, Italy. Thread and yarns. 351,495; Nov. 2; Serial No. 389,484; published June 29, 1937. Class 43.

South Bend Bait Company, South Bend, Ind. Fishing rods. 351,654; Nov. 2; Serial No. 394,354; published Aug. 24, 1937. Class 22.
Southern Brewing Company, Inc., Houston, Tex. Beer. 351,721; Nov. 2. Class 48.
Southern Quarrying Company, Elberton, Ga. Stone monuments, stone memorials, stone tablets, etc. 351,592; Nov. 2; Serial No. 393,823; published Aug. 24, 1937. Class 50.
Southwestern Milling Co. Inc., The, New York, N. Y., and Kansas City, Mo., assignor to Standard Milling Company, New York, N. Y. Wheat-flour, rye-flour, self-rising and prepared flour. 119,808; renewed Dec. 11, 1937.
Spear, Clifton T., doing business as The Diamond Spear Co., Texarkana, Tex. Radiator stop leak. 351,535; Nov. 2; Serial No. 392,457; published Aug. 17, 1937. Class 6.
Speer Carbon Company, Saint Marys, Pa. Negative carbon. 118,714; renewed Sept. 25, 1937.
Squibb, E. R., & Sons, New York, N. Y. Antianemic preparations. 351,629; Nov. 2; Serial No. 394,201; published Aug. 24, 1937. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 351,676; Nov. 2; Serial No. 394,515; published Aug. 24, 1937. Class 6.
Standard Chemical Company. (See Harwick, Curtis J.)
Standard Milling Company. (See Southwestern Milling Co. Inc., The, assignor.)
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Cleaning and polishing oil. 121,016; renewed Mar. 19, 1938.
Standard Oil Development Company, Linden, N. J. Dye for oils. 351,603; Nov. 2; Serial No. 393,922; published Aug. 17, 1937. Class 6.
Supertex Clothes, Inc., New York, N. Y. Men's and women's suits. 351,559; Nov. 2; Serial No. 393,238; published Aug. 24, 1937. Class 39.
Takamine Laboratory, Inc., Clifton, N. J. Preparation in powdered form for use in desizing textile goods. 351,669; Nov. 2; Serial No. 394,476; published Aug. 24, 1937. Class 6.
Tatra Works Ltd., Prague-Smichov, Czechoslovakia. Chassis for motor vehicles, etc., and structural parts thereof. 351,479; Nov. 2; Serial No. 386,670; published Aug. 24, 1937. Class 19.
Taylor, Chas., Sons Co., The, Cincinnati, Ohio. Refractory material. 351,581; Nov. 2; Serial No. 393,678; published Aug. 24, 1937. Class 12.
Tibbins Pharmacy, The. (See E-Z Health Laboratories.)
Tom Collins Corporation, The, Covington, Ky. Alcoholic liqueurs. 351,553; Nov. 2; Serial No. 393,007; published Aug. 24, 1937. Class 49.
Towle, George J., doing business as The Towle Laboratories, St. Paul, Minn. Nose drops. 351,439; Nov. 2; Serial No. 363,903; published Aug. 10, 1937. Class 6.
Turner Pharmacal Company, Miami, Fla. Medicinal preparation in solution. 351,684; Nov. 2; Serial No. 394,647; published Aug. 17, 1937. Class 6.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 351,664; Nov. 2; Serial No. 394,439; published Aug. 17, 1937. Class 43.
Union Stove Works Inc., New York, N. Y. Stoves, ranges, furnaces, etc. 351,528; Nov. 2; Serial No. 392,172; published Aug. 24, 1937. Class 34.
Unipathic Co. (See Lane, Gillette.)
United Distillers Limited, Vancouver, British Columbia, Canada. Whiskey, gin, rum, etc. 351,733; Nov. 2. Class 49.
U. S. Vitamin Corporation, New York, N. Y. Preparations containing various vitamins and minerals. 351,531; Nov. 2; Serial No. 392,246; published Aug. 10, 1937. Class 6.
Universal Atlas Cement Company, Chicago, Ill. Oil well cement. 351,606; Nov. 2; Serial No. 393,965; published Aug. 17, 1937. Class 12.
Universal Bulb Corporation, New York, N. Y. Plant bulbs. 351,646; Nov. 2; Serial No. 394,311; published Aug. 24, 1937. Class 1.
Vadaco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. 351,714; Nov. 2. Class 6.
Valentine, Harold G., doing business as H. G. Valentine Co., Randolph, Mass. Wax polishes and polishing preparations. 351,453; Nov. 2; Serial No. 379,456; published Aug. 24, 1937. Class 16.
Valentine Laboratories, Inc. (See Walgreen Co.)
Van Cleff Bros. (See Graeme Harrison Products, Inc., assignor.)
Van Korngut, Joseph G., doing business as Crawford Creamery Co., Harmonsburg, Pa. Milk, chocolate milk, butter, etc. 351,558; Nov. 2; Serial No. 393,096; published Aug. 24, 1937. Class 46.
Van Raalte Company, New York, N. Y. Hosiery. 351,597; Nov. 2; Serial No. 393,880; published Aug. 17, 1937. Class 39.
Van Raalte Company, New York, N. Y. Women's, misses', and children's underwear. 351,637; Nov. 2; Serial No. 394,263; published Aug. 24, 1937. Class 39.
Van Raalte Company, New York, N. Y. Women's, misses', and children's underwear. 351,638; Nov. 2; Serial No. 394,264; published Aug. 17, 1937. Class 39.
Vega, R., e Hijos, Inc., San Juan, P. R. Rum. 351,487; Nov. 2; Serial No. 388,736; published Aug. 3, 1937. Class 49.
Vita Products Inc., Zeeland, Mich. Dehydrated kelp. 351,472; Nov. 2; Serial No. 385,869; published Aug. 24, 1937. Class 6.
Vita Products, Inc., Zeeland, Mich. Dehydrated kelp. 351,497; Nov. 2; Serial No. 389,810; published Aug. 24, 1937. Class 6.
Walgreen Co., Chicago, Ill. Playing cards. 351,545; Nov. 2; Serial No. 392,830; published Aug. 24, 1937. Class 22.
Walgreen Co., doing business as Valentine Laboratories, Inc., Chicago, Ill. Cosmetic preparations. 351,544; Nov. 2; Serial No. 392,829; published Aug. 10, 1937. Class 6.
Wallerstein Company, Inc., New York, N. Y. Malt and/or wheat syrup. 351,565; Nov. 2; Serial No. 393,401; published Aug. 24, 1937. Class 48.
Wallerstein Company, Inc., New York, N. Y. Diastatic malt preparation. 351,566; Nov. 2; Serial No. 393,402; published Aug. 24, 1937. Class 48.
Waterbury Chemical Company, Inc., New York, N. Y. Medicines and pharmaceutical preparations. 351,523; Nov. 2; Serial No. 391,831; published June 22, 1937. Class 6.
Webb, A. M., & Co., Inc., New York, N. Y. Wearing apparel. 351,459–60; Nov. 2; Serial Nos. 382,142–3; published Oct. 27, 1936. Class 39.
Welch, J. W., Co., Inc., Downings, Va., and Eustis, Fla. Canned tomatoes, canned grapefruit, and canned grapefruit juice. 351,735; Nov. 2. Class 46.
Whitewater Garment Company. (See Perry, Leo.)
Wieder, S., Co. Inc., New York, N. Y. Children's dresses. 351,612; Nov. 2; Serial No. 394,010; published Aug. 17, 1937. Class 39.
Williams, J. B., Company, The, Glastonbury, Conn. Preparations for cleaning the teeth. 120,463; renewed Feb. 5, 1938.
Williams, J. B., Company, The, Glastonbury, Conn. Facelotions and after-shaving preparations. 121,027; renewed Mar. 19, 1938.
Willys-Overland Motors, Inc., Toledo, Ohio. Passenger carrying automobiles. 351,476; Nov. 2; Serial No. 386,561; published Aug. 24, 1937. Class 19.
Wilmington Fibre Specialty Company, Wilmington and New Castle, Del. Timing gears and other light pressure gearing and parts of machines, etc. 351,630; Nov. 2; Serial No. 394,208; published Aug. 24, 1937. Class 23.
Wilson Brothers, Chicago, Ill. Men's shirts. 351,470; Nov. 2; Serial No. 385,079; published Aug. 24, 1937. Class 39.
Wilson, Ira, & Sons Dairy Company, Detroit, Mich. Candies. 351,578; Nov. 2; Serial No. 393,627; published Aug. 24, 1937. Class 46.
Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic agent for streptococcic and staphylococcic infections. 351,468; Nov. 2; Serial No. 385,020; published Jan. 5, 1937. Class 6.
Wirick, Howard C., doing business as Prooftex Laboratories, Chicago, Ill. Dressing for preserving the laundered finish of fabrics. 351,456; Nov. 2; Serial No. 380,980; published Sept. 8, 1936. Class 6.
World's Best Hair Tonic Co. (See Prager, Theodore.)
World's Products Company, The. (See Laymon, Herman B.)
Worthington Ball Company, The, Elyria, Ohio. Golf balls. 351,716; Nov. 2. Class 22.
Zotos Corporation, New York, N. Y. Hair waving lotions. 351,440; Nov. 2; Serial No. 364,041; published Aug. 10, 1937. Class 6.

LIST OF REGISTRANTS OF LABELS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. The House of a Million Nuts The Sweetest Spot in Town You Will Like My Stuff. For Candy, Chocolates and Nuts. 50,311; Nov. 2.
Bussmann Manufacturing Company. (See McGraw Electric Company.)
Cook Paint & Varnish Company, North Kansas City, Mo. The Underwear for Houses. For a Primer. 50,312; Nov. 2.
Cook Paint & Varnish Company, North Kansas City, Mo. Underwear. For a Surface Primer. 50,313; Nov. 2.
Cook Paint & Varnish Company, North Kansas City, Mo. The Underwear for Houses. For a Superwhite Primer. 50314; Nov. 2.
Cook Paint & Varnish Company, North Kansas City, Mo. House Underwear. For a Primer. 50,315; Nov. 2.
Cook Paint & Varnish Company, North Kansas City, Mo. Underwear. For House Paint. 50,316; Nov. 2.
Dob-Ene Company, New York, N. Y. Antiseptic Dob-Ene Lens Cleaner. For Lens Cleaners. 50,317; Nov. 2.
Dwarfies Corporation, Council Bluffs, Iowa. Dwarfies Jumbo Wheat. For a Wheat Cereal. 50,318; Nov. 2.

Dwarfies Corporation, Council Bluffs, Iowa. Dwarfies Jumbo Rice. For a Rice Cereal. 50,319; Nov. 2.
Fisher Brothers Company, The, Cleveland, Ohio. Fisher's Four Roses Coffee. For Coffee. 50,320; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Pogue Hair Net. For Hair Nets. 50,321; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Hair Net. For Hair Nets. 50,322; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Jean Hair Net. For Hair Nets. 50,323; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. This Hair Net is Guaranteed to be Perfect. For Hair Nets. 50,324; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Aimee Hair Net. For Hair Nets. 50,325–6; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Noble Lady Hair Net. For Hair Nets. 50,327; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. La Marcelle Hair Net. For Hair Nets. 50,328; Nov. 2.
Glemby Company, Inc., The, New York, N. Y. Lorraine Roll and Puff Foundation. For Roll and Puff Foundations for Ladies' Hair. 50,329; Nov. 2.
Gotham Silk Hosiery Company, Inc., New York, N. Y. Day and Night. For Silk Stockings. 50,330–1; Nov. 2.
King Packing Company, Sweetser, Ind. King's Pride. For Canned, Whole Tomatoes. 50,332; Nov. 2.
Knight, Stephen J., Denver, Colo. Holsum White Sliced Bread. For Bread. 50,333; Nov. 2.
Lepine, Alfred, Kenslington, Ohio. Sulphasol Best in Show Shampoo. For Shampoo for Dogs. 50,334; Nov. 2.
Markwell Manufacturing Company, Inc., New York, N. Y. Blue Ribbon Standard Staples. For Staples. 50,335; Nov. 2.
McGraw Electric Company, doing business as Bussmann Manufacturing Company, St. Louis, Mo. Fusetrons. For Combination Fuses and Thermal Cutouts. 50,336–7; Nov. 2.
Meier & Frank Company, Inc., doing business as Meier & Frank Co., Portland, Oreg. Fortune House Furnishings. For House Furnishings. 50,338; Nov. 2.
Menasha Products Company, Menasha, Wis. Worthmore Pasteurized Creamery Butter. For Butter. 50,339; Nov. 2.
Michigan Cellulose Corporation, Detroit, Mich. Plastic Plate. For Plastic Plate Material. 50,340; Nov. 2.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Cardinal. For Carbon Paper and Typewriter Ribbons. 50,341; Nov. 2.
Minervite Vitamin Company, Brooklyn, N. Y. Minervite. For Biologically Standardized Vitamin and Mineral Capsules. 50,342–3; Nov. 2.
O-Cedar Corp'n, Chicago, Ill. O-Cedar Self-Polishing Wax. For A Self-Polishing Wax for all Floors. 50,344; Nov. 2.
O-Cedar Corp'n, Chicago, Ill. No Rubbing Wax. For a No Rubbing Wax for Linoleum, Tile, Hardwood, and Other Types of Floors. 50,345; Nov. 2.
Serra, Arthur, & Company, Chicago, Ill. Cuban Beauty. For Canned Pineapple. 50,346; Nov. 2.
Serra, Arthur, & Company, Chicago, Ill. Chiquita. For Canned Pineapple. 50,347; Nov. 2.
Traders Oil Mill Co., Fort Worth, Tex. Cofio. For Partially Defatted, Cooked Cottonseed Flour. 50,348; Nov. 2.
Union Oil Company of California, Los Angeles, Calif. Union Glass Cleaner. For a Glass Cleaning Fluid. 50,349; Nov. 2.

LIST OF REGISTRANTS OF PRINTS

Canute Co. The, Milwaukee, Wis. How to Use Canute Water. For a Hair Coloring Preparation, a Hair Tonic and a Shampoo. 16,539; Nov. 2.
Clark-Millner Company, Chicago, Ill. Three Sisters Cleansing Pads. For an Instant Facial Cleansing Pad. 16,540; Nov. 2.
Cream of Wheat Corporation, The, Minneapolis, Minn. Fight Team, Fight. For Wheat Breakfast Food. 16,541; Nov. 2.
General Mills, Inc., Minneapolis, Minn. Now Betty Crocker Offers You Her "De-Luxe" Gingerbread! (With Variations). For Flour. 16,542; Nov. 2.
Pfeiffer Brewing Company, Detroit, Mich. Old-Time . . . Craftmanship. For Beer. 16,543; Nov. 2.
Pfeiffer Brewing Company, Detroit, Mich. An Old-Time Favorite. For Beer. 16,544; Nov. 2.
Puro Products Co., Chicago, Ill. Malt-O. The Chocolate Malt Drink. For a Chocolate Malt Drink. 16,545; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. All Three in One. For Bread. 16,546; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Ask Your Grocer For—. For Bread. 16,547; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Every Slice Has a Golden Glow. For Bread. 16,548; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Flavor-Sealed. For Bread. 16,549; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. From the Sunny Countryside. For Bread. 16,550; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Here's How Bricker's Bread. For Bread. 16,551; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. If Bread Grew on Trees. For Bread. 16,552; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. It Tastes Better, It Toasts Better. For Bread. 16,553; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Like an Orange. For Bread. 16,554; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. More Delicious, More Nutritious. For Bread. 16,555; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Mother Nature. For Bread. 16,556; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Our Recipe Calls For. For Bread. 16,557; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. See the Golden Glow. For Bread. 16,558; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. Today! Your Grocer Has. For Bread. 16,559; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. We Took a Tip From Nature. For Bread. 16,560; Nov. 2.
Schautz, William A., Advertising Agency, The, Scranton, Pa. We Took a Tip from Women. For Bread. 16,561; Nov. 2.
Traders Oil Mill Co., Fort Worth, Tex. A Bright Idea for Dark Breads. For Partially Defatted, Cooked Cottonseed Flour. 16,562; Nov. 2.
Underwood Elliott Fisher Company, New York, N. Y. How Would You Like to Dive. For Typewriters. 16,563; Nov. 2.
Underwood Elliott Fisher Company, New York, N. Y. The Early Statement Gets the Cash. For Typewriters. 16,564; Nov. 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bulbs, Plant. Universal Bulb Corporation. 351,646; Nov. 2; Serial No. 394,311; published Aug. 24, 1937.
Coal, Semi-anthracite. Christopherson-Renstrom Company. 351,478; Nov. 2; Serial No. 386,622; published Aug. 24, 1937.
Cotton and wool filling for comforts, Blended. Biltmore Manufacturing Co. 351,622; Nov. 2; Serial No. 394,120; published Aug. 24, 1937.
Furs, Seal dyed rabbits. W. Seifert & Son. 351,449; Nov. 2; Serial No. 378,153; published Aug. 24, 1937.
Plastic material. Foster Grant Co. Inc. 351,670; Nov. 2; Serial No. 394,482; published Aug. 24, 1937.
Resin. Neville Company. 351,507–8; Nov. 2; Serial Nos. 390,795–6; published Aug. 24, 1937.
Resin. Neville Company. 351,510; Nov. 2; Serial No. 390,799; published Aug. 24, 1937.
Resin. Neville Company. 351,511; Nov. 2; Serial No. 390,802; published Aug. 24, 1937.
Resin. Neville Company. 351,515; Nov. 2; Serial No. 390,935; published Aug. 24, 1937.
Skins, Chamois-like. Okay Supply Corporation. 351,732; Nov. 2.

CLASS 2

Containers for toilet articles. Eiseman, Kaiser & Co. 118,869; renewed Oct. 9, 1937.
Covers, and slide fastener operated bags, Food. L. Perry. 351,505; Nov. 2; Serial No. 390,663; published Aug. 24, 1937.
Tanks, Metal. Brown Steel Tank Co. 351,702; Nov. 2; Serial No. 394,974; published Aug. 24, 1937.

CLASS 4

Cleaning preparation for all colored leather, Liquid. Griffin Mfg. Co. 120,974; renewed Mar. 19, 1938.

CLASS 5

Cement, Polishing-wheel. Industrial Lubricants Company. 351,699; Nov. 2; Serial No. 394,901; published Aug. 24, 1937.
Cements and adhesive tapes, Rubber and similar. Graeme Harrison Products, Inc. 351,450; Nov. 2; Serial No. 378,562; published July 27, 1937.

CLASS 6

Adhesion-preventing material for rubber-vulcanizing molds. C. J. Harwick. 351,555; Nov. 2; Serial No. 393,034; published Aug. 10, 1937.
Alcohol, Industrial. New Orleans Alcohol & Distilling Corp. 351,465; Nov. 2; Serial No. 384,429; published Aug. 10, 1937.
Alkalizer, Effervescent. Inland Laboratories, Incorporated. 351,561; Nov. 2; Serial No. 393,281; published Aug. 10, 1937.
Antianemic preparations. E. R. Squibb & Sons. 351,629; Nov. 2; Serial No. 394,201; published Aug. 24, 1937.
Anti-freeze solution. W. H. Barber Company. 351,677; Nov. 2; Serial No. 394,522; published Aug. 24, 1937.
Antiseptic deodorant cream and non-perspirant cream. Pharma-Craft Corporation. 351,539; Nov. 2; Serial No. 392,607; published Aug. 17, 1937.
Astringent for the feet. E. L. Emory. 351,620; Nov. 2; Serial No. 394,160; published Aug. 24, 1937.
Astringents, astringent cerates, beauty creams, etc. Vadsco Sales Corporation. 351,714; Nov. 2.
Boiler cleaner and steam conditioner. Kenlite Laboratory, Inc. 351,695; Nov. 2; Serial No. 394,841; published Aug. 24, 1937.
Carbon dioxide, Solidified. Liquid Carbonic Corporation. 351,589; Nov. 2; Serial No. 393,772; published Aug. 17, 1937.
Chemical compounds. Red Seal Chemical Company. 351,525; Nov. 2; Serial No. 391,973; published Aug. 10, 1937.
Chemical finishing agent for textiles. Hercules Powder Company. 351,557; Nov. 2; Serial No. 393,076; published Aug. 24, 1937.
Chemicals used in the preparation of photographic developers. H. H. Fries. 351,599; Nov. 2; Serial No. 393,904; published Aug. 17, 1937.
Chemotherapeutic agent for streptococcic and staphylococcic infections. Winthrop Chemical Company. 351,468; Nov. 2; Serial No. 385,020; published Jan. 5, 1937.
Compacts and combination vanity cases filled with powder. Jacques Kreisler Sales Corporation. 351,727; Nov. 2.
Cosmetic preparations. Miner's, Inc. 351,484; Nov. 2; Serial No. 387,962; published Aug. 17, 1937.
Cosmetic preparations. Walgreen Co. 351,544; Nov. 2; Serial No. 392,829; published Aug. 10, 1937.
Cream, liquid cleanser, tissue cream, etc., Cleansing. Parfums Corday, Inc. 351,717; Nov. 2.
Creams, Facial and skin. Grace Donohue, Inc. 351,632; Nov. 2; Serial No. 394,225; published Aug. 24, 1937.
Dandruff preparation. Seboreen Laboratories, Inc. of Chicago. 351,537; Nov. 2; Serial No. 392,561; published Aug. 17, 1937.
Deodorant preparation. Mystic Laboratories, Inc. 351,675; Nov. 2; Serial No. 394,501; published Aug. 24, 1937.
Disinfectant, germicide, and antiseptic, Fluid. Wm. S. Merrell Company. 351,602; Nov. 2; Serial No. 393,915; published Aug. 24, 1937.
Diuretic, alterative, stomachic tonic, etc. G. Lane. 351,530; Nov. 2; Serial No. 392,217; published Aug. 17, 1937.
Dressing for preserving the laundered finish of fabrics. H. C. Wirick. 351,456; Nov. 2; Serial No. 380,980; published Sept. 8, 1936.
Dye for oils. Standard Oil Development Company. 351,603; Nov. 2; Serial No. 393,922; published Aug. 17, 1937.
Dyestuffs. Sandoz Chemical Works, Inc. 351,698; Nov. 2; Serial No. 394,863; published Aug. 24, 1937.
Eye astringent. A. S. Meyers Laboratories, Inc. 351,552; Nov. 2; Serial No. 392,993; published Aug. 10, 1937.
Flock treatment preparation. Dr. Salsbury's Laboratories. 351,615; Nov. 2; Serial No. 394,058; published Aug. 17, 1937.
Fumigant. Dr. Salsbury's Laboratories. 351,616; Nov. 2; Serial No. 394,060; published Aug. 17, 1937.
Fungicides, Textile. E. I. du Pont de Nemours and Company. 351,502; Nov. 2; Serial No. 390,416; published July 20, 1937.
Gelatin sold for medicinal use. Grayslake Gelatin Company. 351,469; Nov. 2; Serial No. 385,039; published Aug. 24, 1937.
Hair oil and brilliantine. H. B. Laymon. 351,672; Nov. 2; Serial No. 394,494; published Aug. 17, 1937.
Hair tonic, cold cream, massage cream, etc. Der-Mo-Tine, Inc. 351,529; Nov. 2; Serial No. 392,201; published Aug. 17, 1937.
Hair waving lotions. Zotos Corporation. 351,440; Nov. 2; Serial No. 364,041; published Aug. 10, 1937.
Headache powders. Gulf Laboratories Company. 351,533; Nov. 2; Serial No. 392,273; published June 29, 1937.
Insecticide. H. G. Hutson. 351,492; Nov. 2; Serial No. 389,252; published Aug. 10, 1937.
Insecticides. Dye-Col Products, Inc. 351,605; Nov. 2; Serial No. 393,948; published Aug. 17, 1937.
Insecticides and fungicides. Ridge Tool Company. 351,536; Nov. 2; Serial No. 392,555; published Aug. 17, 1937.
Kelp, Dehydrated. Kelp Co. Inc. 351,471; Nov. 2; Serial No. 385,844; published Aug. 24, 1937.
Kelp, Dehydrated. Vita Products Inc. 351,472; Nov. 2; Serial No. 385,869; published Aug. 24, 1937.
Kelp, Dehydrated. Vita Products, Inc. 351,497; Nov. 2; Serial No. 389,810; published Aug. 24, 1937.
Lipsticks. Parfums Charbert, Inc. 351,560; Nov. 2; Serial No. 390,146; published Aug. 17, 1937.
Lotion and cream. Schieffelin & Co. 351,668; Nov. 2; Serial No. 394,471; published Aug. 17, 1937.
Lotion, Sun tan. A. J. Krank Company. 351,541; Nov. 2; Serial No. 392,759; published Aug. 17, 1937.
Lotion, tissue toning cream, etc., Face and hand. C. E. Logotheton. 351,551; Nov. 2; Serial No. 392,987; published Aug. 24, 1937.
Lotions and after-shaving preparations, Face. J. B. Williams Company. 121,027; renewed Mar. 19, 1938.
Medical preparations for dogs, cats, and other animals. My Pet Medicines, Inc. 351,458; Nov. 2; Serial No. 381,282; published Dec. 29, 1936.
Medication. Noxacorn Company. 351,611; Nov. 2; Serial No. 394,001; published Aug. 24, 1937.
Medicinal and pharmaceutical preparations. J. Emener. 351,457; Nov. 2; Serial No. 381,195; published Aug. 10, 1937.
Medicinal preparation. J. D. Glunts. 351,619; Nov. 2; Serial No. 394,082; published Aug. 24, 1937.
Medicinal preparation. Eli Lilly and Company. 351,681; Nov. 2; Serial No. 394,617; published Aug. 24, 1937.
Medicinal preparation. Edward J. Moore Sons, Inc. 351,625; Nov. 2; Serial No. 394,143; published Aug. 24, 1937.
Medicinal preparation. Sandoz Chemical Works, Inc. 351,658; Nov. 2; Serial No. 394,388; published Aug. 17, 1937.
Medicinal preparation. Turner Pharmacal Company. 351,684; Nov. 2; Serial No. 394,647; published Aug. 17, 1937.
Medicinal preparations. Lingner-Werke Vertriebs-G. m. b. H. 351,620; Nov. 2; Serial No. 394,090; published Aug. 17, 1937.
Medicine. National Ferment Company. 351,454; Nov. 2; Serial No. 380,117; published Aug. 24, 1937.
Medicine for treating diseases of poultry. Dr. Salsbury's Laboratories. 351,591; Nov. 2; Serial No. 393,821; published Aug. 17, 1937.
Medicine, Stomach. E. V. D'Berger. 351,640; Nov. 2; Serial No. 394,273; published Aug. 24, 1937.
Medicines and pharmaceutical preparations. Waterbury Chemical Company. 351,523; Nov. 2; Serial No. 391,831; published June 22, 1937.
Nose drops. G. J. Towle. 351,439; Nov. 2; Serial No. 363,903; published Aug. 10, 1937.
Oil, Dark semi-viscous. Neville Company. 351,509; Nov. 2; Serial No. 390,708; published Aug. 24, 1937.
Oils and raw products for perfumery, Solid and liquid essential. Parfumerie Fragonard; Fuchs Et Compagnie. 351,563; Nov. 2; Serial No. 393,345; published Aug. 17, 1937.
Ointment, Skin. M. Porcher. 351,657; Nov. 2; Serial No. 394,381; published Aug. 24, 1937.
Perfumes. A. W. Meyer. 351,494; Nov. 2; Serial No. 389,466; published Aug. 24, 1937.
Perfumes and cosmetic creams. Lentheric, Incorporated. 351,680; Nov. 2; Serial No. 394,541; published Aug. 17, 1937.
Perfumes, incense, sachet powder, etc. M. G. Neumann. 351,516; Nov. 2; Serial No. 391,084; published Aug. 17, 1937.
Perfumes, toilet waters, face and toilet powders, etc. E. Daltroff & Cie. 351,665; Nov. 2; Serial No. 394,451; published Aug. 24, 1937.
Pharmaceutical and toilet preparations. Morey Institute, Inc. 351,442; Nov. 2; Serial No. 371,774; published May 4, 1937.
Photographic developer. H. L. Harvey. 351,579; Nov. 2; Serial No. 393,644; published Aug. 17, 1937.
Powder, dusting powder, perfume, etc., Face. Associated Merchandising Corporation. 351,728; Nov. 2.
Preparation for the treatment of eczema, psoriasis, etc. Skin-Tox, Inc. 351,718; Nov. 2.
Preparation for use in desizing textile goods. Takamine Laboratory, Inc. 351,669; Nov. 2; Serial No. 394,476; published Aug. 24, 1937.
Preparation of anti-anemic substance. Parke, Davis & Company. 351,489–90; Nov. 2; Serial Nos. 388,956–7; published Aug. 10, 1937.
Preparation useful in the treatment of diabetes and as a general tonic. H. W. Pierce. 351,491; Nov. 2; Serial No. 389,196; published Aug. 10, 1937.
Preparations containing various vitamins and minerals. U. S. Vitamin Corporation. 351,531; Nov. 2; Serial No. 392,246; published Aug. 10, 1937.
Preparations for cleaning the teeth. J. B. Williams Company. 120,463; renewed Feb. 5, 1938.
Preparations for the hair. T. Prager. 351,736; Nov. 2.
Preparations for the relief of epilepsy and nervousness. M. Adler. 351,613; Nov. 2; Serial No. 394,012; published Aug. 24, 1937.
Preservative material, Anatomical. Bondura Chemical Laboratories, Inc. 351,540; Nov. 2; Serial No. 392,628; published Aug. 10, 1937.
Preventive preparation for venereal disease. R. M. Nicholson. 351,651; Nov. 2; Serial No. 394,343; published Aug. 24, 1937.
Roost treatment for lice and mites. Dr. Salsbury's Laboratories. 351,617; Nov. 2; Serial No. 394,061; published Aug. 17, 1937.

Salve. F. Bialek. 351,474; Nov. 2; Serial No. 386,146; published Aug. 10, 1937.
Salve for boils. S. Pfeiffer Manufacturing Company. 351,667; Nov. 2; Serial No. 394,469; published Aug. 24, 1937.
Slenderizing preparation, Externally applied. G. E. Hamilton. 351,444; Nov. 2; Serial No. 374,662; published Dec. 15, 1936.
Solvents. General Dyestuff Corporation. 351,464; Nov. 2; Serial No. 383,839; published July 20, 1937.
Stimulant, Respiratory. C. H. Boehringer Sohn Aktiengesellschaft. 351,548; Nov. 2; Serial No. 392,910; published Aug. 24, 1937.
Stop leak, Radiator. C. T. Spear. 351,535; Nov. 2; Serial No. 392,457; published Aug. 17, 1937.
Sulphur preparation, Colloidal. Colloidal Sulphur Co. 351,649; Nov. 2; Serial No. 394,318; published Aug. 24, 1937.
Suppositories and antiseptic and disinfectant preparations, Vaginal. Lehn & Fink Products Corporation. 351,550; Nov. 2; Serial No. 392,933; published Aug. 10 1937.
Tablet used in the treatment of acne. Chicago Pharmacal Co. 351,647; Nov. 2; Serial No. 394,316; published Aug. 24, 1937.
Tablets used in the treatment of arterio-sclerosis and high blood pressure. Chicago Pharmacal Co. 351,648; Nov. 2; Serial No. 394,317; published Aug. 24, 1937.
Toilet water. Pinaud Incorporated. 351,683; Nov. 2; Serial No. 394,629; published Aug. 17, 1937.
Toilet water for hygienic uses. St. Andrew Mills, Limited. 351,506; Nov. 2; Serial No. 390,748; published Aug. 10, 1937.
Tonic, General. E-Z Health Laboratories. 351,569; Nov. 2; Serial No. 393,467; published Aug. 17, 1937.
Tooth powders, mouth washes, dentifrices, etc. S. H. Kress and Company. 351,519; Nov. 2; Serial No. 391,389; published Aug. 10, 1937.
Vitaminic preparations. E. R. Squibb & Sons. 351,676; Nov. 2; Serial No. 394,515; published Aug. 24, 1937.
Water softener and soap saver. E. V. Day. 351,639; Nov. 2; Serial No. 394,272; published Aug. 24, 1937.
Worm expellers for animals. Moorman Manufacturing Company. 351,596; Nov. 2; Serial No. 393,868; published Aug. 17, 1937.

CLASS 7

Twine and cordage. Empire Twine and Yarn Company. 351,520; Nov. 2; Serial No. 391,469; published Aug. 24, 1937.

CLASS 9

Explosives. D. B. McCloud. 351,711; Nov. 2; Serial No. 395,197; published Aug. 24, 1937.

CLASS 12

Cement, Oil well. Universal Atlas Cement Company. 351,606; Nov. 2; Serial No. 393,065; published Aug. 17, 1937.
Cement, Portland. Dewey Portland Cement Company. 351,473; Nov. 2; Serial No. 386,014; published Aug. 10, 1937.
Concrete and steel building blocks, etc. Haco Company. 351,575; Nov. 2; Serial No. 393,595; published Aug. 24, 1937.
Granite, Machined or polished blocks or slabs of. E. L. Smith & Co. 351,631; Nov. 2; Serial No. 394,211; published Aug. 17, 1937.
Material to be used as an ingredient for cement, masonry mortar, etc. Masters Builders Company. 351,595; Nov. 2; Serial No. 393,862; published Aug. 17, 1937.
Mud jack sleeves, concrete reinforcing members and dowels, etc. American Concrete Expansion Joint Co. 351,526; Nov. 2; Serial No. 392,066; published July 6, 1937.
Plywood. M and M Wood Working Company. 351,719; Nov. 2.
Refractory bricks, blocks, shapes, etc. Lava Crucible Company of Pittsburgh. 351,584; Nov. 2; Serial No. 393,716; published Aug. 24, 1937.
Refractory material. Chas. Taylor Sons Co. 351,581; Nov. 2; Serial No. 393,678; published Aug. 24, 1937.
Refractory material, Plastic chrome. M. W. Kellogg Company. 351,543; Nov. 2; Serial No. 392,828; published Aug. 17, 1937.
Wall covering in sheet form, Composition. Marsh Lumber Company. 351,448; Nov. 2; Serial No. 377,437; published July 6, 1937.
Weatherstrips, and strips for sealing windows, doors, etc. Gardner Wire Co. 351,618; Nov. 2; Serial No. 394,080; published Aug. 17, 1937.

CLASS 13

Bale bands, Steel. A. Bond. 351,564; Nov. 2; Serial No. 393,365; published Aug. 24, 1937.
Barb wire, woven-wire fencing, etc. American Steel and Wire Company of New Jersey. 120,701; renewed Mar. 5, 1938.
Hinges, metal mouldings, etc., Metal. Auto Moulding & Mfg. Co. 351,486; Nov. 2; Serial No. 388,222; published Aug. 24, 1937.
Liquid level controllers, automatic cut-off valves, etc. A. G. Blanchard. 351,554; Nov. 2; Serial No. 393,020; published Aug. 24, 1937.
Nails, tacks, metal shoe taps, etc. S. H. Kress and Company. 351,514; Nov. 2; Serial No. 390,924; published Aug. 24, 1937.
Pipe fittings, Metal. Stanley G. Flagg & Co. 351,498–99; Nov. 2; Serial Nos. 389,909–10; published Aug. 24 1937.

CLASS 14

Magnesium and magnesium alloys. American Magnesium Corporation. 351,707; Nov. 2; Serial No. 395,059; published Aug. 24, 1937.

CLASS 15

Oil, Lubricating. National Oil Company. 351,524; Nov. 2; Serial No. 391,879; published Aug. 10, 1937.

CLASS 16

Oil, Cleaning and polishing. Standard Oil Company. 121,016; renewed Mar. 19, 1938.
Paints, Ready mixed. J. J. Hoff. 351,504; Nov. 2; Serial No. 390,452; published Aug. 24, 1937.
Polishes and polishing preparations, Wax. H. G. Valentine. 351,453; Nov. 2; Serial No. 379,456; published Aug. 24, 1937.
White lead. National-Boston Lead Company. 351,627; Nov. 2; Serial No. 394,181; published Aug. 24, 1937.

CLASS 17

Snuff. F. Groya. 351,547; Nov. 2; Serial No. 392,862; published Aug. 24, 1937.
Tobacco and cigarettes, Smoking. Murray, Sons & Co. 351,577; Nov. 2; Serial No. 393,610; published Aug. 3, 1937.

CLASS 19

Automobiles, Passenger carrying. Willys-Overland Motors, Inc. 351,476; Nov. 2; Serial No. 386,561; published Aug. 24, 1937.
Automobiles, Reconditioned. Barford Chevrolet Company. 351,485; Nov. 2; Serial No. 388,177; published Aug. 24, 1937.
Bicycles, Motor-driven. Blue Ribbon Skoot-Mo-Bile. 351,466; Nov. 2; Serial No. 384,444; published Jan. 26, 1937.
Chassis for motor vehicles, etc., and structural parts thereof. Tatra Works Ltd. 351,479; Nov. 2; Serial No. 386,670; published Aug. 24, 1937.
Trailers, Elcar Coach Company. 351,493; Nov. 2; Serial No. 389,350; published Aug. 24, 1937.
Wipers and parts thereof, Windshield. Anderson Company. 351,452; Nov. 2; Serial No. 379,411; published Aug. 24, 1937.

CLASS 21

Carbon, Negative. Speer Carbon Company. 118,714; renewed Sept. 25, 1937.
Electrical apparatus, machines, and supplies. Bryant Electric Company. 120,944; renewed Mar. 19, 1938.
Electrical connecters. Burndy Engineering Company. 351,715; Nov. 2.
Fuses for electrical purposes, Cartridge and plug. Kirkman Engineering Corporation. 118,671; renewed Sept. 25, 1937.
Television receiving sets and parts thereof. RCA Manufacturing Company. 351,636; Nov. 2; Serial No. 394,254; published Aug. 24, 1937.

CLASS 22

Cards, Playing. Walgreen Co. 351,545; Nov. 2; Serial No. 392,830; published Aug. 24, 1937.
Dice. H. E. Drake. 351,656; Nov. 2; Serial No. 394,371; published Aug. 24, 1937.
Fishing rods. South Bend Bait Company. 351,654; Nov. 2; Serial No. 394,354; published Aug. 24, 1937.
Golf balls. Worthington Ball Company. 351,716; Nov. 2.

CLASS 23

Bean preparing instrument, String. G. N. Coughlan Co., Inc. 351,475; Nov. 2; Serial No. 386,484; published Aug. 24, 1937.
Cutlery, machinery, and tools and parts thereof. John Chatillon & Sons. 119,505; renewed Nov. 27, 1937.
Garage and service station equipment. Modern Equipment Corporation. 351,446; Nov. 2; Serial No. 375,594; published June 9, 1936.
Gears and other light pressure gearing and parts of machines, etc., Timing. Wilmington Fibre Specialty Company. 351,630; Nov. 2; Serial No. 394,208; published Aug. 24, 1937.
Handles for hand implements. American Fork & Hoe Company. 351,723; Nov. 2.
Knives. John Chatillon & Sons. 119,506–7; renewed Nov. 27, 1937.
Machines and tools for moistening, serving, or applying adhesive or gummed tape, etc. Nashua Package Sealing Co. 351,556; Nov. 2; Serial No. 393,043; published Aug. 24, 1937.
Pillow blocks. Ahlberg Bearing Company. 351,604; Nov. 2; Serial No. 393,932; published Aug. 17, 1937.
Power transmission machinery. Allis-Chalmers Manufacturing Company. 351,546; Nov. 2; Serial No. 392,831; published Aug. 24, 1937.
Razor blades. F. Harvey. 351,685; Nov. 2; Serial No. 394,664; published Aug. 24, 1937.

Sewer cleaning equipment, tools and parts thereof. H. R. Crane. 351,734; Nov. 2.

CLASS 24

Washing machines, Laundry. Mystery Manufacturing Company. 351,688; Nov. 2; Serial No. 394,796; published Aug. 24, 1937.
Washing machines, Laundry. Nineteen Hundred Corporation. 351,512; Nov. 2; Serial No. 390,861; published Aug. 24, 1937.

CLASS 26

Cameras, Photographic. L. F. Kleinfeld. 351,731; Nov. 2.
Detection devices for leakage of gas, etc. National Carbon Company. 351,633; Nov. 2; Serial No. 394,244; published Aug. 24, 1937.
Meters and condensation meters, Steam flow. American District Steam Company. 351,686; Nov. 2; Serial No. 394,691; published Aug. 24, 1937.
Meters, Fluid. Pittsburgh Equitable Meter Company. 351,634–5; Nov. 2; Serial Nos. 394,249–50; published Aug. 24, 1937.
Meters, Mechanical flow. Builders Iron Foundry. 351,655; Nov. 2; Serial No. 394,370; published Aug. 24, 1937.
Spectacles, goggles, etc. Marine Optical Mfg. Co. 351,674; Nov. 2; Serial No. 394,497; published Aug. 24, 1937.

CLASS 27

Watches. Cypres Watch Company. 351,496; Nov. 2; Serial No. 389,776; published Aug. 24, 1937.
Watches and clocks. Longines-Wittnauer Co. Inc. 351,709; Nov. 2; Serial No. 395,137; published Aug. 24, 1937.

CLASS 30

Chinaware, Table. Carson Pirie Scott & Company. 351,517; Nov. 2; Serial No. 391,111; published Aug. 24, 1937.

CLASS 31

Filters for dry-cleaning solvent. Band Box Corporation. 351,726; Nov. 2.

CLASS 32

Spring units, Inner. Englander Spring Bed Co. Inc. 351,660; Nov. 2; Serial No. 394,406; published Aug. 24, 1937.
Tables, folding banquet tables, folding chairs, etc., Folding card. Brewer-Titchener Corporation. 351,488; Nov. 2; Serial No. 388,762; published Aug. 24, 1937.

CLASS 33

Crystals, Watch. C. G. Halbert. 351,570; Nov. 2; Serial No. 393,488; published Aug. 24, 1937.

CLASS 34

Air conditioning machines. Carraway-Byrd Corporation. 351,542; Nov. 2; Serial No. 392,787; published Aug. 24, 1937.
Blowers, blower cabinets, filters, etc. Lennox Furnace Company. 351,482; Nov. 2; Serial No. 387,471; published Mar. 30, 1937.
Condenser tubes. Phelps Dodge Copper Products Corporation. 351,503; Nov. 2; Serial No. 390,421; published Aug. 24, 1937.
Heating and ventilating units. Ford-Aire Inc. 351,522; Nov. 2; Serial No. 391,788; published Aug. 24, 1937.
Stoves, ranges, and heating furnaces, Heating and cooking. Allied Stores Corporation. 351,534; Nov. 2; Serial No. 392,406; published Aug. 24, 1937.
Stoves, ranges, furnaces, etc. Union Stove Works Inc. 351,528; Nov. 2; Serial No. 392,172; published Aug. 24, 1937.

CLASS 35

Piston rings. Perfect Circle Company. 351,628; Nov. 2; Serial No. 394,188; published Aug. 24, 1937.
Tires and inner tubes therefor. Goodyear Tire & Rubber Company. 351,642; Nov. 2; Serial No. 394,280; published Aug. 24, 1937.

CLASS 36

Pianos. Hardman, Peck & Company. 351,687; Nov. 2; Serial No. 394,707; published Aug. 24, 1937.
Pianos. Kohler & Campbell, Inc. 351,624; Nov. 2; Serial No. 394,135; published Aug. 24, 1937.

CLASS 37

Paper, envelopes, compendiums, Writing. John Dickinson & Co. 351,594; Nov. 2; Serial No. 393,840; published Aug. 3, 1937.
Paper, Transfer. McLaurin-Jones Co. 351,650; Nov. 2; Serial No. 394,337; published Aug. 24, 1937.
Papers, Plate finish tag, bristol, and cover. Detroit Sulphite Pulp & Paper Co. 351,455; Nov. 2; Serial No. 380,623; published Aug. 24, 1937.
Tags and labels, Combined merchandising. H. P. Knoble. 351,588; Nov. 2; Serial No. 393,771; published Aug. 24, 1937.
Tissues, Facial. S. H. Kress and Company. 351,722; Nov. 2.

CLASS 39

Apparel, Wearing. A. M. Webb & Co. 351,459–60; Nov. 2; Serial Nos. 382,142–3; published Oct. 27, 1936.
Coats and suits, Women's. Printz-Biederman Company. 351,653; Nov. 2; Serial No. 394,348; published Aug. 17, 1937.
Coats, Riding. Joseph Greenberg & Co. 351,568; Nov. 2; Serial No. 393,422; published Aug. 24, 1937.
Coats, sports coats and sweaters, Partly knitted and partly woven pull-over. New York Knitting Mills, Inc. 351,586; Nov. 2; Serial No. 393,727; published Aug. 24, 1937.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 351,644; Nov. 2; Serial No. 394,308; published Aug. 17, 1937.
Dresses and frocks. Donnelly Garment Company. 351,641; Nov. 2; Serial No. 394,276; published Aug. 17, 1937.
Dresses, Children's. S. Wieder Co. Inc. 351,612; Nov. 2; Serial No. 394,010; published Aug. 17, 1937.
Dresses, rompers, and play-suits, Children's. Rosenau Bros., Inc. 351,643; Nov. 2; Serial No. 394,306; published Aug. 17, 1937.
Garments, Sleeping. R. H. Macy & Co. 351,585; Nov. 2; Serial No. 393,720; published Aug. 17, 1937.
Hosiery. Julius Kayser & Co. 351,549; Nov. 2; Serial No. 392,926; published Aug. 17, 1937.
Hosiery. Largman, Gray Company. 351,071; Nov. 2; Serial No. 394,493; published Aug. 24, 1937.
Hosiery. Van Raalte Company. 351,597; Nov. 2; Serial No. 393,880; published Aug. 17, 1937.
Jackets, etc., Ski, skating, and sport. I. C. Isaacs & Company. 351,576; Nov. 2; Serial No. 393,597; published Aug. 17, 1937.
Overalls, Cowboy or waist band. H. D. Lee Mercantile Co. 351,518; Nov. 2, 1937; Serial No. 391,230; published Aug. 17, 1937.
Pajamas and negligees. Friedlander Bros. Inc. 351,679; Nov. 2; Serial No. 394,532; published Aug. 24, 1937.
Pants, overalls, shirts, etc. Mason & Hughes. 351,562; Nov. 2; Serial No. 393,339; published Aug. 24, 1937.
Shirts and underwear, Outer. Cluett, Peabody & Co. 351,572; Nov. 2; Serial No. 393,581; published Aug. 17, 1937.
Shirts, Men's. Wilson Brothers. 351,470; Nov. 2; Serial No. 385,079; published Aug. 24, 1937.
Slips, Women's. W. T. Grant Company. 351,737; Nov. 2.
Suits, Men's and boys'. Curlee Clothing Company. 351,587; Nov. 2; Serial No. 393,754; published Aug. 17, 1937.
Suits, Men's and women's. Supertex Clothes, Inc. 351,559; Nov. 2; Serial No. 393,238; published Aug. 24, 1937.
Sweaters and sport jackets. Bofinger & Klingler, Inc. 351,571; Nov. 2; Serial No. 393,573; published Aug. 17, 1937.
Underwear, Women's and children's. Godfried Underwear Co. Inc. 351,614; Nov. 2; Serial No. 394,033; published Aug. 17, 1937.
Underwear, Women's, misses', and children's. Van Raalte Company. 351,637; Nov. 2; Serial No. 394,263; published Aug. 24, 1937.
Underwear, Women's, misses', and children's. Van Raalte Company. 351,638; Nov. 2; Serial No. 394,264; published Aug. 17, 1937.

CLASS 40

Hair-curlers. Rieser Co. 121,001; renewed Mar. 19, 1938.

CLASS 42

Canvas cloth in the piece. Lesem Bach & Co. Incorporated. 351,696; Nov. 2; Serial No. 394,843; published Aug. 24, 1937.
Cotton piece goods. A. E. Nathan Company. 351,593; Nov. 2; Serial No. 393,829; published Aug. 24, 1937.
Cotton piece goods. Pacific Mills. 120,514; renewed Feb. 12, 1938.
Cotton piece goods. Pacific Mills. 120,898; renewed Mar. 12, 1938.
Cotton piece goods. Pacific Mills. 120,996; renewed Mar. 19, 1938.
Curtains, drapes, hangings, and portieres, Fabric. Crown Curtain Mills, Inc. 351,567; Nov. 2; Serial No. 393,416; published Aug. 24, 1937.
Damask, Table. Sears, Roebuck and Co. 351,690; Nov. 2; Serial No. 394,812; published Aug. 24, 1937.
Fabrics, Pile. Sidney Blumenthal & Co. Inc. 351,678; Nov. 2; Serial No. 394,528; published Aug. 24, 1937.
Fabrics, Textile. Cheney Brothers. 351,521; Nov. 2; Serial No. 391,623; published Aug. 24, 1937.
Linen fabrics in the piece. H. Lubow. 351,673; Nov. 2; Serial No. 394,496; published Aug. 24, 1937.
Piece goods. Marvlo Mills, Inc. 351,682; Nov. 2; Serial No. 394,623; published Aug. 24, 1937.
Piece goods. Pomona Manufacturing Company. 351,720; Nov. 2.
Ribbons. Rice-Stix Dry Goods Company. 119,982; renewed Dec. 25, 1937.
Sheets, pillow cases, and tubing. Carson, Pirie, Scott & Co. 119,170; renewed Oct. 30, 1937.
Sheets, pillow cases, blankets, etc. J. C. Penney Company. 351,689; Nov. 2; Serial No. 394,801; published Aug. 24, 1937.

Upholstery and drapery trimmings. Consolidated Trimming Corporation. 351,582–3; Nov. 2; Serial Nos. 393,699–700; published Aug. 24, 1937.
Woolen piece goods and piece goods of wool and animal hair. New York Knitting Mills, Inc. 351,666; Nov. 2; Serial No. 394,468; published Aug. 24, 1937.

CLASS 43

Thread and yarns. "Snia-Viscosa" Societa Nazionale Industria Applicazioni Viscosa. 351,495; Nov. 2; Serial No. 389,484; published June 29, 1937.
Threads, yarns, and novelty yarns. National Silk Co. 351,609; Nov. 2; Serial No. 393,998; published Aug. 17, 1937.
Yarn. American Silk Spinning Co. 351,621; Nov. 2; Serial No. 394,116; published Aug. 17, 1937.
Yarns. Fleisher Yarns, Inc. 351,662–3; Nov. 2; Serial Nos. 394,411–12; published Aug. 17, 1937.
Yarns. Bernhard Ulmann Co. Inc. 351,664; Nov. 2; Serial No. 394,439; published Aug. 17, 1937.
Yarns, Woolen. Eastyarn, Inc. 351,447; Nov. 2; Serial No. 377,386; published Aug. 17, 1937.

CLASS 44

Dentures and other types of dental prostheses. Coe Laboratories, Inc. 351,451; Nov. 2; Serial No. 378,826; published Aug. 24, 1937.
Hair dryers, Electric. Wm. Meyer Company. 351,467; Nov. 2; Serial No. 384,809; published Aug. 24, 1937.
Pads used in permanent waving. American Hair Design Institute. 351,538; Nov. 2; Serial No. 392,577; published Aug. 24, 1937.
Prophylactic membranous articles. L. Schwarz. 351,441; Nov. 2; Serial No. 369,590; published Nov. 19, 1935.
Tampons, Hygienic vaginal. H. L. Seltzer. 351,700; Nov. 2; Serial No. 394,914; published Aug. 24, 1937.

CLASS 45

Beverage. T. P. Avlon. 351,560; Nov. 2; Serial No. 393,250; published Aug. 24, 1937.
Beverages. Island Road Bottling Co. 351,725; Nov. 2.
Beverages, and syrups and extracts for making the same. Nehi, Inc. 351,710; Nov. 2; Serial No. 395,143; published Aug. 24, 1937.
Beverages, Certain non-alcoholic. Chippewa Springs Corporation. 119,429; renewed Nov. 20, 1937.
Grapefruit drink and bases and sirups and extracts for making same. Citrus Club Products, Incorporated. 351,623; Nov. 2; Serial No. 394,123; published Aug. 24, 1937.

CLASS 46

Baking powder. Federal Yeast Corporation. 351,573–4; Nov. 2; Serial Nos. 393,587–8; published Aug. 24, 1937.
Bread. Aktieb. Skellefteå Spisbrödsfabrik. 351,483; Nov. 2; Serial No. 387,484; published Aug. 3, 1937.
Butter. Smith, Richardson & Conroy, Inc. 351,729; Nov. 2.
Butter, cheese, and eggs. H. A. Hovey & Co. 351,730; Nov. 2.
Cakes and cookies, assorted, crackers, etc., Assorted. Detroit Biscuit Company. 351,532; Nov. 2; Serial No. 392,262; published Aug. 24, 1937.
Candies. Ira Wilson & Sons Dairy Company. 351,578; Nov. 2; Serial No. 393,627; published Aug. 24, 1937.
Candy. Elizabeth Maxwell Candies. 351,601; Nov. 2; Serial No. 393,914; published Aug. 24, 1937.
Canned and bottled fruits, vegetables and fish of all kinds. Mitsubishi Shoji Kaisha, Ltd. 351,461; Nov. 2; Serial No. 382,389; published July 6, 1937.
Canned figs. Beckwith Packing Corporation. 351,692; Nov. 2; Serial No. 394,821; published Aug. 24, 1937.
Canned salmon. Shield Foods, Inc. 351,659; Nov. 2; Serial No. 394,389; published Aug. 24, 1937.
Canned tomatoes, canned grapefruit, and canned grapefruit juice. J. W. Welch Co. 351,735; Nov. 2.
Chicken and accompanying toasted bread, Prepared fried. G. W. King. 351,513; Nov. 2; Serial No. 390,922; published Aug. 24, 1937.
Coffee. Leadway Stores Corporation. 351,708; Nov. 2; Serial No. 395,136; published Aug. 24, 1937.
Coffee, cinnamon, tea, etc. S. M. Newmark. 118,215; renewed Aug. 21, 1937.
Fish, S. Lemzner. 351,477; Nov. 2; Serial No. 386,618; published Aug. 24, 1937.
Flavoring and coloring preparations, Powdered or granular. Kitchen Art Foods Inc. 351,428; Nov. 2; Serial No. 363,223; published Aug. 24, 1937.
Flour, bread, and crackers, All wheat. R. A. Hunter. 351,501; Nov. 2; Serial No. 390,212; published Aug. 24, 1937.
Flour, rye-flour, self-rising and prepared flour, Wheat. Southwestern Milling Co. Inc. 119,808; renewed Dec. 11, 1937.
Flour, Wheat. Fisher Flouring Mills Company. 351,703–5; Nov. 2; Serial Nos. 395,027–9; published Aug. 24, 1937.
Food preparations. M. E. Bjorklund. 351,480; Nov. 2; Serial No. 386,673; published Aug. 24, 1937.
Mayonnaise dressing, 1000 island dressing, tamales, etc. H. Akin. 351,590; Nov. 2; Serial No. 393,791; published Aug. 24, 1937.
Milk, chocolate milk, butter, etc. J. G. Van Korngut. 351,558; Nov. 2; Serial No. 393,096; published Aug. 24, 1937.
Nuts. Awful Fresh MacFarlane. 351,691; Nov. 2; Serial No. 394,818; published Aug. 24, 1937.
Preparation for use in compounding so-called stuffings for chickens, etc., Prepared. Cruit and Schneider. 351,481; Nov. 2; Serial No. 387,240; published Aug. 24, 1937.
Vegetables, Fresh. Monteleone-Michel Co. 351,697; Nov. 2; Serial No. 394,851; published Aug. 24, 1937.

CLASS 47

Wines. R & O Wine Co. Inc. 351,443; Nov. 2; Serial No. 372,855; published Aug. 24, 1937.

CLASS 48

Beer. Koller Brewing Company, Inc. 351,598; Nov. 2; Serial No. 393,884; published Aug. 24, 1937.
Beer. Southern Brewing Company. 351,721; Nov. 2.
Beer, ale, and porter. Fidelio Brewery, Inc. 351,661; Nov. 2; Serial No. 394,409; published Aug. 24, 1937.
Malt and/or wheat syrup. Wallerstein Company. 351,565; Nov. 2; Serial No. 393,401; published Aug. 24, 1937.
Malt beverages. Old Dutch Brewers, Inc. 351,706; Nov. 2; Serial No. 395,047; published Aug. 24, 1937.
Malt preparation, Diastatic. Wallerstein Company. 351,566; Nov. 2; Serial No. 393,402; published Aug. 24, 1937.

CLASS 49

Brandy. Nicholson Bros. & Karos, Inc. 351,610; Nov. 2; Serial No. 394,000; published Aug. 24, 1937.
Gin. G. F. Heublein & Bro. 351,607; Nov. 2; Serial No. 393,984; published Aug. 24, 1937.
Liqueurs, Alcoholic. Tom Collins Corporation. 351,553; Nov. 2; Serial No. 393,007; published Aug. 24, 1937.
Liquors, Alcoholic. Ben-Burk, Inc. 351,462; Nov. 2; Serial No. 383,051; published Oct. 13, 1936.
Rum. Capitol Wine & Spirit Corp. 351,693; Nov. 2; Serial No. 394,824; published Aug. 24, 1937.
Rum, Old Collins Company, Inc., Distillers. 351,724; Nov. 2.
Rum. R. Vega e Hijos, Inc. 351,487; Nov. 2; Serial No. 388,736; published Aug. 3, 1937.
Whiskey. Baltimore Pure Rye Distilling Company. 351,701; Nov. 2; Serial No. 394,970; published Aug. 24, 1937.
Whiskey. Bloomingdale Bros., Inc. 351,527; Nov. 2; Serial No. 392,078; published Aug. 24, 1937.
Whiskey. Bon-Ton, Incorporated. 351,600; Nov. 2; Serial No. 391,303; published Aug. 3, 1937.
Whiskey. Frankfort Distilleries, Incorporated. 351,445; Nov. 2; Serial No. 374,787; published Apr. 21, 1936.
Whiskey. Frankfort Distilleries, Incorporated. 351,463; Nov. 2; Serial No. 383,523; published Nov. 3, 1936.
Whiskey. Krogman Distilling Co. 351,712–3; Nov. 2; Serial Nos. 395,300–1; published Aug. 24, 1937.
Whiskey. Alvin S. Loeb Corp. 351,608; Nov. 2; Serial No. 393,994; published Aug. 24, 1937.
Whiskey. Monongahela Rye Liquors, Incorporated. 351,580; Nov. 2; Serial No. 393,660; published Aug. 24, 1937.
Whiskey. Pacific Wine and Spirits Company. 351,652; Nov. 2; Serial No. 394,344; published Aug. 24, 1937.
Whiskey, gin, rum, etc. United Distillers Limited. 351,733; Nov. 2.

CLASS 50

Matrix, dry mat or board used in stereotyping and electrotyping. Silvertone Process Corporation. 351,645; Nov. 2; Serial No. 394,310; published Aug. 24, 1937.
Monuments, stone memorials, stone tablets, etc., Stone. Southern Quarrying Company. 351,592; Nov. 2; Serial No. 393,823; published Aug. 24, 1937.

LIST OF LABELS

Aimcee Hair Net. For Hair Nets. Glemby Company. 50,325–6; Nov. 2.
Antiseptic Dob-Ene Lens Cleaner. For Lens Cleaners. Dob-Ene Company. 50,317; Nov. 2.
Bine Ribbon Standard Staples. For Staples. Markwell Manufacturing Company. 50,335; Nov. 2.
Cardinal. For Carbon Paper and Typewriter Ribbons. Miller-Bryant-Pierce Company. 50,341; Nov. 2.
Chiquita. For Canned Pineapple. Arthur Serra & Company. 50,347; Nov. 2.
Cofio. For Partially Defatted, Cooked Cottonseed Flour. Traders Oil Mill Co. 50,348; Nov. 2.
Cuban Beauty. For Canned Pineapple. Arthur Serra & Company. 50,346; Nov. 2.
Day and Night. For Silk Stockings. Gotham Silk Hosiery Company. 50,330–1; Nov. 2.
Dwarfies Jumbo Rice. For a Rice Cereal. Dwarfies Corporation. 50,319; Nov. 2.
Dwarfies Jumbo Wheat. For a Wheat Cereal. Dwarfies Corporation. 50,318; Nov. 2.

Fisher's Four Roses Coffee. For Coffee. Fisher Brothers Company. 50,320; Nov. 2.
Fortune House Furnishings. For House Furnishings. Meier & Frank Company. 50,338; Nov. 2.
Fusetrons. For Combination Fuses and Thermal Cutouts. McGraw Electric Company. 50,336–7; Nov. 2.
Hair Net. For Hair Nets. Glemby Company. 50,322; Nov. 2.
Holsum White Sliced Bread. For Bread. S. J. Knight. 50,333; Nov. 2.
House Underwear. For a Primer. Cook Paint & Varnish Company. 50,315; Nov. 2.
Jean Hair Net. For Hair Nets. Glemby Company. 50,323; Nov. 2.
King's Pride. For Canned, Whole Tomatoes. King Packing Company. 50,332; Nov. 2.
La Marcelle Hair Net. For Hair Nets. Glemby Company. 50,328; Nov. 2.
Lorraine Roll and Puff Foundation. For Roll and Puff Foundations for Ladies' Hair. Glemby Company. 50,329; Nov. 2.
Minervite. For Biologically Standardized Vitamin and Mineral Capsules. Minervite Vitamin Company. 50,342–3; Nov. 2.
No Rubbing Wax. For a No Rubbing Wax for Linoleum, Tile, Hardwood, and Other Types of Floors. O-Cedar Corp'n. 50,345; Nov. 2.
Noble Lady Hair Net. For Hair Nets. Glemby Company. 50,327; Nov. 2.
O-Cedar Self-Polishing Wax. For a Self-Polishing Wax for all Floors. O-Cedar Corp'n. 50,344; Nov. 2.
Plastic Plate. For Plastic Plate Material. Michigan Cellulose Corporation. 50,340; Nov. 2.
Pogue Hair Net. For Hair Nets. Glemby Company. 50,321; Nov. 2.
Sulphasol Best in Show Shampoo. For Shampoo for Dogs. A. Lepine. 50,334; Nov. 2.
The House of a Million Nuts The Sweetest Spot in Town You Will Like My Stuff. For Candy, Chocolates and Nuts. Awful Fresh MacFarlane. 50,311; Nov. 2.
The Underwear for Houses. For a Primer. Cook Paint & Varnish Company. 50,312; Nov. 2.
The Underwear for Houses. For a Superwhite Primer. Cook Paint & Varnish Company. 50,314; Nov. 2.
This Hair Net is Guaranteed to be Perfect. For Hair Nets. Glemby Company. 50,324; Nov. 2.
Underwear. For House Paint. Cook Paint & Varnish Company. 50,316; Nov. 2.
Underwear. For a Surface Primer. Cook Paint & Varnish Company. 50,313; Nov. 2.
Union Glass Cleaner. For a Glass Cleaning Fluid. Union Oil Company of California. 50,349; Nov. 2.
Worthmore Pasteurized Creamery Butter. For Butter. Menasha Products Company. 50,339; Nov. 2.

LIST OF PRINTS

A Bright Idea for Dark Breads. For Partially Defatted, Cooked Cottonseed Flour. Traders Oil Mill Co. 16,562; Nov. 2.
All Three in One. For Bread. William A. Schautz Advertising Agency. 16,546; Nov. 2.
An Old-Time Favorite. For Beer. Pfeiffer Brewing Company. 16,544; Nov. 2.
Ask Your Grocer For —. For Bread. William A. Schautz Advertising Agency. 16,547; Nov. 2.
Every Slice has a Golden Glow. For Bread. William A. Schautz Advertising Agency. 16,548; Nov. 2.
Fight Team. Fight. For Wheat Breakfast Food. Cream of Wheat Corporation. 16,541; Nov. 2.
Flavor-Sealed. For Bread. William A. Schautz Advertising Agency. 16,549; Nov. 2.
From the Sunny Countryside. For Bread. William A. Schautz Advertising Agency. 16,550; Nov. 2.
Here's How Bricker's Bread. For Bread. William A. Schautz Advertising Agency. 16,551; Nov. 2.
How to Use Canute Water. For a Hair Coloring Preparation, a Hair Tonic, and a Shampoo. Canute Co. 16,539; Nov. 2.
How Would You Like to Dive. For Typewriters. Underwood Elliott Fisher Company. 16,563; Nov. 2.
If Bread Grew on Trees. For Bread. William A. Schautz Advertising Agency. 16,552; Nov. 2.
If Tastes Better, It Toasts Better. For Bread. William A. Schautz Advertising Agency. 16,553; Nov. 2.
Like an Orange. For Bread. William A. Schautz Advertising Agency. 16,554; Nov. 2.
Malt-O 'The Chocolate Malt Drink. For a Chocolate Malt Drink. Puro Products Co. 16,545; Nov. 2.
More Delicious, More Nutritious. For Bread. William A. Schautz Advertising Agency. 16,555; Nov. 2.
Mother Nature. For Bread. William A. Schautz Advertising Agency. 16,556; Nov. 2.
Now Betty Crocker Offers You Her "De-Luxe" Gingerbread! (With Variations). For Flour. General Mills, Inc. 16,542; Nov. 2.
Old-Time . . . Craftsmanship. For Beer. Pfeiffer Brewing Company. 16,543; Nov. 2.
Our Recipe Calls For. For Bread. William A. Schautz Advertising Agency. 16,557; Nov. 2.
See the Golden Glow. For Bread. William A. Schautz Advertising Agency. 16,558; Nov. 2.
The Early Statement Gets the Cash. For Typewriters. Underwood Elliott Fisher Company. 16,564; Nov. 2.
Three Sisters Cleansing Pads. For an Instant Facial Cleansing Pad. Clark-Millner Company. 16,540; Nov. 2.
Today! Your Grocer Has. For Bread. William A. Schautz Advertising Agency. 16,559; Nov. 2.
We Took a Tip from Nature. For Bread. William A. Schautz Advertising Agency. 16,560; Nov. 2.
We Took a Tip from Women. For Bread. William A. Schautz Advertising Agency. 16,561; Nov. 2.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blair, Russell M. (See Jarvis, K. W. and Blair.)
Combustion Engineering Company. (See Crites, Joe, assignor.)
Crites, Joe, Evanston, Ill., assignor, by mesne assignments, to Combustion Engineering Company, Inc. Separator. 20,543; Nov. 2.
Griffith, Charles W., assignor, by mesne assignments, to Rayolite Rifle Range Company, Tulsa, Okla. Shooting gallery. 20,544; Nov. 2.
Jarvis, Kenneth W., New Rochelle, N. Y., and R. M. Blair, Teaneck, N. J. Electron tube. 20,545; Nov. 2.
Norton Company. (See Ridgway, Raymond R., assignor.)
Otis, Herbert C., Dallas, Tex. Well tool. 20,546; Nov. 2.
Rayolite Rifle Range Company. (See Griffith, Charles W., assignor.)
Ridgway, Raymond R., Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass. Making crystalline alumina and a product containing the same. 20,547; Nov. 2.

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Aimes, Francis M., Yonkers, N. Y. Pen and pencil holder. 106,752; Nov. 2.
Aimes, Francis M., Yonkers, N. Y. Pen and pencil holder. 106,753; Nov. 2.
Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Carpet sweeper. 106,754; Nov. 2.
Anderson, Charles A., New Rochelle, assignor to Gotham Pressed Steel Corporation, New York, N. Y. Carpet sweeper. 106,755; Nov. 2.
Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Coffee maker. 106,778; Nov. 2.
Andre, William, Brussels, Wis. Pan or similar article. 106,779; Nov. 2.
Apex Pinking Machine, Inc. (See Herschman, Harry C., assignor.)
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Combined pyrophoric lighter and cigarette container. 106,756; Nov. 2.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Atlantic Rug Co. (See Bemporad, Richard F., assignor.)
Barofsky, Jack, Brooklyn, N. Y. Motor vehicle. 106,813; Nov. 2.
Bemporad, Richard F., Forest Hills, Long Island, assignor to Atlantic Rug Co., Inc., New York, N. Y. Rug. 106,757; Nov. 2.
Benjamin Electric Mfg. Company. (See Phillips, Paul D., assignor.)
Bentz, George B., New York, N. Y. Bathroom stool. 106,780; Nov. 2.
Boyles, Frank M., Brooklyn, assignor to Coffee Products Corporation, New York, N. Y. Coffee dispenser. 106,781; Nov. 2.
Brewer, Charles A., Noroton Heights, Conn. Telescopic viewing stand or similar article. 106,758; Nov. 2.
Cascardo, Loretta M., North Bergen, N. J. Smock. 106,824; Nov. 2.
Casey, Irene M., Oakland, Calif. Artificial tree ornament. 106,751; Nov. 2.
Ciccone, Elizabeth M., New York, N. Y. Dress ensemble. 106,825; Nov. 2.
Coffee Products Corporation. (See Boyles, Frank M., assignor.)
Cohen, Phil, New York, N. Y. Dress. 106,839; Nov. 2.
Cohen, Phil, New York, N. Y. Dress. 106,840; Nov. 2.
Cohen, Phil, New York, N. Y. Dress. 106,841; Nov. 2.
Coleman, Tora, New York, N. Y. Dress. 106,842; Nov. 2.
Coleman, Tora, New York, N. Y. Dress. 106,843; Nov. 2.
Connor, Martha H., Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del. Cake box. 106,759; Nov. 2.
Cordy, Ivor, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Jar. 106,814; Nov. 2.
De Benque, Joseph D., New York, N. Y. Combined tray and beverage container holder. 106,782; Nov. 2.
Dictograph Products Company. (See Sears, Sterling G., assignor.)
Dieffenbach, Otto W., Baltimore, Md. Carton for transparent drinking straws. 106,826; Nov. 2.
Dorée, Silvia, New York, N. Y. Buckle. 106,783; Nov. 2.
Dorée, Silvia, New York, N. Y. Buckle. 106,784; Nov. 2.
Dorée, Silvia, New York, N. Y. Buckle. 106,785; Nov. 2.
Emmey, Charles, New York, N. Y. Embroidered decorative alphabet for forming monograms for wearing apparel or similar article. 106,760; Nov. 2.
Emmey, Charles, New York, N. Y. Embroidered decorative alphabet for forming monograms for wearing apparel or similar article. 106,786; Nov. 2.
Everedy Company, The. (See Hutcheson, Ray R., assignor.)
Exelmans, Maurice, Paris, France, assignor to Verlys of America, Inc., New York, N. Y. Vase. 106,787; Nov. 2.
Fischer, Charles, Newark, N. J. Pan patch. 106,788; Nov. 2.
Flynn, Thomas J., and C. G. McClintock, Detroit, Mich. Button or similar article. 106,761; Nov. 2.
Fried, Benjamin, New York, N. Y. Dress. 106,815; Nov. 2.
Fuld, Horace A., New York, N. Y. Ashtray. 106,762; Nov. 2.
Gade, Harald F., Philadelphia, assignor to Standard Pressed Steel Co., Jenkintown, Pa. Pencil. 106,789; Nov. 2.
Gibson, Guy T., New York, N. Y. Combined box and display stand. 106,827; Nov. 2.
Gilbert, Dave, New York, N. Y. Shoe. 106,763; Nov. 2.
Gilbert, Dave, New York, N. Y. Shoe. 106,764; Nov. 2.
Gilbert, Dave, New York, N. Y. Shoe. 106,765; Nov. 2.
Gotham Pressed Steel Corporation. (See Anderson, Charles A., assignor.)
Guerlain Perfumery Corporation of Delaware. (See Guerlain, Raymond, assignor.)
Guerlain, Raymond, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del. Carton. 106,790; Nov. 2.
Gurrieri, Louis, and S. Gurrieri, New York, N. Y. Fishing reel. 106,828; Nov. 2.
Gurrieri, Salvatore. (See Gurrieri, Louis, and S.)
Hand, Thomas L., Cincinnati, Ohio, assignor to F. L. Talge, doing business under the name and style of Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 106,766; Nov. 2.
Hazel-Atlas Glass Company. (See Cordy, Ivor, assignor.)
Heiser, Harry J., New York, N. Y. Shoe. 106,767; Nov. 2.
Heiser, Harry J., New York, N. Y. Shoe. 106,768; Nov. 2.
Herschman, Harry C., Wheaton, assignor to Apex Pinking Machine, Inc., Chicago, Ill. Pinking machine. 106,816; Nov. 2.
Hurzeler, Alphons, New Rochelle, N. Y. Shoe. 106,769; Nov. 2.
Hutcheson, Ray R., assignor to The Everedy Company, Frederick, Md. Cigarette box. 106,770; Nov. 2.
Hutcheson, Ray R., assignor to The Everedy Company, Frederick, Md. Cigarette box. 106,771; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Sugar bowl or similar article. 106,791; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Milk pitcher or similar article. 106,792; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Tumbler or similar article. 106,793; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Combined butter and almond tub or similar article. 106,794; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Deep bowl or similar article. 106,795; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Nappy or similar article. 106,796; Nov. 2.
Ilgenfritz, Curtis B., and E. E. Slick, Jr., assignors to United States Glass Company, Pittsburgh, Pa. Oval relish tray or similar article. 106,797; Nov. 2.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 106,829; Nov. 2.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 106,830; Nov. 2.

Jaccarino, Concetta, Brooklyn, N. Y. Dress. 106,831; Nov. 2.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 106,832; Nov. 2.
Jarvis, W. B., Company. (See Ruppel, Frederick C., assignor.)
Jebally, James N., New York, N. Y. Negligee. 106,772; Nov. 2.
Johnson, William T., New Brighton, assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. 106,773; Nov. 2.
Kalmis, Isidor, New York, N. Y. Dress. 106,844; Nov. 2.
Kaufman, Sam, Brooklyn, N. Y. Upholstered chair or similar article. 106,798; Nov. 2.
Kranz, Max P., New York, N. Y. Dress. 106,845; Nov. 2.
Kranz, Max P., New York, N. Y. Dress. 106,846; Nov. 2.
Kranz, Max P., New York, N. Y. Dress. 106,847; Nov. 2.
Kranz, Max P., New York, N. Y. Dress. 106,848; Nov. 2.
Kranz, Max P., New York, N. Y. Dress. 106,849; Nov. 2.
Krupp, Herman, Seattle, Wash. Charm. 106,799; Nov. 2.
Landers, Frary & Clark. (See Anderson, Oscar M., assignor.)
Langslow, Esther A. S., New York, N. Y. Pipe holder. 106,800; Nov. 2.
Lederer, Hortense V., and F. Stanton, assignors to Wimpy Grills of Illinois, Inc., Chicago, Ill. Store front. 106,801; Nov. 2.
Lehman, Carl E., Chicago, Ill. Display stand. 106,833; Nov. 2.
Levy, Ben R., New York, N. Y. Textile fabric. 106,802; Nov. 2.
Lorr Laboratories, Inc. (See Reynolds, Edwin T., assignor.)
Ludwig, Louis, Brooklyn, N. Y. Electric lamp for ranges and the like. 106,803; Nov. 2.
MacCowan, Hervey L., Wilmette, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 106,817; Nov. 2.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bookend. 106,804; Nov. 2.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bookend. 106,805; Nov. 2.
Maisch, Jacques E., assignor to National Fabrics Corporation, New York, N. Y. Textile fabric. 106,806; Nov. 2.
Maisch, Jacques E., assignor to National Fabrics Corporation, New York, N. Y. Textile fabric. 106,807; Nov. 2.
Mayer China Company. (See Johnson, William T., assignor.)
McClintock, Charles G. (See Flynn, T. J., and McClintock.)
McGlone, John J., assignor to Whiting Corporation, Harvey, Ill. Stoker or the like. 106,818; Nov. 2.
Morris, Abranam, New York, N. Y. Dress or similar article. 106,834; Nov. 2.
Nagel-Chase Mfg. Co., The. (See MacCowan, Hervey L., assignor.)
National Fabrics Corporation. (See Maisch, Jacques E., assignor.)
Owens-Illinois Can Company. (See Connor, Martha H., assignor.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Perlman, Edward, Niles Center, Ill. Upper bowl cover for a coffee brewer or similar article. 106,808; Nov. 2.
Phillips, Paul D., Elmhurst, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting fixture. 106,774; Nov. 2.
Poster, Sidney J., New York, N. Y. Dress. 106,850; Nov. 2.
Prouty, Willis O., Hermosa Beach, Calif. Tile. 106,809; Nov. 2.
Puciloski, Benjamin, Cicero, Ill. Display medallion or similar article. 106,810; Nov. 2.
Rapids, Felix R., Chicago, Ill. Brush. 106,819; Nov. 2.
Reynolds, Edwin T., West Englewood, assignor to Lorr Laboratories, Inc., Paterson, N. J. Container cap. 106,820; Nov. 2.
Rival Manufacturing Company. (See Hand, Thomas L.)
Ruppel, Frederick C., assignor to W. B. Jarvis Company, Grand Rapids, Mich. Door handle. 106,821; Nov. 2.
Samson-United Corporation. (See Samuels, Abe O., assignor.)
Samuels, Abe O., assignor to Samson-United Corporation, Rochester, N. Y. Supporting bracket for electric fans. 106,822; Nov. 2.
Schlessel, Philip, New York, N. Y. Dress. 106,851; Nov. 2.
Sears, Sterling G., Garden City, assignor to Dictograph Products Company, Inc., New York, N. Y. Hearing aid amplifier casing. 106,823; Nov. 2.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 106,775; Nov. 2.
Slick, Edwin E., Jr. (See Ilgenfritz, C. B., and Slick.)
Speck, Kurt, Irvington, N. J. Combined refrigerator casing and container unit. 106,811; Nov. 2.
Standard Pressed Steel Co. (See Gade, Harald F., assignor.)
Stanton, Frederick. (See Lederer, H. V., and Stanton.)
Sterngold, Harry M., New York, N. Y. Dress. 106,852; Nov. 2.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lamp or similar article. 106,835; Nov. 2.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Reading lamp or similar article. 106,836; Nov. 2.
Stone, Abraham, Brooklyn, N. Y. Textile fabric or similar article. 106,776; Nov. 2.
Sullivan, George O., Pampa, Tex. Combined grave protector and marker. 106,837; Nov. 2.
Taige, Foster L. (See Hand, Thomas L., assignor.)
Tichenor, Carl M., Detroit, Mich. Automobile radio aerial. 106,853; Nov. 2.
Tichenor, Carl M., Detroit, Mich. Automobile radio aerial. 106,854; Nov. 2.
United States Glass Company. (See Ilgenfritz, C. B., and Slick, assignors.)
Velardi, Salvatore J., New York, N. Y. Dress. 106,855; Nov. 2.
Veriys of America, Inc. (See Exelmans, Maurice, assignor.)
Voigt, William E., and E. W. Voigt, Seattle, Wash. Kit case. 106,777; Nov. 2.
Voigt, Egbert W. (See Voigt, William E., and E. W.)
Wappner, Ralph C., Springfield, Ohio. Thermometer. 106,838; Nov. 2.
Whiting Corporation. (See McGlone, John J., assignor.)
Wiggenhorn, Guido J., Los Angeles, Calif. a Combined water cooler and dispenser. 106,812; Nov. 2.
Wimpy Grills of Illinois, Inc. (See Lederer, H. V., and Stanton, assignors.)
Zinn, Harry, New York, N. Y. Dress. 106,856; Nov. 2.
Zinn, Harry, New York, N. Y. Dress. 106,857; Nov. 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. A. Specialties Company. (See Fridolph, Annette, assignor.)
Abbott, Charles W., Larchmont, N. Y., and G. A. Johnson, Trumbull, Conn., assignors, by mesne assignments, to said C. W. Abbott. Electric wiring support. 2,097,993; Nov. 2.
Accurate Spring Mfg. Company. (See Caestecker, Charles E., assignor.)
Achauer, Charles V. (See Roberts, J. H., and Achauer.)
Ackerman, Frank, et al. (See Schaub, Eugene L., assignor.)
Acme Steel Company. (See Childress, William C., assignor.)
Acme Steel Company. (See Johnson, Squire J., assignor.)
Acme Steel Company. (See Norton, Ralph H., assignor.)
Acme Steel Company. (See Paxton, Gerald C., assignor.)
Adams, Willoughby W., Mount Vernon, Ill. Schooling device. 2,097,611; Nov. 2.
Adlake Company, The. (See Schuetz, Frank A., assignor.)
Adler Manufacturing Co. (See Cummins, Norman W., assignor.)
Advance Engineering Company. (See Nordell, Carl H., assignor.)
Agfa Ansco Corporation. (See Dieterle, Walter, assignor.)
Aktiebolaget Götaverken. (See Johansson, Johan E., assignor.)
Aktiebolaget Termisk Isolation. (See Munters, Carl G., assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Buchhold, Theodor, assignor.)
Aktiengesellschaft Brown Boveri & Cie. (See Kobel, Ernst, assignor.)
Albee, Birney G. (See Harwood, H. G., and Albee.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Matrix composing and line casting machine. 2,097,711; Nov. 2.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Electric valve translating circuits. 2,098,023; Nov. 2.
Allen, Archie A., assignor to Kirsch Company, Sturgis, Mich. Traverse curtain rod. 2,097,907; Nov. 2.
Allen, Scott E., Glen Ridge, assignor to C-O-Two Fire Equipment Company, Newark, N. J. Fire extinguishing system. 2,097,908; Nov. 2.
Allgemeine Electricitats Gesellschaft Friedrick Karl. (See König, Erwin, assignor.)
Allis-Chalmers Manufacturing Company. (See Dortort, Isadore K., assignor.)
Alloway, Frank L., Kingsport, Tenn. Hearing aid. 2,097,554; Nov. 2.
Alt, Louis M. (See Ross, D. E., and Alt.)
American Anode, Inc. (See Morton, Harold A., assignor.)
American Box Board Company. (See Clark, L. G., and Grogel, assignors.)
American Can Company. (See Steerup, Godfrey, assignor.)
American Cyanamid Company. (See Rossiter, Edmund C., assignor.)
American Cyanamid & Chemical Corporation. (See Jaeger, A. O., and Jewett, assignors.)
American Electric Switch Corporation. (See Watts, Felix J., assignor.)
American Enka Corporation. (See Wood, John T., assignor.)
American Flyer Manufacturing Company. (See Boisseller, Earl D., assignor.)
American Liquid Meter Company. (See Bassler, Carlos J., assignor.)
American Machine & Foundry Company. (See Ferenci, Lester, assignor.)
American Magnesium Metals Corporation. (See Erdman, K., and Hansgirg, assignors.)
American Metal Company, The. (See Eppensteiner, William F., assignor.)
American Pulley Company, The. (See Munoz, G. C., and Watson, assignors.)
American Sheet and Tin Plate Company. (See Moore, Carl E., assignor.)
American Steel and Wire Company of New Jersey, The. (See Jewell, J. H., and McNamee, assignors.)
American Steel and Wire Company of New Jersey, The. (See Reed, Malcolm W., assignor.)
American Steel and Wire Company of New Jersey. (See Riddle, Harvey W., assignor.)
American Steel Foundries. (See Kayler, Frank H., assignor.)
American Telephone and Telegraph Company. (See Day, Lester S., assignor.)
American Telephone and Telegraph Company. (See Swart, L. K., and Bodle, assignors.)
Ames, Charles H., Whittier, Calif. Radiant orchard heater. 2,097,544; Nov. 2.
Ames, Haviland C. (See Mackay, J. T., and Ames.)
Andersen, Gustav E., Stavanger, Norway. Container. 2,097,682; Nov. 2.
Anthony Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Company, Streator, Ill. Tipping mechanism. 2,097,555; Nov. 2.
Archer, Raymond, Seattle, Wash., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,097,712; Nov. 2.
Armstrong, Robert, Ridgefield, N. J. Gripping device for tubes of heat-exchange apparatus. 2,097,683; Nov. 2.
Arnold, Albert W., Miami, Fla. Grease gun. 2,097,612; Nov. 2.
Arnold, Herrick R., Elmhurst, and E. T. Lessig, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of alkyl halides. 2,097,750; Nov. 2.
Arp, Leonard D., Sherburne, and W. H. Fischer, Pipestone, Minn. Envelope construction. 2,097,505; Nov. 2.
Arthur, James L., and W. D. Schrope, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Distributor cap. 2,097,426; Nov. 2.
Ashley, Arthur W., Houston, Tex. Bolted joint. 2,097,713; Nov. 2.
Atkinson, Ralph L., Boston, Mass. Process and apparatus for making sausage casings and the like. 2,097,684; Nov. 2.
Atz, Frederick W., Jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Conveyer control system. 2,097,909; Nov. 2.
Auger, William F., Winnipeg, Manitoba, Canada. Frost shield. 2,098,127; Nov. 2.
Austin, Paul R., and P. L. Salzberg, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophthalide and making the same. 2,097,435; Nov. 2.
Automatic Instrument Company. (See Green, Clifford H., assignor.)
Automatic Unit Corporation. (See Dearing, Lester V., assignor.)
Auty, Frank, Little Neck, N. Y. Play pen. 2,097,506; Nov. 2.
Ayre, Calvin M., Arlington, Va. Rotary compressor or pump. 2,097,714; Nov. 2.
B-L Electric Manufacturing Company. (See Peters, Carl E., assignor.)
Baash-Ross Tool Company. (See Brown, Ora A., assignor.)
Back, Sydney. (See Clayton, W., Back, Morse, and Johnson.)
Bagpak, Inc. (See Cundall, Robert N. and L. A., assignors.)
Bailey, Clarence M., Baton Rouge, La. Rubber oil can spout. 2,098,128; Nov. 2.
Bailey, Lawrence H., assignor to F. J. Stokes Machine Company, Philadelphia, Pa. Vacuum drier with centrifugal dust separator. 2,098,024; Nov. 2.
Baldry, George E., Winnipeg, Manitoba, Canada. Excavating and hoisting machine. 2,098,173; Nov. 2.
Baldwin, Jesse A., Spooner, Wis. Oil filter. 2,097,828; Nov. 2.
Baldwin-Southwark Corporation. (See Essl, Max, assignor.)
Ballou, B. A. & Co. (See Morehouse, Eugene, assignor.)
Baltich, Michael, Cold Spring, N. Y. Body-resting device. 2,097,751; Nov. 2.
Bamford, Harry S., Philadelphia, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Incandescent screen. 2,097,994; Nov. 2.
Barney, Harold L., St. Louis, Mo., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control circuit. 2,097,507; Nov. 2.
Bartsch, Henry G., Washington, D. C. Slate supporting clip. 2,097,715; Nov. 2.
Bassler, Carlos J., assignor to American Liquid Meter Company, Alhambra, Calif. Apparatus for measuring oil or the like. 2,097,829; Nov. 2.
Batcheller, Clements, Portsmouth, N. H., assignor to Bemis Industries, Incorporated, Boston, Mass. Process and apparatus for making and coloring cement fiber and the like products. 2,097,613; Nov. 2.
Bates, Harry H., Ridley Park, Pa. Pulverizer. 2,097,910; Nov. 2.
Bates, John B., assignor to Titanite Alloys Corporation, Euclid, Ohio. Aluminum alloy. 2,098,081; Nov. 2.
Beach, William H. (See Wright, W. N., and Beach.)

Beard, Joseph G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of temperature control. 2,097,808; Nov. 2.
Beck, Koller & Company. (See Jarl, Carl H. B., assignor.)
Becker, George F., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle body. 2,097,911; Nov. 2.
Becker, Helmut, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Workshop microscope. 2,097,752; Nov. 2.
Bedford, Bernice D. (See Willis, C. H., Elder, and Bedford.)
Belcher, Clarence F. (See Lulek, R. N., and Belcher.)
Bell Telephone Laboratories, Incorporated. (See Barney, Harold L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Chaffee, Joseph G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gabriel, J. C., and Rodwin, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kinsley, Thomas G., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mills, Percy E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Prescott, Charles H., Jr., assignor.)
Bell, Wright H., Oneonta, N. Y. Loaded and light car brake. 2,098,129; Nov. 2.
Bemis Industries, Incorporated. (See Batcheller, Clements, assignor.)
Benedek, Elek K., Bucyrus, Ohio. Variable displacement pump or motor. 2,097,830; Nov. 2.
Bennetch, David S., Sheridan, Pa. Transmission. 2,097,436; Nov. 2.
Bennett, Harry, New York, N. Y. Balance. 2,097,753; Nov. 2.
Benz, Cyril C., Long Beach, Calif. Oil testing machine. 2,097,716; Nov. 2.
Bergstein, Edna M., et al, trustees. (See Bergstein, Robert M., assignor.)
Bergstein, Edna M., trustee et al. (See Bergstein, Samuel, assignor.)
Bergstein, Robert M., Cincinnati, Ohio, assignor to E. M. Bergstein and himself, as trustees. Sealing containers. 2,097,427; Nov. 2.
Bergstein, Robert M., trustees, et al. (See Bergstein, Samuel, assignor.)
Bergstein, Samuel, Cincinnati, Ohio, assignor to E. M. and R. M. Bergstein, as trustees. Mechanism for sealing packages hermetically. 2,097,428; Nov. 2.
Berke, Peter L., Duluth, Minn. Cover fastener. 2,097,717; Nov. 2.
Berkshire Knitting Mills. (See Hemmerich, Hugo, assignor.)
Berne Manufacturing Company. (See Habegger, Carl T., assignor.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,097,437; Nov. 2.
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,097,438; Nov. 2.
Beutner, Reinhard, Louisville, Ky. Therapeutic preparation and making the same. 2,097,439; Nov. 2.
Beyrodt, Kurt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y. Electric steam generator. 2,097,581; Nov. 2.
Beyrodt, Kurt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y. Electric steam generator. 2,097,582; Nov. 2.
Blagosch, Karl. (See Pelseler, Kuno, assignor.)
Bildersback, James L., Newberry, Fla. Rotary pump. 2,097,718; Nov. 2.
Binford, Hugh L., Houston, Tex., and O. W. Putnam, Selma, Ala. Paper roll printing attachment. 2,098,130; Nov. 2.
Bixby, Ralph F., and J. H. Meyer, St. Louis, Mo.; said Meyer assignor to said Bixby. Air conditioning apparatus. 2,097,556; Nov. 2.
Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Grinding machine. 2,097,429; Nov. 2.
Bloch, Howard H., Cleveland, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Anode. 2,097,508; Nov. 2.
Bluestein, Samuel, et al. (See Rivas, Rafael, assignor.)
Bluhm, William, New York, N. Y. Overflow preventing device. 2,098,131; Nov. 2.
Blumer, Manuel, Butler, Pa., assignor to L. Sonneborn Sons, Inc. Purifying mahogany soap. 2,097,440; Nov. 2.
Bodle, David W. (See Swart, L. K., and Bodle.)
Boekelman, Willem A., Bilthoven, and A. Elfers, Harlem, Netherlands. Surface printing plate, more particularly of et-printing plate and printing therewith. 2,097,831; N 2.
Bo John L., Brooklyn, N. Y. Opposed piston internal c bustion engine. 2,097,583; Nov. 2.
Bohn Aluminum and Brass Corporation. (See Eggenweiler, C. W., and Flegel, assignors.)
Bohn Aluminum & Brass Corporation. (See Flegel, William J., assignor.)
Boisselier, Earl D., Glen Ellyn, assignor to American Flyer Manufacturing Company, Chicago, Ill. Toy electric railway. 2,097,961; Nov. 2.
Bollens, Walter F. (See Newton, R. C., Bollens, and Brown.)
Boller, Ernest R., Euclid, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours Company, Wilmington, Del. Fireproofing. 2,097,509; Nov. 2.
Bolton, William J., Pittsburgh, Pa. Refrigerating system. 2,097,685; Nov. 2.
Boman, Bernard W. (See Elmore, Charles F., assignor.)
Bonawit, David J. (See Whitelaw, A., and Bonawit.)
Bonney-Floyd Company, The. (See Edmunds, Glenn E., assignor.)
Bonney-Floyd Company, The. (See Edmunds, G. E., and Purkhiser, assignors.)
Booge, James E., Wilmington, I. J. Krchma, Elmhurst, and R. M. McKinney, Roselle, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Recovering soluble titanium compounds from titaniferous ores. 2,098,025; Nov. 2.
Booge, James E., Wilmington, I. J. Krchma, Elmhurst, and R. M. McKinney, Roselle, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company. Attacking water insoluble titaniferous material. 2,098,026; Nov. 2.
Borg-Warner Corporation. (See Kilpela, Ano E., assignor.)
Boston Woven Hose and Rubber Company. (See McKay, Hunter, assignor.)
Boussel, Lucien A., Courbevoie, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie, Seine, France. Remote control for machine guns. 2,097,962; Nov. 2.
Bowden, Richard B. (See Bowden, Frederick S. and R. B.)
Bowden, Frederick S. and R. B. Bowden, Kansas City, Kans., assignors to White Springs Distillery, Inc. Producing distilled alcoholic spirits. 2,097,545; Nov. 2.
Bowen, Albert W., and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Reaction product of cellulosic material. 2,098,082; Nov. 2.
Bowen, Albert H., and T. W. Dike, assignors to I. F. Laucks, Inc., Seattle, Wash. Synthetic resin adhesive. 2,098,083; Nov. 2.
Boyd, Guy S. and S. H., York, Pa. Exterminating device for bugs and insects. 2,098,027; Nov. 2.
Boyd, Stephen H. (See Boyd, Guy S. and S. H.)
Brandt, Allen D. (See Shindel, H. F., and Brandt.)
Bradshaw, George B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stencil sheet. 2,097,754; Nov. 2.
Brandt, Francis L., Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon the heel-portions of shoes. 2,097,558; Nov. 2.
Brenbeck, Howard S., North Manchester, assignor to The Cyclone Manufacturing Co., Urbana, Ind. Float controlled drinking fountain. 2,097,719; Nov. 2.
Brenner, Jack L., Utica, assignor to Sharon Optical Company, Inc., Geneva, N. Y. Lens marker. 2,097,832; Nov. 2.
Breton, Paul. (See Guérin, M., and Breton.)
Brewer, Robert B. (See Roe, William C., assignor.)
Bridgeport Thermostat Company. (See Ward, Marshall H., assignor.)
Bristol, Cyrus J., assignor to Globe Hoist Company, Des Moines, Iowa. Automobile lift. 2,097,853; Nov. 2.
Brock, Margaret B., Muncy, Pa. Garment stretcher. 2,097,809; Nov. 2.
Bronson, Adelbert E., assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve insides. 2,097,614; Nov. 2.
Brooks, Herbert D. (See Kittredge, T., and Brooks.)
Broquinda, Inc. (See Quinn, Clara E., assignor.)
Brown, Cicero C., Houston, Tex. Liner setting tool. 2,097,755; Nov. 2.
Brown, Harold D., Los Angeles, Calif. Roof covering and roofing member. 2,097,546; Nov. 2.
Brown, Hugh S., Harvey, Ill., assignor to Hubron Company, Inc., Somerville, N. J. Tire remover. 2,097,430; Nov. 2.
Brown, John C., New York, N. Y. Fruit pitter. 2,097,756; Nov. 2.
Brown, John H., and T. B. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Fluid-applying machine. 2,097,557; Nov. 2.
Brown, Leo C. (See Newton, R. C., Bollens, and Brown.)
Brown, Ora A., South Gate, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Well tool. 2,097,547; Nov. 2.
Browning, J. M. & M. S., Company. (See Browning, Marriner A., assignor.)
Browning, Marriner A., assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,097,782; Nov. 2.
Brownlee, Robert L., Chicago, Ill. Clutch pulley. 2,097,559; Nov. 2.
Brun, Georges J. P. J. J., St. Etienne, France. Stabilizing device for two-stroke free piston engines. 2,097,431; Nov. 2.
Brün, Willi, Stratford, Conn., assignor to Remington Arms Company, Inc. Priming mixture. 2,097,510; Nov. 2.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Aromatic polyether chlorides. 2,097,441; Nov. 2.
Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Aromatic polyether chloride. 2,098,203; Nov. 2.

Bruson, Herman A., assignor to Röhm & Haas Company, Philadelphia, Pa. Phenolic chloroethers. 2,098,204; Nov. 2.
Buchhold, Theodor, Mannheim-Neuostheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electric drive system. 2,098,177; Nov. 2.
Büchholz, Erich, Berlin, assignor to H. Lindner, Berlin-Wittenau, Germany. Mechanism for producing accurately pitched cutting on circular work. 2,098,132; Nov. 2.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Burdick, Harry J. McC., Anaheim, Calif. Automatic humidifier. 2,097,548; Nov. 2.
Burnham, Stanley W., Elizabeth, assignor to Merck & Co., Inc., Rahway, N. J. Bottle neck construction. 2,097,912; Nov. 2.
Burkhardt, Chandos, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,098,028; Nov. 2.
Burns, Erwin, Los Angeles, and H. P. Wickersham, Huntington Park, Calif. Casing head. 2,097,615; Nov. 2.
Burpee Can Sealer Company. (See Carson, Robert H., assignor.)
Burrill, Charles M., Haddonfield, N. J., assignor to Radio Corporation of America. Recording and reproducing of sound. 2,097,995; Nov. 2.
Burrows, Robert J., and A. O. Williams, Battle Creek, assignors to Clark Equipment Company, Buchanan, Mich. Brake shoe construction. 2,097,584; Nov. 2.
Butcher, William T., Ilford, assignor to Goodlass Wall & Lead Industries Limited, London, England. Lead and lead alloys. 2,097,560; Nov. 2.
Butler, Arthur G., Eggertsville, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Auxiliary surface control. 2,097,996; Nov. 2.
C-O-Two Fire Equipment Company. (See Allen, Scott E., assignor.)
Cady, Charles P., and L. E. Johnson, assignors to Westlake Manufacturing Corporation, Canastota, N. Y. Sander. 2,097,963; Nov. 2.
Caestecker, Charles E., assignor to Accurate Spring Mfg. Company, Chicago, Ill. Retaining means for bezels and escutcheon plates. 2,097,511; Nov. 2.
Calco Chemical Company, The. (See Hill, Alfred G. and A. J., assignors.)
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,097,964; Nov. 2.
Campbell, John. (See Hanson, D., and Pell-Walpole, assignors.)
Car Devices Company. (See Hannaford, Cleon M., assignor.)
Carborundum Company, The. (See Harris, Earl J., assignor.)
Carborundum Company, The. (See Wooddell, Charles E., assignor.)
Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Welt holding mechanism. 2,097,869; Nov. 2.
Card, William C., Jr., Winthrop, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Welt support. 2,097,870; Nov. 2.
Cardwell-Westinghouse Company. (See Hedgcock, W. C., and Light, assignors.)
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carlson, Fred C., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibitor. 2,097,512; Nov. 2.
Carlson, Gustav W., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Sealing device and assembly. 2,098,084; Nov. 2.
Carnahan, Florence, et al. (See Carnahan, Ralph W., assignor.)
Carnahan, Ralph W., Shaker Heights, assignor of one-fourth to H. and S. Seegel, Cleveland, A. E. Emerman, executor of said R. W. Carnahan, deceased, assignor of three-fourths to F. Carnahan, Cleveland Heights, Ohio. Automatic telephone alarm. 2,098,133; Nov. 2.
Carolina Chemical Company. (See Daughety, Carl O., assignor.)
Carson, Robert H., assignor to Burpee Can Sealer Company, Chicago, Ill. Valve for pressure cookers, sterilizers and the like. 2,097,585; Nov. 2.
Carter Carburetor Corporation. (See Whisler, Ralph H., assignor.)
Carter, Peter G., and R. H. Sennett, Blackley, Manchester, England, and C. Shaw, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Acetate artificial silk dyestuffs. 2,097,432; Nov. 2.
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
Casey, Irene M., Oakland, Calif. Decorative article. 2,097,513; Nov. 2.
Casey, Ledgeworth G., assignor to The Cincinnati Electrical Tool Company, Cincinnati, Ohio. Grinding machine. 2,097,944; Nov. 2.
Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chlorinating 1,1-dichlorpropene-1. 2,097,442; Nov. 2.
Caulk, Luther W., Jr., Suffolk, Va. Tag fastener. 2,097,965; Nov. 2.

Celanese Corporation of America. (See Gibbs, Bradford C., assignor.)
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Central National Bank of Cleveland. (See McKee, Willis, assignor.)
Chaffee, Joseph G., Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge system for ultrashort waves. 2,097,514; Nov. 2.
Chambless, Ersyl F., assignor, by mesne assignments, to The Cracker Jack Co., Chicago, Ill. Method of and machine for packaging goods. 2,097,515; Nov. 2.
Chello, John C. (See Gallinant, Raphael C., assignor.)
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap stretching and sealing device. 2,097,443; Nov. 2.
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap stretching device. 2,097,444; Nov. 2.
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap stretching and sealing device. 2,097,945; Nov. 2.
Childress, William C., Oak Park, assignor to Acme Steel Company, Chicago, Ill. Strap sealing apparatus. 2,097,946; Nov. 2.
Choice, Frank C. (See Ricks, F., and Choice.)
Christman, John M., Packard Motor Car Company, Detroit, Mich. Wheel suspension for motor vehicles. 2,097,445; Nov. 2.
Chrysler Corporation. (See Becker, George F., assignor.)
Cincinnati Electrical Tool Company. (See Casey, Ledgeworth G., assignor.)
Citizens Trust Company, trustee. (See Repogle, Daniel B., assignor.)
Claiborne, John T., Jr., New York, N. Y., and P. D. Peterson, New Brunswick, N. J., assignors, by mesne assignments, to Freeport Sulphur Company. Phosphate-sulphur fertilizer and making same. 2,097,446; Nov. 2.
Clark Equipment Company. (See Burrows, R. J., and Williams, assignors.)
Clark, Lloyd G., and M. A. Grogel, assignors to American Box Board Company, Grand Rapids, Mich. Shipping case. 2,097,433; Nov. 2.
Clarke, George. (See Lincham, R. A., and Clarke.)
Clarke, Thomas B. (See Brown, J. H., and Clarke.)
Clayton, William, S. Back, J. F. Morse, and R. I. Johnson, assignors to Crosse & Blackwell Limited, London, England. Treatment of olive oil to prevent stearin coming down at low temperatures. 2,097,720; Nov. 2.
Cledina, Raphael, Liege, Belgium. Roller skate. 2,097,721; Nov. 2.
Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)
Cleveland, John A. (See Skinner, William F., assignor.)
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Clifford, Dell G., Chicago, Ill. Apparatus for laying pavement. 2,097,913; Nov. 2.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Joist. 2,097,722; Nov. 2.
Coe, Mayne R., dedicated to the free use of the public in the United States of America, Washington, D. C. Preserving oils and fats. 2,097,516; Nov. 2.
Coffman, Samuel M. (See Meinhardt, J. H., and Coffman.)
Cohee, Charles C., Indianapolis, Ind. Smoking pipe. 2,097,686; Nov. 2.
Cohen, Meyer C. (See Stangeland, Peder O., assignor.)
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,097,783; Nov. 2.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Callpering apparatus. 2,097,784; Nov. 2.
Collapsible Tube Closures Inc. (See Teas, Charles C., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Commercial Solvents Corporation. (See Stiles, Hugh R., assignor.)
Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
Consolidated Car-Heating Company. (See Parsons, Robert J., assignor.)
Consolidated Expanded Metal Companies, The. (See Mack, Wayne E., assignor.)
Consolidated Gas Electric Light and Power Company. (See Karrer, Sebastian, assignor.)
Continental Gin Company. (See Hagler, Clyde E., assignor.
Cook, Bennie, Oklahoma City, Okla., and Edward C. Pfeffer, Corpus Christi, Texas. Bearing cup extracting tool. 2,098,134; Nov. 2.
Cooper, Bert F. (See Madden, E. C., Cooper, and Cuykendall.)
Cooper, Edward, and T. C. Shiels, assignors to Elias Rogers Company Limited, Toronto, Ontario, Canada. Apparatus for treating solid fuel particles. 2,097,914; Nov. 2.
Corcoran-Brown Lamp Company. (See Lewis, Grant H., assignor.)

Corse, Herbert M., near Green Cove Springs, Fla. Fuel control system. 2,098,178; Nov. 2.
Cracker Jack Co., The. (See Chambless, Ersyl F., assignor.)
Crawford, Almond J., Nyack, Mont. Sanitary closet. 2,097,997; Nov. 2.
Crawford, John W. C., Ardrossan, Scotland, assignor to Imperial Chemical Industries, Limited. Production of polymerized unsaturated compounds. 2,097,586; Nov. 2.
Crompton & Knowles Loom Works. (See Holmes, Elbridge, R., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crosse & Blackwell Limited. (See Clayton, W., Back, Morse, and Johnson, assignors.)
Crossley, Frank S. (See Hartung, W. H., Young, and Crossley.)
Cummins, Norman W., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky. Carpet sweeper dumping mechanism. 2,097,549; Nov. 2.
Cundall, Lincoln A. (See Cundall, Robert N. and L. A.)
Cundall, Luta L., administratrix. (See Cundall, Robert N. and L. A.)
Cundall, Robert N., Lackawanna, and L. A. Cundall, Buffalo, assignors to Bagpak, Inc., New York, N. Y. Apparatus for filling, sewing, and sealing bags. 2,097,447; Nov. 2.
Cundall, Robert N., Lackawanna, and L. A. Cundall, Buffalo, assignors to Bagpak, Inc., New York, N. Y. Apparatus for closing bags. 2,097,448; Nov. 2.
Cundall, Robert N., Lackawanna, and L. A. Cundall, Buffalo, assignors to Bagpak, Inc., New York, N. Y. Apparatus for filling, sewing, and sealing bags. 2,097,449; Nov. 2.
Cundall, Robert N., deceased, by L. L. Cundall, administratrix, Lackawanna, and L. A. Cundall, Buffalo, assignors to Bagpak, Inc., New York, N. Y. Apparatus for sewing and sealing filled bags. 2,097,450; Nov. 2.
Curtis, David, New York, N. Y. Surface anesthetic. 2,097,687; Nov. 2.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,097,561; Nov. 2.
Curtiss-Wright Corporation. (See Butler, Arthur G., assignor.)
Cutler-Hammer, Inc. (See Hodgson, Howard E., assignor.)
Cuykendall, Earl R. (See Madden, E. C., Cooper, and Cuykendall.)
Cyclone Manufacturing Co., The. (See Brembeck, Howard S., assignor.)
Dahlen, Miles A., Wilmington, Del., and M. E. Friedrich, Carney's Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Ice color intermediates. 2,097,915; Nov. 2.
Daily, Earl L., Columbus, Ohio. Automobile safety bumper. 2,097,833; Nov. 2.
Dallmann, Herbert, Karlshorst, Germany, assignor to General Electric Company. Electrical instrument. 2,098,029; Nov. 2.
Daniels, Claude H., Wellesley Hills, Mass. Shoe. 2,097,451; Nov. 2.
D'Arcey, John, Chelsea, Mass. Liquid level indicator. 2,098,085; Nov. 2.
Daughety, Carl O., Ayden, N. C., assignor to Carolina Chemical Company. Composition for destroying suckers in tobacco and tomato plants. 2,098,135; Nov. 2.
David, Newcomb, Company, Inc. (See Ludwig, John E., assignor.)
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,097,871; Nov. 2.
Davis, Theophilus A., Los Angeles, Calif. Racket. 2,097,616; Nov. 2.
Dawes, Robert T., Hudson, Mass. Shoe gore. 2,097,810; Nov. 2.
Day, Lester S., Hamden, Conn., assignor to American Telephone and Telegraph Company. Portable pole step. 2,097,562; Nov. 2.
Dearborn, Eugene L., Fairfield, Calif. Automatic valve for sprinkler systems. 2,097,452; Nov. 2.
Dearing, Lester V., Milwaukee, Wis., assignor to Automatic Unit Corporation. Sheet feeding device. 2,097,587; Nov. 2.
De Baufre, William L., Lincoln, Nebr. Apparatus for cooling and rectifying mixed gases. 2,097,434; Nov. 2.
Deere & Company. (See Strandlund, Carl G., assignor.)
Deike, Fred. H., Long Beach, assignor of one-fifth to H. Radzinsky, New York, N. Y. Package for electric lamps or similar articles. 2,097,757; Nov. 2.
De Marchi, Artudo, and D. A. Sandin, St. Paul, Minn. Surface grinder. 2,097,655; Nov. 2.
De Motte, Maurice P., Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Carbide agitator for acetylene generators. 2,097,617; Nov. 2.
Denesous, Adam J. (See Lustig, Rudolf, assignor.)
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Detroit Lubricator Company. (See Weber, Walter H., assignor.)
Deutsch Erdöl-Aktiengesellschaft. (See Schick, F., and Emilius, assignors.)
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. (See Kärcher, Alfred, assignor.)
Devenney, Joseph G., Minneapolis, Minn. Combined pasteurizer, churn, and butterworker. 2,098,179; Nov. 2.
Devine, J. P., Manufacturing Co. (See Guyer, Jesse A., assignor.)
Diaz, Ernesto D., Habana, Cuba. Auto transmission. 2,097,656; Nov. 2.
Dickhaut, Charles A., New Brunswick, and S. A. Warner, Somerville, assignors to John Waldron Corporation, New Brunswick, N. J. Vertical unwind device. 2,097,998; Nov. 2.
Dieterle, Walter, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Photographic desensitizer. 2,098,086; Nov. 2.
Dike, Thedorore W. (See Bowen, A. H., and Dike.)
Dilks, James W., assignor to Moore Electric Corporation, Chicago, Ill. Hair clipper. 2,098,180; Nov. 2.
Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Electric switch. 2,098,181; Nov. 2.
Dilthey, Walther, Bonn-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cyclopentadienone condensation compounds and making them. 2,097,854; Nov. 2.
Dimmick, Glenn L., Audubon, N. J., assignor to Radio Corporation of America. Photographic recording of sound. 2,097,657; Nov. 2.
Dimmick, Glenn L., Haddonfield, N. J., assignor to Radio Corporation of America. Reproduction of sound. 2,097,758; Nov. 2.
Dix, Howard W. (See Myers, Elman B., assignor.)
Dobson, William A., Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,097,588; Nov. 2.
Donovan, John F., and G. Illingworth, East Cleveland, Ohio, assignors to General Electric Company. Machine for manufacturing incandescent lamps. 2,098,030; Nov. 2.
Dons, Eddie M. (See Mapes, D. B., and Dons.)
Dons, Eddie M., and D. B. Mapes, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Dewaxing oils. 2,097,999; Nov. 2.
Dorr Company, The. (See Fischer, Anthony J., assignor.)
Dortort, Isadore K., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor control system. 2,098,182; Nov. 2.
Douglas, James K. (See Ferris, W., Douglas, and Fobian.)
Dow Chemical Company, The. (See Grether, Ernest F., assignor.)
Dow, George A. (See Lacey, Wilbur E., assignor.)
Drager, Otto H. (See Stampe, Gerhard K. E. H., assignor.)
Drake, Benjamin H., Stockton, Calif. Chair. 2,097,618; Nov. 2.
Dreese, Delbert B., Larned, Kans. Chicken fountain. 2,097,563; Nov. 2.
Dreyfus, Henry, London, England. Treatment of textile materials. 2,097,589; Nov. 2.
Dreyfus, Henry, London, England. Manufacture of vinyl compounds. 2,097,590; Nov. 2.
Dunn, George E. (See Ketcham, F., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Arnold, H. R., and Lessig, assignors.)
Du Pont, E. I., de Nemours & Company. (See Auston, P. R., and Salzberg, assignors.)
Du Pont, E. I., de Nemours & Company. (See Blouch, Howard H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Boller, Ernest R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Booge, J. E., Krchma, and McKinney, assignors.)
Du Pont, E. I., de Nemours & Company. (See Bradshaw, George B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carlson, Fred C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Cass, Oliver W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Friedrich, assignors.)
Du Pont, E. I., de Nemours & Company. (See Henricks, John A., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lulek, R. N., and Belcher, assignors.)
Du Pont, E. I., de Nemours & Company. (See Lutz, George, assignor.)
Du Pont, E. I., de Nemours & Company. (See McBerty, Ford H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Rintelman, assignors.)
Durand, Joseph J., Minneapolis, Minn. Overfeed stoker. 2,097,564; Nov. 2.
Durgin, Charles B., Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. Soluble hypochlorite composition. 2,097,517; Nov. 2.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dyckerhoff, Walter, Mainz-Amoeneburg, Germany. Apparatus for use in making cement. 2,098,136; Nov. 2.
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eaton Manufacturing Company. (See Carlson, Gustav W., assignor.)

Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Eberhardt, Ernst, Ludwigshafen-on-the-Rhine, and R. Stadler, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of chlorbutadiene. 2,098,089; Nov. 2.
Eberts, Edward C., Jeffersonville, assignor to Stokeley Brothers & Company, Indianapolis, Ind. Apparatus for producing tomato products. 2,097,855; Nov. 2.
Eclipse Machine Company. (See Whitney, Maurice P., assignor.)
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine car. 2,097,966; Nov. 2.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine car and the like. 2,097,967; Nov. 2.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mine car and the like. 2,097,968; Nov. 2.
Edmunds, Glenn E., and R. C. Purkhiser, assignors to The Bonney-Floyd Company, Columbus, Ohio. Wheel mounting. 2,097,969; Nov. 2.
Edmunds, Glenn E., assignor to The Bonney-Floyd Company, Columbus, Ohio. Wheel mounting. 2,097,970; Nov. 2.
Edward Valve & Manufacturing Co., The. (See Mohr, Walter W., assignor.)
Egan, Arthur L. (See Ewing, S. E. T., and Egan.)
Eggenweiler, Charles W., and W. J. Fiegel, assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich. Apparatus for lining tubular members. 2,097,688; Nov. 2.
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing an embossing roller for manufacturing lenticular film. 2,097,971; Nov. 2.
Ehrlich, Edward, Amsterdam, Netherlands. Corrective sole. 2,097,759; Nov. 2.
Elbert, Fritz, Munich, Germany, assignor to R. Wolff, Basel, Switzerland. Paper carriage escapement device for typewriters. 2,097,834; Nov. 2.
Eltzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,097,453; Nov. 2.
Eklind, Carl E., Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio. House car. 2,098,183; Nov. 2.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Wheel structure. 2,098,205; Nov. 2.
Elder, Frank R. (See Willis, C. H., Elder, and Bedford.)
Electric Steam Sterilizing Company. (See Beyrodt, Kurt, assignor.)
Elfers, Alberthus. (See Boekelman, W. A., and Elfers.)
Elfstrom, Otto, Valdez, Alaska. Rifle. 2,098,137; Nov. 2.
Ellis, Ray C., Detroit, Mich., assignor to Radio Corporation of America. Combined instrument panel and radio receiver. 2,097,872; Nov. 2.
Elmore, Charles F., Evanston, assignor of one-half to B. W. Boman, Oak Park, Ill. Envelope. 2,097,916; Nov. 2.
Emerman, Adolph E., executor. (See Carnahan, Ralph W.)
Emilius, Eugen. (See Schick, F., and Emilius.)
Engstrom, Birger, assignor of sixty one-hundredths to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa. Pipe thread protector. 2,098,087; Nov. 2.
Engstrom, Birger, assignor of sixty one-hundredths to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa. Inside pipe thread protector. 2,098,088; Nov. 2.
Eppensteiner, William F., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Apparatus to be used in casting metal. 2,097,658; Nov. 2.
Epps, Frank A., Westfield, N. J., assignor to Gulf Oil Corporation. Fuel oil delivery control indicator. 2,097,835; Nov. 2.
Erban Operating Corporation. (See Madlé, Alain, assignor.)
Erdmann, Konrad, Radenthein, Austria, and F. Hansgirg, Konan, Korea, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa. Conversion of magnesium dust into compact metallic magnesium. 2,097,689; Nov. 2.
Essl, Max, Drexel Hill, Pa., assignor to Baldwin-Southwark Corporation. Internal combustion engine. 2,098,031; Nov. 2.
Evans, Edwin R., Kenilworth, Ill. Reaction type power brake unit. 2,097,873; Nov. 2.
Evans Products Company. (See Fehr, E. J., and Tobin, assignors.)
Ewing, Sydney E. T., and A. L. Egan, Johannesburg, Transvaal, Union of South Africa. Conditioning mine air. 2,097,723; Nov. 2.
Faber, John, Jr., Haledon, N. J. Rope clip. 2,097,550; Nov. 2.
Fahy, Frank P., New Rochelle, N. Y. Method of and apparatus for magnetic testing. 2,097,947; Nov. 2.
Failla, Gioacchino, New York, N. Y. Testing method and apparatus. 2,097,760; Nov. 2.
Fairey Aviation Company Limited, The. (See Youngman, Robert T., assignor.)
Farm Tools, Inc. (See Warne, Frederick C., assignor.)
Farmers Manufacturing Company. (See Lampert, Sadron C., assignor.)
Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America. Radio receiver. 2,097,874; Nov. 2.
Farnsworth, Philo T., San Francisco, Calif., and B. C. Gardner, Philadelphia, Pa., assignors to Farnsworth Television Incorporated, San Francisco, Calif. Luminescent screen. 2,098,000; Nov. 2.
Farnsworth Television Incorporated. (See Bamford, Harry S., assignor.)
Farnsworth Television Incorporated. (See Farnsworth, P. T., and Gardner, assignors.)
Favre, John A., Rutledge, Pa., assignor to General Electric Company. Contact mechanism. 2,098,032; Nov. 2.
Fawick, Thomas L., Akron, Ohio, assignor to Industrial Clutch Company. Clutch. 2,097,856; Nov. 2.
Federated Mills, Inc. (See Herz, Sol, assignor.)
Fehr, Eugene J., Hammond, Ind., and K. J. Tobin, Chicago, Ill., assignors, by mesne assignments, to Evans Products Company, Detroit, Mich. Automobile elevating and supporting structure. 2,098,184; Nov. 2.
Ferencl, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Slicing machine construction. 2,097,875; Nov. 2.
Ferngren, Enoch T., Jackson Heights, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Transparent container. 2,097,690; Nov. 2.
Ferrari, Arthur M., and G. M. Hoffman, Algoma, Oreg. Saw swage. 2,097,659; Nov. 2.
Ferris, Walter, and J. K. Douglas, Milwaukee, and G. F. Fobian, West Allis, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,097,857; Nov. 2.
Fiegel, William J. (See Eggenweiler, C. W., and Fiegel.)
Fiegel, William J., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Method and machine for forming flanged bearing shells. 2,097,691; Nov. 2.
Fiegel, William J., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Method and machine for forming bearing shells. 2,097,692; Nov. 2.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,097,785; Nov. 2.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Relay. 2,097,786; Nov. 2.
Fillor Famous Facial Corp. (See Lohr, Haus, assignor.)
Finck, Joseph L., assignor of thirty per cent to I. R. Paris, Washington, D. C. Insulating buildings and like structures. 2,098,138; Nov. 2.
Finley, Sam E., assignor of one-third to R. D. Kneale, Atlanta, Ga. Treating green coffee berries. 2,097,591; Nov. 2.
Fischer, Albert C., Chicago, Ill. Plant covering. 2,097,972; Nov. 2.
Fischer, Anthony J., Jackson Heights, assignor to The Dorr Company, Inc., New York, N. Y. Purification and utilization of sewage sludge digester gas. 2,097,454; Nov. 2.
Fischer, Walter H. (See Arp, L. D., and Fischer.)
Fisher, Alfred, assignor to Universal Oil Products Company, Chicago, Ill. Conversion and coking of hydrocarbons. 2,098,033; Nov. 2.
Fisher, Leonard, San Francisco, Calif. Massage device. 2,097,455; Nov. 2.
Fiveshilling, Albert D., Boston, N. Y. Broom guard or bridle. 2,097,787; Nov. 2.
Fleishhacker Paper Box Company. (See Trost, Gustave A., assignor.)
Fli-Bac Products Corporation. (See Nye, Alvin F., assignor.)
Flint, James A., and A. D. Holt, Columbus, Ohio, assignor to The Traylor Vibrator Company. Vibratory feeder. 2,098,034; Nov. 2.
Florman, Irving, New York, N. Y. Cigarette lighter. 2,097,973; Nov. 2.
Fobian, George H. (See Ferris, W., Douglas, and Fobian.)
Foley, Vernon, and J. J. Henning, Portland, Oreg. Gun and hunting knife combination. 2,098,139; Nov. 2.
Foley, Walter, Los Angeles, Calif. Tire grooving tool. 2,097,811; Nov. 2.
Ford, Luther, & Company. (See Ford, Robert E., assignor.)
Ford, Robert E., assignor to Luther Ford & Company, Minneapolis, Minn. Shipping container for handling goods. 2,098,090; Nov. 2.
Ford, William P., Decatur, Ala. Thread guide and tensioning means for knitting machines. 2,097,565; Nov. 2.
Forney, Cal A., Goshen, Ind. Collapsible ironing table. 2,097,724; Nov. 2.
Foster, Franklin J., trustee. (See Hennecke, E. V., and Kuskin, assignors.)
Foster, Fred L., Lynn, Mass. Combined die and pattern. 2,097,693; Nov. 2.
Frantz, Walter A., Shaker Heights, Ohio. Gas range attachment. 2,097,812; Nov. 2.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for winding material. 2,097,518; Nov. 2.
Frederick, Joseph M., assignor of one-half to J. L. Rosenfield, Baltimore, Md. Metallic end closure for paper cartons. 2,097,917; Nov. 2.
Freedman, Louis. (See Hiemenz, W., and Freedman.)
Freeport Sulphur Company. (See Claiborne, J. T., Jr., and Peterson, assignors.)

Fridolph, Annette, assignor to A. B. A. Specialties Company, New York, N. Y. Tufting and articles therefor. 2,098,140; Nov. 2.
Friedrich, Martin E. (See Dahlen, M. A., and Friedrich.)
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron detector. 2,097,918; Nov. 2.
Fuel Development Corporation. (See Kimball, Leo B., assignor.)
Fuetterer, Charles T., Akron, Ohio. Water softening method. 2,097,876; Nov. 2.
Fukushima, Komao, Tokyo, Japan, assignor to General Electric Company. Protection of electric systems. 2,098,035; Nov. 2.
Fürrer, Carl, Guggithal, Zug, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Strip dispensing mechanism. 2,097,788; Nov. 2.
Gabriel, John C., New York, and G. Rodwin, Randall Manor, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission system. 2,097,519; Nov. 2.
Gagnier, George E. (See Place, Hion C., assignor.)
Gagnon, Angeline. (See Gagnon, Louis and A.)
Gagnon, Louis and A., New York, N. Y. Rubber band gun. 2,098,001; Nov. 2.
Galbreath, Edward, Auxvasse, Mo. Stirrup. 2,098,141; Nov. 2.
Gallano, Julio A. (See Miñana, V., and Gallano.)
Gallinant, Raphael C., Ridgefield Park, assignor of one-half to J. C. Chello, Ridgefield, N. J. Hedge trimmer. 2,097,761; Nov. 2.
Gamble, John F., Detroit, Mich. Battery terminal protector. 2,098,091; Nov. 2.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Scale. 2,097,919; Nov. 2.
Gardner, Bernard C. (See Farnsworth, P. T., and Gardner.)
Garlinghouse, Leslie H., Los Angeles, Calif. Batching apparatus. 2,097,551; Nov. 2.
Gay, Norman H., Los Angeles, Calif. Separating oil in refrigeration systems. 2,097,725; Nov. 2.
General Aniline Works, Inc. (See Hopff, H., and Weickmann, assignors.)
General Aniline Works, Inc. (See Modersohn, A., and Schleifenbaum, assignors.)
General Aniline Works, Inc. (See Platz, C., and Holsten, assignors.)
General Controls Company. (See Ray, William A., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Dallmann, Herbert, assignor.)
General Electric Company. (See Donovan, J. F., and Illingworth, assignors.)
General Electric Company. (See Favre, John A., assignor.)
General Electric Company. (See Fukushima, Komao, assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See Palmer, Robert, assignor.)
General Electric Company. (See Pfaffenberger, Joachim, assignor.)
General Electric Company. (See Stewart, Clyde E., assignor.)
General Electric Company. (See Stimson, Allen G., assignor.)
General Electric Company. (See Warren, Glenn B., assignor.)
General Electric Company. (See Watts, Noble H., assignor.)
General Electric Company. (See Wilkinson, Kenneth J. R., assignor.)
General Electric Company. (See Willis, C. H., Elder, and Bedford, assignors.)
General Electric Company. (See Wright, Daniel K., assignor.)
General Motors Corporation. (See Arthur, J. L., and Schrope, assignors.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Koehring, Roland P., assignor.)
General Motors Corporation. (See Tomlinson, Edward J., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Railway Signal Company. (See Halles, William D., assignor.)
General Railway Signal Company. (See Hoppe, Walter H., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Kittredge, T., and Brooks, assignors.)
General Railway Signal Company. (See Moore, Edmund W., assignor.)
General Railway Signal Company. (See Powell, Winfred E., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
Getmansky, Samuel, New York, N. Y. Hat fastening device. 2,097,877; Nov. 2.
Gibbs, Bradford C., Cumberland, Md., assignor to Celanese Corporation of America. Dye jig. 2,097,592; Nov. 2.
Giberson, Bernice F., Superior, Wis. Vehicle window screen. 2,098,174; Nov. 2.
Globe Hoist Company. (See Bristol, Cyrus J., assignor.)
Gollings, Archie H., Akron, Ohio. Dispenser. 2,097,813; Nov. 2.
Goodchild, Harry, Chester, Pa. Soldering implement. 2,097,974; Nov. 2.
Goodlass Wall & Lead Industries Limited. (See Butcher, William T., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Gordon, Arthur E., West Portal, Colo. Paperhanging machine. 2,097,660; Nov. 2.
Gore, Thomas, Brooklyn, N. Y. Safety razor. 2,098,036; Nov. 2.
Gort, Godfrey, assignor to Western Railroad Supply Company, Chicago, Ill. Reflector type signal for switch stands. 2,097,552; Nov. 2.
Goshen Manufacturing Company, The. (See Weaver, Earl L., assignor.)
Götz, Konrad, Furth, Germany. Mechanical toy. 2,097,814; Nov. 2.
Gould, Herman, et al. (See Schaub, Eugene L., assignor.)
Grabe, Alf G., Stockholm, Sweden. Antifriction bearing and manufacturing the same. 2,097,878; Nov. 2.
Grand Rapids Metalcraft Corporation. (See Visser, John, assignor.)
Grande, Joseph H., Salinas, Calif. Treating lettuce in packing and shipping. 2,098,209; Nov. 2.
Green, Charles A., Hannibal, assignor to International Shoe Company, St. Louis, Mo. Making shoes. 2,098,142; Nov. 2.
Green, Clifford H., assignor to Automatic Instrument Company, Grand Rapids, Mich. Coin receiver. 2,097,456; Nov. 2.
Greene, Thomas C. (See Phillips, Charles E., assignor.)
Grether, Ernest F., assignor to The Dow Chemical Company, Midland, Mich. Nitrogeneous fertilizer and making same. 2,097,457; Nov. 2.
Grey, Hamilton, London, and A. S. Waddington, Crayford, Kent, assignors to Le Vane's Patents, Limited, London, England. Advertising or display device. 2,098,143; Nov. 2.
Grimes, Leon A., Rocky Mount, N. C. Toilet tank lever mounting. 2,097,619; Nov. 2.
Grogel, Merrill A. (See Clark, L. G., and Grogel.)
Grotowsky, Hans, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of sulphonic acids from aryl ethylenes and the products thereof. 2,097,726; Nov. 2.
Gruenberg, Raoul J., San Francisco, Calif. Display rack. 2,097,553; Nov. 2.
Guérin, Marcel, Paris, and P. Breton, Bellevue, France. Display lighting circuits. 2,098,002; Nov. 2.
Guillow, Paul K. (See Taylor, George M., assignor.)
Gulf Oil Corporation. (See Epps, Frank A., assignor.)
Guyer, August. (See Weber, H. C., and Guyer.)
Guyer, Jesse A., assignor to J. P. Devine Manufacturing Co., Inc., Mount Vernon, Ill. Apparatus for conditioning air. 2,097,520; Nov. 2.
H & B American Machine Company. (See Walsh, Samuel R., assignor.)
Haas, Anna M., Chicago, Ill. Heating device. 2,097,521; Nov. 2.
Habegger, Carl T., assignor to Berne Manufacturing Company, Berne, Ind. Garment pocket. 2,097,975; Nov. 2.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Seat frame construction. 2,097,976; Nov. 2.
Hagler, Clyde E., Birmingham, Ala., assignor to Continental Gin Company. Feed mechanism for cotton hullets and cleaners. 2,098,092; Nov. 2.
Halles, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,097,789; Nov. 2.
Hall and Lowry Incorporated. (See Lowrey, George A., assignor.)
Hammer, Arthur, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving arrangement. 2,097,879; Nov. 2.
Hammond, David F., Grand Rapids, Mich. Gasoline tank lock. 2,097,661; Nov. 2.
Hanique, Alfred, Paris, France. Simultaneously determining the volume, the weight, and the density of granular and other materials. 2,097,522; Nov. 2.
Hannaford, Cleon M., Petersburg, assignor to Car Devices Company, Incorporated, Richmond, Va. Pin or bolt lock. 2,098,185; Nov. 2.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Filter. 2,097,458; Nov. 2.
Hansgirg, Fritz. (See Erdmann, K., and Hansgirg.)
Hanson, Daniel, Haselor, Alcester, and W. T. Pell-Walpole, Tipton, assignors to John Campbell, Kensington, England. Tin alloys. 2,097,727; Nov. 2.
Hanus, John, Appleton, Wis. Air controlling device for blowers. 2,098,144; Nov. 2.

Hardman, Peck and Company. (See Sauerland, Joseph, assignor.)
Hardy, Frank H., Andover, Mass. Raising brush for shearing machines. 2,097,790; Nov. 2.
Harley, Stanley J., Stivichall, Coventry, England. Grinding screw threads in shouldered work. 2,098,145; Nov. 2.
Harris, Earl J., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for firing ceramic ware. 2,097,620; Nov. 2.
Harrison, John, Malad City, Idaho. Door holder. 2,098,175; Nov. 2.
Harter, Fred L. (See Snyder, Robert E., assignor.)
Hartford-Empire Company. (See Howard, George E., assignor.)
Hartmann Trunk Company. (See Ritter, Julius, Jr., assignor.)
Hartung, Walter H., Lansdowne, Pa., W. G. Young, Los Angeles, Calif., and F. S. Crossley, assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa. Manufacture of alcohols. 2,098,206; Nov. 2.
Harvey, Herbert C., Camden, N. J. Refrigerating apparatus. 2,097,815; Nov. 2.
Harwood, Harvey G., and B. G. Albee, Oshkosh, Wis. Ink fountain. 2,097,621; Nov. 2.
Hassenfeld, Helal, New York, N. Y. Dial card. 2,098,003; Nov. 2.
Hauck Manufacturing Company. (See Nelson, Seddon C., assignor.)
Hazel-Atlas Glass Company. (See Roberts, J. H., and Achauer, assignors.)
Hazell, Eardley, New York, and S. R. Ogilby, West New Brighton, assignors to United States Rubber Products, Inc., New York, N. Y. Rubber tire. 2,098,037; Nov. 2.
Hazell, Eardley, New York, and S. R. Ogilby, West New Brighton, assignors to United States Rubber Products, Inc., New York, N. Y. Rubber tire. 2,098,038; Nov. 2.
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Hedgcock, William C., Wilmette, and D. M. Light, Evanston, Ill., assignors, by mesne assignments, to Cardwell-Westinghouse Company. Snubber. 2,097,523; Nov. 2.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Bench saw table. 2,097,920; Nov. 2.
Hedges, Edward G., Newark, and R. Stickles, Union, N. J. Liquid dispensing apparatus. 2,098,093; Nov. 2.
Helne, Hermann, assignor to E. Leitz, Optische Werke, Wetzlar, Germany. Microscope. 2,097,762; Nov. 2.
Heller, Franz, Long Island City, assignor to R. Hoe & Co., Inc., New York, N. Y. Intaglio printing machine. 2,097,791; Nov. 2.
Helsel, Reuben H., Long Island City, assignor to General Register Corporation, Brooklyn, N. Y. Ticket issuing machine. 2,097,485; Nov. 2.
Hemmerich, Hugo, Wyomissing, assignor to Berkshire Knitting Mills, Wyomissing, Pa. Knitted stocking. 2,097,763; Nov. 2.
Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)
Hennecke, Earle V., and D. Kuskin, Flushing, assignors to F. J. Foster, New York, N. Y., trustee. Universal mounting for windshield wiper motors. 2,097,662; Nov. 2.
Henning, James J. (See Foley, V., and Henning.)
Henricks, John A., Jr., Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Fire extinguishing machine. 2,097,486; Nov. 2.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Welding electrode. 2,097,816; Nov. 2.
Hercules Powder Company. (See Pickett, O. A., and Osterhof, assignors.)
Hercules Powder Company. (See Sheffield, Donald H., assignor.)
Hercules Tool & Manufacturing Co. (See Stockel, Hans C., assignor.)
Hermanspann, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Radio receiving system. 2,097,880; Nov. 2.
Hersey, Henry J., Jr., Seattle, Wash., and D. B. Mikesell, Warsaw, Ind. Noncollapsing flexible pipe. 2,097,663; Nov. 2.
Herz, Sol, assignor to Federated Mills, Inc., New York, N. Y. Box for dispensing tissues. 2,097,858; Nov. 2.
Hess, Jack W., assignor to J. L. Stern, Buffalo, N. Y. Coin counting machine. 2,097,792; Nov. 2.
Hettrick Manufacturing Company, The. (See Smith, Isidore, P., assignor.)
Heymer, Gerd. (See Eggert, J., and Heymer.)
Hilemenz, William, and L. Freedman, Albany, assignors to Winthrop Chemical Company, New York, N. Y. Water-soluble organic iodine compounds. 2,098,094; Nov. 2.
Highway Trailer Company. (See Williams, Roy E., assignor.)
Hill, Alfred G., Bound Brook, N. J., and A. J. Hill, New Haven, Conn., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J. Preparation of secondary aromatic amines. 2,098,039; Nov. 2.
Hill, Arthur J. (See Hill, Alfred G., and A. J.)
Hirschman, Isidor L., Brooklyn, N. Y. Perpetual radio and television schedule. 2,098,004; Nov. 2.
Hite, Ferdinand M., Sherwood, Oreg. Tangle cutter for reapers and similar agricultural implements. 2,097,921; Nov. 2.
Hochstetter, Frederick W., Pittsburgh, Pa. Insulating cellulosic medium. 2,097,694; Nov. 2.
Hodgson, Howard E., Wauwatosa, assignor to Cutler Hammer, Inc., Milwaukee, Wis. Electromagnetic clutch. 2,097,922; Nov. 2.
Hoe, R., & Co. (See Heller, Franz, assignor.)
Hoefler, Edwin L., Detroit, Mich. Fish lure. 2,098,095; Nov. 2.
Hoeh, Albert C., Royal Oak, Mich. Grinding machine for reamers and like tools. 2,097,664; Nov. 2.
Hofferbert, Orrin, Beaver Dam, Wis., assignor to Malleable Iron Range Company. Range. 2,097,977. Nov. 2.
Hoffman, George M. (See Ferrari, A. M., and Hoffman.)
Holladay, Frank, Alton, Ill. Meat hook. 2,097,978; Nov. 2.
Hollis, John H., Lincoln, Mass. Cigarette package. 2,098,096; Nov. 2.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Spring stand for dobby looms. 2,097,665; Nov. 2.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Jacquard feeding mechanism. 2,097,666; Nov. 2.
Holsten, Hermann. (See Platz, C., and Holsten.)
Holt, Arthur D. (See Flint, J. A., and Holt.)
Holt, Ralph D., Dumont, N. Y. Painting shield. 2,098,005; Nov. 2.
Holt, Walter L., La Grange, assignor of one-third to W. H. Young, Sr., Muscogee County, Ga. Attachment for looms. 2,097,859; Nov. 2.
Hood, Arthur M., trustee. (See Tomlinson, Fay M., assignor.)
Hooker Electrochemical Company. (See Sconce, James S., assignor.)
Hoover Company, The. (See Burkhardt, Chandos, assignor.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover Company, The. (See Tucker, Wilmer H., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hopff, Heinrich, and A. Weickmann, Ludwigshafen-on-Rhine, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of 1,2,3,4-butylene-dioxides and making same. 2,098,097; Nov. 2.
Hopkins, Milton S., Glendale, Calif. Rotary engine. 2,097,881; Nov. 2.
Hoppe, Walter H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive coded type train control system. 2,098,040; Nov. 2.
Hoppe, Walter H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive coded cab signaling system. 2,098,041; Nov. 2.
Horii, Shinjiro, Tokyo, Japan. Stencil sheet. 2,098,042; Nov. 2.
Horii, Shinjiro, Kanda-ku, Tokyo, Japan. Stencil sheet. 2,098,043; Nov. 2.
Horton, George F., Houston, Tex. Making lime. 2,097,979; Nov. 2.
Hosler, Elmer E., Delaware Water Gap, Pa. Mallet. 2,097,459; Nov. 2.
Hondek, Richard R. (See Peddicord, Louis W. C., assignor.)
Howard, George E., Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for forming hollow glass articles. 2,098,186; Nov. 2.
Howard, Merton W., assignor to Pope Machinery Corporation, Haverhill, Mass. Automatic edgesetter. 2,097,948; Nov. 2.
Howell, Carter M., Los Angeles, Calif. Cooking. 2,097,793; Nov. 2.
Hubron Company. (See Brown, Hugh S., assignor.)
Hudtwalker, William T., Richmond Hill, N. Y., assignor to Radio Corporation of America. Power supply circuits. 2,097,882; Nov. 2.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,097,525; Nov. 2.
Hummer, Aubrey E., Washington, D. C., assignor to Packard Motor Car Company, Detroit, Mich. Change speed gearing. 2,097,566; Nov. 2.
Hunker, Martin L., assignor to The Reeves Manufacturing Company, Dover, Ohio. Top for stoves. 2,097,817; Nov. 2.
Hunt, Ernst, Globe, Ariz. Post driver. 2,098,146; Nov. 2.
Hunter, James D., and F. B. Morrill, assignors to The James Hunter Machine Company, North Adams, Mass. Vacuum extractor. 2,098,044; Nov. 2.
Hunter, James, Machine Company, The. (See Hunter, J. D., and Morrill, assignors.)
Hussmann, Ernie L., Seiling, Okla. Grinder attachment. 2,098,147; Nov. 2.
Hutchinson, Charles W., Milwaukee, Wis. Car protector. 2,097,923; Nov. 2.
Hy-Art Novelty Co. Inc. (See Sokoloff, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Dilthey, Walther, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eberhardt, E., and Stadler, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Grotowsky, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rabe, H., and Otto, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Kuehn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlerenbeck, Julius, assignor.)
Ideal Fastener Corporation. (See Silberman, David, assignor.)
Illingworth, George. (See Donovan, J. F., and Illingworth.)
Imperial Chemical Industries Limited. (See Carter, P. G., Sennett, and Shaw, assignors.)
Imperial Chemical Industries, Limited. (See Crawford, John W. C., assignor.)
Imperial Chemical Industries Limited. (See Lodge, Frank, assignor.)
Imperial Chemical Industries Limited. (See Malan, Jacques and G. G. H., assignors.)
Imperial Chemical Industries Limited. (See Piggott, Henry A., assignor.)
Imperial Chemical Industries Limited. (See Shaw, Cecil, assignor.)
Industrial Clutch Company. (See Fawick, Thomas L., assignor.)
Industrial Patents Corporation. (See Newton, R. C., Bollens, and Brown, assignors.)
Innes, Walter P., Jr., Wichita, Kans. Spark plug. 2,097,460; Nov. 2.
International Shoe Company. (See Green, Charles A., assignor.)
Interstate Bindery Company. (See Moyer, Allen J., assignor.)
Ipatieff, Vladimir, and V. Komarewsky, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,098,045; Nov. 2.
Ipatieff, Vladimir, and V. Komarewsky, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,098,046; Nov. 2.
Jackson, Edward B., Downers Grove, assignor to Stromberg Electric Company, Chicago, Ill. Time controlled system. 2,097,622; Nov. 2.
Jackson, Edward B., Downers Grove, assignor to Stromberg Electric Company, Chicago, Ill. Synchronizing system. 2,097,623; Nov. 2.
Jacob, Marcel, Paris, France, assignor to W. A. Preston, Binghamton, N. Y. Machine for sorting punched cards mechanically and electrically. 2,097,764; Nov. 2.
Jaeger, Alphons O., Greentree, and J. E. Jewett, Pittsburgh, assignors to American Cyanamid & Chemical Corporation, Bridgeville, Pa. Recovering maleic acid from the fume gases containing small amounts thereof. 2,098,047; Nov. 2.
Jarl, Carl H. B., Royal Oak, assignor to Beck, Koller & Company, Inc., Detroit, Mich. Vapor phase catalytic process and apparatus. 2,098,148; Nov. 2.
Jennings, Chester S. (See Perry, H. R., and Jennings.)
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Food mixer. 2,098,098; Nov. 2.
Jewell, John H., and O. A. McNamee, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Lamp cord. 2,098,149; Nov. 2.
Jewett, Joseph E. (See Jaeger, A. O., and Jewett.)
Johansson, Johan E., assignor to Aktiebolaget Götaverken, Gothenburg, Sweden. Internal combustion power plants. 2,097,883; Nov. 2.
Johnson, Alvin L., assignor to The Logan Gear Company, Toledo, Ohio. Bumper jack. 2,097,949; Nov. 2.
Johnson, Claude R., Hugoton, Kans. Wind motor. 2,097,667; Nov. 2.
Johnson, Edward, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y. Surgical hand brush. 2,097,461; Nov. 2.
Johnson, George A. (See Abbott, Charles W.)
Johnson, Lynn E. (See Cady, C. P., and Johnson.)
Johnson, Orville C., Aurora, Ill. Overhead door. 2,097,950; Nov. 2.
Johnson, Robert I. (See Clayton, W., Back, Morse, and Johnson.)
Johnson, Squire J., Seattle, Wash., assignor to Acme Steel Company, Chicago, Ill. Strap sealing apparatus. 2,097,980; Nov. 2.
Johnstone, Theodore H., Detroit, Mich. Lock. 2,098,150; Nov. 2.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,097,794; Nov. 2.
Junge, Arthur H., Reedsville, Wis. Veterinary instrument. 2,098,151; Nov. 2.
Junghans, Helmut, Schramberg-Sulgen, Germany. Mechanical time fuse having a centrifugal drive. 2,097,836; Nov. 2.
Kahn, Frank, Philadelphia, Pa. Wind pressure gauge. 2,098,099; Nov. 2.
Kaiser, Lawrence, Milwaukee, Wis. Propeller. 2,098,100; Nov. 2.
Kann, Emil A., Lawrence, N. Y. Chair or analogous article of furniture. 2,097,884; Nov. 2.
Kaplan, Esther, administratrix. (See Kaplan, Jacob, assignor.)
Kaplan, Jacob, deceased, E. Kaplan, administratrix, assignor to E. Kaplan, Washington, D. C. Combined letter opener and postage scale. 2,097,837; Nov. 2.
Kärcher, Alfred, Stuttgart-Cannstatt, assignor to firm Deutsche Gold- und Silber- Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Immersion heater for salt baths. 2,097,981; Nov. 2.
Karrer, Sebastian, Washington, D. C., assignor to Consolidated Gas Electric Light and Power Company, Baltimore, Md. Safety device for gas burners. 2,097,838; Nov. 2.
Kayler, Frank H., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Car coupler. 2,098,207; Nov. 2.
Keall, Frank B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,097,567; Nov. 2.
Keall, Frank B., and L. Mawbey, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Perforating machine. 2,097,568; Nov. 2.
Kearby, John J., Paterson, N. J. Warp stop motion for looms. 2,097,951; Nov. 2.
Keith, Irving L., Haverhill, Mass. Cementing machine. 2,098,101; Nov. 2.
Keith, Percy C., Jr., Peapack, N. J., assignor to Standard Oil Company, Chicago, Ill. Propene dewaxing. 2,097,728; Nov. 2.
Kell, William S., Upper Darby, Pa. Fly paper. 2,097,924; Nov. 2.
Kellogg, Edward W., Moorestown, N. J., assignor to Radio Corporation of America. Photographic recording of sound. 2,097,668; Nov. 2.
Kelman, David J., Brooklyn, N. Y. Electrical illuminating device. 2,097,795; Nov. 2.
Kemp, Milton H., Oak Park, Ill., assignor to The Kendall Company, Boston, Mass. Adhesive material. 2,098,187; Nov. 2.
Kendall Company, The. (See Kemp, Milton H., assignor.)
Kennedy, James H., Lansdowne, assignor to Magnesium Cement Laboratories, Inc., Philadelphia, Pa. Dwelling assembled from prefabricated units. 2,097,796; Nov. 2.
Kessener, Herman J. N. H., The Hague, Netherlands. Treatment of sewage and other waste liquors. 2,098,152; Nov. 2.
Ketcham, Frank, Dearborn, and G. E. Dunn, Detroit, Mich., assignors to Universal Products Co., Inc. Roller bearing assembling machine. 2,097,669; Nov. 2.
Kettlewerth Mfg. Co. Inc. (See Struble, Minnie G., assignor.)
Kieckhefer Container Company. (See Wells, R., and Kieckhefer, assignors.)
Kieckhefer, Herbert M. (See Wells, R., and Kieckhefer.)
Kilgore, Joseph D., Columbus, Ohio, assignor to St. Louis Pistols & Caps, Inc., St. Louis, Mo. Cap pistol. 2,098,006; Nov. 2.
Kilpela, Aho E., Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Automatic transmission. 2,097,569; Nov. 2.
Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Automatic fuel mixture adjustment according to temperatures. 2,097,925; Nov. 2.
Kimball, Leo B., New Haven, Conn., assignor to Fuel Development Corporation. Deicing apparatus for airplanes. 2,097,926; Nov. 2.
Kimble Glass Company. (See Moran, James J., assignor.)
King, Frederick H., Detroit, Mich. Marble game. 2,097,670; Nov. 2.
Kingdon, Ralph H., assignor to Square D Company, Detroit, Mich. Cable clamp. 2,097,695; Nov. 2.
Kinmont, Robert F., Los Angeles, Calif. Ball joint. 2,098,188; Nov. 2.
Kinnear, James E., London, England. Alarm clock. 2,097,487; Nov. 2.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for the manufacture of sheet material. 2,097,593; Nov. 2.
Kinsley, Thomas G., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric device. 2,097,488; Nov. 2.
Kirsch Company. (See Allen, Archie A., assignor.)
Kiss, Stephen A., Brooklyn, N. Y. Gasifying oils and coals. 2,097,489; Nov. 2.
Kist, Michael J. and V. A., Johnstown, Pa. Roll rim head. 2,097,982; Nov. 2.
Kist, Victor A. (See Kist, Michael J. and V. A.)
Kistner, Herman H., assignor to Kistner Lock and Appliance Company, Baltimore, Md. Pin and tumbler mechanism. 2,098,048; Nov. 2.
Kistner, Herman H., assignor to Kistner Lock and Appliance Company, Baltimore, Md. Key actuated locking bolt. 2,098,189; Nov. 2.
Kistner Lock & Appliance Company. (See Kistner, Herman H., assignor.)
Kittredge, Thomas, Rutherford, N. J., and H. D. Brooks, Ocean side, N. Y., assignors to General Railway Signal Company, Rochester, N. Y. Automatic train stop system for railroads. 2,097,624; Nov. 2.
Klemp, William J., Maplewood, assignor to K. Oswald, Newark, N. J. Making bag frames and blanks therefor. 2,097,927; Nov. 2.
Klotz, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Regenerative radio receiver. 2,097,765; Nov. 2.
Knaust, Herman and H., West Camp, N. Y. Producing mushrooms. 2,097,766; Nov. 2.

Knaust, Henry. (See Knaust, Herman and H.)
Kneale, Robert D. (See Finley, Sam E., assignor.)
Kobel, Ernst, Ennetbaden, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland. Electron discharge device. 2,097,490; Nov. 2.
Koehring, Roland P., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making a porous bearing material. 2,097,671; Nov. 2.
Komarewsky, Vasili. (See Ipatieff, V., and Komarewsky.)
König, Erwin, Berlin-Neukölln, assignor to Allgemeine Elektricitats Gesellschaft Friedrich Karl, Berlin, Germany. Cord tensioning device for tuning means. 2,097,928; Nov. 2.
Koppe, Gustave E., Providence, R. I. Apparatus for imparting a polish. 2,097,885; Nov. 2.
Koppelman, Morris, Brooklyn, N. Y. Packing for fragile articles. 2,097,886; Nov. 2.
Krakowski, Stanley, Jersey City, N. J. Alarm mechanism for clocks. 2,097,818; Nov. 2.
Kratky, Richard J., Boise, Idaho. Piston and rod assembly. 2,097,983; Nov. 2.
Krehma, Ignac J. (See Booge, J. E., Krehma, and McKinney.)
Kress, Willard C., Kenmore, assignor to J. H. Williams & Co., Buffalo, N. Y. Reversible ratchet wrench. 2,097,594; Nov. 2.
Kuehn, Erich. (See Reppe, W., and Kuehn.)
Kurek, Michael, Crafton, Pa. Time operated switch mechanism. 2,097,984; Nov. 2.
Kuskin, David. (See Hennecke, E. V., and Kuskin.)
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Substituted succinic acids and esters thereof and uses therefor. 2,098,190; Nov. 2.
Lacey, Wilbur E., Oakland, Calif., assignor to G. A. Dow. Can filling machine. 2,097,887; Nov. 2.
Lair, Julian J. B., and G. E. M. Perroux, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Transmission line for electrical signaling systems. 2,097,491; Nov. 2.
Lampert, Sadron C., assignor to Farmers Manufacturing Company, Norfolk, Va. Basket manufacture. 2,098,049; Nov. 2.
Lamson Company, The. (See Perry, H. R., and Jennings, assignors.)
Landis & Gyr, A.-G. (See Fürrer, Carl, assignor.)
Lang, Franz, Munich, Germany, assignor, by mesne assignments, to Lanova Corporation, New York, N. Y. Fuel feed means. 2,097,492; Nov. 2.
Langlotz, Charles L., New York, N. Y. Illuminated sign and push button unit. 2,097,625; Nov. 2.
Lanova Corporation. (See Lang, Franz, assignor.)
Lansing, Louis P., Cleveland, Ohio. Container. 2,097,819; Nov. 2.
La Porte, C. W., et al. (See Schueler, Julian L., assignor.)
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Laucks, I. F., Inc. (See Bowen, A. H., and Dike, assignors.)
Le Vane's Patents, Limited. (See Grey, H., and Waddington, assignors.)
Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,098,050; Nov. 2.
Leitz, Ernst, G. m. b. H. (See Becker, Helmut, assignor.)
Leitz, Ernst, G. m. b. H. (See Lihotzky, Erwin, assignor.)
Leitz, Ernst, Optische Werke. (See Heine, Hermann, assignor.)
Lessig, Edward T. (See Arnold, H. R., and Lessig.)
Lesti, Nancy, guardian, et al. (See Lesti, Geno.)
Lesti, Geno, Cleveland, Ohio; A. and N. Lesti, guardians of said G. Lesti, minor, assignors to National Blank Book Company, Holyoke, Mass. Book leaf securing means. 2,097,626; Nov. 2.
Lesti, Nacy, guardian, et al. (See Lesti, Geno.)
Leuck, Gerald J., Evanston, J. Pokorny, Chicago, and F. N. Peters, Jr., Evanston, assignors to The Quaker Oats Company, Chicago, Ill. Preparation of polyhydroxy compounds from furan compounds. 2,097,493; Nov. 2.
Leukhardt, John C., Washington, D. C. Match packet. 2,097,839; Nov. 2.
Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,097,462; Nov. 2.
Lewis, Grant H., assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio. Sealing device for containers. 2,097,820; Nov. 2.
Lewis, Robert P., assignor to Snicer Manufacturing Corporation, Toledo, Ohio. Vibration dampener. 2,097,627; Nov. 2.
Leyerle, Frank J., Mechanicsville, N. Y. Forming books. 2,097,888; Nov. 2.
Liebhardt, Frederick C., San Marino, Calif. Coupling. 2,097,628; Nov. 2.
Light, David M. (See Hedgcock, W. C., and Light.)
Lihotzky, Erwin, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Illuminating device for microscopes. 2,097,494; Nov. 2.
Lindner, Herbert. (See Büchholz, Erich, assignor.)
Lineham, Rowland A., and G. Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine needle. 2,097,495; Nov. 2.
Linen Thread Co. Inc., The. (See Tracy, Homer D., assignor.)
Link Belt Company. (See Atz, Frederick W., Jr., assignor.)
Lodge, Frank, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Anthraquinone derivatives. 2,097,672; Nov. 2.
Logan Gear Company, The. (See Johnson, Alvin L., assignor.)
Lohr, Hans, Jackson Heights, Long Island, assignor to Filtor Famous Facial Corp., Long Island City, N. Y. Facial treatment. 2,097,952; Nov. 2.
Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,097,570; Nov. 2.
Long, Thomas A. (See Mall, A. W., and Long.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Oscillator control. 2,098,051; Nov. 2.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Timing circuit. 2,098,052; Nov. 2.
Lovett, John T., Jr., Little Silver, N. J. Plant ball package and making the same. 2,097,929; Nov. 2.
Lowrey, George A., Pelly, assignor to Hall and Lowrey, Incorporated, Goose Creek, Tex. Pump. 2,097,629; Nov. 2.
Ludwig, John E., assignor to Newcomb David Company, Inc., Detroit, Mich. Spray booth. 2,097,953; Nov. 2.
Lulek, Ralph N., Waukesha, and C. F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone thiophene and selenophene carboxylic acid compounds. 2,097,860; Nov. 2.
Lunzer, Siegfried, London, England. Reservoir marking instrument. 2,097,496; Nov. 2.
Luse, Daniel C. (See Malcolm, James A., assignor.)
Lustig, Emily, administratrix. (See Lustig, Rudolf.)
Lustig, Rudolf, deceased, by E. Lustig, administratrix, assignor to A. J. Deneseus, Milwaukee, Wis. Foot appliance. 2,097,930; Nov. 2.
Lutz, George, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Plating of cadmium. 2,097,630; Nov. 2.
Macdonald, Walter, North Providence, R. I. Self cleaning atomizer. 2,097,696; Nov. 2.
Mack, Wayne, Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va. Delivery enclosure. 2,098,053; Nov. 2.
Mackay, Joseph T., Woodbury, Conn., and H. C. Ames, Port Washington, N. Y., assignors to United Fruit Company, Boston, Mass. Checking device. 2,097,861; Nov. 2.
Madden, Ernest C., Rochester, B. F. Cooper, Medina, and E. R. Cuykendall, assignors to Rochester-Ventoilet Company, Rochester, N. Y. Ventilator for toilets. 2,098,208; Nov. 2.
Madlé, Alain, assignor to Erban Operating Corporation, New York, N. Y. Power transmission mechanism. 2,097,631; Nov. 2.
Madlé, Alain, Bristol, Conn., assignor to Erban Operating Corporation, New York, N. Y. Power transmission mechanism. 2,097,632; Nov. 2.
Madlé, Alain, Bristol, Conn., assignor to Erban Operating Corporation, New York, N. Y. Transmission mechanism. 2,097,633; Nov. 2.
Magee, George H., Nutley, N. J. Gas generating system 2,097,463; Nov. 2.
Magnesium Cement Laboratories, Inc. (See Kennedy, James H., assignor.)
Magrath, George H., assignor to The Whitin Machine Works, Whitinsville, Mass. Spinning spindle. 2,097,797; Nov. 2.
Malan, George G. H. (See Malan, Jacques and G. G. H.)
Malan, Jacques and G. G. H., Somerset West, Union of South Africa, assignors to Imperial Chemical Industries Limited. Production of porous silica gel. 2,097,634; Nov. 2.
Malcolm, James A., assignor to D. C. Luse, Chicago, Ill. Insulation material. 2,097,595; Nov. 2.
Mall, Arthur W., Chicago, Ill. Portable power machine. 2,097,729; Nov. 2.
Mall, Arthur W., Chicago, Ill. Terrazzo grinding apparatus. 2,097,730; Nov. 2.
Mall, Arthur W., and T. A. Long, Chicago, Ill., assignors to Mall Tool Company. Clutch mechanism. 2,097,731; Nov. 2.
Mall Tool Company. (See Mall, A. W., and Long, assignors.)
Malleable Iron Range Company. (See Hofferbert, Orrin, assignor.)
Mallory, P. R., & Co. (See Hensel, F. R., and Larsen, assignors.)
Mallory Research Company. (See Phillips, Bernard C., assignor.)
Malm, Carl J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Hazefree cellulose acetate and its preparation. 2,097,464; Nov. 2.
Malm, Carl J., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. High viscosity organic esters of cellulose and preparing them. 2,097,954; Nov. 2.
Maniscalco, Pietro, Toledo, Ohio. Charge forming mechanism. 2,097,526; Nov. 2.

Mapes, Dwight B. (See Dons, E. M., and Mapes.)
Mapes, Dwight B., and E. M. Dons, assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla. Dewaxing oils. 2,098,007; Nov. 2.
Markes & Co., Gesellschaft mit beschrankter Haftung. (See Seltner, Sebastian, assignor.)
Marks, Herbert E., Sewickley, Pa. Wall structure. 2,097,697; Nov. 2.
Martin, Eugene, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y. Stoker. 2,098,191; Nov. 2.
Martin, Harry C., St. Petersburg, Fla. Fish tail propeller. 2,097,931; Nov. 2.
Maryott, Anson A., Alhambra, Calif. Fountain spraying device. 2,097,985; Nov. 2.
Mathers, Horace C., Van Nuys, Calif. Masonry. 2,097,821; Nov. 2.
Matthews, Birchard L., assignor to The Patrol Valve Company, Cleveland, Ohio. Ignition and control device for oven burners. 2,098,192; Nov. 2.
Mauch, Hans, Berlin-Charlottenburg, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co., G. m. b. H., Berlin-Germany. Transfer device. 2,098,154; Nov. 2.
Mawbey, Lawrence. (See Keall, F. B., and Mawbey.)
Mayo, Louis H., assignor to The Toledo Show Case Company, Toledo, Ohio. Multiple compartment merchandise display. 2,097,635; Nov. 2.
McAuley, J. E., Mfg. Co. (See McAuley, J. E., and Trevillian, assignors.)
McAuley, John E., and G. R. Trevillian, assignors to J. E. McAuley Mfg. Co., Chicago, Ill. Projector lamp. 2,097,767; Nov. 2.
McBerty, Ford H., Newark, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Ball mill attack of titaniferous ores. 2,098,054; Nov. 2.
McBerty, Ford H., Newark, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Pug mill attack of titaniferous ores. 2,098,055; Nov. 2.
McBerty, Ford H., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Utilization of waste products in the manufacture of titanium compounds from titanium ores. 2,098,056; Nov. 2.
McCaffrey, John W., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,098,057; Nov. 2.
McCoy, John H., et al. (See Smith, Harry, assignor.)
McCurdy, Frederick T., Kokomo, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Rolling alloys. 2,097,768; Nov. 2.
McDougall, George F., assignor to Oregon Textile Machines, Inc., Portland, Oreg. Shock absorbing latching device. 2,097,596; Nov. 2.
McEwen, Christopher E., Nashville, Tenn. Fish lure. 2,097,986; Nov. 2.
McKay, Hunter, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Fire hose. 2,097,862; Nov. 2.
McKee, Willis, Cleveland, Ohio, assignor to Central National Bank of Cleveland. Soaking pit. 2,097,932; Nov. 2.
McKinney, Robert M. (See Booge, J. E., Krchma, and McKinney.)
McLay, Gavin S., London, England, assignor, by mesne assignments, to Stewarts and Lloyds, Limited, Glasgow, Scotland. Push bench method and apparatus. 2,098,153; Nov. 2.
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Comany, East Bridgewater, Mass. Textile machine. 2,097,673; Nov. 2.
McLean, William A., assignor to C. Schnackel's Son, Inc., Rochester, N. Y. Oil filter. 2,098,102; Nov. 2.
McNamee, Owen A. (See Jewell, J. H., and McNamee.)
McPherren, Glen E., assignor of one-half to P. Taber, San Diego, Calif. Synchronizing apparatus. 2,097,933; Nov. 2.
Mead, Richard R., Queens Village, N. Y., assignor to Mergenthaler Linotype Company. Typographical composing machine. 2,097,732; Nov. 2.
Meinecke & Company. (See Johnson, Edward, assignor.)
Meinhardt, Joseph H., and S. M. Coffman, Kansas City, Mo., said Coffman assignor of one-fourth to said Meinhardt. Watchmaker's tool. 2,098,103; Nov. 2.
Melown, George E., Youngstown, Ohio. Fruit picker. 2,097,527; Nov. 2.
Merck & Co. (See Burnham, Stanley W., assignor.)
Merco Centrifugal Separator Co. Ltd. (See Peltzer, Albert, assignor.)
Mergenthaler Linotype Company. (See Archer, Raymond, assignor.)
Mergenthaler Linotype Company. (See Mead, Richard R., assignor.)
Metalfield Incorporated. (See Sundin, Theodore, assignor.)
Meyer, John H. (See Bixby, R. F., and Meyer.)
Mid-Continent Petroleum Corporation. (See Dons, E. M., and Mapes, assignors.)
Mid-Continent Petroleum Corporation. (See Mapes, D. B., and Dons, assignors.)
Mikesell, Daniel B. (See Hersey, H. J., Jr., and Mikesell.)
Miller, Abraham B. (See Rowe, W., and Miller.)
Miller, Floyd O., Akron, Ohio. Hydraulic braking system. 2,097,889; Nov. 2.
Miller, Louis R., Arcadia, Mo. Hydrant. 2,097,733; Nov. 2.
Mills Company, The. (See Winslow, Edward N., assignor.)
Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin chute for coin collectors. 2,097,497; Nov. 2.
Mills, Percy E., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin chute for coin collectors. 2,097,498; Nov. 2.
Miñana, Vicente, and J. A. Galiano, Buenos Aires, Argentina. Refrigerated cabinet. 2,098,155; Nov. 2.
Minerals Separation North American Corporation. (See Tucker, Stanley, assignor.)
Mitchell, Harvey V., Bridgeport, Conn. Method of and apparatus for molding articles of paper pulp. 2,098,008; Nov. 2.
Mitscherling, Waldemar O., assignor to The Neon Research Corporation, Bridgeport, Conn. Treatment of hydrocarbons. 2,097,769; Nov. 2.
Modersohn, August, Cologne-Mulheim, and W. Schleifenbaum, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Pipment azo dyestuffs. 2,097,734; Nov. 2.
Mohr, Walter W., Hammond, assignor to The Edward Valve & Manufacturing Co., Inc., East Chicago, Ind. Valve. 2,097,698; Nov. 2.
Monsanto Chemical Company. (See Durgin, Charles B., assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Moore, Carl E., Gary, Ind., assignor to American Sheet and Tin Plate Company. Cutting device. 2,097,636; Nov. 2.
Moore, Edmund W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal unit. 2,097,798; Nov. 2.
Moore Electric Corporation. (See Dilks, James W., assignor.)
Moran, James J., Drexel Hill, Pa., assignor to Kimble Glass Company, Vineland, N. J. Pipette. 2,097,571; Nov. 2.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Jewelry finding. 2,098,104; Nov. 2.
Morelissé, Jan, Amsterdam, Netherlands. Transformer. 2,097,770; Nov. 2.
Morgan, John D., South Orange, assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Apparatus for locating top dead center. 2,098,058; Nov. 2.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Morrell, Carmine, et al. (See Smith, Harry, assignor.)
Morrell, Jacque C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,098,059; Nov. 2.
Morrill, Frank B. (See Hunter, J. D., and Morrill.)
Morrison, Simon, New York, N. Y. Toilet article. 2,097,934; Nov. 2.
Morrison, William D., Seattle, Wash. Lockable pin shackle. 2,097,465; Nov. 2.
Morse, James F. (See Clayton, W., Back, Morse, and Johnson.)
Morton, Harold A., assignor to American Anode, Inc., Akron, Ohio. Making rubber articles. 2,097,528; Nov. 2.
Moyer, Allen J., assignor to Interstate Bindery Company, Kansas City, Mo. Mechanism for shaping the backs of book covers. 2,098,060; Nov. 2.
Mrozinski, Eugene J. S., Milwaukee, Wis. Sewing machine tool. 2,097,735; Nov. 2.
Munce, Clifford J., London, Ontario, Canada. Box or carton. 2,097,891; Nov. 2.
Munoz, Gonzalo C., Philadelphia, and D. M. Watson, Ardsley, assignors to The American Pulley Company, Philadelphia, Pa. Motor support. 2,098,061; Nov. 2.
Munters, Carl G., assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden. Heat insulation. 2,098,193; Nov. 2.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray Corporation of America, The. (See Northup, A. E., and Widman, assignors.)
Musher Foundation Incorporated. (See Musher, Sidney, assignor.)
Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Leguminous food product. 2,097,863; Nov. 2.
Myers, Elman B., Norristown, Pa., assignor of ten per cent to H. W. Dix, New York, N. Y. Rotary grinder. 2,097,890; Nov. 2.
National Aniline & Chemical Company. (See Penny, James P., assignor.)
National Blank Book Company. (See Lesti, Geno, assignor.)
National Cash Register Company, The. (See Williams, Harry W., assignor.)
National Gypsum Company. (See Venzie, Frederick M., assignor.)
Nelson, Seddon C., New York, assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Combined atomizing and vaporizing torch. 2,097,771; Nov. 2.
Neon Research Corporation, The. (See Mitscherling, Waldemar O., assignor.)

Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nozzle for shoe channel cementing machines. 2,097,572; Nov. 2.
Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channel cementing machine. 2,097,573; Nov. 2.
Newhouse, Walter F., Benton Harbor, Mich. Stapling machine. 2,097,499; Nov. 2.
Newman, Max M., and M. Opper, New York, N. Y. Sewing mechanism. 2,098,009; Nov. 2.
News Projection Corporation. (See Eitzen, August D., assignor.)
Newton, Roy C., W. F. Bollens, and L. C. Brown, assignors to Industrial Patents Corporation, Chicago, Ill. Preparation of emulsions. 2,098,010; Nov. 2.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Nielsen, Jens P., Takoma Park, Md. Identifying means for automobiles and the like. 2,098,156; Nov. 2.
Nihon Kogyo Kabushiki Kaisha. (See Suzuki, Kyo, assignor.)
Nilson, Olof G., Chicago, Ill. Combined cap and spout for liquid dispensing containers. 2,097,674; Nov. 2.
Nordell, Carl H., assignor to Advance Engineering Company, Chicago, Ill. Filter. 2,097,529; Nov. 2.
Northup, Amos E., Pleasant Ridge, and C. H. Widman, Detroit, Mich., assignors to The Murray Corporation of America. Constructing vehicle bodies. 2,097,699; Nov. 2.
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Sanford, Baalis, assignor.)
Norton, Ralph H., assignor to Acme Steel Company, Chicago, Ill. Strap sealing apparatus. 2,097,955; Nov. 2.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope or bag making machinery. 2,097,772; Nov. 2.
Nurenberg, George F., Trenton, N. J. Combined table and ironing board. 2,098,157; Nov. 2.
Nye, Alvin F., assignor to Fil-Bac Products Corporation, Rochester, N. Y. Roller screen. 2,098,105; Nov. 2.
O. K. Tool Company, The. (See Severson, Ole, assignor.)
Oermann, Carl H., York, Pa. Chair. 2,097,500; Nov. 2.
Ogilby, Stewart R. (See Hazell, E., and Ogilby.)
Oilgear Company, The. (See Ferris, W., Douglas, and Fobian, assignors.)
Oita, Kenzo, Sumiyoshimura, Mukogun, Hyogoken, assignor to The Toyo Cotton Mills Company, Limited, Osaka, Japan. Skylight. 2,097,738; Nov. 2.
Olmsted, Donald A., Wauneta, Nebr. Tractor guide. 2,097,840; Nov. 2.
O'Neill, Joseph A., Toledo, Ohio. Bank statement sheet and carbon separating apparatus. 2,098,158; Nov. 2.
Opper, Morris. (See Newman, M. M., and Opper.)
Oregon Textile Machines, Inc. (See McDougall, George F., assignor.)
Orelup, John W., East Orange, N. J., assignor, by mesne assignments, to Patent Fuels & Color Corporation, Cincinnati, Ohio. Stabilized colored gasoline. 2,097,773; Nov. 2.
Osolin, Alfred, Shaker Heights, Ohio. Wall subjected to high temperatures. 2,097,637; Nov. 2.
Osterhof, Arthur L. (See Pickett, O. A., and Osterhof.)
Osvold, Helmer J., Thompson, Minn. Game. 2,098,011; Nov. 2.
Oswald, Karl. (See Klemp, William J., assignor.)
Otto, Michael. (See Rabe, H., and Otto.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Hummer, Aubrey E., assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Packard Motor Car Company. (See Rossmann, Peter F., assignor.)
Palmer, Robert, Niskayunna, N. Y., assignor to General Electric Company. Carbon brush. 2,098,062; Nov. 2.
Papst, Max, Paris, France. Lock and more particularly door lock for automobiles. 2,098,012; Nov. 2.
Paraffine Companies, Inc., The. (See Rowe, W., and Miller, assignors.)
Paris, I. Richard. (See Finck, Joseph L., assignor.)
Park, Elmer W., near Fredericksburg, Va. Tractor plow. 2,097,841; Nov. 2.
Parsons, Robert J., Schenectady, assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Heating and ventilating system. 2,098,194; Nov. 2.
Patent Fuels & Color Corporation. (See Orelup, John W., assignor.)
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,097,466; Nov. 2.
Patrol Valve Company, The. (See Matthews, Birchard L., assignor.)
Pavitt, William H., Bronxville, assignor to A. J. Wilputte, New Rochelle, N. Y. Combination regenerative coke oven. 2,098,013; Nov. 2.
Pavlecka, John, Detroit, Mich. Cellular structure. 2,097,597; Nov. 2.
Pavlecka, John, Detroit, Mich. Cellular structure. 2,097,598; Nov. 2.
Pavlecka, John, Detroit, Mich. Cellular structure. 2,097,599; Nov. 2.
Pavlecka, John, Detroit, Mich. Column structure. 2,097,600; Nov. 2.
Paxton, Gerald C., Santa Ana, Calif., assignor to Acme Steel Company, Chicago, Ill. Box feeding device for strapping machines. 2,097,774; Nov. 2.
Peddicord, Louis W. C., assignor of one-half to R. R. Houdek, Topeka, Kans. Refrigerator food display case. 2,097,530; Nov. 2.
Pedigo, C. A. (See Williams, Elmer E., assignor.)
Peiseler, Kuno, assignor to K. Biagosch, Leipzig, Germany. Cutting device. 2,098,159; Nov. 2.
Pell-Walpole, William T. (See Hanson, D., and Pell-Walpole.)
Peltzer, Albert, Palo Alto, assignor to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif. Process applicable to starch manufacture. 2,097,531; Nov. 2.
Penny, James P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Azo compounds and their production. 2,097,638; Nov. 2.
Perkins, Julian L., West Springfield, Mass. Wringer. 2,097,532; Nov. 2.
Perreton, Arnold, Durham, N. H. Machine for cutting comb honey. 2,097,639; Nov. 2.
Perrin, René, assignor to Société d'Electrochimie d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France. Deoxidation of copper. 2,098,063; Nov. 2.
Perritt, Palmer L., San Francisco, Calif. Dispensing device. 2,098,160; Nov. 2.
Perroux, Georges E. M. (See Lair, J. J. B., and Perroux.)
Perry, Harold R., Swarthmore, Pa., and C. S. Jennings, Syracuse, assignors to The Lamson Company, Syracuse, N. Y. Manufacture of shoes. 2,097,799; Nov. 2.
Peters, Carl E., assignor to B-L Electric Manufacturing Company, St. Louis, Mo. Rectifier and producing the same. 2,097,700; Nov. 2.
Peters, Fredus N., Jr. (See Leuck, G. J., Pokorny, and Peters.)
Peterson, Paul D. (See Clairborne, J. T., and Peterson.)
Pfaffenberger, Joachim, Berlin-Marienedorf, Germany, assignor to General Electric Company. Magnetic testing device. 2,098,064; Nov. 2.
Pfeffer, Edward C. (See Cook, B., and Pfeffer.)
Pfeiffer, Henry P., East Orange, N. J. Machine for conditioning false teeth. 2,097,701; Nov. 2.
Pflasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,07,822; Nov. 2.
Phelps, George T., Forbes, N. Dak. Container. 2,097,736; Nov. 2.
Philadelphia Drying Machinery Company, The. (See Sibson, Walter W., Jr., assignor.)
Phillips, Bernard C., assignor, by mesne assignments, to The Mallory Research Company, Detroit, Mich. Ignition control device. 2,097,842; Nov. 2.
Phillips, Charles E., assignor of one-fourth to T. C. Greene, Fresno, Calif. Tooth brush. 2,097,987; Nov. 2.
Pickett, Oscar A., and A. L. Osterhof, assignors to Hercules Powder Company, Wilmington, Del. Detergent composition. 2,097,737; Nov. 2.
Pieck, Carl E., Covington, Ky. Syringe. 2,098,106; Nov. 2.
Piggott, Henry A., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Quaternary ammonium compounds. 2,097,640; Nov. 2.
Pilant, Frederick, Granby, Mo. Tobacco pipe. 2,098,161; Nov. 2.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. Circuit breaker. 2,097,775; Nov. 2.
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Spring fastener. 2,097,641; Nov. 2.
Platz, Carl, Frankfort-on-the-Main, and H. Holsten, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing amino-carboxylic acids and products obtainable thereby. 2,097,864; Nov. 2.
Plax Corporation. (See Ferngren, Enoch T., assignor.)
Pokorny, Joseph. (See Leuck, G. J., Pokorny, and Peters.)
Polston, John R., assignor to Stanolind Pipe Line Company, Tulsa, Okla. Pipe line system and valve therefor. 2,098,014; Nov. 2.
Pope Machinery Corporation. (See Howard, Merton W., assignor.)
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Method and apparatus for coating paper and the like. 2,097,601; Nov. 2.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Powell, Edward R., Alexandria, Ind. Insulated tile unit and structure. 2,097,892; Nov. 2.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,097,800; Nov. 2.
Powell, Winfred T., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,097,801; Nov. 2.
Power Patents Company. (See Morgan, John D., assignor.)

Prentice, Carlyle L., New York, N. Y. Ignition control device. 2,097,776; Nov. 2.
Prescott, Charles H., Jr., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoelectric tube. 2,097,467; Nov. 2.
Preston, Edward S., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan with rubber blades. 2,098,107; Nov. 2.
Preston, William A. (See Jacob, Marcel, assignor.)
Procter & Gamble Company, The. (See Suter, Chester M., assignor.)
Propello Inventions Limited. (See Yoxall, Joseph, assignor.)
Public in the United States of America, Free use of the. (See Coe, Mayne R., assignor.)
Purkhiser, Roy C. (See Edmunds, G. E., and Purkhiser.)
Putnam, John P., assignor to The Reece Button-Hole Machine Company, Boston, Mass. Electrical connecter. 2,097,642; Nov. 2.
Putnam, Odie W. (See Binford, H. L., and Putnam.)
Quaker Oats Company, The. (See Leuck, G. J., Pokorny, and Peters, assignors.)
Quinn, Clara E., Mount Vernon, Ill., assignor to Broquinda, Inc., Wilmington, Del. Refrigerator. 2,097,935; Nov. 2.
Rabe, Hans, Mannheim, and M. Otto, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrocarbons of high molecular weight. 2,097,468; Nov. 2.
Radio Corporation of America. (See Burrill, Charles M., assignor.)
Radio Corporation of America. (See Dimmick, Glenn L., assignor.)
Radio Corporation of America. (See Ellis, Ray C., assignor.)
Radio Corporation of America. (See Farnham, Paul O., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hudtwalker, William T., assignor.)
Radio Corporation of America. (See Kellogg, Edward W., assignor.)
Radio Corporation of America. (See Rust, Noël M., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Thomas, Adolph A., assignor.)
Radzinsky, Harry. (See Delke, Fred. H., assignor.)
Raggio, Frank, San Francisco, Calif. Adjustable pitch propeller. 2,097,643; Nov. 2.
Ray Engineering Company. (See Rayfield, Charles L., assignor.)
Ray, William A., San Francisco, Calif., assignor to General Controls Company. Solenoid. 2,098,195; Nov. 2.
Ray, William A., San Francisco, Calif., assignor to General Controls Company. Solenoid. 2,098,196; Nov. 2.
Ray, William A., San Francisco, Calif., assignor to General Controls Company. Solenoid. 2,098,197; Nov. 2.
Raybestos-Manhattan, Inc. (See White, William L., assignor.)
Raybestos-Manhattan, Inc. (See Whitelaw, A., and Bonawit, assignors.)
Rayfield, Charles L., assignor to Ray Engineering Company, Chicago, Ill. Compressor. 2,098,065; Nov. 2.
Redford, John E., St. Louis, Mo. Slack adjuster for air brakes. 2,097,533; Nov. 2.
Reece Button-Hole Machine Company, The. (See Putnam, John P., assignor.)
Reed, Malcolm W., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrical cable. 2,098,162; Nov. 2.
Reed, Malcolm W., Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Electrical cable. 2,098,163; Nov. 2.
Reeves Manufacturing Company, The. (See Hunker, Martin L., assignor.)
Reich, Samuel, New York, N. Y. Container. 2,097,893; Nov. 2.
Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Railway signaling system. 2,097,843; Nov. 2.
Reichelt, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical cable and making the same. 2,097,501; Nov. 2.
Remington Arms Company. (See Brün, Willi, assignor.)
Replogle, Daniel B., Berkeley, Calif., assignor to Citizens Trust Company, as trustee, Toledo, Ohio. Air flow control in an air-method cleaner. 2,097,469; Nov. 2.
Reppe, Walter, Ludwigshafen-on-the-Rhine, and E. Kuehn, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products of vinyl ethers. 2,098,108; Nov. 2.
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Rice, William A., Richmond, Va. Parcel check. 2,098,164; Nov. 2.
Richardson, James C., Brooklyn, assignor to Royal Switchboard Co., Inc., New York, N. Y. Electrical connecter. 2,097,470; Nov. 2.
Ricks, Fred, and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Shoe-treating machine. 2,097,574; Nov. 2.
Riddle, Harvey W., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Die. 2,097,644; Nov. 2.
Riggenbach, John W., Fall River, Mass. Printing and cutting machine. 2,098,165; Nov. 2.
Rilling-Arnao Company. (See Rilling, Paul C., assignor.)
Rilling, Paul C., assignor to Rilling Arnao Company, Minneapolis, Minn. Permanent wave apparatus and method. 2,097,702; Nov. 2.
Rintelman, William L. (See Wuertz, A. J., and Rintelman.)
Ritter, John H., Seattle, Wash. Sea water filter. 2,097,645; Nov. 2.
Ritter, Julius, Jr., assignor to Hartmann Trunk Company, Racine, Wis. Revolving trunk. 2,098,109; Nov. 2.
Rivas, Rafael, assignor of one-third to S. Weinryh and one-third to S. Bluestein, New York, N. Y. Locking device. 2,097,802; Nov. 2.
Roberson, Junius D., Cleburne, Tex. Device for sifting and fluffing flour. 2,097,936; Nov. 2.
Roberts, James H., and C. V. Achauer, Zanesville, Ohio, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass stopper and bottle grinding machine. 2,097,575; Nov. 2.
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoes. 2,097,576; Nov. 2.
Robinson, Guilford D., Eden, N. Y. Automatic can filler. 2,097,844; Nov. 2.
Roche, John, Battle Creek, Mich. Balancing device for grinding or polishing wheels. 2,097,894; Nov. 2.
Rochester-Ventollet Company. (See Madden, E. C., Cooper, and Cuykendall, assignors.)
Rodwin, George. (See Gabriel, J. C., and Rodwin.)
Roe, William C., Elyria, assignor to R. B. Brewer, Cleveland, Ohio. Electromagnetic device. 2,097,823; Nov. 2.
Rogers, Ellas, Company, Limited. (See Cooper, E., and Shiels, assignors.)
Rohlin, Karl W., Merchantville, assignor to Warren Webster & Company, Camden, N. J. Radiator. 2,097,602; Nov. 2.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Rollins, Irving L. (See Tasso, Giuseppe, assignor.)
Ronning, Adolph, Minneapolis, Minn. Combination tractor-elevator and power transmission. 2,097,703; Nov. 2.
Rosenfield, Jacob L. (See Frederick, Joseph M., assignor.)
Ross, David E., and L. M. Alt, assignors to Rostone, Incorporated, La Fayette, Ind. Interior wall construction for buildings. 2,097,988; Nov. 2.
Rossiter, Edmund C., London, England, assignor, by mesne assignments, to American Cyanamid Company. Manufacture of artificial resins and the like. 2,097,895; Nov. 2.
Rossman, Allen M., Wilmette, assignor to Rossman Engineering Company, Chicago, Ill. Mechanical power transmission. 2,097,534; Nov. 2.
Rossman Engineering Company. (See Rossman, Allen M., assignor.)
Rossman, Peter F., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,097,739; Nov. 2.
Rostone, Incorporated. (See Ross, D. E., and Alt, assignors.)
Rothman, Emanuel M., Philadelphia, Pa. Bathing costume. 2,097,777; Nov. 2.
Rowe, William, Oakland, and A. B. Miller, Berkeley, assignors to The Paraffine Companies, Inc., San Francisco, Calif. Making inlaid linoleum. 2,098,015; Nov. 2.
Royal Switchboard Co. (See Richardson, James C., assignor.)
Rubenstein, Henry, New York, N. Y. Toy eye-blinking and tail-wagging device. 2,098,166; Nov. 2.
Rugel, Lena M. and P. F., Dallas, Tex. Liquid flow indicator. 2,097,535; Nov. 2.
Rugel, Paul F. (See Rugel, Lena M., and P. F.)
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Metalworking machine. 2,097,046; Nov. 2.
Rust, Noël M., Chelmsford, Essex, England, assignor to Radio Corporation of America. High frequency oscillating circuit. 2,097,937; Nov. 2.
Ruth, John H., Brooklyn, N. Y. Electrical connecter cap. 2,097,603; Nov. 2.
S. & S. Corrugated Paper Machinery Co. (See Shields, Frank S., assignor.)
Sächsische Textilmaschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft. (See Schmitt, Karl J., assignor.)
Saigen, Boku, assignor to Toho Kagakukogyo Kabushi-ki-Kaisha, Keijo, Japan. Emergency stopping device for motor cars. 2,097,740; Nov. 2.
St. Louis Pistols & Caps, Inc. (See Kilgore, Joseph D., assignor.)
Salzberg, Bernard, New York, N. Y., assignor to Radio Corporation of America. Amplifying arrangement. 2,097,896; Nov. 2.
Salzberg, Paul L. (See Austin, P. R., and Salzberg.)
Sandin, David A. (See De Marchi, A., and Sandin.)
Sanford, Baalis, assignor to Norton Company, Worcester, Mass. Grinding wheel. 2,097,803; Nov. 2.

Sauerland, Joseph, West New York, assignor to Hardman, Peck and Company, New York, N. Y. Piano case construction. 2,097,604; Nov. 2.
Schafer, Charles W., Galena, Kans. Carbide lamp. 2,098,167; Nov. 2.
Scharsch, Walter R., Portland, Oreg. Machine and method for cooking a complete meal. 2,097,471; Nov. 2.
Schaub, Eugene L., Middle Village, Long Island, assignor to F. Ackerman and H. Gould, New York, N. Y. Film reel construction. 2,097,778; Nov. 2.
Schertz, Frank M., and R. H. Van Sant, Washington, D. C. Extracting chloroplast pigments. 2,098,110; Nov. 2.
Schick, Friedrich, and E. Emilius, Berlin-Mariendorf, assignors to firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoneberg, Germany. Cracking hydrocarbons by means of catalysts. 2,097,989; Nov. 2.
Schlerenbeck, Julius, Heidelberg assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for the fine dispersion of gases in liquids. 2,097,605; Nov. 2.
Schleifenbaum, Werner. (See Modersohn, A., and Schleifenbaum.)
Schlesinger, Kurt, Berlin, Germany. Amplitude filter circuit for television receivers. 2,097,804; Nov. 2.
Schmid, Ernst, Annecy, Haute-Savoie, France. Valve mechanism in internal combustion engines of the opposed piston type. 2,097,741; Nov. 2.
Schmitt, Karl J., assignor to Sächsische Textil-maschinenfabrik vorm. Rich. Hartmann Aktiengesellschaft, Chemnitz, Germany. Combing machine for wool, cotton, and the like. 2,097,824; Nov. 2.
Schnackel's, C., Son, Inc. (See McLean, William A., assignor.)
Schreiber, John H., St. Louis, Mo. Ice vending machine. 2,097,807; Nov. 2.
Schrope, William D. (See Arthur, J. L., and Schrope.)
Schueler, J. L., et al. (See Schueler, Julian L., assignor.)
Schueler, Julian L., Kokomo, Ind., assignor, by mesne assignments, to C. W. La Porte, Peoria, Ill., and J. L. Schueler, Kokomo, Ind. Flame treating coated materials. 2,097,472; Nov. 2.
Schuetz, Frank A., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain construction. 2,098,016; Nov. 2.
Schulse, Herman E., Jersey City, N. J. Dispensing container. 2,098,210; Nov. 2.
Schulse, Herman E., East Orange, N. J. Brew cooling. 2,098,211; Nov. 2.
Sconce, James S., Niagara Falls, assignor to Hooker Electrochemical Company, New York, N. Y. Treatment of vegetable fiber. 2,098,111; Nov. 2.
Scott, Audrey K., Toledo, Ohio. Closure for paper containers. 2,097,647; Nov. 2.
Scott, Bateman D., Camp Miserden, near Stroud, England. Accessory drive mechanism. 2,097,742; Nov. 2.
Seegel, Hyman, et al. (See Carnahan, Ralph W., assignor.)
Seegel, Samuel, et al. (See Carnahan, Ralph W., assignor.)
Seltner, Sebastian, Alzey, assignor to firm: Markes & Co., Gesellschaft mit beschrankter Haftung, Ludensceid, Germany. Single phase alternating current motor. 2,097,577; Nov. 2.
Semon, Waldo L., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 2,097,473; Nov. 2.
Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 2,097,474; Nov. 2.
Sennett, Reginald H. (See Carter, P. G., Sennett, and Shaw.)
Severson, Ole, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y. Adjustable hollow mill. 2,097,898; Nov. 2.
Seyfarth, William J., Phoenix, Ariz. Snap-on spur retainer. 2,098,017; Nov. 2.
Sharp & Dohme, Incorporated. (See Hartung, W. H., Young, and Crossley, assignors.)
Shaw, Cecil. (See Carter, P. G., Sennett, and Shaw.)
Shaw, Cecil, Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited. Coloring acetate artificial silk. 2,097,675; Nov. 2.
Shaw, Harry F., Clairton, Pa. Continuous blow-off for steam boilers. 2,097,648; Nov. 2.
Sheffield, Donald H., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Method for the recovery of terpenes from mixtures containing the same. 2,097,743; Nov. 2.
Sheffield, Donald H., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Isomerization of pinene. 2,097,744; Nov. 2.
Shepard, David C. (See Smith, Swan, assignor.)
Shields, Frank S., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Running register. 2,098,112; Nov. 2.
Shiels, Thomas C. (See Cooper, E., and Shiels.)
Shindel, Harry F., Reading, and A. D. Brandt, Wyomissing, assignors to Willson Products, Inc., Reading, Pa. Head band attachment for respirators. 2,097,676; Nov. 2.
Shirk, Carl I., Modesto, Calif. Retriever for fish lures. 2,097,536; Nov. 2.
Shook, Charles H., Dayton, Ohio. Purifying polluted liquids. 2,097,779; Nov. 2.
Shuron Optical Company. (See Brenner, Jack L., assignor.)
Sibson, Walter W., Jr., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Treating apparatus. 2,098,066; Nov. 2.
Sikorsky, Igor I., Trumbull, assignor to United Aircraft Corporation, East Hartford, Conn. Adjusting means for control surfaces. 2,097,990; Nov. 2.
Sikorsky, Igor I., Trumbull, assignor to United Aircraft Corporation, East Hartford, Conn. Mechanic's platform for airplanes. 2,097,991; Nov. 2.
Silberman, David, assignor to Ideal Fastener Corporation, New York, N. Y. Tape for slide fasteners. 2,097,475; Nov. 2.
Silex Company, The. (See Wolcott, Frank E., assignor.)
Silver, Benjamin J., New York, N. Y. Insert sole for shoes. 2,097,476; Nov. 2.
Silver, Herman, East Orange, N. J. Slow burning match. 2,097,780; Nov. 2.
Simonsson, Ludvig H., Stockholm, Sweden. Artificial foot, joint, and ankle. 2,098,067; Nov. 2.
Sindelar, Thomas A., Cleveland, assignor to Truscon Steel Company, Youngstown, Ohio. Sliding shelf. 2,098,198; Nov. 2.
Skinner, William F., assignor to J. A. Cleveland, Miami, Fla. Toy cartridge. 2,098,068; Nov. 2.
Smith, Harry, assignor of one-third to J. H. McCoy, and four percent to C. Morrell, Los Angeles, Calif. Apparatus for making moving pictures in depth. 2,097,745; Nov. 2.
Smith, Isidore P., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Awning. 2,097,704; Nov. 2.
Smith, Swan, White Bear, assignor to D. C. Shepard, St. Paul, Minn. Forming containers. 2,097,899; Nov. 2.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smittle, Walter R., St. Louis, Mo. Mounting for propeller shafts. 2,097,606; Nov. 2.
Snow, Lancy, Noroton, Conn. Roofing. 2,097,845; Nov. 2.
Snyder, Robert E., Pasadena, assignor of one-half to F. L. Harter, Los Angeles, Calif. Remotely controlled spotlight. 2,097,537; Nov. 2.
Societe Anonyme des Anciens Etablissements Hotchkiss & Cie. (See Boussel, Lucien A., assignor.)
Société d'Electrochimie d'Electrometallurgie et des Aciéries Electriques d'Ugine. (See Perrin, Rene, assignor.)
Sokoloff, Max, Brooklyn, assignor to Hy-Art Novelty Co. Inc., New York, N. Y. Making ornamental material. 2,097,677; Nov. 2.
Solberg, Thorvald A., United States Navy. Method of and material for treating boiler water. 2,097,649; Nov. 2.
Stampe, Gerhard K. E. H., assignor to O. H. Drager, Lubeck, Germany. Device for detecting the presence of foreign gases or suspensions in air or gaseous medium. 2,097,650; Nov. 2.
Sonneborn, L., Sons, Inc. (See Blumer, Manuel, assignor.)
Southern Steel Company. (See White, Loyd J., assignor.)
Southgate, George T., Forest Hills, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for producing rods and the like of comminuted material. 2,097,502; Nov. 2.
Spaeth, Charles, Flushing, N. Y. Lamp and operating same. 2,098,113; Nov. 2.
Spang, Chalfant and Co. (See Engstrom, Birger, assignor.)
Spencer Manufacturing Corporation. (See Lewis, Robert P., assignor.)
Sperry, Edgar J., Atlanta, Ga. Spinning toy. 2,098,168; Nov. 2.
Spira, Henry, New York, N. Y. Pocket with pull-matches. 2,097,607; Nov. 2.
Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Spring unit. 2,097,524; Nov. 2.
Square D Company. (See Kingdon, Ralph H., assignor.)
Stadler, Robert. (See Eberhardt, E., and Stadler.)
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoist. 2,097,956; Nov. 2.
Stahl, Frank E., Tonawanda, N. Y. Suspension bracket for hoists. 2,097,957; Nov. 2.
Standard Oil Company. (See Keith, Percy C., Jr., assignor.)
Standard Stoker Company, The. (See Martin, Eugene, assignor.)
Stanolind Pipe Line Company. (See Polston, John R., assignor.)
Stangeland, Peder O., assignor of one-half to M. C. Cohen, Los Angeles, Calif. Ratchet hinge. 2,097,651; Nov. 2.
Steerup, Godfrey, Maywood, Ill., assignor to American Can Company, New York, N. Y. Producing electrical disruptive discharges. 2,097,477; Nov. 2.
Stern, Jacob L. (See Hess, Jack W., assignor.)
Stewart, Clyde E., Upper Darby, Pa., assignor to General Electric Company. Remote control system. 2,098,069; Nov. 2.
Stewart, Daniel C., Astoria, Long Island, N. Y. Soda siphon. 2,098,169; Nov. 2.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stewarts and Lloyds, Limited. (See McLay, Gavin S., assignor.)

Stickles, Robert. (See Hedges, Edward G., assignor.)
Stiles, Hugh R., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Fermentation of amylaceous materials. 2,098,199; Nov. 2.
Stiles, Hugh R., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Butyl-acetonic fermentation process. 2,098,200; Nov. 2.
Stimson, Allen G., Niskayuna, N. Y., assignor to General Electric Company. Electromagnetic relay. 2,098,070; Nov. 2.
Stockel, Hans C., assignor to Hercules Tool & Manufacturing Co., Chicago, Ill. Stapling device. 2,097,865; Nov. 2.
Stokely Brothers & Company. (See Eberts, Edward C., assignor.)
Stokes, F. J., Machine Company. (See Bailey, Lawrence H., assignor.)
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Cultivator and planter. 2,097,678; Nov. 2.
Stranch, Clauss B., New York, N. Y. Nasal inhaler. 2,097,846; Nov. 2.
Stranch, Clauss B., New York, N. Y. Preventing erosions and perforations in metal containers. 2,097,847; Nov. 2.
Strauss, Joseph B., Chicago, Ill. Automatic road direction sign. 2,097,900; Nov. 2.
Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 2,097,746; Nov. 2.
Stromberg Electric Company. (See Jackson, Edward B., assignor.)
Struble, Minnie G., Kenmore, assignor to Kettleworth Mfg. Co. Inc., Buffalo, N. Y. Cooking utensil. 2,097,478; Nov. 2.
Stuck, Everett Fayetteville, N. Y. Electric water heater. 2,097,705; Nov. 2.
Suter, Chester M., Evanston, Ill., assignor of twenty-five per cent to The Procter & Gamble Company. Sulphonating alcohols. 2,098,114; Nov. 2.
Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
Sundin, Theodore, New York, assignor to Metalfield Incorporated, Long Island City, N. Y., Toilet article. 2,097,938; Nov. 2.
Suzuki, Kyo, Hitachi-Machi, Tagagun, Ibarakiken, assignor to Nihon Kogyo Kabushiki Kaisha, Tokyo, Japan. Reciprocating scraping machine. 2,097,747; Nov. 2.
Swanson, Harold, Cleveland, Ohio. Electric incandescent high pressure gas lamp. 2,097,679; Nov. 2.
Swart, Leland K., Mountain Lakes, and D. W. Bodle, Pequannock, N. J., assignors to American Telephone and Telegraph Company. Apparatus for recording steep wave front voltages of short duration. 2,097,578; Nov. 2.
Symington, Edith R., et al., executors. (See Symington, Thomas H.)
Symington-Gould Corporation, The. (See Symington, Thomas H., assignor.)
Symington, Thomas H., deceased, Baltimore, by E. R. Symington, Lutherville, and T. R. Symington, Reisterstown, Md., executors, assignors, by mesne assignments, to The Symington-Gould Corporation, Rochester, N. Y. Truck side frame. 2,097,579; Nov. 2.
Symington, Thomas R., et al., executors. (See Symington, Thomas H.)
Taber, Philip. (See McPherren, Glen E., assignor.)
Tarbell, Charles E., White Plains, N. Y. Building construction. 2,097,580; Nov. 2.
Tasso, Giuseppe, assignor of one-half to I. L. Rollins, Brooklyn, N. Y. Motor vehicle drive. 2,098,071; Nov. 2.
Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,098,072; Nov. 2.
Taylor, George M., assignor to P. K. Gullow, Wakefield, Mass. Kite. 2,097,538; Nov. 2.
Taylor, Robert B., near Knoxville, Tenn. Removing skin from fruits. 2,097,479; Nov. 2.
Teas, Charles C., Dallas, Iowa, assignor to Collapsible Tube Closures Inc., Olympia, Wash. Closure for containers. 2,098,170; Nov. 2.
Telephon-Apparat Fabrik E. Zwietusch & Co. G. m. b. H. (See Mauch, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hammer, Arthur, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermanspann, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klotz, Ernst, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Thomas, Adolph A., assignor to Radio Corporation of America, New York, N. Y. Radio tuning apparatus. 2,097,901; Nov. 2.
Thomas, Richard, Los Angeles, Calif. Method of and apparatus for multicolor photography. 2,097,706; Nov. 2.
Tichenor, Carl M., Detroit, Mich. Antenna for motor vehicles. 2,097,707; Nov. 2.
Timm, William H., Appleton, Wis. Machine gun rack. 2,097,939; Nov. 2.
Titanite Alloys Corporation. (See Bates, John B., assignor.)
Tobin, Kenneth J. (See Fehr, E. J., and Tobin.)
Toho Kagakukogyo Kabushiki-Kaisha. (See Saigen, Boku, assignor.)
Toledo Show Case Company, The. (See Mayo, Louis H., assignor.)
Tomlinson, Edward J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,097,539; Nov. 2.
Tomlinson, Fay M., Lebanon, assignor to Arthur M. Hood, trustee, Indianapolis, Ind. Air gun. 2,097,866; Nov. 2.
Torbert, John E., Jr., National City, Calif. Level and support therefor. 2,097,848; Nov. 2.
Torbert, John E., Jr., National City, Calif. Adjustable level. 2,097,849; Nov. 2.
Toyo Cotton Mills Company Limited, The. (See Oita, Kenzo, assignor.)
Tracy, Homer D., Ridgewood, N. J., assignor to The Linen Thread Co. Inc., New York, N. Y. Treating composite strands. 2,097,540; Nov. 2.
Traylor Vibrator Company, The. (See Flint, J. A., and Holt, assignors.)
Trevillian, Guy R. (See McAuley, J. E., and Trevillian.)
Trost, Gustave A., assignor to Fleishhacker Paper Box Company, San Francisco, Calif. Collapsible container. 2,097,708; Nov. 2.
Truscon Steel Company. (See Sindelair, Thomas A., assignor.)
Tucker, Stanley, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of gold bearing materials. 2,097,608; Nov. 2.
Tucker, Stanley, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of gold bearing materials. 2,097,609; Nov. 2.
Tucker, Wilmer H., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric motor. 2,098,073; Nov. 2.
Turner, John, Contoocook, N. H. Chair or seat. 2,097,541; Nov. 2.
Tyler, W. S., Company, The. (See Wettlaufer, William L., assignor.)
Udy, Marvin J., Niagara Falls, N. Y. Manufacture of chrome ore preparations. 2,098,176; Nov. 2.
Uger, Aron, Hamilton, Ontario, Canada. Arch support for shoes. 2,097,958; Nov. 2.
Underwood Elliott Fisher Company. (See Dobson, William A., assignor.)
Union Carbide and Carbon Corporation. (See De Motte, Maurice P., assignor.)
Union Carbide and Carbon Corporation. (See McCurdy, Frederick T., assignor.)
Union Carbide and Carbon Corporation. (See Southgate, George T., assignor.)
Union Carbide and Carbon Corporation. (See Walters, Clyde H., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
Union Switch & Signal Company, The. (See Young, Henry S., assignor.)
United Aircraft Corporation. (See Sikorsky, Igor I., assignor.)
United Engineering & Foundry Company. (See Walters, Harry E., assignor.)
United Fruit Company. (See Mackay, J. T., and Ames, assignors.)
United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)
United Shoe Machinery Corporation. (See Keall, Frank B., assignor.)
United Shoe Machinery Corporation. (See Brown, J. H., and Clarke, assignors.)
United Shoe Machinery Corporation. (See Keall, F. B., and Mawbey, assignors.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See Lineham, R. A., and Clarke, assignors.)
United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Choice, assignors.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United States Hoffman Machinery Corporation. (See Strobridge, William, assignor.)
United States Rubber Products, Inc. (See Hazell, E., and Ogilby, assignors.)
Universal Oil Products Company. (See Fisher, Alfred, assignor.)
Universal Oil Products Company. (See Ipatieff, V., and Komarewsky, assignors.)
Universal Oil Products Company. (See McCaffrey, John W., assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Products Co. (See Ketchem, F., and Dunn, assignors.)
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Detector circuit. 2,097,902; Nov. 2.

Van de Voorde, Eugen, Bremen, Germany. Impregnating and freshing-up device for dry ink ribbons of typewriting machines. 2,098,171; Nov. 2.
Van Sant, Robert H. (See Schertz, F. M., and Van Sant.)
Vater, Willy, Leipzig, Germany. Ball and cup game. 2,097,652; Nov. 2.
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Building construction. 2,097,781; Nov. 2.
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Ash receiver. 2,097,480; Nov. 2.
Von Bon Horst, Earl, San Clemente, Calif. Air-cooled safety tire. 2,097,748; Nov. 2.
Voorhees, Daniel W., Jr., Peru, Ill. Steel tongue for farm trucks. 2,098,018; Nov. 2.
Voorhies, Carl, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Hydraulic valve lifter. 2,098,115; Nov. 2.
Waddington, Arthur S. (See Grey, H., and Waddington.)
Wade, James T., Ogden, Utah, assignor of one-third to S. E. Ward, Green River, Wyo. Toy machine gun. 2,097,749; Nov. 2.
Wakefield, Walter H., assignor to Crompton-Knowles Loom Works, Worcester, Mass. Bobbin release for weft replenishing looms. 2,097,680; Nov. 2.
Waldron, John, Corporation. (See Dickhaut, C. A., and Warner, assignors.)
Walker, Frank R., Glencoe, Ill. Metal supporting device for building construction. 2,098,172; Nov. 2.
Wallace & Tiernan Products, Inc. (See Wallace, Charles F., assignor.)
Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products Inc., Belleville, N. J. Sealing joint and making the same. 2,097,850; Nov. 2.
Wallerstein, Leo, New York, N. Y. Rubber. 2,097,481; Nov. 2.
Wallaert, André, Lille, France. Carding machine. 2,097,992; Nov. 2.
Wallin, Karl V. G., Hedensberg, Sweden. Self-inflating life belt. 2,097,542; Nov. 2.
Wallis, Clarissia, Chicago, Ill. Diaper. 2,097,903; Nov. 2.
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walsh, Samuel R., Valley Falls, R. I., assignor to H & B American Machine Company. Apparatus for making bunch-yarn. 2,097,543; Nov. 2.
Walsh, William H., Pasadena, Calif. Portable sign. 2,097,805; Nov. 2.
Walters, Clyde H., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide & Carbon Corporation. Production of maleic acid. 2,097,904; Nov. 2.
Walters, Harry E., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Making rolls. 2,097,709; Nov. 2.
Ward, Marshall H., Fairfield, assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Water-control thermostat construction. 2,098,201; Nov. 2.
Ward, Samuel E. (See Wade, James T., assignor.)
Warne, Frederick C., assignor to Farm Tools, Inc, Mansfield, Ohio. Disk harrow. 2,098,116; Nov. 2.
Warner, Sterling A. (See Dickhaut, C. A., and Warner.)
Warren, Glenn B., Schenectady, N. Y., assignor to General Electric Company. Locomotive turbine drive. 2,098,074; Nov. 2.
Warren, William F., Ardmore, Okla. Can roller. 2,098,117; Nov. 2.
Watson, David M. (See Munoz, G. C., and Watson.)
Watts, Felix J., assignor to American Electric Switch Corporation, Minerva, Ohio. Switch. 2,097,940; Nov. 2.
Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,098,075; Nov. 2.
Weaver, Earl L., assignor to The Goshen Manufacturing Company, Goshen, Ind. Swing. 2,097,905; Nov. 2.
Weber, Harold C., Milton, Mass., and A. Guyer, Zurich, Switzerland. Process for the production of boron trichloride. 2,097,482; Nov. 2.
Weber, Walter H., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,098,202; Nov. 2.
Webster Warren & Company. (See Rohlin, Karl W., assignor.)
Weeg, Herman T., assignor to Western Research & Development Co., San Francisco, Calif. Liquid dispenser. 2,097,503; Nov. 2.
Weickmann, August. (See Hopff, H., and Weickmann.)
Weidrich, Orrin, Kenmore, N. Y. Surfacing device. 2,097,806; Nov. 2.
Weimerskirch, Louis, Pittsburgh, Pa. Mechanical automatic pilot. 2,098,019; Nov. 2.
Weinryb, Sidney, et al. (See Rivas, Rafael, assignor.)
Wells, Milton H., Scarsdale, N. Y. Lock latch. 2,097,504; Nov. 2.
Wells, Raymond, Bridgeboro, and H. M. Kieckhefer, Riverton, assignors, by mesne assignments, to Kieckhefer Container Company, Delair, N. J. Bottle carrier carton. 2,097,941; Nov. 2.
Wenzl, Richard, Freiburg, Germany. Air cooler. 2,097,851; Nov. 2.
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Lair, J. J. B., and Perroux, assignors.)
Western Electric Company. (See Reichelt, Lester O., assignor.)
Western Railroad Supply Company. (See Gort, Godfrey, assignor.)
Western Research & Development Co. (See Weeg, Herman T., assignor.)
Westinghouse Electric & Mfg. Company. (See Beard, Joseph G., assignor.)
Westlake Manufacturing Corporation. (See Cady, C. P., and Johnson, assignors.)
Wettlaufer, William L., Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio. Crusher for stone and like materials. 2,097,906; Nov. 2.
Weydell, Jarl M., Chicago, Ill. Electrical heating system. 2,097,483; Nov. 2.
Wheeler, James S., Phoenix, Ariz. Copy holder for use in connection with typewriting machines. 2,098,020; Nov. 2.
Wheeler, Phillip R., Alexandria, Va. Control system for transmissions. 2,098,021; Nov. 2.
Wheelwright, J. S., Limited. (See Wheelwright, John S., assignor.)
Wheelwright, John S., Tonbridge, England, assignor to J. S. Wheelwright Limited, London, England. Printing upon porous sheet material. 2,098,118; Nov. 2.
Whisler, Ralph H., St. Clair Shores, Mich., assignor, by mesne assignments, to Carter Carburetor Corporation, St. Louis, Mo. Clutch control. 2,098,076; Nov. 2.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric switch. 2,098,077; Nov. 2.
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Combination fitting for gas dispensing systems. 2,098,119; Nov. 2.
White Springs Distillery, Inc. (See Bowden, Frederick S. and R. B. assignors.)
White, William L., Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Friction material. 2,098,078; Nov. 2.
Whitelaw, Albert, Passaic, and D. J. Bonawit, Glen Park, assignors to Raybestos-Manhattan, Inc., Passaic, N. J. Flexible clutch facing. 2,097,710; Nov. 2.
Whitin Machine Works, The. (See Magrath, George H., assignor.)
Whitman, Hyman L., Bridgewater, Mass. Arch support. 2,097,959; Nov. 2.
Whitney, Maurice P., assignor to Eclipse Machine Company, Elmira, N. Y. Brake mechanism. 2,097,942; Nov. 2.
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Widman, Charles H. (See Northup, A. E., and Widman.)
Wilkinson, Cuthbert G., Kuala Sawah, Federated Malay State of Negri Sembilan. Bearing. 2,098,121; Nov. 2.
Wilkinson, Kenneth J. R., Rugby, England, assignor to General Electric Company. Testing of electrical circuits. 2,098,212; Nov. 2.
Williams, Alfred O. (See Burrows, R. J., and Williams.)
Williams, Elmer E., assignor of thirty-three and a third per cent to C. A. Pedigo, Hull, Tex. Stabilizer for motor vehicles. 2,098,120; Nov. 2.
Williams, Harry W., assignor to The National Cash Register Company, Dayton, Ohio. Nibbling machine. 2,098,022; Nov. 2.
Williams, J. H., & Co. (See Kress, Willard C., assignor.)
Williams, John H., Providence, R. I. Chain for tenter machines. 2,097,960; Nov. 2.
Williams, Roy E., assignor to Highway Trailer Company, Edgerton, Wis. Door holder. 2,097,653; Nov. 2.
Willis, Clodius H., Princeton, N. J., and F. R. Elder and B. D. Bedford, Schenectady, N. Y., assignors to General Electric Company. Electric power transmission system. 2,098,079; Nov. 2.
Willson Products, Inc. (See Shindel, H. F., and Brandt, assignors.)
Wilputte, Adele J. (See Pavitt, William H., assignor.)
Wilsey, Irven H., Chicago, Ill. Coin or token dispenser. 2,097,610; Nov. 2.
Wineman, Wade H., assignor to Sullivan Machinery Company, Michigan City, Ind. Motor. 2,098,122; Nov. 2.
Winslow, Edward N., Shaker Heights, Ohio, assignor to The Mills Company. Structural assembly. 2,097,484; Nov. 2.
Winthrop Chemical Company. (See Hiemenz, W., and Freedman.)
Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Silex Company. Coffee maker. 2,097,681; Nov. 2.
Wolcott, Frank E., West Hartford, Conn., assignor, by mesne assignments, to The Silex Company. Coffee maker stove. 2,097,825; Nov. 2.
Wolff, Robert. (See Eibert, Fritz, assignor.)
Wood, John T., West Asheville, assignor to American Enka Corporation, Enka, N. C. Device for stripping strandular material from circular holders. 2,098,123; Nov. 2.
Woodell, Charles E., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Polishing article. 2,097,654; Nov. 2.
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Incandescent lamp and the like. 2,098,080; Nov. 2.

Wright, William N., Washington, D. C., and W. H. Beach, Alexandria, Va. Sand trap. 2,097,852; Nov. 2.
Wuertz, Alexander J., and W. L. Rintelman, Carrollville, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of anthraquinone dithiazoles. 2,097,867; Nov. 2.
Yancey, William O., San Francisco, Calif. Block toy. 2,098,124; Nov. 2.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 2,097,826; Nov. 2.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,097,827; Nov. 2.
Young, William G. (See Hartung, W. H., Young, and Crossley.)
Youngstown Steel Door Company, The. (See Eklind, Carl E., assignor.)
Young, W. H., Sr. (See Holt, Walter L., assignor.)
Youngman, Robert T., Aldershot, assignor to The Fairey Aviation Company Limited, Hayes, England. Mechanism for actuating the control surfaces of aircraft. 2,097,807; Nov. 2.
Yoxall, Joseph, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England. Band-brake adjusting mechanism. 2,098,125; Nov. 2.
Zagorski, Johann, Berlin, Germany. Valve. 2,097,943; Nov. 2.
Zaltz, Julius E., Hammond, Ind. Bus door safety lock bar. 2,098,126; Nov. 2.
Zoberg, Joseph, West New York, N. J. Scalp air cooling system for permanent hair waving. 2,097,808; Nov. 2.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alumina and a product containing the same, Making crystalline. R. R. Ridgway. 20,547; Nov. 2.
Electron tube. K. W. Jarvis and R. M. Blair. 20,545; Nov. 2.
Gallery, Shooting. C. W. Griffith. 20,544; Nov. 2.
Separator. J. Crites. 20,543; Nov. 2.
Tool, Well. H. C. Otis. 20,546; Nov. 2.

LIST OF DESIGN INVENTIONS

Aerial, Automobile radio. C. M. Tichenor. 106,853–4; Nov. 2.
Alphabet for forming monograms for wearing apparel or similar article, Embroidered decorative. C. Emmey. 106,760; Nov. 2.
Alphabet for forming monograms for wearing apparel or similar article, Embroidered decorative. C. Emmey. 106,786; Nov. 2.
Ashtray. H. A. Fuld. 106,762; Nov. 2.
Bookend. W. E. Mackelfresh, Jr. 106,804–5; Nov. 2.
Bowl or similar article, Deep. C. B. Ilgenfritz and E. E. Slick, Jr. 106,795; Nov. 2.
Bowl or similar article, Sugar. C. B. Ilgenfritz and E. E. Slick, Jr. 106,791; Nov. 2.
Box and display stand, Combined. G. T. Gibson. 106,827; Nov. 2.
Box, Cake. M. H. Connor. 106,759; Nov. 2.
Box, Cigarette. R. R. Hutcheson. 106,770–1; Nov. 2.
Bracket for electric fans, Supporting. A. O. Samuels. 106,822; Nov. 2.
Brush. F. R. Rapids. 106,819; Nov. 2.
Buckle. S. Dorée. 106,783–5; Nov. 2.
Button or similar article. T. J. Flynn and C. G. McClintock. 106,761; Nov. 2.
Cap, Container. E. T. Reynolds. 106,820; Nov. 2.
Carton. R. Guerlain. 106,790; Nov. 2.
Carton for transparent drinking straws. O. W. Dieffenbach. 106,826; Nov. 2.
Case, Kit. W. E. and E. W. Voigt. 106,777; Nov. 2.
Casing and container unit, Combined refrigerator. K. Speck. 106,811; Nov. 2.
Chair or similar article, Upholstered. S. Kaufman. 106,798; Nov. 2.
Charm. H. Krupp. 106,799; Nov. 2.
Coffee maker. O. M. Anderson. 106,778; Nov. 2.
Cooler and dispenser, Combined water. G. J. Wiggenhorn. 106,812; Nov. 2.
Cover for a coffee brewer or similar article, Upper bowl. E. Perlman. 106,808; Nov. 2.
Dispenser, Coffee. F. M. Boyles. 106,781; Nov. 2.
Dress. P. Cohen. 106,839–41; Nov. 2.
Dress. T. Coleman. 106,842–3; Nov. 2.
Dress. B. Fried. 106,815; Nov. 2.
Dress. C. Jaccarino. 106,829–32; Nov. 2.
Dress. I. Kalmis. 106,844; Nov. 2.
Dress. M. P. Kranz. 106,845–9; Nov. 2.
Dress. S. J. Poster. 106,850; Nov. 2.
Dress. P. Schlessel. 106,851; Nov. 2.
Dress. H. M. Sterngold. 106,852; Nov. 2.
Dress. S. J. Velardi. 106,855; Nov. 2.
Dress. H. Zinn. 106,856–7; Nov. 2.
Dress ensemble. E. M. Ciccone. 106,825; Nov. 2.
Dress or similar article. A. Morris. 106,834; Nov. 2.
Extractor, Juice. T. L. Hand. 106,766; Nov. 2.
Fabric or similar article, Textile. A. Stone. 106,776; Nov. 2.
Fabric, Textile. B. R. Levy. 106,802; Nov. 2.
Fabric, Textile. J. E. Maisch. 106,806–7; Nov. 2.
Handle, Door. F. C. Ruppel. 106,821; Nov. 2.
Hearing aid amplifier casing. S. G. Sears. 106,823; Nov. 2.
Holder, Combined tray and beverage container. J. D. de Benque. 106,782; Nov. 2.
Holder, Pen and pencil. F. M. Aimes. 106,752–3 Nov. 2.
Holder, Pipe. E. A. S. Langslow. 106,800; Nov. 2.
Jar. I. Cordy. 106,814; Nov. 2.
Lamp for ranges and the like, Electric. L. Ludwig. 106,803; Nov. 2.
Lamp or similar article. L. L. Stewart. 106,835; Nov. 2.
Lamp or similar article, Reading. L. L. Stewart. 106,836; Nov. 2.
Lighter and cigarette container, Combined pyrophoric. L. V. Aronson. 106,756; Nov. 2.
Lighting fixture. P. D. Phillips. 106,774; Nov. 2.
Medallion or similar article, Display. B. Puclioski. 106,810; Nov. 2.
Nappy or similar article. C. B. Ilgenfritz and E. E. Slick, Jr. 106,796; Nov. 2.
Negligee. J. N. Jebaily. 106,772; Nov. 2.
Ornament, Artificial tree. I. M. Casey. 106,751; Nov. 2.
Pan or similar article. W. Andre. 106,779; Nov. 2.
Patch, Pan. C. Fischer. 106,788; Nov. 2.
Pencil. H. F. Gade. 106,789; Nov. 2.
Pinking machine. H. C. Herschman. 106,816; Nov. 2.
Pitcher or similar article, Milk. C. B. Ilgenfritz and E. E. Slick, Jr. 106,792; Nov. 2.
Plate or similar article. W. T. Johnson. 106,773; Nov. 2.
Protector and marker, Combined grave. O. Sullivan. 106,837; Nov. 2.
Reel, Fishing. L. and S. Gurrieri. 106,828; Nov. 2.
Rug. R. F. Bemporad. 106,757; Nov. 2.
Shoe. D. Gilbert. 106,763–5; Nov. 2.
Shoe. H. J. Heiser. 106,767–8; Nov. 2.
Shoe. A. Hurzeler. 106,769; Nov. 2.
Shoe or similar article. L. Sholtz. 106,775; Nov. 2.
Smock. L. M. Cascardo. 106,824; Nov. 2.
Stand, Display. C. E. Lehman. 106,833; Nov. 2.
Stand or similar article, Telescopic viewing. C. A. Brewer. 106,758; Nov. 2.
Stand, Smoking. H. L. MacCowan. 106,817; Nov. 2.
Stoker or the like. J. J. McGlone. 106,818; Nov. 2.
Stool, Bathroom. G. B. Bentz. 106,780; Nov. 2.
Store front. H. V. Lederer and F. Stanton. 106,801; Nov. 2.
Sweeper, Carpet. C. A. Anderson. 106,754–5; Nov. 2.
Thermometer. R. C. Wappner. 106,838; Nov. 2.
Tile. W. O. Prouty. 106,809; Nov. 2.
Tray or similar article, Oval relish. C. B. Ilgenfritz and E. E. Slick, Jr. 106,797; Nov. 2.
Tub or similar article, Combined butter and almond. C. B. Ilgenfritz and E. E. Slick, Jr. 106,794; Nov. 2.
Tumbler or similar article. C. B. Ilgenfritz and E. E. Slick, Jr. 106,793; Nov. 2.
Vase. M. Exelmans. 106,787; Nov. 2.
Vehicle, Motor. J. Barofsky. 106,813; Nov. 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid compounds. Anthraquinone thiophene and selenophene carboxylic. R. N. Lulek and C. F. Belcher. 2,097,860; Nov. 2.
Acid from the fume gases containing small amounts thereof, Recovering maleic. A. O. Jaeger and J. E. Jewett. 2,098,047; Nov. 2.
Acid, Production of maleic. C. H. Walters. 2,097,904; Nov. 2.
Acids and esters thereof and uses therefor, Substituted succinic. L. P. Kyrides. 2,098,190; Nov. 2.
Acids and products obtainable thereby, Preparing aminocarboxylic. C. Platz and H. Holsten. 2,097,864; Nov. 2.
Acids from aryl ethylenes and the products thereof, Manufacture of sulphonic. H. Grotowsky. 2,097,726; Nov. 2.
Adhesive material. M. H. Kemp. 2,098,187; Nov. 2.
Adhesive, Synthetic resin. A. H. Bowen and T. W. Dike. 2,098,083; Nov. 2.
Adjusting means for control surfaces. I. I. Sikorsky. 2,097,990; Nov. 2.
Advertising or display device. H. Grey and A. S. Waddington. 2,098,143; Nov. 2.
Agitator for acetylene generators, Carbide. M. P. De Motte. 2,097,617; Nov. 2.
Air, Apparatus for conditioning. J. A. Guyer. 2,097,520; Nov. 2.
Air brake. C. A. Campbell. 2,097,964; Nov. 2.
Air conditioning apparatus. R. F. Bixby and J. H. Meyer. 2,097,556; Nov. 2.
Air, Conditioning mine. S. E. T. Ewing and A. L. Egan. 2,097,723; Nov. 2.
Air cooler. R. Wenzl. 2,097,851; Nov. 2.
Air flow control in an air-method cleaner. D. B. Replogle. 2,097,469; Nov. 2.
Alarm, Automatic telephone. R. W. Carnahan. 2,098,133; Nov. 2.
Alarm mechanism for clocks. S. Krakowski. 2,097,818; Nov. 2.
Alcoholic spirits, Producing distilled. F. S. and R. B. Bowden. 2,097,545; Nov. 2.
Alcohols, Manufacture of. W. H. Hartung, W. G. Young, and F. S. Crossley. 2,098,206; Nov. 2.
Alcohols, Sulphonating. C. M. Suter. 2,098,114; Nov. 2.
Alkyl halides, Synthesis of. H. R. Arnold and E. T. Lessig. 2,097,750; Nov. 2.
Alloys, Rolling. F. T. McCurdy. 2,097,768; Nov. 2.
Alloys, Tin. D. Hanson and W. T. Tell-Walpole. 2,097,727; Nov. 2.
Alternating current motor, Single phase. S. Seltner. 2,097,577; Nov. 2.
Aluminum alloy. J. B. Bates. 2,098,081; Nov. 2.
Amines, Preparation of secondary aromatic. A. G. and A. J. Hill. 2,098,039; Nov. 2.
Ammonium compounds, Quaternary. H. A. Piggott. 2,097,640; Nov. 2.
Amplifying arrangement. B. Salzberg. 2,097,896; Nov. 2.
Amylaceous materials, Fermentation of. H. R. Stiles. 2,098,199; Nov. 2.
Anesthetic, Surface. D. Curtis. 2,097,687; Nov. 2.
Anode. H. H. Blouch. 2,097,508; Nov. 2.
Antenna for motor vehicles. C. M. Tichenor. 2,097,707; Nov. 2.
Anthraquinone derivatives. F. Lodge. 2,097,672; Nov. 2.
Anthraquinone dithiazoles, Preparation of. A. J. Wuertz and W. L. Rintelman. 2,097,867; Nov. 2.
Arch support. H. L. Whitman. 2,097,959; Nov. 2.
Arch support for shoes. A. Uger. 2,097,958; Nov. 2.
Articles of paper pulp, Method of and apparatus for molding. H. V. Mitchell. 2,098,008; Nov. 2.
Ash receiver. J. Visser. 2,097,480; Nov. 2.
Atomizer, Self cleaning. W. MacDonald. 2,097,696; Nov. 2.
Automobile elevating and supporting structure. E. J. Fehr and K. J. Tobin. 2,098,184; Nov. 2.
Awning. I. P. Smith. 2,097,704; Nov. 2.
Azo compounds and their production. J. P. Penny. 2,097,638; Nov. 2.
Backs of book covers, Mechanism for shaping the. A. J. Moyer. 2,098,060; Nov. 2.
Bag frames and blanks therefor, Making. W. J. Klemp. 2,097,927; Nov. 2.
Bags, Apparatus for closing. R. N. and L. A. Cundall. 2,097,448; Nov. 2.
Bags, Apparatus for filling, sewing, and sealing. R. N. and L. A. Cundall. 2,097,447; Nov. 2.
Bags, Apparatus for filling, sewing, and sealing. R. N. and L. A. Cundall. 2,097,449; Nov. 2.
Bags, Apparatus for sewing and sealing filled. R. N. and L. A. Cundall. 2,097,450; Nov. 2.
Balance. H. Bennett. 2,097,753; Nov. 2.
Balancing device for grinding or polishing wheels. J. Roche. 2,097,894; Nov. 2.
Ball joint. R. F. Kimmont. 2,098,188; Nov. 2.
Band-brake adjusting mechanism. J. Yoxall. 2,098,125; Nov. 2.
Bar: *See*—
Lock bar.
Basket manufacture. S. C. Lampert. 2,098,049; Nov. 2.
Batching apparatus. L. H. Garlinghouse. 2,097,551; Nov. 2.
Battery terminal protector. J. F. Gamble. 2,098,091; Nov. 2.
Bearing. C. G. Wilkinson. 2,098,121; Nov. 2.
Bearing and manufacturing the same, Anti-friction. A. G. Grabe. 2,097,878; Nov. 2.
Bearing assembling machine, Roller. F. Ketcham and G. E. Dunn. 2,097,669; Nov. 2.
Bearing cup extracting tool. B. Cook and E. C. Pfeffer. 2,098,134; Nov. 2.
Bearing material, Making a porous. R. P. Koehring. 2,097,671; Nov. 2.
Bearing shells, Method and machine for forming. W. J. Fiegel. 2,097,692; Nov. 2.
Bearing shells, Method and machine for forming flanged. W. J. Fiegel. 2,097,691; Nov. 2.
Belt, Self-inflating life. K. V. G. Wallin. 2,097,542; Nov. 2.
Bench method and apparatus, Push. G. S. McLay 2,098,153; Nov. 2.
Bench saw table. T. L. Hedgpeth. 2,097,920; Nov. 2.
Bezels and escutcheon plates, Retaining means for. C. E. Caestecker. 2,097,511; Nov. 2.
Blowers, Air controlling device for. J. Hanus. 2,098,144; Nov. 2.
Blow-off for steam boilers, Continuous. H. F. Shaw. 2,097,648; Nov. 2.
Bobbin release for weft replenishing looms. W. H. Wakefield. 2,097,680; Nov. 2.
Body-resting device. M. Baltich. 2,097,751; Nov. 2.
Bolt, Key actuated locking. H. H. Kistner. 2,098,189; Nov. 2.
Bolted joint. A. W. Ashley. 2,097,713; Nov. 2.
Book leaf securing means. G. A., and N. Lestl. 2,097,626; Nov. 2.
Books, Forming. F. J. Leyerle. 2,097,888; Nov. 2.
Booth, Spray. J. E. Ludwig. 2,097,953; Nov. 2.
Boron trichloride, Production of. H. C. Weber and A. Guyer. 2,097,482; Nov. 2.
Bottle neck construction. S. W. Burnham. 2,097,912; Nov. 2.
Box feeding device for strapping machines. G. C. Paxton. 2,097,774; Nov. 2.
Box for dispensing tissues. S. Herz. 2,097,858; Nov. 2.
Box or carton. C. J. Munce. 2,097,891; Nov. 2.
Bracket for hoists, Suspension. F. E. Stahl. 2,097,957; Nov. 2.
Brake: *See*—
Air brake. Car brake.
Brake mechanism. M. P. Whitney. 2,097,942; Nov. 2.
Brake shoe construction. R. J. Burrows and A. O. Williams. 2,097,584; Nov. 2.
Brake unit, Reaction type power. E. R. Evans. 2,097,873; Nov. 2.
Braking system, Hydraulic. F. O. Miller. 2,097,889; Nov. 2.
Brew cooling. H. E. Schulse. 2,098,211; Nov. 2.
Brush, Carbon. R. Palmer. 2,098,062; Nov. 2.
Brush for shearing machines, Raising. F. H. Hardy. 2,097,790; Nov. 2.
Brush, Surgical hand. E. Johnson. 2,097,461; Nov. 2.
Building construction. C. E. Tarbell. 2,097,580; Nov. 2.
Building construction. F. M. Venzie. 2,097,781; Nov. 2.
Buildings and like structures, Insulating. J. L. Finck. 2,098,138; Nov. 2.
Bumper, Automobile safety. E. L. Daily. 2,097,833; Nov. 2.
Bumper jack. A. L. Johnson. 2,097,949; Nov. 2.
Bunch-yarn, Apparatus for making. S. R. Walsh. 2,097,543; Nov. 2.
Butyl-acetonic fermentation process. H. R. Stiles. 2,098,200; Nov. 2.
Cabinet, Refrigerated. V. Miñana and J. A. Gallano. 2,098,155; Nov. 2.
Cable and making the same, Electrical. L. O. Reichelt. 2,097,501; Nov. 2.
Cable clamp. R. H. Kingdon. 2,097,695; Nov. 2.
Cable, Electrical. M. W. Reed. 2,098,162-3; Nov. 2.
Cadmium, Plating of. G. Lutz. 2,097,630; Nov. 2.
Calipering apparatus. R. A. Cole. 2,097,784; Nov. 2.

Can filler, Automatic. G. D. Robinson. 2,097,844; Nov. 2.
Can filling machine. W. E. Lacey. 2,097,887; Nov. 2.
Can roller. W. F. Warren. 2,098,117; Nov. 2.
Cap and spout for liquid dispensing containers, Combined. O. G. Nilson. 2,097,674; Nov. 2.
Cap, Distributor. J. L. Arthur and W. D. Schrope. 2,097,426; Nov. 2.
Cap, Electrical connecter. J. H. Ruth. 2,097,603; Nov. 2.
Car and the like, Mine. G. E. Edmunds. 2,097,967-8; Nov. 2.
Car brake, Loaded and light. W. H. Bell. 2,098,129; Nov. 2.
Car, House. C. E. Eklind. 2,098,183; Nov. 2.
Car, Mine. G. E. Edmunds. 2,097,966; Nov. 2.
Car protector. C. W. Hutchinson. 2,097,923; Nov. 2.
Carbide lamp. C. W. Schafer. 2,098,167; Nov. 2.
Carburetor. W. H. Weber. 2,098,202; Nov. 2.
Card. Dial. H. Hassenfeld. 2,098,003; Nov. 2.
Carding machine. A. Wallaert. 2,097,992; Nov. 2.
Carton, Bottle carrier. R. Wells and H. M. Kieckhafer. 2,097,941; Nov. 2.
Case: *See*—
Food display case. Shipping case
Casing head. E. Burns and H. P. Wickersham. 2,097,615; Nov. 2.
Casings and the like, Process and apparatus for making sausage. R. L. Atkinson. 2,097,684; Nov. 2.
Cellular structure. J. Pavlecka. 2,097,597-9; Nov. 2.
Cellulose acetate and its preparation, Haze free. C. J. Malm. 2,097,464; Nov. 2.
Cement, Apparatus for use in making. W. Dyckerhoff. 2,098,136; Nov. 2.
Cement fiber and the like products, Process and apparatus for making and coloring. C. Batcheller. 2,097,613; Nov. 2.
Cementing machine. I. L. Keith. 2,098,101; Nov. 2.
Ceramic ware, Method and apparatus for firing. E. J. Harris. 2,097,620; Nov. 2.
Chain for tenter machines. J. H. Williams. 2,097,960; Nov. 2.
Chair. B. H. Drake. 2,097,618; Nov. 2.
Chair. C. H. Oermann. 2,097,500; Nov. 2.
Chair or analogous article of furniture. E. A. Kann. 2,097,884; Nov. 2.
Chair or seat. J. Turner. 2,097,541; Nov. 2.
Channel cementing machine. C. A. Newhall. 2,097,573; Nov. 2.
Charge forming mechanism. P. Maniscalco. 2,097,526; Nov. 2.
Check, Parcel. W. A. Rice. 2,098,164; Nov. 2.
Checking device. J. T. Mackay and H. C. Ames. 2,097,861; Nov. 2.
Chicken fountain. D. B. Dreese. 2,097,563; Nov. 2.
Chlorbutadiene, Production of. E. Eberhardt and R. Stadler. 2,098,089; Nov. 2.
Chlorides, Aromatic polyether. H. A. Bruson. 2,097,441; Nov. 2.
Chloroethers, Phenolic. H. A. Bruson. 2,098,204; Nov. 2.
Chute for coin collectors, Coin. P. E. Mille. 2,097,497-8; Nov. 2.
Circuit breaker. R. R. Pittman and C. H. Walsh. 2,097,775; Nov. 2.
Circuit, Control. H. L. Barney. 2,097,507; Nov. 2.
Circuit, Detector. R. Urtel. 2,097,902; Nov. 2.
Circuit for television receivers, Amplitude filter. K. Schlesinger. 2,097,804; Nov. 2.
Circuit, High frequency oscillating. N. M. Rust. 2,097,937; Nov. 2.
Circuit, Timing. H. W. Lord. 2,098,052; Nov. 2.
Circuits, Display lighting. M. Guérin and P. Breton. 2,098,002; Nov. 2.
Circuits, Electric valve translating. E. F. W. Alexanderson. 2,098,023; Nov. 2.
Circuits, Power supply. W. T. Hudtwalker. 2,097,882; Nov. 2.
Circuits, Testing of electrical. K. J. R. Wilkinson. 2,098,212; Nov. 2.
Clamp: *See*—
Cable clamp.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Rope clip. Slate supporting clip.
Clipper, Hair. J. W. Dilks. 2,098,180; Nov. 2.
Clock, Alarm. J. E. Kinnear. 2,097,487; Nov. 2.
Closet, Sanitary. A. J. Crawford. 2,097,997; Nov. 2.
Closure for containers. C. C. Teas. 2,098,170; Nov. 2.
Closure for paper cartons, Metallic end. J. M. Frederick. 2,097,917; Nov. 2.
Closure for paper containers. A. K. Scott. 2,097,647; Nov. 2.
Clutch: *See*—
Electromagnetic clutch.
Clutch. T. L. Fawick. 2,097,856; Nov. 2.
Clutch control. R. H. Whisler. 2,098,076; Nov. 2.
Clutch facing, Flexible. A. Whitelaw and D. J. Bonawit. 2,097,710; Nov. 2.
Clutch mechanism. A. W. Mall and T. A. Long. 2,097,731; Nov. 2.
Coffee berries, Treating green. S. E. Finley. 2,097,591; Nov. 2.
Coffee maker. F. E. Wolcott. 2,097,681; Nov. 2.

Coin counting machine. J. W. Hess. 2,097,792; Nov. 2.
Coin or token dispenser. I. H. Wilsey. 2,097,610; Nov. 2.
Coin receiver. C. H. Green. 2,097,456; Nov. 2.
Collapsible container. G. A. Trost. 2,097,708; Nov. 2.
Color intermediates, Ice. M. A. Dahlen and M. E. Friedrich. 2,097,915; Nov. 2.
Column structure. J. Pavlecka. 2,097,600; Nov. 2.
Combing machine for wool, cotton and the like. K. J. Schmitt. 2,097,824; Nov. 2.
Composition for destroying suckers in tobacco and tomato plants. C. O. Daughety. 2,098,135; Nov. 2.
Compressor. C. L. Rayfield. 2,098,065; Nov. 2.
Compressor or pump, rotary. C. M. Ayre. 2,097,714; Nov. 2.
Condensation products of 1,2,3,4-butylene-dioxides and making same. H. Hopff and A. Welckmann. 2,098,097; Nov. 2.
Connecter: *See*—
Electrical connecter.
Contact mechanism. J. A. Favre. 2,098,032; Nov. 2.
Container: *See*—
Collapsible container. Transparent container.
Dispensing container.
Container. G. E. Andersen. 2,097,682; Nov. 2.
Container. L. P. Lansing. 2,097,819; Nov. 2.
Container. G. T. Phelps. 2,097,736; Nov. 2.
Container. S. Reich. 2,097,893; Nov. 2.
Container for handling goods, Shipping. R. E. Ford. 2,098,090; Nov. 2.
Containers, Forming. S. Smith. 2,097,899; Nov. 2.
Containers, Sealing. R. M. Bergstein. 2,097,427; Nov. 2.
Control for machine guns, Remote. L. A. Boussel. 2,097,962; Nov. 2.
Control system for transmissions. P. R. Wheeler. 2,098,021; Nov. 2.
Conveyer control system. F. W. Atz, Jr. 2,097,909; Nov. 2.
Cooking, Means for. C. M. Howell. 2,097,793; Nov. 2.
Cooler: *See*—
Air cooler.
Copper, Deoxidation of. R. Perrin. 2,098,063; Nov. 2.
Cord. Lamp. J. H. Jewell and O. A. McNamee. 2,098,149; Nov. 2.
Cord tensioning device for tuning means. E. König. 2,097,928; Nov. 2.
Costume, Bathing. E. M. Rothman. 2,097,777; Nov. 2.
Coupler, Car. F. H. Kayler. 2,098,207; Nov. 2.
Coupling. F. C. Liebhardt. 2,097,628; Nov. 2.
Cover fastener. P. L. Berke. 2,097,717; Nov. 2.
Crusher for stone and like material. W. L. Wettlaufer. 2,097,906; Nov. 2.
Cultivator and planter. C. G. Strandlund. 2,097,678; Nov. 2.
Curtain construction. F. A. Schuetz. 2,098,016; Nov. 2.
Curtain rod, Traverse. A. A. Allen. 2,097,907; Nov. 2.
Cutter for reapers and similar agricultural implements. Tangle. F. M. Hite. 2,097,921; Nov. 2.
Cutting device. C. E. Moore. 2,097,636; Nov. 2.
Cutting device. K. Peiseler. 2,098,159; Nov. 2.
Cyclopentadienone condensation compounds and making them. W. Dilthey. 2,097,854; Nov. 2.
Decorative article. I. M. Casey. 2,097,513; Nov. 2.
Deicing apparatus for airplanes. L. B. Kimball. 2,097,926; Nov. 2.
Delivery enclosure. W. E. Mack. 2,098,053; Nov. 2.
Detector: *See*—
Magnetron detector.
Detergent composition. O. A. Pickett and A. L. Osterhof. 2,097,737; Nov. 2.
Diaper. C. Wallis. 2,097,903; Nov. 2.
Die. H. W. Riddle. 2,097,644; Nov. 2.
Die and pattern, Combined. F. L. Foster. 2,097,693; Nov. 2.
Disk harrow. F. C. Warne. 2,098,116; Nov. 2.
Dispenser: *See*—
Coin or token dispenser. Liquid dispenser.
Dispenser. A. H. Gollings. 2,097,813; Nov. 2.
Dispensing container. H. E. Schulse. 2,098,210; Nov. 2.
Dispensing device. P. L. Perritt. 2,098,160; Nov. 2.
Display, Multiple compartment merchandise. L. H. Mayo. 2,097,635; Nov. 2.
Display rack. R. J. Gruenberg. 2,097,553; Nov. 2.
Door holder. J. Harrison. 2,098,175; Nov. 2.
Door holder. R. E. Williams. 2,097,653; Nov. 2.
Door, Overhead. O. C. Johnson. 2,097,950; Nov. 2.
Drier with centrifugal dust separator, Vacuum. L. H. Bailey. 2,098,024; Nov. 2.
Drinking fountain, Float controlled. H. S. Brembeck. 2,097,719; Nov. 2.
Drive, Locomotive turbine. G. B. Warren. 2,098,074; Nov. 2.
Drive mechanism, Accessary. B. D. Scott. 2,097,742; Nov. 2.
Drive, Motor vehicle. G. Tasso. 2,098,071; Nov. 2.
Drive system, Electric. T. Buchhold. 2,098,177; Nov. 2.
Dumping mechanism, Carpet sweeper. N. W. Cummins. 2,097,549; Nov. 2.
Dwelling assembled from prefabricated units. J. H. Kennedy. 2,097,796; Nov. 2.
Dyestuffs, Acetate artificial silk. P. G. Carter, R. H. Sennett, and C. Shaw. 2,097,432; Nov. 2.
Dyestuffs, Pigment azo. A. Modersohn and W. Schleifenbaum. 2,097,734; Nov. 2.
Edgesetter, Automatic. M. W. Howard. 2,097,948; Nov. 2.

Electric motor. W. H. Tucker. 2,098,073; Nov. 2.
Electric steam generator. K. Beyrodt. 2,097,581–2; Nov. 2.
Electric switch. E. J. Dillman. 2,098,181; Nov. 2.
Electric switch. H. B. White. 2,098,077; Nov. 2.
Electric systems, Protection of. K. Fukushima. 2,098,035; Nov. 2.
Electric wiring support. C. W. Abbott and G. A. Johnson. 2,097,993; Nov. 2.
Electrical connecter. J. P. Putnam. 2,097,642; Nov. 2.
Electrical connecter. J. C. Richardson. 2,097,470; Nov. 2.
Electrical disruptive discharges, Producing. G. Steerup. 2,097,477; Nov. 2.
Electrical heating system. J. M. Weydell. 2,097,483; Nov. 2.
Electrical illuminating device. D. J. Kelman. 2,097,795; Nov. 2.
Electrical instrument. H. Dallmann. 2,098,029; Nov. 2.
Electrode, Welding. F. R. Hensel and E. I. Larsen. 2,097,816; Nov. 2.
Electromagnetic clutch. H. E. Hodgson. 2,097,922; Nov. 2.
Electromagnetic device. W. C. Roe. 2,097,823; Nov. 2.
Electromagnetic relay. A. G. Stimson. 2,098,070; Nov. 2.
Electron discharge device. E. Kobel. 2,097,490; Nov. 2.
Electron discharge system for ultra-short waves. J. G. Chaffee. 2,097,514; Nov. 2.
Emulsions, Preparation of. R. C. Newton, W. F. Bollens, and L. C. Brown. 2,098,010; Nov. 2.
Engine: *See*—
Internal combustion Rotary engine.
engine.
Envelope. C. F. Elmore. 2,097,916; Nov. 2.
Envelope construction. L. D. Arp and W. H. Fischer. 2,097,505; Nov. 2.
Envelope or bag making machinery. A. Novick. 2,097,772; Nov. 2.
Erosions and perforations in metal containers, Preventing. C. B. Strauch. 2,097,847; Nov. 2.
Esters of cellulose and preparing them, High viscosity organic. C. J. Malm. 2,097,954; Nov. 2.
Excavating and hoisting machine. G. E. Baldry. 2,098,173; Nov. 2.
Exterminating device for bugs and insects. G. S. and S. H. Boyd. 2,098,027; Nov. 2.
Extractor: *See*—
Vacuum extractor.
Facial treatment. H. Lohr. 2,097,952; Nov. 2.
Fan with rubber blades. E. S. Preston. 2,098,107; Nov. 2.
Fastener: *See*—
Cover fastener. Tag fastener.
Spring fastener.
Feed mechanism for cotton hullers and cleaners. C. E. Hagler. 2,098,092; Nov. 2.
Feeder: *See*—
Vibratory feeder.
Feeding mechanism for rock drills. J. C. Curtis. 2,097,561; Nov. 2.
Fertilizer and making same, Nitrogenous. E. F. Grether. 2,097,457; Nov. 2.
Fertilizer and making same, Phosphate-sulphur. J. T. Claiborne, Jr., and P. D. Peterson. 2,097,446; Nov. 2.
Fiber, Treatment of vegetable. J. S. Sconce. 2,098,111; Nov. 2.
Film reel construction. E. L. Schaub. 2,097,778; Nov. 2.
Filter: *See*—
Oil filter. Sea water filter.
Filter. C. W. Hansell. 2,097,458; Nov. 2.
Filter. C. H. Nordell. 2,097,529; Nov. 2.
Firearm. M. A. Browning. 2,097,782; Nov. 2.
Fire extinguishing composition. J. A. Henricks, Jr. 2,097,486; Nov. 2.
Fire extinguishing system. S. E. Allen. 2,097,908; Nov. 2.
Fireproofing. E. R. Boller. 2,097,509; Nov. 2.
Fish lure. E. L. Hoefler. 2,098,095; Nov. 2.
Fish lure. C. E. McEwen. 2,097,986; Nov. 2.
Fitting for gas dispensing systems, Combination. L. J. White. 2,098,119; Nov. 2.
Flexible pipe, Noncollapsing. H. J. Hersey and D. B. Mikesell. 2,097,663; Nov. 2.
Flour, Device for sifting and fluffing. J. D. Roberson. Nov. 2.
Fluid-applying machine. J. H. Brown and T. B. Clarke. 2,097,557; Nov. 2.
Fly paper. W. S. Kell. 2,097,924; Nov. 2.
Food display case, Refrigerator. L. W. C. Peddicord. 2,097,530; Nov. 2.
Food mixer. I. Jepson. 2,098,098; Nov. 2.
Food product, Leguminous. S. Musher. 2,097,863; Nov. 2.
Foot appliance. R. Lustig. 2,097,930; Nov. 2.
Foot, Joint, and ankle, Artificial. L. H. Simonsson. 2,098,067; Nov. 2.
Fountain: *See*—
Chicken fountain. Ink fountain.
Drinking fountain.
Fountain spraying device. A. A. Maryott. 2,097,985; Nov. 2.
Frame: *See*—
Truck side frame.
Fuel control system. H. M. Corse. 2,098,178; Nov. 2.
Fuel feed means. F. Lang. 2,097,492; Nov. 2.
Fuel mixture adjustment according to temperatures, Automatic. L. B. Kimball. 2,097,925; Nov. 2.
Fuel particles, Apparatus for treating solid. E. Cooper and T. C. Shiels. 2,097,914; Nov. 2.
Fuse having a centrifugal drive, Mechanical time. H. Junghans. 2,097,836; Nov. 2.
Game. H. J. Osvold. 2,098,011; Nov. 2.
Game, Ball and cup. W. Yater. 2,097,652; Nov. 2.
Game, Marble. F. H. King. 2,097,670; Nov. 2.
Garment pressing machine. W. Strobridge. 2,097,746; Nov. 2.
Gas generating system. G. H. Magee. 2,097,463; Nov. 2.
Gas lamp, Electric incandescent high pressure. H. Swanson. 2,097,679; Nov. 2.
Gas, Purification and utilization of sewage sludge digester. A. J. Fischer. 2,097,454; Nov. 2.
Gases, Apparatus for cooling and rectifying mixed. W. L. De Baufre. 2,097,434; Nov. 2.
Gases in liquids, Apparatus for the fine dispersion of. J. Schierenbeck. 2,097,605; Nov. 2.
Gases or suspensions in air or gaseous medium, Device for detecting the presence of foreign. G. K. E. H. Stampe. 2,097,650; Nov. 2.
Gasoline, Stabilized colored. J. W. Orelup. 2,097,773; Nov. 2.
Gasoline tank lock. D. F. Hammond. 2,097,661; Nov. 2.
Gauge: *See*—
Wind pressure gauge.
Gearing, Change speed. A. E. Hummer. 2,097,566; Nov. 2.
Generator: *See*—
Electric steam generator.
Glass articles, Method of and apparatus for forming hollow. G. E. Howard. 2,098,186; Nov. 2.
Gold bearing materials, Concentration of. S. Tucker. 2,097,608–9; Nov. 2.
Goods, Method of and machine for packaging. E. F. Chambless. 2,097,515; Nov. 2.
Grinder attachment. E. L. Hussmann. 2,098,147; Nov. 2.
Grinder, Rotary. E. B. Myers. 2,097,890; Nov. 2.
Grinder, Surface. A. De Marchi and D. A. Sandin. 2,097,655; Nov. 2.
Grinding apparatus, Terrazzo. A. W. Mall. 2,097,730; Nov. 2.
Grinding machine. H. L. Blood. 2,097,429; Nov. 2.
Grinding machine. L. G. Casey. 2,097,944; Nov. 2.
Grinding machine. R. A. Cole. 2,097,783; Nov. 2.
Grinding machine for reamers and like tools. A. C. Hoch. 2,097,664; Nov. 2.
Grinding wheel. B. Sanford. 2,097,803; Nov. 2.
Gripping device for tubes of heat-exchange apparatus. R. Armstrong. 2,097,683; Nov. 2.
Guard or bridle, Broom. A. D. Fiveshilling. 2,097,787; Nov. 2.
Gun, Air. F. M. Tomlinson. 2,097,866; Nov. 2.
Gun and hunting knife combination. V. Foley and J. J. Henning. 2,098,139; Nov. 2.
Gun, Grease. A. W. Arnold. 2,097,612; Nov. 2.
Gun, Rubber band. L. and A. Gagnon. 2,098,001; Nov. 2.
Hat fastening device. S. Getmansky. 2,097,877; Nov. 2.
Head band attachment for respirators. H. F. Shindel and A. D. Brandt. 2,097,676; Nov. 2.
Hearing aid. F. L. Alloway. 2,097,554; Nov. 2.
Heater: *See*—
Radiant orchard heater. Water heater.
Heater for salt baths, Immersion. A. Kärcher. 2,097,981; Nov. 2.
Heating and ventilating system. R. J. Parsons. 2,098,194; Nov. 2.
Heating device. A. M. Haas. 2,097,521; Nov. 2.
Hinge: *See*—
Ratchet hinge.
Hoist. F. E. Stahl. 2,097,956; Nov. 2.
Holder: *See*—
Door holder.
Holder for use in connection with typewriting machines, Copy. J. S. Wheeler. 2,098,020; Nov. 2.
Hollow mill, Adjustable. O. Severson. 2,097,808; Nov. 2.
Hook: *See*—
Meat hook.
Hose, Fire. H. McKay. 2,097,862; Nov. 2.
Humidifier, Automatic. H. J. M. Burdick. 2,097,548; Nov. 2.
Hydrant. L. R. Miller. 2,097,733; Nov. 2.
Hydraulic valve lifter. C. Voorhies. 2,098,115; Nov. 2.
Hydrocarbons by means of catalysts, Cracking. F. Schick and E. Emilius. 2,097,989; Nov. 2.
Hydrocarbons, Conversion and coking of. A. Fisher. 2,098,033; Nov. 2.
Hydrocarbons of high molecular weight, Production of. H. Rabe and M. Otto. 2,097,468; Nov. 2.
Hydrocarbons, Treatment of. V. Ipatieff and V. Komarewsky. 2,098,045–6; Nov. 2.
Hydrocarbons, Treatment of. W. O. Mitscherling. 2,097,769; Nov. 2.
Hypochlorite composition, , Soluble. C. B. Durgin. 2,097,517; Nov. 2.
Ice vending machine. J. H. Schreiber. 2,097,897; Nov. 2.
Identifying means for automobiles and the like. J. P. Nielsen. 2,098,156; Nov. 2.
Ignition and control device for oven burners. B. L. Matthews. 2,098,192; Nov. 2.
Ignition control device. B. C. Phillips. 2,097,842; Nov. 2.
Ignition control device. C. L. Prentice. 2,097,776; Nov. 2.
Illuminating device for microscopes. E. Lihotzky. 2,097,494; Nov. 2.

Impregnating and freshing-up device for dry ink ribbons of typewriting machines. E. van de Voorde. 2,098,171; Nov. 2.
Incandescent screen. H. S. Bamford. 2,097,994; Nov. 2.
Indicator: *See*—
Liquid flow indicator. Oil delivery control indicator.
Liquid level indicator.
Inhaler, Nasal. C. B. Strauch. 2,097,846; Nov. 2.
Inhibitor. F. C. Carlson. 2,097,512; Nov. 2.
Ink fountain. H. G. Harwood and B. G. Albee. 2,097,621; Nov. 2.
Instrument panel and radio receiver, Combined. R. C. Ellis. 2,097,872; Nov. 2.
Insulating, cellulosic medium. F. W. Hochstetter. 2,097,694; Nov. 2.
Insulation, Heat. C. G. Munters. 2,098,193; Nov. 2.
Insulation material. J. A. Malcolm. 2,097,595; Nov. 2.
Intaglio printing machine. F. Heller. 2,097,791; Nov. 2.
Interlocking system for railroads. W. T. Powell. 2,097,800; Nov. 2.
Internal combustion engine. M. Essl. 2,098,031; Nov. 2.
Internal combustion engine, Opposed piston. J. L. Bogert. 2,097,583; Nov. 2.
Iodine compounds, Water-soluble organic. W. Hilemenz and L. Freedman. 2,098,094; Nov. 2.
Ironing table, Collapsible. C. A. Forney. 2,097,724; Nov. 2.
Jack: *See*—
Bumper jack.
Jacquard feeding mechanism. E. R. Holmes. 2,097,666; Nov. 2.
Jewelry finding. E. Morehouse. 2,098,104; Nov. 2.
Jig, Dye. B. C. Gibbs. 2,097,592; Nov. 2.
Joint: *See*—
Ball joint. Bolted joint.
Joint and making the same, Sealing. C. F. Wallace. 2,097,850; Nov. 2.
Joist. E. D. Coddington. 2,097,722; Nov. 2.
Kite. G. M. Taylor. 2,097,538; Nov. 2.
Knitting machine. R. H. Lawson and A. N. Cloutier. 2,098,050; Nov. 2.
Knitting machines, Thread guide and tensioning means for. W. P. Ford. 2,097,565; Nov. 2.
Lamp: *See*—
Carbide lamp. Projector lamp.
Gas lamp.
Lamp and operating same. C. Spaeth. 2,098,113; Nov. 2.
Lamp and the like, Incandescent. D. K. Wright. 2,098,080; Nov. 2.
Lasting machine. F. B. Keall. 2,097,567; Nov. 2.
Latch: *See*—
Lock latch.
Latching device, Shock absorbing. G. F. McDougall. 2,097,596; Nov. 2.
Lead and lead alloys. W. T. Butcher. 2,097,560; Nov. 2.
Lettuce in packing and shipping, Treating. J. H. Grande. 2,098,209; Nov. 2.
Level, Adjustable. J. E. Torbert, Jr. 2,097,849; Nov. 2.
Level and support therefor. J. E. Torbert, Jr. 2,097,848; Nov. 2.
Lift, Automobile. C. J. Bristol. 2,097,853; Nov. 2.
Lifter: *See*—
Hydraulic valve lifter.
Lighter, Cigarette. I. Florman. 2,097,973; Nov. 2.
Lime, Making. G. F. Horton. 2,097,979; Nov. 2.
Liner setting tool. C. C. Brown. 2,097,755; Nov. 2.
Linoleum, Making inlaid. W. Rowe and A. B. Miller. 2,098,015; Nov. 2.
Liquid dispenser. H. T. Weeg. 2,097,503; Nov. 2.
Liquid dispensing apparatus. E. G. Hedges and R. Stickles. 2,098,093; Nov. 2.
Liquid flow indicator. L. M. Rugel and P. F. Rugel. 2,097,535; Nov. 2.
Liquid level indicator. J. D'Arcey. 2,098,085; Nov. 2.
Liquids, Purifying polluted. C. H. Shook. 2,097,779; Nov. 2.
Lock: *See*—
Gasoline tank lock. Pin or bolt lock.
Lock. T. H. Johnstone. 2,098,150; Nov. 2.
Lock and more particularly door locks for automobiles. M. Papst. 2,098,012; Nov. 2.
Lock bar, Bus door safety. J. E. Zaltz. 2,098,126; Nov. 2.
Lock latch. M. H. Wells. 2,097,504; Nov. 2.
Locking device. R. Rivas. 2,097,802; Nov. 2.
Looms, Attachment for. W. L. Holt. 2,097,859; Nov. 2.
Looms, Warp stop motion for. J. J. Kearby. 2,097,951; Nov. 2.
Lubricating apparatus. E. W. Davis. 2,097,871; Nov. 2.
Luminescent screen. P. T. Farnsworth and B. C. Gardiner. 2,098,000; Nov. 2.
Machine and method for cooking a complete meal. W. R. Scharsch. 2,097,471; Nov. 2.
Machine for conditioning false teeth. H. P. Pfeiffer. 2,097,701; Nov. 2.
Machine for cutting comb honey. A. Perreton. 2,097,639; Nov. 2.
Machine for manufacturing incandescent lamps. J. F. Donovan and G. Illingworth. 2,098,030; Nov. 2.
Machine for sorting punched cards mechanically and electrically. M. Jacob. 2,097,764; Nov. 2.
Machine gun rack. W. H. Timm. 2,097,939; Nov. 2.
Magnesium dust into compact metallic magnesium, Conversion of. K. Erdmann and F. Hansgirg. 2,097,689; Nov. 2.
Magnetic testing device. J. Pfaffenberger. 2,098,064; Nov. 2.
Magnetic testing, Method of and apparatus for. F. P. Fahy. 2,097,947; Nov. 2.
Magnetron detector. K. Fritz. 2,097,918; Nov. 2.
Mallet. E. E. Hosier. 2,097,459; Nov. 2.
Marker, Lens. J. L. Brenner. 2,097,832; Nov. 2.
Masonry. H. C. Mathers. 2,097,821; Nov. 2.
Massage device. L. Fisher. 2,097,455; Nov. 2.
Match. H. Silver. 2,097,780; Nov. 2.
Match packet. J. C. Leukhardt. 2,097,839; Nov. 2.
Material, Apparatus for winding. E. E. Franz. 2,097,518; Nov. 2.
Material, Friction. W. L. White. 2,098,078; Nov. 2.
Material from circular holders, Device for stripping strandular. J. T. Wood. 2,098,123; Nov. 2.
Material, Making ornamental. M. Sokoloff. 2,097,677; Nov. 2.
Materials, Flame treating coated. J. L. Schueler. 2,097,472; Nov. 2.
Matrix composing and line casting machine. C. A. Albrecht. 2,097,711; Nov. 2.
Meat hook. F. Holladay. 2,097,978; Nov. 2.
Mechanism for actuating the control surfaces of aircraft. R. T. Youngman. 2,097,807; Nov. 2.
Mechanism for producing accurate pitched cutting on circular work. E. Bilchholz. 2,098,132; Nov. 2.
Mechanism for sealing packages hermetically. S. Bergstein. 2,097,428; Nov. 2.
Metal, Apparatus to be used in casting. W. F. Eppensteiner. 2,097,658; Nov. 2.
Metalworking machine. H. W. Rupple. 2,097,646; Nov. 2.
Microscope. H. Heine. 2,097,762; Nov. 2.
Microscope, Workshop. H. Becker. 2,097,752; Nov. 2.
Mill: *See*—
Adjustable hollow mill.
Mixer: *See*—
Food mixer.
Motor: *See*—
Alternating current motor. Wind motor.
Electric motor.
Motor. W. H. Wineman. 2,098,122; Nov. 2.
Motor control system. I. K. Dortort. 2,098,182; Nov. 2.
Motor support. G. C. Munoz and D. M. Watson. 2,098,061; Nov. 2.
Mounting for propeller shafts. W. R. Smittle. 2,097,606; Nov. 2.
Mounting for windshield wiper motors, Universal. E. V. Heinecke and D. Kuskin. 2,097,662; Nov. 2.
Mounting, Toilet tank lever. L. A. Grimes. 2,097,619; Nov. 2.
Mounting, Wheel. G. E. Edmunds. 2,097,970; Nov. 2.
Mounting, Wheel. G. E. Edmunds and R. C. Purkhiser. 2,097,969; Nov. 2.
Mushrooms, producing. H. Knaust and H. Knaust. 2,097,766; Nov. 2.
Needle, Sewing machine. R. A. Lineham and G. Clarke. 2,097,495; Nov. 2.
Nibbling machine. H. W. Williams. 2,098,022; Nov. 2.
Nozzle for shoe channel cementing machines. C. A. Newhall. 2,097,572; Nov. 2.
Oil delivery control indicator, Fuel. F. A. Epps. 2,097,835; Nov. 2.
Oil filter. J. A. Baldwin. 2,097,828; Nov. 2.
Oil filter. W. A. McLean. 2,098,102; Nov. 2.
Oil in refrigeration systems, Separating. N. H. Gay. 2,097,725; Nov. 2.
Oil or the like, Apparatus for measuring. C. J. Bassler. 2,097,829; Nov. 2.
Oil testing machine. C. C. Benz. 2,097,716; Nov. 2.
Oils and coals, Gasifying. S. A. Kiss. 2,097,489; Nov. 2.
Oils and fats, Preserving. M. R. Coe. 2,097,516; Nov. 2.
Oils, Conversion of hydrocarbon. J. W. McCaffrey. 2,098,057; Nov. 2.
Oils, Dewaxing. E. M. Dons and D. B. Mapes. 2,097,999; Nov. 2.
Oils, Dewaxing. D. B. Mapes and E. M. Dons. 2,098,007; Nov. 2.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,098,059 Nov. 2.
Olive oils to prevent stearin coming down at low temperatures, Treatment of. W. Clayton, S. Back, J. F. Morse, and R. I. Johnson. 2,097,720; Nov. 2.
1,1-dichlorpropene-1, Chlorinating. O. W. Cass. 2,097,442; Nov. 2.
Opener and postage scale, Combined letter. J. Kaplan. 2,097,837; Nov. 2.
Orchard heater, Radiant. C. H. Ames. 2,097,544; Nov. 2.
Ore preparations, Manufacture of chrome. M. J. Udy. 2,098,176; Nov. 2.
Ores, Ball mill attack of titaniferous. F. H. McBerty. 2,098,054; Nov. 2.
Ores, Pug mill attack of titaniferous. F. H. McBerty. 2,098,055; Nov. 2.
Oscillator control. H. W. Lord. 2,098,051; Nov. 2.
Oven, Combination regenerative coke. W. H. Pavitt. 2,098,013; Nov. 2.
Overflow preventing device. W. Bluhm. 2,098,131; Nov. 2.
Package, Cigarette. J. H. Hollis. 2,098,096; Nov. 2.
Package for electric lamps or similar articles. F. H. Delke. 2,097,757; Nov. 2.
Packing for fragile articles. M. Koppelman. 2,097,886;

Paper and the like, Method and apparatus for coating. A. Potdevin. 2,097,601; Nov. 2.
Paper hanging machine. A. E. Gordon. 2,097,660; Nov. 2.
Paper roll printing attachment. H. L. Binford and O. W. Putnam. 2,098,130; Nov. 2.
Pasteurized, churn, and butter-worker, Combined. J. G. Devenney. 2,098,179; Nov. 2.
Pavement, Apparatus for laying. D. G. Clifford. 2,097,913; Nov. 2.
Perforating machine. F. B. Keall and L. Mawbey. 2,097,568; Nov. 2.
Photoelectric tube. C. H. Prescott, Jr. 2,097,467; Nov. 2.
Photographic desensitizer. W. Dieterle. 2,098,086; Nov. 2.
Photography, Method of and apparatus for multicolor. R. Thomas. 2,097,706; Nov. 2.
Piano case construction. J. Sauerland. 2,097,604; Nov. 2.
Picker, Fruit. G. E. Melown. 2,097,527; Nov. 2.
Pictures in depth, Apparatus for making moving. H. Smith. 2,097,745; Nov. 2.
Piezoelectric device. T. G. Kinsley. 2,097,488; Nov. 2.
Pigments, Extracting chloroplast. F. M. Schertz and R. H. Van Sant. 2,098,110; Nov. 2.
Pilot, Mechanical automatic. L. Weimerskirch. 2,098,019; Nov. 2.
Pin and tumbler mechanism. H. H. Kistner. 2,098,048; Nov. 2.
Pin or bolt lock. C. M. Hannaford. 2,098,185; Nov. 2.
Pin shackle, Lockable. W. D. Morrison. 2,097,465; Nov. 2.
Pinene, Isomerization of. D. H. Sheffield. 2,097,744; Nov. 2.
Pipe: *See*—
Flexible pipe. Tobacco pipe.
Smoking pipe.
Pipe line system and valve therefor. J. R. Polston. 2,098,014; Nov. 2.
Pipe thread protector. B. Engstrom. 2,098,087; Nov. 2.
Pipe thread protector, Inside. B. Engstrom. 2,098,088; Nov. 2.
Pipette. J. J. Moran. 2,097,571; Nov. 2.
Pistol, Cap. J. D. Kilgore. 2,098,006; Nov. 2.
Piston and rod assembly. R. J. Kratky. 2,097,983; Nov. 2.
Piston for internal combustion motors. E. C. Long. 2,097,570; Nov. 2.
Pit, Soaking. W. McKee. 2,097,932; Nov. 2.
Pitter, Fruit. J. C. Brown. 2,097,756; Nov. 2.
Plant ball package and making the same. J. T. Lovett, Jr. 2,097,929; Nov. 2.
Plant covering. A. C. Fischer. 2,097,972; Nov. 2.
Platform for airplanes, Mechanic's. I. I. Sikorsky. 2,097,991; Nov. 2.
Play pen. F. Auty. 2,097,506; Nov. 2.
Plow, Tractor. E. W. Park. 2,097,841; Nov. 2.
Plug: *See*—
Spark plug.
Pocket, Garment. C. T. Habegger. 2,097,975; Nov. 2.
Pocket with pull-matches. H. Spira. 2,097,607; Nov. 2.
Polish, Apparatus for imparting a. G. E. Koppe. 2,097,885; Nov. 2.
Polishing article. C. E. Woddell. 2,097,654; Nov. 2.
Polyether chloride, Aromatic. H. A. Bruson. 2,098,203; Nov. 2.
Polyhydroxy compounds from furan compounds, Preparation of. G. J. Leuck, J. Pokorny, and F. N. Peters, Jr. 2,097,493; Nov. 2.
Polymerization products of vinyl ethers, Production of. W. Reppe and E. Kuehn. 2,098,108; Nov. 2.
Polymerized unsaturated compounds, Production of. J. W. C. Crawford. 2,097,586; Nov. 2.
Portable sign. W. H. Walsh. 2,097,805; Nov. 2.
Post driver. E. Hunt. 2,098,146; Nov. 2.
Power machine, Portable. A. W. Mall. 2,097,729; Nov. 2.
Power plant, Internal combustion. J. E. Johansson. 2,097,883; Nov. 2.
Power transmission, Mechanical. A. M. Rossman. 2,097,534; Nov. 2.
Power transmission mechanism. A. Madlé. 2,097,631–2; Nov. 2.
Power transmission system, Electric. C. H. Willis, F. R. Elder, and B. D. Bedford. 2,098,079; Nov. 2.
Priming mixture. W. Brün. 2,097,510; Nov. 2.
Printing and cutting machine. J. W. Riggenbach. 2,098,165; Nov. 2.
Printing plate, more particularly offset-printing plate and printing therewith, Surface. W. A. Boekelman and A. Elfers. 2,097,831; Nov. 2.
Printing upon porous sheet material. J. S. Wheelwright. 2,098,118; Nov. 2.
Projector lamp. J. E. McAuley and G. R. Trevillian. 2,097,767; Nov. 2.
Propane dewaxing. P. C. Keith, Jr. 2,097,728; Nov. 2.
Propeller. L. Kaiser. 2,098,100; Nov. 2.
Propeller, Adjustable pitch. F. Raggio. 2,097,643; Propeller, Fish tail. H. C. Martin. 2,097,931; Nov. 2.
Protector: *See*—
Battery terminal protector. Pipe thread protector.
Car protector.
Pulley, Clutch. R. L. Brownlee. 2,097,559; Nov. 2.
Pulverizer. H. H. Bates. 2,097,910; Nov. 2.
Pump: *See*—
Rotary pump.
Pump. G. A. Lowrey. 2,097,629; Nov. 2.
Pump or motor, Variable displacement. E. K. Benedek. 2,097,830; Nov. 2.
Rack: *See*—
Display rack. Machine gun rack.
Racket. T. A. Davis. 2,097,616; Nov. 2.
Radiator. K. W. Roblin. 2,097,602; Nov. 2.
Radio and television schedule, Perpetual. I. L. Hirschman. 2,098,004; Nov. 2.
Radio receiver. P. O. Farnham. 2,097,874; Nov. 2.
Radio receiver, Regenerative. E. Klotz. 2,097,765; Nov. 2.
Radio receiving system. P. Hermanspann. 2,097,880; Nov. 2.
Radio tuning apparatus. A. A. Thomas. 2,097,901; Nov. 2.
Range. O. Hofferbert. 2,097,977; Nov. 2.
Range attachment, Gas. W. A. Frantz. 2,097,812; Nov. 2.
Ratchet hinge. P. O. Stangeland. 2,097,651; Nov. 2.
Razor, Safety. T. Gore. 2,098,036; Nov. 2.
Reaction product of cellulosic material. A. H. Bowen and T. W. Dike. 2,098,082; Nov. 2.
Receiving arrangement. A. Hammer. 2,097,879; Nov. 2.
Rectifier and producing the same. C. E. Peters. 2,097,700; Nov. 2.
Refrigerating apparatus. H. C. Harvey. 2,097,815; Nov. 2.
Refrigerating apparatus. H. B. Hull. 2,097,525; Nov. 2.
Refrigerating apparatus. E. J. Tomlinson. 2,097,539; Nov. 2.
Refrigerating system. W. J. Bolton. 2,097,685; Nov. 2.
Refrigerator. C. E. Quinn. 2,097,935; Nov. 2.
Register, Running. F. S. Shields. 2,098,112; Nov. 2.
Relay. O. S. Field. 2,097,786; Nov. 2.
Remote control system. C. E. Stewart. 2,098,069; Nov. 2.
Reservoir marking instrument. S. Lunzer. 2,097,496; Nov. 2.
Resins and the like, Manufacture of artificial. E. C. Rossiter. 2,097,895; Nov. 2.
Retriever for fish lures. C. I. Shirk. 2,097,536; Nov. 2.
Reversible ratchet wrench. W. C. Kress. 2,097,594; Nov. 2.
Rifle. O. Elfstrom. 2,098,137; Nov. 2.
Road direction sign, Automatic. J. B. Strauss. 2,097,900; Nov. 2.
Rod: *See*—
Curtain rod.
Rods and the like of comminuted material, Method of and apparatus for producing. G. T. Southgate. 2,097,502; Nov. 2.
Roll rim head. M. J. and V. A. Kist. 2,097,982; Nov. 2.
Roller: *See*—
Can roller.
Roller for manufacturing lenticular film, Producing an embossing. J. Eggert and G. Heymer. 2,097,971; Nov. 2.
Roller screen. A. F. Nye. 2,098,105; Nov. 2.
Rolls, Making. H. E. Walters. 2,097,709; Nov. 2.
Roof covering and roofing member. H. D. Brown. 2,097,546; Nov. 2.
Roofing. L. Snow. 2,097,845; Nov. 2.
Rope clip. J. Faber, Jr. 2,097,550; Nov. 2.
Rotary engine. M. S. Hopkins. 2,097,881; Nov. 2.
Rotary pump. J. L. Bilderbeck. 2,097,718; Nov. 2.
Rubber. L. Wallerstein. 2,097,481; Nov. 2.
Rubber articles, Making. H. A. Morton. 2,097,528; Nov. 2.
Rubber composition and preserving rubber. W. L. Semon. 2,097,473–4; Nov. 2.
Safety device for gas burners. S. Karrer. 2,097,838; Nov. 2.
Sand trap. W. N. Wright and W. H. Beach. 2,097,852; Nov. 2.
Sander. C. P. Cady and L. E. Johnson. 2,097,963; Nov. 2.
Scale. M. Garbell. 2,097,919; Nov. 2.
Scalp air cooling system for permanent hair waving. J. Zoberg. 2,097,808; Nov. 2.
Schooling device. W. W. Adams. 2,097,611; Nov. 2.
Scraping machine, Reciprocating. K. Suzuki. 2,097,747; Nov. 2.
Screen: *See*—
Incandescent screen. Window screen.
Roller screen.
Screw threads in shouldered work, Grinding. S. J. Harley. 2,098,145; Nov. 2.
Sea water filter. J. H. Ritter. 2,097,645; Nov. 2.
Sealing device and assembly. G. W. Carlson. 2,098,084; Nov. 2.
Sealing device for containers. G. H. Lewis. 2,097,820; Nov. 2.
Seat frame construction. A. H. Haberstump. 2,097,976; Nov. 2.
Sewage and other waste liquors, Treatment of. H. J. N. H. Kessener. 2,098,152; Nov. 2.
Sewing machine, Shoe. B. T. Leveque. 2,097,462; Nov. 2.
Sewing machine tool. E. J. S. Mrozinski. 2,097,735; Nov. 2.
Sewing mechanism. M. M. Newman and M. Opper. 2,098,009; Nov. 2.

Sheet and carbon separating apparatus, Bank statement. J. A. O'Neill. 2,098,158; Nov. 2.
Sheet feeding device. L. V. Dearing. 2,097,587; Nov. 2.
Sheet material, Apparatus for the manufacture of. E. Kinsella. 2,097,593; Nov. 2.
Shelf, Sliding. T. A. Sindelar. 2,098,198; Nov. 2.
Shield, Frost. W. F. Auger. 2,098,127; Nov. 2.
Shield, Painting. R. D. Holt. 2,098,005; Nov. 2.
Shipping case. L. G. Clark and M. A. Grogel. 2,097,433; Nov. 2.
Shoe. C. H. Daniels. 2,097,451; Nov. 2.
Shoe gore. R. T. Dawes. 2,097,810; Nov. 2.
Shoe-treating machine. F. Ricks and F. C. Choice. 2,097,574; Nov. 2.
Shoes, Machine for operating on. W. T. B. Roberts. 2,097,576; Nov. 2.
Shoes, Machine for operating upon the heel-portions of. F. L. Brandt. 2,097,558; Nov. 2.
Shoes, Making. C. A. Green. 2,098,142; Nov. 2.
Shoes, Manufacture of. H. R. Perry and C. S. Jennings. 2,097,799; Nov. 2.
Sign: *See*—
Portable sign. Road direction sign.
Sign and push button unit, Illuminated. C. L. Langlotz. 2,097,625; Nov. 2.
Signal for railroads, Light. O. S. Field. 2,097,785; Nov. 2.
Signal for switch stands, Reflector type. G. Gort. 2,097,552; Nov. 2.
Signal transmission system. J. C. Gabriel and G. Rodwin. 2,097,519; Nov. 2.
Signal unit, Light. E. W. Moore. 2,097,798; Nov. 2.
Signals, Apparatus for the control of highway crossing. H. S. Young. 2,097,827; Nov. 2.
Signaling, Railway. G. R. Pflasterer. 2,097,822; Nov. 2.
Signaling system, Continuous inductive coded cab. W. H. Hoppe. 2,098,041; Nov. 2.
Signaling system, Railway. W. H. Reichard. 2,097,843; Nov. 2.
Silica gel, Production of porous. J. and G. G. H. Malan. 2,097,634; Nov. 2.
Silk, Coloring acetate artificial. C. Shaw. 2,097,675; Nov. 2.
Siphon, Soda. D. C. Stewart. 2,098,169; Nov. 2.
Skate, Roller. R. Cledina. 2,097,721; Nov. 2.
Skin from fruits, Removing. R. B. Taylor. 2,097,479; Nov. 2.
Skylight. K. Oita. 2,097,738; Nov. 2.
Slack adjuster for air brakes. J. E. Redford. 2,097,533; Nov. 2.
Slate supporting clip. H. G. Bartsch. 2,097,715; Nov. 2.
Slicing machine construction. L. Ferenci. 2,097,875; Nov. 2.
Slug casting machine. R. Archer. 2,097,712; Nov. 2.
Smoking pipe. C. C. Cohee. 2,097,686; Nov. 2.
Snubber. W. C. Hedgcock and D. M. Light. 2,097,523; Nov. 2.
Soap, Purifying mahogany. M. Blumer. 2,097,440; Nov. 2.
Soldering implement. H. Goodchild. 2,097,974; Nov. 2.
Sole, Corrective. E. Ehrlich. 2,097,759; Nov. 2.
Sole for shoes, Insert. B. J. Silver. 2,097,476; Nov. 2.
Solenoid. W. A. Ray. 2,098,195–7; Nov. 2.
Sound, Photographic recording of. G. L. Dimmick. 2,097,657; Nov. 2.
Sound, Photographic recording of. E. W. Kellogg. 2,097,668; Nov. 2.
Sound, Recording and reproducing of. C. M. Burrill. 2,097,995; Nov. 2.
Sound, Reproduction of. G. L. Dimmick. 2,097,758; Nov. 2.
Spark plug. W. P. Innes, Jr. 2,097,460; Nov. 2.
Spindle, Spinning. G. H. Magrath. 2,097,797; Nov. 2.
Spotlight, Remotely controlled. R. E. Snyder. 2,097,537; Nov. 2.
Spout, Rubber oil can. C. M. Bailey. 2,098,128; Nov. 2.
Spring fastener. B. C. Place. 2,097,641; Nov. 2.
Spring unit. D. F. Sproul. 2,097,524; Nov. 2.
Spur retainer, Snap-on. W. J. Seyfarth. 2,098,017; Nov. 2.
Stabilizer for motor vehicles. E. E. Williams. 2,098,120; Nov. 2.
Stabilizing device for two-stroke free piston engines. G. J. P. J. J. Brun. 2,097,431; Nov. 2.
Stand for dobby looms, Spring. E. R. Holmes. 2,097,665; Nov. 2.
Stapling device. H. C. Stockel. 2,097,865; Nov. 2.
Stapling machine. W. F. Newhouse. 2,097,499; Nov. 2.
Starch manufacture, Process applicable to. A. Peltzer. 2,097,531; Nov. 2.
Stencil sheet. G. B. Bradshaw. 2,097,754; Nov. 2.
Stencil sheet. S. Horii. 2,098,042–3; Nov. 2.
Step, Portable pole. L. S. Day. 2,097,562; Nov. 2.
Stirrup. E. Galbreath. 2,098,141; Nov. 2.
Stock quotation projecting machine. A. D. Eltzen. 2,097,453; Nov. 2.
Stocking, Knitted. H. Hemmerich. 2,097,763; Nov. 2.
Stoker. E. Martin. 2,098,191; Nov. 2.
Stoker, Overfeed. J. J. Durand. 2,097,564; Nov. 2.
Stop system for railroads, Automatic train. T. Kittredge and H. D. Brooks. 2,097,624; Nov. 2.
Stopper and bottle grinding machine, Glass. J. H. Roberts and C. V. Achauer. 2,097,575; Nov. 2.
Stopping device for motor cars, Emergency. B. Salgen. 2,097,740; Nov. 2.
Stove, Coffee maker. F. E. Wolcott. 2,097,825; Nov. 2.
Strands, Treating composite. H. D. Tracy. 2,097,540; Nov. 2.
Strap sealing apparatus. W. C. Childress. 2,097,946; Nov. 2.
Strap sealing apparatus. S. J. Johnson. 2,097,980; Nov. 2.
Strap sealing apparatus. R. H. Norton. 2,097,955; Nov. 2.
Strap stretching and sealing device. W. C. Childress. 2,097,443; Nov. 2.
Strap stretching and sealing device. W. C. Childress. 2,097,945; Nov. 2.
Strap stretching device. W. C. Childress. 2,097,444; Nov. 2.
Stretcher, Garment. M. B. Brock. 2,097,809; Nov. 2.
Strip dispensing mechanism. C. Fürrer. 2,097,788; Nov. 2.
Structural assembly. E. N. Winslow. 2,097,484; Nov. 2.
Suction cleaner. C. Burkhardt. 2,098,028; Nov. 2.
Suction cleaner. C. H. Taylor. 2,098,072; Nov. 2.
Support: *See*—
Arch support. Motor support.
Electric wiring support. Welt support.
Supporting device for building construction, Metal. F. R. Walker. 2,098,172; Nov. 2.
Surface control, Auxiliary. A. G. Butler. 2,097,996; Nov. 2.
Surfacing device. O. Weidrich. 2,097,806; Nov. 2.
Swage. Saw. A. M. Ferrari and G. M. Hoffman. 2,097,659; Nov. 2.
Swing. F. L. Weaver. 2,097,905; Nov. 2.
Switch: *See*—
Electric switch.
Switch. F. J. Watts. 2,097,940; Nov. 2.
Switch controlling device, Railway. H. S. Young. 2,097,826; Nov. 2.
Switch mechanism, Time operated. M. Kurek. 2,097,984; Nov. 2.
Synchronizing apparatus. G. E. McPherren. 2,097,933; Nov. 2.
Synchronizing system. E. B. Jackson. 2,097,623; Nov. 2.
Syringe. C. E. Pieck. 2,098,106; Nov. 2.
Table: *See*—
Bench saw table. Ironing table.
Table and ironing board, Combined. G. F. Nurenberg. 2,098,157; Nov. 2.
Tag fastener. L. W. Caulk, Jr. 2,097,965; Nov. 2.
Tape for slide fasteners. D. Silberman. 2,097,475; Nov. 2.
Temperature control, System of. J. G. Beard. 2,097,868; Nov. 2.
Terpenes from mixtures containing the same, Recovery of. D. H. Sheffield. 2,097,743; Nov. 2.
Testing method and apparatus. G. Failla. 2,097,760; Nov. 2.
Textile machine. R. W. McLean. 2,097,673; Nov. 2.
Textile materials, Treatment of. H. Dreyfus. 2,097,589; Nov. 2.
Therapeutic preparation and making the same. R. Beutner. 2,097,439; Nov. 2.
Thermostat construction, Water control. M. H. Ward. 2,098,201; Nov. 2.
Thiophthalide and making the same. P. R. Austin and P. L. Salzberg. 2,097,435; Nov. 2.
Ticket issuing machine. R. H. Helsel. 2,097,485; Nov. 2.
Tie remover. H. S. Brown. 2,097,430; Nov. 2.
Tile unit and structure, Insulated. E. R. Powell. 2,097,892; Nov. 2.
Time controlled system. E. B. Jackson. 2,097,622; Nov. 2.
Tipping mechanism. W. C. Anthony. 2,097,555; Nov. 2.
Tire, Air-cooled safety. E. Von Bon Horrt. 2,097,748; Nov. 2.
Tire grooving tool. W. Foley. 2,097,811; Nov. 2.
Tire, Rubber. E. Hazell and S. R. Ogilby. 2,098,037–8; Nov. 2.
Titaniferous material, Attacking water insoluble. J. E. Booge, I. J. Krchma, and R. M. McKinney. 2,098,026; Nov. 2.
Titanium compounds from titaniferous ores, Recovering soluble. J. E. Booge, I. J. Krchma, and R. M. McKinney. 2,098,025; Nov. 2.
Tobacco pipe. F. Pilant. 2,098,161; Nov. 2.
Toilet article. S. Morrison. 2,097,934; Nov. 2.
Toilet article. T. Sundin. 2,097,938; Nov. 2.
Tomato products, Apparatus for producing. E. C. Eberts. 2,097,855; Nov. 2.
Tongue, for farm trucks, Steel. D. W. Voorhees, Jr. 2,098,018; Nov. 2.
Tool: *See*—
Bearing cup extracting tool. Tire grooving tool.
Liner setting tool. Watchmaker's tool.
Sewing machine tool. Welt tool.
Tooth brush. C. E. Phillips. 2,097,987; Nov. 2.
Top dead center, Apparatus for locating. J. D. Morgan. 2,098,058; Nov. 2.
Top for stoves. M. L. Hunker. 2,097,817; Nov. 2.
Torch, Combined atomizing and vaporizing. S. C. Nelson. 2,097,771; Nov. 2.
Toy, Block. W. O. Yancey. 2,098,124; Nov. 2.

Toy cartridge. W. F. Skinner. 2,098,068; Nov. 2.
Toy electric railway. E. D. Boisselier. 2,097,961; Nov. 2.
Toy eye-blinking and tail-wagging device. H. Rubenstein. 2,098,166; Nov. 2.
Toy machine gun. J. T. Wade. 2,097,749; Nov. 2.
Toy, Mechanical. K. Götz. 2,097,814; Nov. 2.
Toy, Spinning. E. J. Sperry. 2,098,168; Nov. 2.
Tractor-elevator and power transmission, Combination. A. Ronning. 2,097,703; Nov. 2.
Tractor guide. D. A. Olmsted. 2,097,840; Nov. 2.
Traffic controlling system for railroads, Centralized. W. D. Hailes. 2,097,789; Nov. 2.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,097,794; Nov. 2.
Traffic controlling system for railroads, Centralized. W. T. Powell. 2,097,801; Nov. 2.
Train control system, Continuous inductive coded type. W. H. Hoppe. 2,098,040; Nov. 2.
Transfer device. H. Mauch. 2,098,154; Nov. 2.
Transformer. J. Morelisse. 2,097,770; Nov. 2.
Transmission. D. S. Bennetch. 2,097,436; Nov. 2.
Transmission, Auto. E. D. Diaz. 2,097,656; Nov. 2.
Transmission, Automatic. A. E. Kilpela. 2,097,569; Nov. 2.
Transmission, Hydraulic. W. Ferris, J. K. Douglas, and G. F. Foblan. 2,097,857; Nov. 2.
Transmission line for electrical signaling systems. J. J. B. Lair and G. E. M. Perroux. 2,097,491; Nov. 2.
Transmission mechanism. A. Madlé. 2,097,633; Nov. 2.
Transparent container. E. T. Ferngren. 2,097,690; Nov. 2.
Trap: *See*—
Sand trap.
Treating apparatus. W. W. Sibson, Jr. 2,098,066; Nov. 2.
Trimmer, Hedge. R. C. Gallinant. 2,097,761; Nov. 2.
Truck side frame. T. H. Symington. 2,097,579; Nov. 2.
Trunk, Revolving. J. Ritter, Jr. 2,098,109; Nov. 2.
Tube; *See*—
Photoelectric tube.
Tubular members, Apparatus for lining. C. W. Eggenweiler and W. J. Fiegel. 2,097,688; Nov. 2.
Tufting and articles therefor. A. Fridolph. 2,098,140; Nov. 2.
Typewriters, Paper carriage escapement device for. F. Elbert. 2,097,834; Nov. 2.
Typewriting machine. W. A. Dobson. 2,097,588; Nov. 2.
Typographical composing machines. R. R. Mead. 2,097,732; Nov. 2.
Unwind device, Vertical. C. A. Dickhaut and S. A. Warner. 2,097,998; Nov. 2.
Utensil, Cooking. M. G. Struble. 2,097,478; Nov. 2.
Vacuum extractor. J. D. Hunter and F. B. Morrill. 2,098,044; Nov. 2.
Valve. W. W. Mohr. 2,097,698; Nov. 2.
Valve. J. Zagorski. 2,097,943; Nov. 2.
Valve for sprinkler systems, Automatic. E. L. Dearborn. 2,097,452; Nov. 2.
Valve insides. A. E. Bronson. 2,097,614; Nov. 2.
Valve mechanism in internal combustion engines of the opposed piston type. E. Schmid. 2,097,741; Nov. 2.
Valves for pressure cookers, sterilizers, and the like. R. H. Carson. 2,097,585; Nov. 2.
Vapor phase catalytic process and apparatus. C. H. B. Jarl. 2,098,148; Nov. 2.
Vehicle body. G. F. Becker. 2,097,911; Nov. 2.
Vehicle body, Constructing. A. E. Northup and C. H. Widman. 2,097,699; Nov. 2.
Vehicle, Motor. F. C. Best. 2,097,437–8; Nov. 2.
Vehicle, Motor. C. R. Paton. 2,097,466; Nov. 2.
Vehicle, Motor. P. F. Rossmann. 2,097,739; Nov. 2.
Ventilator for toilet. E. C. Madden, B. F. Cooper, and E. R. Cuykendall. 2,098,208; Nov. 2.
Veterinary instrument. A. H. Junge. 2,098,151; Nov. 2.
Vibration dampener. R. P. Lewis. 2,097,627; Nov. 2.
Vibratory feeder. J. A. Flint and A. D. Holt. 2,098,034; Nov. 2.
Vinyl compounds, Manufacture of. H. Dreyfus. 2,097,590; Nov. 2.
Voltages of short duration, Apparatus for recording steep wave front. L. K. Swart and D. W. Bodle. 2,097,578; Nov. 2.
Volume, the weight, and the density of granular and other materials, Simultaneously determining the. A. Hanique. 2,097,522; Nov. 2.
Wall construction for buildings, Interior. D. E. Ross and L. M. Alt. 2,097,988; Nov. 2.
Wall structure. H. E. Marks. 2,097,697; Nov. 2.
Walls subjected to high temperatures. A. Osolin. 2,097,637; Nov. 2.
Washing machine. N. H. Watts. 2,098,075; Nov. 2.
Waste products in the manufacture of titanium compounds from titanium ores, Utilization of. F. H. Micherty. 2,098,056; Nov. 2.
Watchmaker's tool. J. H. Meinhardt and S. M. Coffman. 2,098,103; Nov. 2.
Water heater, Electric. E. Stuck. 2,097,705; Nov. 2.
Water, Method of and material for treating boiler. T. A. Solberg. 2,097,649; Nov. 2.
Water softening method. C. T. Fuetterer. 2,097,870; Nov. 2.
Wave apparatus and method, Permanent. P. C. Rilling. 2,097,702; Nov. 2.
Well tool. O. A. Brown. 2,097,547; Nov. 2.
Welt holding mechanism. W. C. Card, Jr. 2,097,869; Nov. 2.
Welt support. W. C. Card, Jr. 2,097,870; Nov. 2.
Wheel: *See*—
Grinding wheel.
Wheel structure. C. L. Eksergian. 2,098,205; Nov. 2.
Wheel suspension for motor vehicles. J. M. Christman. 2,097,445; Nov. 2.
Wind motor. C. R. Johnson. 2,097,667; Nov. 2.
Wind pressure gauge. F. Kahn. 2,098,099; Nov. 2.
Window screen, Vehicle. B. F. Giberson. 2,098,174; Nov. 2.
Wrench: *See*—
Reversible ratchet wrench.
Wringer. J. L. Perkins. 2,097,532; Nov. 2.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 2, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 3: 2,097,865
8.1: 2,097,499
10: 2,097,774
13.6: 2,098,049
2— 67: 2,097,777
247: 2,097,975
3— 6: 2,098,067
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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abt and Lewis, Inc., New York, N. Y. Tablets for making broth or bouillon. Serial No. 396,657; Nov. 9. Class 46.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Men's clothing. Serial No. 395,389; Nov. 9. Class 39.

American Crayon Company, The, Sandusky, Ohio. Poster paints. Serial No. 396,730; Nov. 9. Class 16.

American Latex Corporation, New York, N. Y. Baby pants. Serial No. 391,603; Nov. 9. Class 39.

American Rolling Mill Company, The, Middletown, Ohio. Galvanized iron and steel sheets. Serial No. 397,743; Nov. 9. Class 14.

Anchor Stove & Range Company, New Albany, Ind. Coal stokers. Serial No. 396,439; Nov. 9. Class 34.

Artblend Cosmetic Studios. (See Koholt, George E.)

Atlas Distilled Products, Inc., Chicago, Ill. Whiskeys. Serial No. 393,262; Nov. 9. Class 49.

Atlas Powder Company, Wilmington, Del. Coated fabrics. Serial No. 397,895; Nov. 9. Class 50.

Ballif Distributing Company, Portland, Oreg. Wine. Serial No. 389,598; Nov. 9. Class 47.

Barber, L. B., doing business as Vivian Manufacturing Company, St. Louis, Mo. Ice delivery bags. Serial No. 397,788; Nov. 9. Class 2.

Barfield, David R., doing business as Barfield's, Evansville, Ind. Pants, suits, overcoats, etc. Serial No. 390,619; Nov. 9. Class 39.

Bassett, Geo., & Company Limited, Sheffield, England. Candies. Serial No. 397,884; Nov. 9. Class 46.

Beck, L., & Sons Inc., New York, N. Y. Linoleum cement. Serial No. 395,162; Nov. 9. Class 5.

Belle Knitting Corp., New York, N. Y. Knitted rayon. Serial No. 397,214; Nov. 9. Class 42.

Bendiage, Theodore J., doing business as Anthony Lily Co., Long Beach, Calif. Sedatives, sealed capsules to reduce blood pressure, etc. Serial No. 391,948; Nov. 9. Class 6.

Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. Serial No. 396,864; Nov. 9. Class 39.

Berlutti, Ercole R., Saginaw, Mich. Trailer couplings. Serial No. 396,558; Nov. 9. Class 19.

Better Drug Products, Incorporated, Tulsa, Okla. Hair tonic and a hair shampoo. Serial No. 397,737; Nov. 9. Class 6.

Black & Decker Manufacturing Company, The, Towson, Md. Brushes. Serial No. 396,662; Nov. 9. Class 29.

Bloom & Jallin, New York, N. Y. Underwear, and slips, dresses, frocks, etc. Serial No. 394,695; Nov. 9. Class 39.

Bloomingdale Bros., Inc., New York, N. Y. Hosiery. Serial No. 397,568; Nov. 9. Class 39.

Blumstein, Philip, doing business as Night Life Pajama Company, Philadelphia, Pa. Pajamas. Serial No. 396,948; Nov. 9. Class 39.

Bond-Penn Tube Company, Wilmington, Del. One dose collapsible metal tubes. Serial No. 395,697; Nov. 9. Class 2.

Bonita Undergarment Company, New York, N. Y. Bloomers, panties, step-ins, etc. Serial No. 396,105; Nov. 9. Class 39.

Bon Marche, The. (See Allied Stores Corporation.)

Bonwit Teller, Inc., New York, N. Y. Women's and misses' shoes, hats, scarfs, etc. Serial No. 396,443; Nov. 9. Class 39.

Bozeman Canning Company, Bozeman, Mont. Canned peas. Serial No. 395,807; Nov. 9. Class 46.

Braudt, Irving, & Co., Chicago, Ill. Neckties, belts, braces, etc. Serial No. 395,215; Nov. 9. Class 39.

Broome, Carl W., Santa Barbara, Calif. Bread, rolls, sandwiches, etc. Serial No. 368,556; Nov. 9. Class 46.

Brown Ray Phones, San Francisco, Calif. Radio receiving and transmitting equipment and parts thereof. Serial No. 388,430; Nov. 9. Class 21.

Buffalo Dental Manufacturing Company, Buffalo, N. Y. Dental appliances. Serial No. 397,642; Nov. 9. Class 44.

Bullock's, Inc., Los Angeles, Calif. Hosiery. Serial No. 397,241; Nov. 9. Class 39.

Bureau of National Affairs, Incorporated, The, Washington, D. C. Periodical publications. Serial No. 397,610; Nov. 9. Class 38.

Burger, Joseph, New York, N. Y. Shoes. Serial No. 394,269; Nov. 9. Class 39.

Burgess Battery Company, Chicago, Ill. Dry batteries and flashlight cases. Serial No. 397,215; Nov. 9. Class 21.

Burns' Cuboid Co., Inc., Santa Ana, Calif. Orthopedic devices. Serial No. 397,643; Nov. 9. Class 44.

Busch, H., & Co. Inc., New York, N. Y. Coffee, tea, rice, etc. Serial No. 396,627; Nov. 9. Class 46.

Button, George W., Corporation, New York, N. Y. Talcums, dusting powder, bath crystals, etc. Serial No. 397,243; Nov. 9. Class 6.

C-Y Manufacturing Company, Jamaica, N. Y. Testing gauge valves and adaptors, fittings, etc. Serial No. 392,679; Nov. 9. Class 13.

Calgon Incorporated, Pittsburgh, Pa. Chemical compound. Serial No. 398,090; Nov. 9. Class 6.

Campbell X-Ray Corporation, Boston, Mass. X-ray apparatus. Serial No. 398,077; Nov. 9. Class 44.

Cantulia Akkordeonbau G. m. b. H., Altenburg I. Thuringia, Germany. Hand harmonicas, mouth harmonicas, and accordions. Serial No. 392,194; Nov. 9. Class 36.

Caulk, L. D. Company, The, Milford, Del. Dental cement. Serial No. 397,748; Nov. 9. Class 44.

Celotex Corporation, The, Chicago, Ill. Structural fiber board. Serial No. 397,529; Nov. 9. Class 12.

Champion Laboratories Inc., Meriden, Conn. Automobile oil filters. Serial No. 397,325; Nov. 9. Class 23.

Charmis, Paris, France. Corsets, corselets, foundation garments, etc. Serial Nos. 396,949–50; Nov. 9. Class 39.

Chehak, Milo A., doing business as Security Laboratories, Cedar Rapids, Iowa. Local anaesthetic for minor surgery. Serial No. 396,952; Nov. 9. Class 6.

Chicago Tribune-New York News Syndicate, Inc., New York, N. Y. Series of cartoons. Serial No. 388,900; Nov. 9. Class 38.

Chula Vista Mutual Lemon Association, Chula Vista, Calif. Lemon juice for beverage purposes. Serial No. 397,109; Nov. 9. Class 45.

Cie des Produits Chimiques et Charbons Actifs Ed. Urbain, Paris, France. Material in the nature of porous lava for the purification of gas. Serial No. 395,218; Nov. 9. Class 1.

Clark, Joel B., Buffalo, N. Y. Auxiliary lubricants and addition agents to lubricating oils. Serial No. 397,245; Nov. 9. Class 15.

Coffee Products Corporation, New York, N. Y. Coffee syrup for flavoring soft drinks. Serial No. 396,954; Nov. 9. Class 45.

Colonial Mills, Inc., New York, N. Y. Acetate and rayon crepe piece goods. Serial No. 397,278; Nov. 9. Class 42.

Cook Paint & Varnish Company, North Kansas City, Mo. Ready-mixed paints. Serial No. 397,499; Nov. 9. Class 16.

Crapple, Guy C., assignor to The Little Chronicle Association, Inc., Chicago, Ill. Periodical publication. Serial No. 389,308; Nov. 9. Class 38.

Crown Cork & Seal Company, Inc., Baltimore, Md. Jar rings for receptacles. Serial No. 396,564; Nov. 9. Class 35.

Curtiss Candy Company, The, Chicago, Ill. Candy. Serial Nos. 396,765–6; Nov. 9. Class 46.

Dai Nippon Brewery Company Limited, Tokyo, Japan. Beer. Serial No. 396,736; Nov. 9. Class 48.

Davis, Jacob J., doing business as Reed Laboratories, Boston, Mass. Tablets for relief of pain, and ointment for the relief of itching. Serial No. 396,599; Nov. 9. Class 6.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's suits. Serial No. 396,982; Nov. 9. Class 39.

Deluxe Products Corporation, La Porte, Ind. Oil filters. Serial No. 397,281; Nov. 9. Class 23.

Dequin Physicians' Products Co. (See Dietz, Mrs. Joanna C.)

Dew Cosmetics, Incorporated, New York, N. Y. Eye lotion. Serial No. 394,592; Nov. 9. Class 6.

Dia-Lac Company, The. (See Peadon, Charles G.)

Dietz, Mrs. Joanna C., doing business as Dequin Physicians' Products Co., Chicago, Ill. Pharmaceutical preparation. Serial No. 393,975; Nov. 9. Class 6.

Duffie, John J., New York, N. Y. Calculating and adding machines. Serial No. 395,639; Nov. 9. Class 26.

Dulman, Morris, Boston, Mass. Paint, varnish, prepared shellac, etc. Serial No. 394,962; Nov. 9. Class 16.

Dutchess Underwear Corporation, New York, N. Y. Underwear. Serial No. 396,356; Nov. 9. Class 39.

Elanbee Sales Company, Inc., New York, N. Y. Ladies' handbags. Serial No. 397,026; Nov. 9. Class 3.

Electro Cover Glass Company, Sharpsburg, Pa. Lenses for protective goggles and helmets. Serial No. 397,188; Nov. 9. Class 26.

Electrol Incorporated, Clifton, N. J. Air conditioning units. Serial No. 392,920; Nov. 9. Class 34.

Ellis, T. M., Jr., doing business as Shekels Advertising Company, Beloit, Wis. Board game. Serial No. 397,801; Nov. 9. Class 22.

Emsco Manufacturing Company, Monroe, Mich. General household cleaning preparation. Serial No. 393,757; Nov. 9. Class 4.

Endo Products, Inc., New York, N. Y. Preparation used in the treatment of sexual underdevelopment, sterility, etc. Serial No. 397,112; Nov. 9. Class 6.

Endo Products, Inc., New York, N. Y. Preparation used in the treatment of habitual or threatened abortion, etc. Serial No. 397,113; Nov. 9. Class 6.

Erasmic Company, Limited, The, Warrington, England. Toilet soap and shaving soap. Serial No. 397,332; Nov. 9. Class 4.

Erasmic Company, Limited, The, Warrington, England. Lavender water, bath salts, and toilet powder. Serial No. 397,333; Nov. 9. Class 6.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. Serial No. 395,750; Nov. 9. Class 37.

Familex Products Company. (See Parent, Romeo.)

Fels, Herman, New York, N. Y. Liquid liniment and rubefacient. Serial No. 395,024; Nov. 9. Class 6.

Fibreboard Products Inc., San Francisco, Calif. Containers and receptacles and parts thereof. Serial No. 397,635; Nov. 9. Class 2.

Fischer, Mary E., Portland, Oreg. Books. Serial No. 382,467; Nov. 9. Class 38.

Fisher, Arthur H., doing business as 20th Century Chemical Co., Phoenix, Ariz. Dog medicines. Serial No. 396,395; Nov. 9. Class 6.

Fisher Scientific Company, Pittsburgh, Pa. Rubber and metal anti-splash filter attachment. Serial No. 395,859; Nov. 9. Class 13.

Florida Fruit Canners, Inc., Frostproof, Fla. Canned grapefruit juice for food purposes. Serial No. 388,567; Nov. 9. Class 46.

Follmer, Clogg & Co., Inc., New York, N. Y., and Lancaster, Pa. Parasols. Serial No. 396,912; Nov. 9. Class 41.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 393,029; Nov. 9. Class 42.

Fountaine & Nelson, Los Angeles, Calif. Fresh deciduous fruits, fresh citrus fruits, etc. Serial No. 393,493; Nov. 9. Class 46.

Garcia Grande Cigars, Incorporated, New York, N. Y. Cigars. Serial No. 396,811; Nov. 9. Class 17.

Garlock Packing Company, The, Palmyra, N. Y. Leather packings, cups, washers, etc. Serial No. 397,217; Nov. 9. Class 35.

Gaylord Container Corporation, St. Louis, Mo. Paper bags and sacks. Serial No. 397,844; Nov. 9. Class 2.

General Electric Company, Schenectady, N. Y. Machines for cutting or grinding garbage or the like. Serial No. 396,634; Nov. 9. Class 23.

General Motors Corporation, Detroit, Mich. Oil and gas building heating units, etc. Serial No. 396,360; Nov. 9. Class 34.

Gorostieta, Luis S., Monterrey, Mexico. Prepared corn flour or granula for making tortillas. Serial No. 392,529; Nov. 9. Class 46.

Granite Fabrics Inc., New York, N. Y. Textile piece goods. Serial No. 397,028; Nov. 9. Class 42.

Grant, W. T., Company, New York, N. Y. Bias tape. Serial No. 396,310; Nov. 9. Class 40.

Hanovia Chemical and Manufacturing Company, Newark, N. J. Ultraviolet equipment, and safety air fixtures. Serial No. 394,083; Nov. 9. Class 44.

Hearn Department Stores, Inc., New York, N. Y. Suits, topcoats, overcoats, etc. Serial No. 396,364; Nov. 9. Class 39.

Heidbrink Company, The, Minneapolis, Minn. Anesthetic gas machines. Serial No. 397,805; Nov. 9. Class 44.

Heller, B., & Company, Chicago, Ill. Enamel cleaner. Serial No. 396,718; Nov. 9. Class 4.

Hind & Harrison Plush Company, The, New York, N. Y. Plushes. Serial No. 396,567; Nov. 9. Class 42.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 397,470; Nov. 9. Class 6.

Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 397,473; Nov. 9. Class 6.

Ishikawaya Chomi Seizosho. (See Nakata, Taichi.)

It-Flops Mfg. Co., Brooklyn, N. Y. Insecticide. Serial No. 397,032; Nov. 9. Class 6.

Italian Swiss Colony, San Francisco, Calif. Wines. Serial Nos. 395,416–7; Nov. 9. Class 47.

Jacob, Bentley L., doing business as Jarap Company, St. Louis, Mo. Pharmaceutical preparations. Serial No. 395,194; Nov. 9. Class 6.

Jarap Company. (See Jacob, Bentley L.)

K-K Poultry Products Co., San Leandro, Calif. Preparations for use in the treatment of poultry diseases. Serial No. 396,462; Nov. 9. Class 6.

Kabushiki Kaisha Konishi Kotakudo Honten, Kyobashi-ku, Tokyo, Japan. Watch glasses and watch crystals. Serial No. 393,382; Nov. 9. Class 33.

Kessler, Louis, doing business as Novelty Games Co., New York, N. Y. Card number game. Serial No. 397,811; Nov. 9. Class 22.

Kilgore Development Corporation, Washington, D. C. Insecticide and insectifuge. Serial No. 396,923; Nov. 9. Class 6.

Knickerbocker Mills Co., New York, N. Y. Canned fish, canned vegetables, etc. Serial No. 396,343; Nov. 9. Class 46.

Knowlton, Wm., & Sons Company, West Upton, Mass. Women's hats. Serial No. 395,481; Nov. 9. Class 39.

Kobolt, George E., doing business as Artblend Cosmetic Studios, Chicago, Ill. Hand cream, face powder, cuticle oil, etc. Serial No. 396,740; Nov. 9. Class 6.

Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Pencils. Serial No. 394,945; Nov. 9. Class 37.

Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Pencils. Serial No. 396,958; Nov. 9. Class 37.

Kraus Chemical Works, Brooklyn, N. Y. Roach powder. Serial No. 393,137; Nov. 9. Class 6.

Krower, Leonard, & Son, Inc., New York, N. Y. Watches, watch cases, watch plates. Serial No. 396,522; Nov. 9. Class 27.

Lanphear, James E., Glendale, Calif. Milk beauty bath preparation. Serial No. 397,209; Nov. 9. Class 6.

Lee, H. D., Mercantile Co., The, Kansas City, Mo. Canned dog food. Serial No. 397,447; Nov. 9. Class 46.

Lees-Gilbert Corporation, New York, N. Y. Ladies' coats and suits. Serial No. 396,879; Nov. 9. Class 39.

Leffingwell Rancho Lemon Association, Whittier, Calif. Fresh citrus fruits. Serial No. 391,328; Nov. 9. Class 46.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. Serial No. 397,218; Nov. 9. Class 6.

Lilly, Anthony, Co. (See Bendlage, Theodore J.)

Little Chronicle Association, Inc., The. (See Crapple, Guy C., assignor.)

Ludlum Steel Co., Watervliet, N. Y. Tool-steels. Serial No. 397,762; Nov. 9. Class 14.

Lunt & Company, St. Louis, Mo. Carbon paper, typewriter ribbons, and inked ribbons. Serial No. 395,787; Nov. 9. Class 11.

Macy, R. H., & Co., Inc., New York, N. Y. Polishing and cleaning cloth, scouring powder, etc. Serial No. 397,261; Nov. 9. Class 4.

Maison Blanche Company, New Orleans, La. Bedroom and dining room furniture. Serial No. 396,038; Nov. 9. Class 32.

Mann, Ben B., New York, N. Y. Cigarettes and cigars. Serial No. 396,149; Nov. 9. Class 17.

Manville Jenckes Corporation, Manville, R. I. Thread and yarn. Serial No. 397,039; Nov. 9. Class 43.

Marinette Knitting Mills, Marinette, Wis. Wearing apparel. Serial No. 396,926; Nov. 9. Class 39.

Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. Serial No. 389,086; Nov. 9. Class 46.

Mason Box Company, The, Attleboro Falls, Mass. Shipping cartons and boxes. Serial No. 394,295; Nov. 9. Class 2.

Master Glaze Co., The, Milwaukee, Wis. Preparation for producing a lustre upon finished surfaces. Serial No. 396,057; Nov. 9. Class 16.

Mathieson Alkali Works (Inc.), The, New York, N. Y. Chlorine bactericide, germicide, and deodorant for dairy use. Serial No. 396,961; Nov. 9. Class 6.

Maurice Laboratories. (See Spiegel, Maurice.)

Mayer, Oscar, & Co., Inc., Chicago, Ill. Sausage. Serial No. 393,608; Nov. 9. Class 46.

McCrory Stores Corporation, New York, N. Y. Blankets, pillow cases, sheets, etc. Serial No. 397,041; Nov. 9. Class 42.

Meadows, L. H., Seattle, Wash. Hair dressing, scalp tonic, cold cream, etc. Serial No. 387,481; Nov. 9. Class 6.

Menendez, José M., Daytona Beach, Fla. Cigars. Serial No. 396,825; Nov. 9. Class 17.

Merchants Service Corporation, assignor to Recorg Supply Corporation, Chicago, Ill. Canned fruits, dried fruits, canned vegetables, etc. Serial No. 382,759; Nov. 9. Class 46.

Metasap Chemical Company, Harrison, N. J. Metallic soaps. Serial No. 393,083; Nov. 9. Class 6.

Millers Falls Company, Greenfield, Mass. Electric drills. Serial No. 397,264; Nov. 9. Class 21.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. Serial No. 390,176; Nov. 9. Class 4.

Mixol Corporation, New York, N. Y. Paint extender. Serial No. 396,543; Nov. 9. Class 16.

Nakata, Taichi, doing business as Ishikawaya Chomi Seizosho, Osaka, Japan. Powdered material containing glutamic soda for food flavoring purposes. Serial No. 375,220; Nov. 9. Class 46.

National Oil Products Company, Harrison, N. J. Product used in treating various fibres. Serial No. 390,767; Nov. 9. Class 6.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Canned fish. Serial No. 396,828; Nov. 9. Class 46.

Neatform Co., Inc., The, New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 396,884; Nov. 9. Class 39.

Neatform Co., Inc., The, New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 396,886; Nov. 9. Class 39.

Neatform Co., Inc., The, New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 396,888–9; Nov. 9. Class 39.

Neivert, Jacob, doing business as Neivert Glove Co., New York, N. Y. Ladies' gloves. Serial No. 396,419; Nov. 9. Class 39.

Nesbitt Fruit Products, Inc., Los Angeles, Calif. Chocolate fudge preparation. Serial No. 395,924; Nov. 9. Class 46.

Nettleton, A. E., Company, Syracuse, N. Y. Shoes. Serial No. 397,148; Nov. 9. Class 39.

New England Maple Syrup Company, Chelsea, Mass. Cane and maple sugar syrup, maple kisses, etc. Serial No. 395,876; Nov. 9. Class 46.

New Process Company, Warren, Pa. Portable, lockable file box for documents. Serial No. 371,820; Nov. 9. Class 25.

Night Life Pajama Company. (See Blumstein, Philip.)

Novelty Games Co. (See Kessler, Louis.)

Novoglove Corporation, New York, N. Y. Leather gloves and ladies' neckwear. Serial No. 393,616; Nov. 9. Class 39.

Ontra, Buddy, New York, N. Y. Hosiery. Serial No. 396,998; Nov. 9. Class 39.

"Orbono" Pflanzenschutzmittel G. m. b. H., Berlin, Germany. Preparations for killing insects and fungi. Serial No. 390,083; Nov. 9. Class 6.

O'Sullivan, David L., New York, N. Y. Board games and building block games. Serial No. 396,153; Nov. 9. Class 22.

Pacific Packing Company, Oakdale, Calif. Canned fruits, canned vegetables. Serial No. 394,857; Nov. 9. Class 46.

Pacific Packing Company, Oakdale, Calif. Canned vegetables. Serial No. 396,422; Nov. 9. Class 46.

Pad-Y-Wax Company, Inc., The, New York, N. Y. Wax bearing waxing pads. Serial No. 363,229; Nov. 9. Class 4.

Parent, Romeo, doing business as Familex Products Company, Montreal, Quebec, Canada. Olive oils, powder for making burnt creams, etc. Serial No. 393,197; Nov. 9. Class 46.

Parent, Romeo, doing business as Familex Products Company, Montreal, Quebec, Canada. Cake flours, cocoas, and lemon essences. Serial No. 393,201; Nov. 9. Class 46.

Parks & Parks Inc., Troy, N. Y. Animal brushes. Serial No. 397,417; Nov. 9. Class 29.

Payn's B., Son's Tobacco Company, Albany, N. Y. Smoking and chewing tobacco. Serial No. 397,481; Nov. 9. Class 17.

Peadon, Charles G., doing business as The Dia-Lac Company, Marion, Ohio. Diastatic compound for improving flour. Serial No. 376,360; Nov. 9. Class 46.

Peskoff, Alex, New York, N. Y. Men's shoes. Serial No. 397,001; Nov. 9. Class 39.

Pinaud Incorporated, New York, N. Y. Toilet water. Serial No. 397,226; Nov. 9. Class 6.

Platinum Products Corp., New York, N. Y. Cigar, cigarette, and pipe lighters, and parts for same. Serial No. 396,966; Nov. 9. Class 34.

Pollak, Henry, Inc., New York, N. Y. Hat bodies and hats for women and children. Serial No. 396,783; Nov. 9. Class 39.

Pollay, F. Gilbert, doing business as 20th Century Music Publishers, New York, N. Y. Sheet music. Serial No. 396,785; Nov. 9. Class 38.

Pond's Extract Company, New York, N. Y. Skin freshener and tonic, liquefying cream, etc. Serial No. 397,227; Nov. 9. Class 6.

Pond's Extract Company, New York, N. Y. Cream lotion. Serial No. 397,228; Nov. 9. Class 6.

Quick Cure Brine Products, Inc., Chicago, Ill. Brine and liquid circulating pumps. Serial No. 397,196; Nov. 9. Class 23.

R K O Radio Pictures, Inc., New York, N. Y. Films. Serial No. 396,694; Nov. 9. Class 26.

Rathjen Bros., Inc., San Francisco, Calif. Whiskey. Serial No. 397,423; Nov. 9. Class 49.

Raybestos-Manhattan, Inc., Passaic, N. J. Clutch facings. Serial No. 377,521; Nov. 9. Class 35.

Read Drug and Chemical Co. of Baltimore City, The, Baltimore, Md. Gin. Serial No. 397,724; Nov. 9. Class 49.

Recorg Supply Corporation. (See Merchants Service Corporation, assignor.)

Reed Laboratories. (See Davis, Jacob J.)

Reiner, Robert, Incorporated, Weehawken, N. J. Knitting machines. Serial No. 394,757; Nov. 9. Class 23.

Remington Rand Inc., Buffalo, N. Y. Chairs. Serial No. 397,150; Nov. 9. Class 32.

Resnick, Julius, Inc., New York, N. Y. Handbags and pocketbooks. Serial No. 396,750; Nov. 9. Class 3.

Respro Inc., Cranston, R. I. Artificial leather. Serial No. 397,620; Nov. 9. Class 50.

Resseguie, Earl H., Flint, Mich. Neckties. Serial No. 393,391; Nov. 9. Class 39.

Review Printing Company, The, Miami, Fla. Weekly magazine. Serial No. 397,300; Nov. 9. Class 38.

Rosenau Bros., Inc., Philadelphia, Pa. Dresses. Serial No. 396,798; Nov. 9. Class 39.

Royce Chemical Company, Carlton Hill, N. J. Chemicals. Serial No. 397,726; Nov. 9. Class 6.

Rural Educational Association, Madison College, Tenn. Canned protein meat-like food. Serial No. 396,580; Nov. 9. Class 46.

Sandra, Inc., also doing business as Sandra, Hollywood, Los Angeles, Calif. Cosmetics, toilet preparations, and medicinal preparations. Serial No. 383,486; Nov. 9. Class 6.

Scheele, Wm., & Sons Co., Inc., Fort Wayne, Ind. Non-alcoholic beverages, particularly pop. Serial No. 394,956; Nov. 9. Class 45.

Schoen Hats, Inc., New York, N. Y. Hat bodies and hats for women and children. Serial No. 396,517; Nov. 9. Class 39.

Sea-Lite Manufacturing Corp., Boston, Mass. Electric lanterns, automatic electric lighting units, etc. Serial No. 394,727; Nov. 9. Class 21.

Security Laboratories. (See Chehak, Milo A.)

Seltzer, Perez, New York, N. Y. Slide-fasteners. Serial No. 396,242; Nov. 9. Class 13.

Shekels Advertising Company. (See Ellis, T. M., Jr.)

Snyder, Ralph S., Uhrichsville, Ohio. Parlor game. Serial No. 383,455; Nov. 9. Class 22.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. Serial No. 396,551; Nov. 9. Class 35.

Soy Bean Processing Company, Waterloo, Iowa. Insecticide. Serial No. 395,491; Nov. 9. Class 6.

Spiegel, Maurice, doing business as Maurice Laboratories, Boston, Mass. Preparation for the relief of athlete's foot, etc. Serial No. 397,558; Nov. 9. Class 6.

Staley, A. E., Manufacturing Company, Decatur, Ill. Inedible starch products. Serial No. 388,805; Nov. 9. Class 6.

Standard Brands Incorporated, New York, N. Y. Gelatin dessert. Serial No. 392,057; Nov. 9. Class 46.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Cleaning solvents. Serial No. 396,699; Nov. 9. Class 4.

Standard Oiled Clothing Co. Inc., New York, N. Y. Outer garments. Serial No. 396,171; Nov. 9. Class 39.

Stearns, Frederick, & Co., Detroit, Mich. Magnesium trisilicate product. Serial No. 397,201; Nov. 9. Class 6.

Steinberger Bros. Glove Corporation, New York, N. Y. Gloves and mittens. Serial No. 395,596; Nov. 9. Class 39.

Supplee, Samuel G., & Co., New York, N. Y. Dentures. Serial No. 397,158; Nov. 9. Class 44.

Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Shrinkable caps and bands used as container closures. Serial No. 397,883; Nov. 9. Class 50.

Turco Products, Inc., Los Angeles, Calif. Abrasive and/or detergent cleaning compounds. Serial No. 395,935; Nov. 9. Class 4.

20th Century Chemical Co. (See Fisher, Arthur H.)

20th Century Music Publishers. (See Pollay, F. Gilbert.)

Ullmann, Bernhard, Co. Inc., New York, N. Y. Stamped goods and art needlework package outfits. Serial No. 395,006; Nov. 9. Class 40.

Undi-Klad Manufacturing Company, Chicago, Ill. Pantie girdles. Serial No. 391,498; Nov. 9. Class 39.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 397,391; Nov. 9. Class 38.

Universal Cocoa Products Corporation, Chicago, Ill. Food products. Serial No. 396,285; Nov. 9. Class 46.

Vivian Manufacturing Company. (See Barber, L. B.)

Wamsutta Mills, New Bedford, Mass. Piece goods of cotton, etc. Serial No. 396,852; Nov. 9. Class 42.

Wamsutta Mills, New Bedford, Mass. Piece goods of cotton, etc. Serial No. 396,854; Nov. 9. Class 42.

Western Minerals, Incorporated, Baxter Springs and Pittsburg, Kans. Tripoli. Serial No. 395,498; Nov. 9. Class 1.

Western Pipe and Steel Company of California, San Francisco, Calif. Steel storage tanks. Serial No. 397,634; Nov. 9. Class 2.

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Engine belts. Serial No. 374,871; Nov. 9. Class 35.

Whittemore-Wright Company, Inc., Charlestown, Mass. Tanning and textile oils. Serial No. 396,653; Nov. 9. Class 6.

Whyex Laboratories, Inc., Manville, N. J. Manicure preparations. Serial No. 394,770; Nov. 9. Class 6.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Packaged beverage vending apparatus. Serial No. 388,968; Nov. 9. Class 23.

Wilson, H. A., Company, The, Newark, N. J. Bimetals. Serial No. 395,367; Nov. 9. Class 14.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Wilson, H. A., Company, The, Newark, N. J. Platinum, platinum sheets, platinum bars, etc. Serial No. 395,368; Nov. 9. Class 14.

Wilson Welder and Metals Co., Inc., New York, N. Y. Electric arc welding machines. Serial No. 397,095; Nov. 9. Class 21.

Windt, Benn, New York, N. Y. Cough bon bons, cough confections, and cough syrups. Serial No. 395,327; Nov. 9. Class 6.

Women's Wear Company, New York, N. Y. Newspaper section. Serial No. 391,446; Nov. 9. Class 38.

World Bottling Company, Ltd., New Orleans, La. Beverages and syrups, extracts, and flavors used in making the same. Serial No. 397,731; Nov. 9. Class 45.

Zephyr Shaver Corporation, New York, N. Y. Electric shavers. Serial No. 397,317; Nov. 9. Class 23.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, as amended June 20, 1936]

Harris Tweed Association, Limited, London, England. Harris tweed. Serial No. 393,278; Nov. 9. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Norbest Canning Co., Bergen, Norway. Canned sardines. 351,827; Nov. 9; Serial No. 394,395; published Aug. 31, 1937. Class 46.

Air Conditioned Fabrics Corp., New York, N. Y. Toilet soaps. 351,807; Nov. 9; Serial No. 393,790; published Aug. 24, 1937. Class 4.

Alaska Rural Rehabilitation Corporation, Palmer, Alaska. Butter. 351,702; Nov. 9; Serial No. 387,019; published Aug. 31, 1937. Class 46.

American Chemical Paint Company, Philadelphia, to American Chemical Paint Company, Ambler, Pa. Fluid for preventing paint from peeling off galvanized iron. 119,019; renewed Oct. 23, 1937.

American Fastener Company, Waterbury, Conn. Metal snap-fasteners. 120,236; renewed Jan. 29, 1938.

American Hair Design Institute, Inc., The, New York, N. Y. Hair tonic, shampoos, face powder, etc. 351,789; Nov. 9; Serial No. 392,575; published Aug. 31, 1937. Class 6.

American Stove Company, St. Louis, Mo. Electric cooking-stoves, ranges, and heating-stoves. 119,025; renewed Oct. 23, 1937.

Anthony Brothers, San Francisco, Calif. Sport suits, coats, dresses, etc. 351,822; Nov. 9; Serial No. 394,215; published Aug. 31, 1937. Class 39.

Arco Company, The, assignor to The Arco Company, Cleveland, Ohio. Construction materials. 118,847; renewed Oct. 9, 1937.

Arkwright, Incorporated, New York, N. Y. Bathing suits for women and misses. 351,852; Nov. 9; Serial No. 394,968; published Aug. 31, 1937. Class 39.

Arthur, Jas. E., & Son, Baltimore, Md. Fresh mayonnaise, horse radish, and sour pickles. 351,738; Nov. 9; Serial No. 353,164; published Aug. 31, 1937. Class 46.

Barq, Edward, Sr., Biloxi, Miss. Beverages, and syrups, extracts, etc., used in making the same. 351,901; Nov. 9. Class 45.

Bayley Manufacturing Company, Milwaukee, assignor, by mesne assignments, to Bayley Blower Company, West Allis, Wis. Steam generators and radiators. 118,743; renewed Oct. 2, 1937.

Beau-Brummel Company. (See Smith, M. E. & Co. Inc., assignor.)

Beauty Publications Company. (See Fernèl, Jean P.)

Bennett Glass & Paint Company, Salt Lake City, Utah. Absorptive dough-like preparation for cleaning wall paper. 351,836; Nov. 9; Serial No. 394,739; published Aug. 24, 1937. Class 4.

Berg, Charles W., doing business as Charles W. Berg Laboratories, Philadelphia, Pa. Floor polishing liquid wax. 351,747; Nov. 9; Serial No. 381,099; published Aug. 31, 1937. Class 16.

Bisurated, Inc. (See International Druggists' & Chemists' Laboratories, Inc.)

Blair-Wood Company, Lynchburg, Va. Wheat flour, canned fruits, canned vegetables, etc. 351,832; Nov. 9; Serial No. 394,526; published Aug. 31, 1937. Class 46.

Bohn Aluminum & Brass Corporation. (See Mich. Smelting & Refining Co., assignor.)

Book-Night, Inc., Chicago, Ill. Books. 351,797; Nov. 9; Serial No. 393,112; published Aug. 17, 1937. Class 38.

Borden Company, The, New York, N. Y. Cream cheese. 351,838; Nov. 9; Serial No. 394,778; published Aug. 31, 1937. Class 46.

Bridal Creations, Inc., New York, N. Y. Bridal veils and headdresses, wedding dresses, etc. 351,870; Nov. 9; Serial No. 393,474; published Aug. 10, 1937. Class 39.

Brotherhood Railway Carmen of America, Kansas City, Mo. Printed books, periodicals, pamphlets, etc. 120,662; renewed Feb. 26, 1938.

Brown Durrell Co., Boston, Mass., and New York, N. Y. Hosiery. 351,819; Nov. 9; Serial No. 394,164; published Aug. 31, 1937. Class 39.

Buckley, Newhall Company, The, Brooklyn, N. Y. Portable fireplaces that are combined with bookcases and cellarettes. 351,846-7; Nov. 9; Serial Nos. 394,032-3; published Aug. 31, 1937. Class 32.

Burke, Edward & John, Limited, Dublin & Belfast, Ireland, to Edward & John Burke, Limited, Dublin, Ireland, and Liverpool, England. Stout and ale. 120,247; renewed Jan. 29, 1938.

C. P. Products Company, Excelsior Springs, Mo. Ointment. 351,761; Nov. 9; Serial No. 386,974; published Aug. 31, 1937. Class 6.

Cable-Nelson Piano Co., Chicago, Ill., assignor to Everett Piano Company, South Haven, Mich. Pianos, player-pianos, and talking-machines. 119,943; renewed Dec. 25, 1937.

Candy & Company, Inc., Chicago, Ill. Candies. 351,743; Nov. 9; Serial No. 376,834; published Aug. 17, 1937. Class 15.

Capelle, Fernand, Lamouroux, France. Perfumes, toilet lotions, lip sticks, etc. 351,745; Nov. 9; Serial No. 378,744; published Aug. 31, 1937. Class 6.

Cave Springs Distillery Corporation, Inc., Wilder, Ky. Whiskey. 351,869; Nov. 9; Serial No. 395,698; published Aug. 31, 1937. Class 49.

Champion Spark Plug Company, Toledo, Ohio. Spark-plug porcelains and parts. 120,950; renewed Mar. 19, 1938.

Cheboygan Paper Company, Cheboygan, Mich., assignor to Union Bag & Paper Corporation, New York, N. Y. Wrapping-paper. 119,042; renewed Oct. 23, 1937.

Chilton Company, Philadelphia, Pa. Periodical. 351,781; Nov. 9; Serial No. 391,743; published Aug. 24, 1937. Class 38.

Clough-Brengle Co., The, Chicago, Ill. Magazine. 351,805; Nov. 9; Serial No. 393,751; published Aug. 17, 1937. Class 38.

Coast Manufacturing & Supply Co., Livermore, Calif. Safety-fuse. 118,861; renewed Oct. 9, 1937.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. 351,890; Nov. 9. Class 39.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 351,854; Nov. 9; Serial No. 394,980; published Aug. 31, 1937. Class 23.

Cooper, Michael, New York, N. Y. Ladies' negligees, bathrobes, etc., and men's lounging robes and bathrobes. 351,828; Nov. 9; Serial No. 394,401; published Aug. 31, 1937. Class 39.

Corn Products Refining Company, New York, N. Y. Dextrin. 120,555; renewed Feb. 19, 1938.

Cosman, Claus A., New York, N. Y. Elastic fabrics. 351,829; Nov. 9; Serial No. 394,403; published Aug. 31, 1937. Class 42.

Cowan Truck Company, Holyoke, Mass., assignor, by mesne assignments, to The Yale & Towne Manufacturing Company, Stamford, Conn. Electrically-propelled trucking-vehicles. 120,960; renewed Mar. 19, 1938.

Crescent Company, The, Pawtucket, R. I. Automotive electric conductor cables and wires. 351,839; Nov. 9; Serial No. 394,781; published Aug. 31, 1937. Class 21.

Crittari, B., & Sons, Inc., San Jose, Calif. Grape brandy. 351,751; Nov. 9; Serial No. 383,768; published Nov. 10, 1936. Class 49.

Crockford, Joseph R., doing business as J. R. Crockford Company, Newark, N. J. Pads and padding for laundry rollers, pressing rollers, and pressing machines. 351,802; Nov. 9; Serial No. 393,637; published Aug. 31, 1937. Class 24.

Cross Brothers Company, Northfield, Vt. Tombstones, monuments, and memorials. 351,884; Nov. 9. Class 50.

Cumberland, Vera V., San Francisco, Calif. Tapestry. 351,783; Nov. 9; Serial No. 391,794; published Aug. 31, 1937. Class 42.

Cutasy Laboratories, Inc. (See Symington, William S., assignor.)

Dante Company, The, Philadelphia, Pa. Moustache pomade, facial creams, facial powder, etc. 351,759; Nov. 9; Serial No. 386,850; published June 29, 1937. Class 6.

David, John, New York, N. Y. Undershirts, shorts, and union suits, etc. 351,906; Nov. 9. Class 39.

Deppé, William P., New York, N. Y. Apparatus for producing a certain named gas. 120,358; renewed Feb. 5, 1938.

Dermay Perfumers, Inc., New York, N. Y. Bath oil, sachet, bath salts, etc. 351,880; Nov. 9. Class 6.

Dick, R. & J., Limited, Greenhead, Glasgow, S. E., Scotland. Machinery driving belts and ropes. 351,834; Nov. 9; Serial No. 394,700; published Aug. 31, 1937. Class 35.

Disston, Henry, & Sons, Incorporated, Philadelphia, Pa. Saws. 120,962; renewed Mar. 19, 1938.

Dolph, John C., Company, Newark, N. J. Electrical insulating varnishes and compounds. 351,841; Nov. 9; Serial No. 394,828; published Aug. 31, 1937. Class 21.

Dumore Company. (See Wisconsin Electric Company.)

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Spark plugs. 351,891; Nov. 9. Class 21.

Eastman Kodak Co., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer. 119,282; renewed Nov. 13, 1937.

Eastman Kodak Company, assignor to to Eastman Kodak Company, Rochester, N. Y. Photographic toning solution, hardener, and toning and fixing solution. 119,681; renewed Dec. 11, 1937.

Eastman Kodak Company, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. 119,886; renewed Dec. 18, 1937.

Eastman Kodak Company, assignor to The Folmer Graflex Corporation, Rochester, N. Y. Measuring and scientific appliances. 120,963; renewed Mar. 19, 1938.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Stereopticon projectors and holders for slides to be used therein. 351,769; Nov. 9; Serial No. 389,550; published Aug. 31, 1937. Class 26.

Eugene Fruit Growers Association, Eugene, Oreg. Canned fruits and vegetables. 351,801; Nov. 9; Serial No. 393,418; published Aug. 31, 1937. Class 46.

Evans, David G., Coffee Company, St. Louis, Mo. Syrups for flavoring beverages. 351,767; Nov. 9; Serial No. 388,921; published June 29, 1937. Class 45.

Everett Piano Company. (See Cable-Nelson Piano Co., assignor.)

Fall River Canning Company, Fall River, Wis. Canned vegetables. 351,868; Nov. 9; Serial No. 395,572; published Aug. 31, 1937. Class 46.

Fernèl, Jean P., doing business as Beauty Publications Company, Chicago, Ill. Periodical. 351,811; Nov. 9; Serial No. 393,902; published Aug. 17, 1937. Class 38.

Five Star Publishing Corporation, San Francisco, Calif. Periodical publication. 351,742; Nov. 9; Serial No. 374,364; published June 23, 1936. Class 38.

Folmer Graflex Corporation, The. (See Eastman Kodak Company, assignor.)

Freydberg, G., H. & E., to G., H. and E. Freydberg, Inc., New York, N. Y., successor. Ladies' neckwear and boudoir-caps and automobile-hats. 120,969; renewed Mar. 19, 1938.

Frugoli, D. Vincent, San Francisco, Calif. Natural mineral water. 351,774; Nov. 9; Serial No. 391,063; published Aug. 31, 1937. Class 45.

Fuchs, John E., Co., Inc., New York, N. Y. Gloves. 351,904; Nov. 9. Class 39.

Fussell-Young Ice Cream Company, Washington, D. C. Frozen desserts and frozen confections. 351,863; Nov. 9; Serial No. 395,191; published Aug. 31, 1937. Class 46.

General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 351,872; Nov. 9. Class 21.

General Desserts Corporation, New York, N. Y. Powdered food product. 351,830; Nov. 9; Serial No. 394,485; published Aug. 31, 1937. Class 46.

General Dyestuff Corporation, New York, N. Y. Size and finish for rayons. 351,788; Nov. 9; Serial No. 392,487; published Aug. 31, 1937. Class 6.

General Mills, Inc., Minneapolis, Minn. Cereal food products. 351,860; Nov. 9; Serial No. 395,130; published Aug. 31, 1937. Class 46.

General Tire & Rubber Company, The, Akron, Ohio. Storage batteries. 351,855; Nov. 9; Serial No. 395,033; published Aug. 31, 1937. Class 21.

Gerstman Manufacturing Co., Inc., Buffalo, N. Y. Outer jackets, ski suits, and ski pants. 351,826; Nov. 9; Serial No. 394,328; published Aug. 31, 1937. Class 39.

Girl Scouts, (Incorporated), New York, N. Y. Cookies. 351,842; Nov. 9; Serial No. 394,836; published Aug. 31, 1937. Class 46.

Gluckauf Company, Inc., The, New York, N. Y. Suspenders. 351,898; Nov. 9. Class 39.

Golden West Citrus Association, The, Tustin, Calif. Fresh citrus fruit. 351,786; Nov. 9; Serial No. 392,269; published Aug. 31, 1937. Class 46.

Goldfarb, Samuel J., New York, N. Y. Dresses. 351,908; Nov. 9. Class 39.

Graton and Knight Manufacturing Company, The, assignor to Graton and Knight Company, Worcester, Mass. Leather soles. 120,971; renewed Mar. 19, 1938.

Greenosan Limited, Colchester, England. Tonic medicines for deficiencies of vitamins and iron. 351,798; Nov. 9; Serial No. 393,276; published Aug. 31, 1937. Class 6.

Guardian Products Corporation, New York, N. Y. Vanity kits. 351,758; Nov. 9; Serial No. 386,328; published Aug. 31, 1937. Class 6.

H. Y. H. Factory. (See Hong, Ho Yee.)

Hagerstown Rubber Company, Hagerstown, Md. Rubber heels, taps, and soles. 351,905; Nov. 9. Class 39.

Hausman, M., & Sons, New York, N. Y. Rayon piece goods. 351,848; Nov. 9; Serial No. 394,941; published Aug. 31, 1937. Class 42.

Hayema Laboratory. (See Krop, Walter.)

Hercules Powder Company, Wilmington, Del. Rosin soap. 351,787; Nov. 9; Serial No. 392,362; published Aug. 24, 1937. Class 4.

Hitt, Thomas G., Seattle, Wash. Pyrotechnic display rockets. 351,865; Nov. 9; Serial No. 395,345; published Aug. 31, 1937. Class 9.

Hollins, William, and Company, Limited, Nottingham, England. Cloths and stuffs of wool, worsted, or hair. 351,856; Nov. 9; Serial No. 395,038; published Aug. 31, 1937. Class 42.

Hong, Ho Yee, doing business as H. Y. H. Factory, San Francisco, Calif. Toothpaste. 351,795; Nov. 9; Serial No. 392,982; published Aug. 31, 1937. Class 6.

Honolulu Export Company, Honolulu, Hawaii. Women's wearing apparel. 351,888; Nov. 9. Class 39.

Horni Signal Manufacturing Corporation, New York, N. Y. Electrical fire alarm transmitting stations and parts thereof. 351,824; Nov. 9; Serial No. 394,282; published Aug. 31, 1937. Class 21.

Horni Signal Manufacturing Corporation, New York, N. Y. Electric traffic signals, control equipment therefor, and parts thereof. 351,825; Nov. 9; Serial No. 394,285; published Aug. 31, 1937. Class 21.

Hussmann-Holmes Company, Los Angeles, Calif. Foot and hand exercisers, and corn and callous files. 351,782; Nov. 9; Serial No. 391,764; published Aug. 31, 1937. Class 44.

International Druggists' & Chemists' Laboratories, Inc., by change of name to Bisurated, Inc., New York, N. Y. Preparation for treatment of dyspepsia, indigestion, etc. 120,749; renewed Mar. 5, 1938.

Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 351,849; Nov. 9; Serial No. 394,944; published Aug. 31, 1937. Class 39.

Jacobs, Jenny, New York, N. Y. Chemical fur cleaning powder. 351,765; Nov. 9; Serial No. 387,944; published Aug. 31, 1937. Class 4.

Japanese Wood Novelty Co., Inc., Providence, R. I. Greeting cards and wall calendars. 351,741; Nov. 9; Serial No. 368,227; published Aug. 17, 1937. Class 38.

Kaplan Rice Mill, Inc., Kaplan, La. Rice, bran for animal feed, etc. 351,881; Nov. 9. Class 46.

Katz, Julius, & Co., Inc., New York, N. Y. Children's coats and snow suits. 351,803; Nov. 9; Serial No. 393,714; published Aug. 31, 1937. Class 39.

Kellogg Toasted Corn Flake Company, assignor to Kellogg Company, Battle Creek, Mich. Tapioca product made from corn. 119,324; renewed Nov. 13, 1937.

Kelman, David J., New York, N. Y. Steel wool or woven metal cleaners. 351,749; Nov. 9; Serial No. 381,826; published Sept. 22, 1936. Class 4.

Kingan & Company, Limited, Belfast, Ireland, and Indianapolis, Ind., assignor to Kingan & Co., Incorporated, Indianapolis, Ind. Compound, a substitute for lard. 120,266; renewed Jan. 29, 1938.

Krasnow, Ben B., Company, El Centro, Calif. Fresh citrus fruits and vegetables. 351,814; Nov. 9; Serial No. 394,089; published Aug. 31, 1937. Class 46.

Kress, S. H., and Company, New York, N. Y. Bath brushes, beauty brushes, toilet brushes, etc. 351,809; Nov. 9; Serial No. 393,859; published Aug. 31, 1937. Class 29.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Canned salmon, cove-oysters, cocoa, etc. 118,791; renewed Oct. 2, 1937.

Krop, Walter, doing business as Hayema Laboratory, Chicago, Ill. Preparation for hay fever and asthma. 351,833; Nov. 9; Serial No. 394,649; published Aug. 31, 1937. Class 6.

Lavelle, Inc., Cincinnati, Ohio. Eye lotion. 351,882; Nov. 9. Class 6.

Leading Drug Corporation, New York, N. Y. General tonic elixir. 351,835; Nov. 9; Serial No. 394,714; published Aug. 31, 1937. Class 6.

Lineboro Canning Company, Inc., Lineboro, Md. Canned vegetables. 351,818; Nov. 9; Serial No. 394,137; published Aug. 31, 1937. Class 46.

Liquor Dealers Supply Co., Chicago, Ill. Whiskey. 351,899; Nov. 9. Class 49.

Lloyd, W. H. S., Co., New York, N. Y., and Chicago, Ill., to W. H. S. Lloyd Co., Inc., New York, N. Y., successor. Wall-paper. 120,600; renewed Feb. 19, 1938.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Crackers, biscuits, and cakes. 351,763; Nov. 9; Serial No. 387,335; published Mar. 23, 1937. Class 46.

Lyon, Conklin & Co. Inc., to Lyon, Conklin & Co. Inc. Baltimore, Md., successor. Terne plates. 120,406; renewed Feb. 5, 1938.

Madame. C. J. Walker Manufacturing Co., Inc., The Indianapolis, Ind. Hair-tonic. 120,759; renewed May 5, 1938.

Malden Form Brassiere Company, Inc., New York, N. Y. Brassières, bandeaux, garter-belts, corsets, etc. 351,873 Nov. 9. Class 39.

McKinney, Earl B., New York, N. Y. Cosmetics. 351,810; Nov. 9; Serial No. 393,864; published Aug. 31, 1937. Class 6.
McNeil Laboratories, Inc., Philadelphia, Pa. Medicated petroleum jelly. 351,740; Nov. 9; Serial No. 367,933; published Nov. 26, 1935. Class 6.
Meyers, Gilbert R., assignor to Trouzer Meter, Inc., Fort Wayne, Ind. Measuring devices for measuring tailored wearing apparel. 351,874; Nov. 9. Class 26.
Mich. Smelting & Refining Co., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Ingot-bronze and ingot-brass. 120,765; renewed Mar. 5, 1938.
Midway Chemical Co., Chicago, Ill., assignor, by mesne assignments to Midway Chemical Co., Jersey City, N. J. Metal polish. 351,756; Nov. 9; Serial No. 386,121; published Aug. 24, 1937. Class 4.
Miller Printing Machinery Co., Pittsburgh, Pa. Printing presses and saw-trimmers. 351,895; Nov. 9. Class 23.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. 351,770; Nov. 9; Serial No. 389,647; published Aug. 31, 1937. Class 4.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. 351,771; Nov. 9; Serial No. 389,655; published Aug. 24, 1937. Class 4.
Mitsui & Company, Ltd. (See Mizugaki, Masaaki, assignor.)
Mizugaki, Masaaki, Sotoku, Kobe, Japan, assignor to Mitsui & Company, Ltd., Toyko, Japan. Canned sardines. 351,757; Nov. 9; Serial No. 386,166; published Aug. 31, 1937. Class 46.
Modern Merchandisers, Inc., Denver, Colo. Printed cards for conducting a prize drawing system. 351,753; Nov. 9; Serial No. 384,427; published Aug. 24, 1937. Class 38.
Mold Form Brassiere, Inc., New York, N. Y. Bandeaux, brassières, girdles, etc. 351,883; Nov. 9. Class 39.
Moore, Benjamin, & Co., Jersey City, N. J., and New York, N. Y. Ready mixed paint and paint enamels. 351,864; Nov. 9; Serial No. 395,314; published Aug. 31, 1937. Class 16.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 351,894; Nov. 9. Class 46.
Morrison, James M., Fort Wayne, Ind. Preparation for relief of stomach troubles, rheumatism, etc. 119,095; renewed Oct. 23, 1937.
Nashua Package Sealing Co., Inc., Nashua, N. H. Machines and tools for moistening, serving or applying adhesive tape, etc., and devices utilizing such material. 351,794; Nov. 9; Serial No. 392,948; published Aug. 31, 1937. Class 23.
National Lead Company, New York, N. Y. Solder and bearing metals. 120,770; renewed Mar. 5, 1938.
New Foods, Inc., Chicago, Ill. Breakfast cereal foods. 351,857; Nov. 9; Serial No. 395,045; published Aug. 31, 1937. Class 46.
New York Knitting Mills, Inc., New York, N. Y. Sport trousers. 351,804; Nov. 9; Serial No. 393,720; published Aug. 31, 1937. Class 39.
Nichols, Anna K., Scarsdale, N. Y. Section of a magazine. 351,820; Nov. 9; Serial No. 394,182; published Aug. 17, 1937. Class 38.
Norton Pike Company. (See Pike Manufacturing Company, assignor.)
Norwich Knitting Company, Norwich, N. Y. Sweat shirts. 351,823; Nov. 9; Serial No. 394,246; published Aug. 31, 1937. Class 39.
Nye-Wait Company, Inc., Auburn, N. Y. Rugs and carpets. 351,748; Nov. 9; Serial No. 381,637; published Aug. 31, 1937. Class 42.
Oakland Home-Kone Company. (See York, Bertrand L.)
Oswald, H. C., Supply Co., Inc., New York, N. Y. Coal, oil, and gas fired steam boilers and water tank heaters, etc. 351,739; Nov. 9; Serial No. 353,536; published Aug. 31, 1937. Class 34.
Oxygen Therapy Service, Inc., New York, N. Y. Face tents used in the administration of oxygen for medical purposes. 351,867; Nov. 9; Serial No. 395,537; published Aug. 31, 1937. Class 44.
Page, Thomas, Mill Company, The, Topeka, Kans. Wheat bran. 351,903; Nov. 9. Class 46.
Palmer Brothers Company, The, New London, Conn. Comfortables. 351,778; Nov. 9; Serial No. 391,655; published Aug. 31, 1937. Class 42.
Paper Pad & Paper Company, Holyoke, Mass. Paper and stationery. 118,846; renewed Oct. 9, 1937.
Parfumerie Violet, Societe Anonyme, Paris, France. Perfumes, face powder, talc, etc. 351,791–2; Nov. 9; Serial Nos. 392,887–8; published Aug. 31, 1937. Class 6.
Parfumerie Violet, Societe Anonyme, Paris, France. Perfumes, face powder, talc, etc. 351,793; Nov. 9; Serial No. 392,893; published Aug. 31, 1937. Class 6.
Pejepscot Paper Company, New York, N. Y., to Pejepscot Paper Company, Brunswick, Maine. Newsprint paper. 118,809; renewed Oct. 2, 1937.
Pelican Lake Oyster & Packing Co. Ltd., Houma, La. Canned shrimp, canned vegetables, and canned fruits. 120,625; renewed Feb. 19, 1938.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. 351,784; Nov. 9; Serial No. 391,967; published Aug. 31, 1937. Class 39.
Perfect Garment Company. (See Sobelman, Morris.)
Philadelphia Independent, The, Philadelphia, Pa. Newspaper column. 351,814; Nov. 9; Serial No. 394,004; published Aug. 24, 1937. Class 38.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 351,878; Nov. 9. Class 39.
Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; Orleans, Ind.; Hot Springs, Ark.; and New York, N. Y.; assignor to Norton Pike Company, Worcester, Mass. Abrasive materials and tools. 119,366; renewed Nov. 13, 1937.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 351,858; Nov. 9; Serial No. 395,087; published Aug. 31, 1937. Class 46.
Pinetrine Company, Inc., The, New York, N. Y. Greaseless cream and skin lotion. 351,859; Nov. 9; Serial No. 395,089; published Aug. 31, 1937. Class 6.
Popular Book Corporation, New York, N. Y., and Mount Morris, Ill. Monthly publication. 351,773; Nov. 9; Serial No. 390,665; published Aug. 10, 1937. Class 38.
Portales Valley Sweet Potato Growers Assn., Portales, N. Mex. Fresh sweet potatoes. 351,844; Nov. 9; Serial No. 394,859; published Aug. 31, 1937. Class 46.
Premier Produce Company, Salinas, Calif. Fresh vegetables. 351,808; Nov. 9; Serial No. 393,819; published Aug. 31, 1937. Class 46.
Premium Bakers, Inc., Brooklyn, N. Y. Bread and pumpernickel bread. 351,896; Nov. 9. Class 46.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Dental plate powder. 351,850; Nov. 9; Serial No. 394,954; published Aug. 31, 1937. Class 6.
Quintero, Benjamin, New York, N. Y. Milk of magnesia. 351,815; Nov. 9; Serial No. 394,051; published Aug. 31, 1937. Class 6.
Reardon, Everett E., doing business as Winneshiek Henneries, Decorah, Iowa. Dressed poultry and eggs. 351,754; Nov. 9; Serial No. 384,815; published Aug. 31, 1937. Class 46.
Regal Paper Company, Inc., Pulaski, N. Y. Paper napkins. 351,875–6; Nov. 9. Class 37.
Regal Press, Inc., Chicago, Ill. Magazine section. 351,744; Nov. 9; Serial No. 378,233; published Aug. 24, 1937. Class 38.
Remington Rand Inc., Buffalo, N. Y. Typewriter ribbons and carbon paper. 351,831; Nov. 9; Serial No. 394,519; published Aug. 31, 1937. Class 11.
Richter, F. Ad., & Co., assignor to F. Ad. Richter & Co. Inc., New York, N. Y. Hair-tonic. 121,000; renewed Mar. 19, 1938.
Ridge Tool Company, The, North Ridgeville, Ohio. Extractors, extractor kits, drills, etc. 351,755; Nov. 9; Serial No. 385,805; published Aug. 31, 1937. Class 23.
Rogers Peet Company, New York, N. Y. Pajamas. 121,004–5; renewed Mar. 19, 1938.
Rogers Peet Company, New York, N. Y. Hats and caps. 121,006; renewed Mar. 19, 1938.
Rogers Peet Company, New York, N. Y. Pajamas. 121,007; renewed Mar. 19, 1938.
Roma Wine & Liquor Company, Baltimore, Md. Gin. 351,871; Nov. 9; Serial No. 395,928; published Sept. 7, 1937. Class 49.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Disinfectant. 351,900; Nov. 9. Class 6.
Samson-United Corporation, Rochester, N. Y. Electric heating pads, electric heating blankets, etc. 351,766; Nov. 9; Serial No. 388,620; published Aug. 31, 1937. Class 44.
Sarowitz, Joe, New York, N. Y. Counter for photoelectric cells. 351,796; Nov. 9; Serial No. 393,087; published Aug. 31, 1937. Class 26.
Schneider, Lou, Inc., New York, N. Y. Ladies' coats and suits. 351,851; Nov. 9; Serial No. 394,957; published Aug. 31, 1937. Class 39.
Schuber, Alfred R., Wilmette, Ill. Party games. 351,775; Nov. 9; Serial No. 391,152; published Aug. 31, 1937. Class 22.
Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. 351,885; Nov. 9. Class 39.
Serra, Arthur, & Co., Chicago, Ill. Fresh pineapple, canned pineapple juice and canned pineapple. 351,772; Nov. 9; Serial No. 389,608; published Aug. 31, 1937. Class 46.
Service Devices Incorporated, New York, N. Y. Ice shaving and chipping machines. 351,879; Nov. 9. Class 23.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preventative for venereal disease. 351,790; Nov. 9; Serial No. 392,815; published Aug. 31, 1937. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicated antiseptic troches for oral use. 351,800; Nov. 9; Serial No. 393,394; published Aug. 31, 1937. Class 6.
Shepherd Worsted Mills, Newton, Mass. Fingering yarns. 351,886; Nov. 9. Class 43.
Shuffle-Pitch Co., New Rochelle, N. Y. Board games. 351,866; Nov. 9; Serial No. 395,358; published Aug. 31, 1937. Class 22.
Shuli Day Co., assignor to Day's Taylor-D Clothing, Inc., Tacoma, Wash. Trousers. 120,907; renewed Mar. 12, 1938.
Sievers, Louis, Sons Co., Chicago, Ill. Whiskey. 351,893; Nov. 9. Class 49.
Simonds Worden White Co., Dayton, Ohio. Abrasive grinding wheels. 351,813; Nov. 9; Serial No. 393,963; published Aug. 24, 1937. Class 4.
Smith, M. E., & Co. Inc., assignor, by mesne assignments, to Beau-Brummel Company, Omaha, Nebr. Shirts. 120,913; renewed Mar. 12, 1938.

Snow, H. R., doing business as Snow Brokerage Company, Los Angeles, Calif. Alfalfa leaf meal. 351,861; Nov. 9; Serial No. 395,155; published Aug. 31, 1937. Class 46.
Sobelman, Morris, doing business as Perfect Garment Company, Baltimore, Md. Dresses, coats, and suits. 351,887; Nov. 9. Class 39.
South Center Department Store, Chicago, Ill. Sheets and pillow cases. 351,907; Nov. 9. Class 42.
Stearns & Foster Co., The, Cincinnati, Ohio. Mattresses and box springs. 351,845; Nov. 9; Serial No. 394,917; published Aug. 31, 1937. Class 32.
Steinberger Bros. Glove Corp., New York, N. Y. Gloves. 351,902; Nov. 9. Class 39.
Symington, William S., assignor to Cutasy Laboratories, Inc., New York, N. Y. Reducing cream and a skin or tissue cream. 351,764; Nov. 9; Serial No. 387,523; published Aug. 31, 1937. Class 6.
Tatra Works Ltd., Prague-Smichov, Czechoslovakia. Water and air-cooled engines with internal combustion, aircraft engines, pneumatic brake devices, and parts thereof. 351,779; Nov. 9; Serial No. 391,664; published Aug. 31, 1937. Class 23.
Tern-Rite Manufacturing Company, Riverside, N. J. Roller skates. 351,889; Nov. 9. Class 22.
"The Durable" Printers' Roller Company, Limited, to "The Durable" Printers' Roller Company Limited, London, England. Composition for covering printers' rollers. 120,667; renewed Feb. 26, 1938.
Thomas Publishing Company, New York, N. Y. Periodical. 351,812; Nov. 9; Serial No. 393,921; published Aug. 24, 1937. Class 38.
Tomlinson of High Point, High Point, N. C. Articles of furniture. 351,750; Nov. 9; Serial No. 383,239; published Aug. 31, 1937. Class 32.
Tootal Broadhurst Lee Co. Limited, Manchester, England. Ties, scarves, and dressing gowns. 351,897; Nov. 9. Class 39.
Trouzer Meter, Inc. (See Meyers, Gilbert R., assignor.)
Ulmann, Bernhard Co., Inc., New York, N. Y. Yarn. 351,877; Nov. 9. Class 43.
Union Bag & Paper Corporation. (See Cheboygan Paper Company, assignor.)
Union Stove Works Inc., New York, N. Y. Stoves, ranges, furnaces, etc. 351,785; Nov. 9; Serial No. 392,173; published Aug. 31, 1937. Class 34.
Union Twist Drill Company, Athol, Mass. Machines and tools. 120,920; renewed Mar. 12, 1938.
U. S. Expansion Bolt Co., New York, N. Y. Toggle-bolts. 118,890; renewed Oct. 2, 1937.
Utica Duxbak Corporation, Utica, N. Y. Solution for water proofing cotton fabrics. 351,752; Nov. 9; Serial No. 384,061; published July 6, 1937. Class 6.
Vineyards of America, Inc., Brooklyn, N. Y. Carbonated wines. 351,799; Nov. 9; Serial No. 393,350; published Aug. 31, 1937. Class 47.
Vitamins Limited, London, England. Medicinal preparation. 351,768; Nov. 9; Serial No. 389,159; published Aug. 31, 1937. Class 6.
Walles Dove-Hermiston Corporation, New York, N. Y. Ready to mix paints, metal primers, and pigmented varnishes. 351,780; Nov. 9; Serial No. 391,667; published July 6, 1937. Class 16.
Walker-Gordon Laboratory Company, Inc., Plainsboro, N. J. Fresh milk. 351,840; Nov. 9; Serial No. 394,816; published Aug. 31, 1937. Class 46.
Waterbury Clock Company, The, Waterbury, Conn. Watches. 351,776–7; Nov. 9; Serial Nos. 391,163–4; published May 25, 1937. Class 27.
Weidman, Ward & Co., Inc., Albany, N. Y. Coffee, tea, spices, etc. 351,746; Nov. 9; Serial No. 379,777; published Aug. 31, 1937. Class 46.
Wel-Art Medicine Company, Brooklyn, Mich. Medicinal preparations, liniments, counterirritants, and ointments. 351,821; Nov. 9; Serial No. 394,205; published Aug. 31, 1937. Class 6.
White, H. Kirk, & Co., Oconomowoc, Wis. Nicotine stain remover. 351,892; Nov. 9. Class 6.
Wholesaler's Service Co., St. Louis, Mo. Clutches and parts thereof. 351,760; Nov. 9; Serial No. 386,919; published Aug. 31, 1937. Class 23.
Wilder & Company, Chicago, Ill. Heels for boots and shoes. 120,129; renewed Jan. 8, 1938.
Wilson, Ambrose, Limited, London, England. Corsets and girdles. 120,002; renewed Dec. 25, 1937.
Wilson & Co., Inc., Chicago, Ill. Toilet soap. 351,862; Nov. 9; Serial No. 395,160; published Aug. 31, 1937. Class 4.
Windsor Mfg. Co., Inc., Union City, N. J. Table tennis equipment. 351,817; Nov. 9; Serial No. 394,105; published Aug. 31, 1937. Class 22.
Winneshiek Henneries. (See Reardon, Everett E.)
Wisconsin Electric Company, by change of name to Dumore Company, Racine, Wis. Electrical apparatus, machines, and supplies. 119,596; renewed Nov. 27, 1937.
Wisconsin Milling Company, Menominee, Wis. Stock food. 351,837; Nov. 9; Serial No. 394,765; published Aug. 31, 1937. Class 46.
Yale & Towne Manufacturing Company, The. (See Cowan Truck Company, assignor.)
York, Bertrand L., doing business as Oakland Home-Kone Company, Oakland, Calif. Frozen confections. 351,806; Nov. 9; Serial No. 393,789; published Aug. 31, 1937. Class 46.

LIST OF REGISTRANTS OF LABELS

Abbotts Dairies, Inc., Philadelphia, Pa. Abbotts De Luxe Cream Cheese. For Cream Cheese. 50,350; Nov. 9.
Arden Farms, Inc., Los Angeles, Calif. Sherl Chee. For Aged Cheddar Cheese Steeped in Old Sherry Wine and Combined with Milk Proteins. 50,351; Nov. 9.
Berman, Harris, Milwaukee, Wis. The Porter's Champion—The Better Metal Polish. For Metal Polish. 50,352; Nov. 9.
Cucamonga Valley Wine Co. (See Vai, Giovanni.)
Glemby Company, Inc., The, New York, N. Y. A Guaranteed Net of Paramount Quality. For Hair Nets. 50,353; Nov. 9.
New England Confectionery Company, Cambridge, Mass. Sky Bar. For Filled Chocolate Blocks. 50,354; Nov. 9.
P. H. Cigar Co. (See Pinckard, W. M.)
Piedmont Apple Products Co., Charlottesville, Va. Charlo Brand Big Apple. For Apple Juice. 50,355; Nov. 9.
Pinckard, W. M., doing business as P. H. Cigar Co., Houston, Tex. Original Havana Smokers. For Cigars. 50,356; Nov. 9.
Robinson, Mrs. James S., Memphis, Ten. Acephen Tablets. For Analgesic and Antipyretic Tablets. 50,357; Nov. 9.
Vai, Giovanni, doing business as Cucamonga Valley Wine Co., Los Angeles, Calif. Mira Linda. For California Burgundy. 50,358; Nov. 9.
Vai, Giovanni, doing business as Cucamonga Valley Wine Co., Los Angeles, Calif. Glorieta. For Grape Brandy. 50,359; Nov. 9.
"X" Laboratories, Inc., New York, N. Y. "X" Flush. For a Flushing Compound for Radiator and Boiler Systems. 50,360; Nov. 9.

LIST OF REGISTRANTS OF PRINTS

Allied Purchasing Corporation, New York, N. Y. A World's Fair of Gifts. For Gifts. 16,565–6; Nov. 9.
General Mills, Inc., Minneapolis, Minn. Clever Women add Sparkle to 'Below Par' Menus this New Way. For Biscuit Flour. 16,567; Nov. 9.
Harrisburg Steel Corporation, Harrisburg, Pa. Harrisburg Steel Corporation. For Forged and Seamless Steel Products. 16,568; Nov. 9.
Starman Syphon Mfg. Co., Inc., Brooklyn, N. Y. Starman Syphons. For Syphons for Carbonated Beverages. 16,569; Nov. 9.
Wentzel, Robert A., Palmyra, Pa. Faemade Undergarments. For Undergarments. 16,570; Nov. 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 4

Abrasive cloth and abrasive paper. Minnesota Mining & Manufacturing Company. 351,770; Nov. 9; Serial No. 389,647; published Aug. 31, 1937.
Abrasive cloth and abrasive paper. Minnesota Mining & Manufacturing Company. 351,771; Nov. 9; Serial No. 389,655; published Aug. 24, 1937.
Abrasive grinding wheels. Simonds Worden White Co. 351,813; Nov. 9; Serial No. 393,963; published Aug. 24, 1937.
Abrasive materials and tools. Pike Manufacturing Company. 119,366; renewed Nov. 13, 1937.
Chemical for cleaning powder. J. Jacobs. 351,765; Nov. 9; Serial No. 387,944; published Aug. 31, 1937.

Polish, Metal. Midway Chemical Co. 351,756; Nov. 9; Serial No. 386,121; published Aug. 24, 1937.
Preparation for cleaning wall paper, Absorptive dough-like. Bennett Glass & Paint Company, 351,836; Nov. 9; Serial No. 394,739; published Aug. 24, 1937.
Soap, Rosin. Hercules Powder Company. 351,787; Nov. 9; Serial No. 392,362; published Aug. 24, 1937.
Soap, Toilet. Wilson & Co. 351,862; Nov. 9; Serial No. 395,160; published Aug. 31, 1937.
Soaps, Toilet. Air Conditioned Fabrics Corp. 351,807; Nov. 9, 1937; Serial No. 393,790; published Aug. 24, 1937.
Steel wool or woven metal cleaners. D. J. Kelman. 351,749; Nov. 9; Serial No. 381,826; published Sept. 22, 1936.

CLASS 5

Dextrin. Corn Products Refining Company. 120,555; renewed Feb. 19, 1938.

CLASS 6

Bath oil, sachet, bath salts, etc. Dermay Perfumers, Inc. 351,880; Nov. 9.
Cosmetics. E. B. McKinney. 351,810; Nov. 9; Serial No. 393,864; published Aug. 31, 1937.
Cream and a skin or tissue cream, Reducing. W. S. Symington. 351,764; Nov. 9; Serial No. 387,523; published Aug. 31, 1937.
Cream and skin lotion, Greaseless. Pinetrine Company. 351,859; Nov. 9; Serial No. 395,089; published Aug. 31, 1937.
Disinfectant. Dr. Salsbury's Laboratories. 351,900; Nov. 9.
Fluid for preventing paint from peeling off galvanized iron. American Chemical Paint Company. 119,019; renewed Oct. 23, 1937.
Hair-tonic. F. Ad. Richter & Co. 121,000; renewed Mar. 19, 1938.
Hair-tonic. Madam C. J. Walker Mfg. Co. 120,759; renewed Mar. 5, 1938.
Hair tonic, shampoos, face powder, etc. American Hair Design Institute, Inc. 351,789; Nov. 9; Serial No. 392,575; published Aug. 31, 1937.
Lotion, Eye. Lavelle, Inc. 351,882; Nov. 9.
Medicated petroleum jelly. McNeil Laboratories, Inc. 351,740; Nov. 9; Serial No. 367,933; published Nov. 26, 1935.
Medicinal prenaration. Vitamins Limited. 351,768; Nov. 9; Serial No. 389,159; published Aug. 31, 1937.
Medicinal preparations, liniments, counter-irritants, and ointments. Wel-Art Medicine Company. 351,821; Nov. 9; Serial No. 394,205; published Aug. 31, 1937.
Milk of magnesia. B. Quintero. 351,815; Nov. 9; Serial No. 394,051; published Aug. 31, 1937.
Ointment. C. P. Products Company. 351,761; Nov. 9; Serial No. 386,974; published Aug. 31; 1937.
Perfumes, face powder, talc, etc. Parfumerie Violet, Societe Anonyme. 351,791–2; Nov. 9; Serial Nos. 392,887–8; published Aug. 31, 1937.
Perfumes, face powder, talc, etc. Parfumerie Violet, Societe Anonyme. 351,793; Nov. 9; Serial No. 392,893; published Aug. 31, 1937.
Perfumes, toilet lotions, lip sticks, etc. F. Capelle. 351,745; Nov. 9; Serial No. 378,744; published Aug. 31, 1937.
Photographic developer. Eastman Kodak Co. 119,282; renewed Nov. 13, 1937.
Photographic toning solution, hardener, and toning and fixing solution. Eastman Kodak Company. 119,681; renewed Dec. 11, 1937.
Pomade, facial creams, facial powder, etc., Moustache. Dante Company. 351,750; Nov. 9; Serial No. 386,850; published June 29, 1937.
Powder, Dental plate. Pro-phy-lac-tic Brush Company. 351,850; Nov. 9; Serial No. 394,954; published Aug. 31, 1937.
Preparation for hay fever and asthma. W. Krop. 351,833; Nov. 9; Serial No. 394,649; published Aug. 31, 1937.
Preparation for relief of stomach troubles, rheumatism, etc. J. M. Morrison. 119,095; renewed Oct. 23, 1937.
Preparation for treatment of dyspepsia, indigestion, etc. International Druggists' & Chemists' Laboratories, Inc. 120,749; renewed Mar. 5, 1938.
Preventative for venereal disease. Sharp & Dohme, Incorporated. 351,790; Nov. 9; Serial No. 392,815; published Aug. 31, 1937.
Size and finish for rayons. General Dyestuff Corporation. 351,788; Nov. 9; Serial No. 392,487; published Aug. 31, 1937.
Solution for water proofing cotton fabrics. Utica Duxbak Corporation. 351,752; Nov. 9; Serial No. 384,061; published July 6, 1937.
Stain remover, Nicotine. H. Kirk White & Co. 351,802; Nov. 9.
Tonic elixir, General. Leading Drug Corporation. 351,835; Nov. 9; Serial No. 394,714; published Aug. 31, 1937.
Tonic medicines. Greenosan Limited. 351,798; Nov. 9; Serial No. 393,276; published Aug. 31, 1937.
Toothpaste. H. Y. Hong. 351,795; Nov. 9; Serial No. 392,982; published Aug. 31, 1937.
Troches, Medicated antiseptic. Sharp & Dohme, Incorporated. 351,800; Nov. 9; Serial No. 393,394; published Aug. 31, 1937.
Vanity kits. Guardian Products Corporation. 351,758; Nov. 9; Serial No. 386,328; published Aug. 31, 1937.

CLASS 9

Fuse, Safety. Const Manufacturing & Supply Co. 118,861; renewed Oct. 9, 1937.
Rockets, Pyrotechnic display. T. G. Hitt. 351,865; Nov. 9; Serial No. 395,345; published Aug. 31, 1937.

CLASS 11

Typewriter ribbons and carbon paper. Remington Rand Inc. 351,831; Nov. 9; Serial No. 394,519; published Aug. 31, 1937.

CLASS 12

Construction materials. Arco Company. 118,847; renewed Oct. 9, 1937.

CLASS 13

Toggle-bolts. U. S. Expansion Bolt Co. 118,836; renewed Oct. 2, 1937.

CLASS 14

Ingot-bronze and ingot-brass. Mich. Smelting & Refining Co. 120,765; renewed Mar. 5, 1938.
Solder and bearing metals. National Lead Company. 120,770; renewed Mar. 5, 1938.
Terne plates. Lyon, Conklin & Co. Inc. 120,406; renewed Feb. 5, 1938.

CLASS 15

Candles. Candy & Company. 351,743; Nov. 9; Serial No. 376,834; published Aug. 17, 1937.

CLASS 16

Paint and paint enamels, Ready mixed. Benjamin Moore & Co. 351,864; Nov. 9; Serial No. 395,314; published Aug. 31, 1937.
Paints, metal primers, and pigmented varnishes, Ready to mix. Wailes Dove-Hermiston Corporation. 351,780; Nov. 9; Serial No. 391,667; published July 6, 1937.
Wax, Floor polishing liquid. C. W. Berg. 351,747; Nov. 9; Serial No. 381,099; published Aug. 31, 1937.

CLASS 19

Vehicles, Trucking. Cowan Truck Company. 120,960; renewed Mar. 19, 1938.

CLASS 21

Batteries, Storage. General Tire & Rubber Company. 351,855; Nov. 9; Serial No. 395,033; published Aug. 31, 1937.
Electric conductor cables and wires, Automotive. Crescent Company. 351,839; Nov. 9; Serial No. 394,781; published Aug. 31, 1937.
Electric traffic signals, control equipment therefor, and parts thereof. Horni Signal Manufacturing Corporation. 351,825; Nov. 9; Serial No. 394,285; published Aug. 31, 1937.
Electrical apparatus, machines, and supplies. Wisconsin Electric Company. 119,596; renewed Nov. 27, 1937.
Electrical fire alarm transmitting stations and parts thereof. Horni Signal Manufacturing Corporation. 351,824; Nov. 9; Serial No. 394,282; published Aug. 31, 1937.
Electrical insulating varnishes and compounds. John C. Dolph Company. 351,841; Nov. 9; Serial No. 394,828; published Aug. 31, 1937.
Electrical wires and cables, Insulated. General Cable Corporation. 351,872; Nov. 9.
Spark-plug porcelains and parts. Champion Spark Plug Company. 120,950; renewed Mar. 19, 1938.
Spark plugs. Dunlop Tire and Rubber Corporation. 351,891; Nov. 9.
Stoves, ranges, and heating stoves, Electric cooking. American Stove Company. 119,025; renewed Oct. 23, 1937.

CLASS 22

Games, Board. Shuffle-Pitch Co. 351,866; Nov. 9; Serial No. 395,358; published Aug. 31, 1937.
Games, Party. A. R. Schuber. 351,775; Nov. 9; Serial No. 391,152; published Aug. 31, 1937.
Skates, Roller. Tern-Rite Manufacturing Company. 351,889; Nov. 9.
Tennis equipment, Table. Windsor Mfg. Co. 351,817; Nov. 9; Serial No. 394,105; published Aug. 31, 1937.

CLASS 23

Apparatus for producing a certain named gas. W. P. Deppé. 120,358; renewed Feb. 5, 1938.
Clutches and parts thereof. Wholesaler's Service Co. 351,760; Nov. 9; Serial No. 386,919; published Aug. 31, 1937.
Engines with internal combustion, aircraft engines, pneumatic brake devices and parts thereof. Tatra Works Ltd. 351,779; Nov. 9; Serial No. 391,664; published Aug. 31, 1937.
Extractors, extractor kits, drills, etc. Ridge Tool Company. 351,755; Nov. 9; Serial No. 385,805; published Aug. 31, 1937.
Ice shaving and chipping machines. Service Devices Incorporated. 351,879; Nov. 9.
Machines and tools. Union Twist Drill Company. 120,920; renewed Mar. 12, 1938.

Machines and tools for moistening, serving or applying adhesive or gummed tape, etc., and devices utilizing such material. Nashua Package Sealing Co. 351,794; Nov. 9; Serial No. 392,948; published Aug. 31, 1937.
Presses and saw-trimmers, Printing. Miller Printing Machinery Co. 351,895; Nov. 9.
Razors and razor blades. Conrad Razor Blade Co. Inc. 351,854; Nov. 9; Serial No. 394,980; published Aug. 31, 1937.
Saws. Henry Disston & Sons, Incorporated. 120,962; renewed Mar. 19, 1938.

CLASS 24

Pads and padding for laundry rollers, pressing rollers, and pressing machines. J. R. Crockford. 351,802; Nov. 9; Serial No. 393,637; published Aug. 31, 1937.

CLASS 26

Counter for photoelectric cells. J. Sarowitz. 351,796; Nov. 9; Serial No. 393,087; published Aug. 31, 1937.
Film, Photographic. Eastman Kodak Company. 119,886; renewed Dec. 18, 1937.
Measuring and scientific appliances. Eastman Kodak Company. 120,963; renewed Mar. 19, 1938.
Measuring devices for measuring tailored wearing apparel. G. R. Meyers. 351,874; Nov. 9.
Stereopticon projectors and holders for slides to be used therein. Eastman Kodak Company. 351,769; Nov. 9; Serial No. 389,550; published Aug. 31, 1937.

CLASS 27

Watches. Waterbury Clock Company. 351,776–7; Nov. 9; Serial Nos. 391,163–4; published May 25, 1937.

CLASS 29

Brushes and powder puffs. S. H. Kress and Company. 351,809; Nov. 9; Serial No. 393,859; published Aug. 31, 1937.

CLASS 32

Fireplaces that are combined with bookcases and cellerettes, Portable. Buckley, Newhall Company. 351,846–7; Nov. 9; Serial Nos. 394,932–3; published Aug. 31, 1937.
Furniture, Articles of Tomlinson of High Point. 351,750; Nov. 9; Serial No. 383,239; published Aug. 31, 1937.
Mattresses and box springs. Stearns & Foster Co. 351,845; Nov. 9; Serial No. 394,917; published Aug. 31, 1937.

CLASS 34

Boilers and water tank heaters, etc., Coal, oil, and gas fired steam. H. C. Oswald Supply Co. 351,739; Nov. 9; Serial No. 353,536; published Aug. 31, 1937.
Steam generators and radiators. Bayley Manufacturing Company. 118,743; renewed Oct. 2, 1937.
Stoves, ranges, furnaces, etc. Union Stove Works Inc. 351,785; Nov. 9; Serial No. 392,173; published Aug. 31, 1937.

CLASS 35

Belts and ropes, Machinery driving. R. & J. Dick, Limited. 351,834; Nov. 9; Serial No. 394,700; published Aug. 31, 1937.

CLASS 36

Pianos, player-pianos, and talking-machines. Cable-Nelson Piano Co. 119,943; renewed Dec. 25, 1937.

CLASS 37

Paper and stationery. American Pad & Paper Company. 118,846; renewed Oct. 9, 1937.
Paper napkins. Regal Paper Company. 351,875–6; Nov. 9.
Paper, News-print. Pejepscot Paper Company. 118,809; renewed Oct. 2, 1937.
Paper, Wrapping. Cheboygan Paper Company. 119,042; renewed Oct. 23, 1937.
Wall-paper. W. H. S. Lloyd Co. 120,600; renewed Feb. 19, 1938.

CLASS 38

Books. Book-Night, Inc. 351,797; Nov. 9; Serial No. 393,112; published Aug. 17, 1937.
Books, periodicals, pamphlets, etc., Printed. Brotherhood Railway Carmen of America. 120,662; renewed Feb. 26, 1938.
Cards and wall calenders, Greeting. Japanese Wood Novelty Co. 351,741; Nov. 9; Serial No. 368,227; published Aug. 17, 1937.
Cards for conducting a prize drawing system, Printed. Modern Merchandisers, Inc. 351,753; Nov. 9; Serial No. 384,427; published Aug. 24, 1937.
Magazine. Clough-Brengle Co. 351,805; Nov. 9; Serial No. 393,751; published Aug. 17, 1937.
Magazine section. Regal Press, Inc. 351,744; Nov. 9; Serial No. 378,233; published Aug. 24, 1937.
Newspaper column. Philadelphia Independent. 351,814; Nov. 9; Serial No. 394,004; published Aug. 24, 1937.
Periodical. Chilton Company. 351,781; Nov. 9; Serial No. 391,743; published Aug. 24, 1937.
Periodical. J. P. Fernèl. 351,811; Nov. 9; Serial No. 393,902; published Aug. 17, 1937.
Periodical. Thomas Publishing Company. 351,812; Nov. 9; Serial No. 393,921; published Aug. 24, 1937.
Publication, Monthly. Popular Book Corporation. 351,773; Nov. 9; Serial No. 390,665; published Aug. 10, 1937.
Publication, Periodical. Five Star Publishing Corporation. 351,742; Nov. 9; Serial No. 374,364; published June 23, 1936.
Section of a magazine. A. K. Nicholas. 351,820; Nov. 9; Serial No. 394,182; published Aug. 17, 1937.

CLASS 39

Apparel, Women's wearing. Honolulu Export Company. 351,888; Nov. 9.
Bandeaux, brassières, girdles, etc. Mold Form Brassiere, Inc. 351,883; Nov. 9.
Brassières, Bandeaux, garter-belts, corsets, etc. Maiden Form Brassiere Company. 351,873; Nov. 9.
Coats and snow suits, Children's. Julius Katz & Co. 351,803; Nov. 9; Serial No. 393,714; published Aug. 31, 1937.
Coats and suits, Ladies'. Lou Schneider, Inc. 351,851; Nov. 9; Serial No. 394,957; published Aug. 31, 1937.
Coats, vests, pants, etc. Cohen, Goldman & Co. Inc. 351,890; Nov. 9.
Corsets and girdles. Ambrose Wilson Limited. 120,002; renewed Dec. 25, 1937.
Dresses. S. J. Goldfarb. 351,908; Nov. 9.
Dresses, coats, and suits. M. Sobelman. 351,887; Nov. 9.
Gloves. John E. Fuchs Co. 351,904; Nov. 9.
Gloves. Steinberger Bros. Glove Corp. 351,902; Nov. 9.
Hats and caps. Rogers Peet Company. 121,006; renewed Mar. 19, 1938.
Heels for boots and shoes. Wilder & Company. 120,129; renewed Jan. 8, 1938.
Heels, taps, and soles, Rubber. Hagerstown Rubber Company. 351,905; Nov. 9.
Hosiery. Brown Durrell Co. 351,819; Nov. 9; Serial No. 394,164; published Aug. 31, 1937.
Hosiery. Interwoven Stocking Company. 351,849; Nov. 9; Serial No. 394,944; published Aug. 31, 1937.
Hosiery. J. C. Penney Company. 351,784; Nov. 9; Serial No. 391,967; published Aug. 31, 1937.
Hosiery. Phoenix Hosiery Company. 351,878; Nov. 9.
Jackets, ski suits, and ski pants, Outer. Gerstman Manufacturing Co. 351,826; Nov. 9; Serial No. 394,328; published Aug. 31, 1937.
Neckwear and boudoir-caps and automobile-hats, Ladies'. G., H. & E. Freydberg. 120,969; renewed Mar. 19, 1938.
Negligees, bathrobes, etc., and men's lounging robes and bathrobes, Ladies'. M. Cooper. 351,828; Nov. 9; Serial No. 394,401; published Aug. 31, 1937.
Pajamas. Rogers Peet Company. 121,004–5; renewed Mar. 19, 1938.
Pajamas. Rogers Peet Company. 121,007; renewed Mar. 19, 1938.
Shirts. M. E. Smith & Co. Inc. 120,913; renewed Mar. 12, 1938.
Shirts, Sweat. Norwich Knitting Company. 351,823; Nov. 9; Serial No. 394,246; published Aug. 31, 1937.
Shoes, Women's. Selby Shoe Co. 351,885; Nov. 9.
Soles, Leather. Graton and Knight Manufacturing Company. 120,971; renewed Mar. 19, 1938.
Suits, coats, dresses, etc., Sport. Anthony Brothers. 351,822; Nov. 9; Serial No. 394,215; published Aug. 31, 1937.
Suits for women and misses, Bathing. Arkwright, Incorporated. 351,852; Nov. 9; Serial No. 394,968; published Aug. 31 ,1937.
Suspenders. Gluckauf Company. 351,898; Nov. 9.
Ties, scarves, and dressing gowns. Tootal Broadhurst Lee Co. Limited. 351,897; Nov. 9.
Trousers. Shull Day Co. 120,907; renewed Mar. 12, 1938.
Trousers, Sport. New York Knitting Mills, Inc. 351,804; Nov. 9; Serial No. 393,726; published Aug. 31, 1937.
Undershirts, shorts and union suits, etc. J. David. 351,906; Nov. 9.
Veils and headdresses, wedding dresses, etc., Bridal. Bridal Creations, Inc. 351,870; Nov. 9; Serial No. 393,474; published Aug. 10, 1937.

CLASS 40

Snap-fasteners, Metal. American Fastener Company. 120,236; renewed Jan. 29, 1938.

CLASS 42

Cloths and stuffs of wool, worsted, or hair. William Hollins and Company. 351,856; Nov. 9; Serial No. 395,038; published Aug. 31, 1937.
Comfortables. Palmer Brothers Company. 351,778; Nov. 9; Serial No. 391,655; published Aug. 31, 1937.
Fabrics, Elastic. C. A. Cosman. 351,829; Nov. 9; Serial No. 394,403; published Aug. 31, 1937.
Rayon piece goods. M. Hausman & Sons. 351,848; Nov. 9; Serial No. 394,941; published Aug. 31, 1937.
Rugs and carpets. Nye-Wait Company. 351,748; Nov. 9; Serial No. 381,637; published Aug. 31, 1937.
Sheets and pillow cases. South Center Department Store. 351,907; Nov. 9.

Tapestry. V. V. Cumberland. 351,783; Nov. 9; Serial No. 391,794; published Aug. 31, 1937.

CLASS 43

Fingering yarns. Shepherd Worsted Mills. 351,886; Nov. 9.
Yarn. Bernhard Ulmann Co. Inc. 351,877; Nov. 9.

CLASS 44

Face tents used in the administration of oxygen for medical purposes. Oxygen Therapy Service, Inc. 351,867; Nov. 9; Serial No. 395,537; published Aug. 31, 1937.
Foot and hand exercisers, and corn and callous files. Hussmann-Holmes Company. 351,782; Nov. 9; Serial No. 391,764; published Aug. 31, 1937.
Heating pads, electric heating blankets, etc., Electric. Samson-United Corporation. 351,766; Nov. 9; Serial No. 388,620; published Aug. 31, 1937.

CLASS 45

Beverages, and syrups, extracts, etc. used in making the same. Edward Barq, Sr. 351,901; Nov. 9.
Syrups for flavoring beverages. David G. Evans Coffee Company. 351,767; Nov. 9; Serial No. 388,921; published June 29, 1937.
Water, Natural mineral. D. V. Frugoli. 351,774; Nov. 9; Serial No. 391,063; published Aug. 31, 1937.

CLASS 46

Bread and pumpernickel bread. Premium Bakers, Inc. 351,890; Nov. 9.
Butter. Alaska Rural Rehabilitation Corporation. 351,762; Nov. 9; Serial No. 387,019; published Aug. 31, 1937.
Canned fruits. Mor-Pak Preserving Corporation. 351,894; Nov. 9.
Canned fruits and vegetables. Eugene Fruit Growers Association. 351,801; Nov. 9; Serial No. 393,418; published Aug. 31, 1937.
Canned salmon, cove-oysters, shrimp, etc. Kroger Grocery & Baking Company. 118,791; renewed Oct. 2, 1937.
Canned sardines. A/S norbest Canning Co. 351,827; Nov. 9; Serial No. 394,395; published Aug. 31, 1937.
Canned sardines. M. Mizugaki. 351,757; Nov. 9; Serial No. 386,166; published Aug. 31, 1937.
Canned shrimp, canned vegetables, and canned fruits. Pelican Lake Oyster & Packing Co. Ltd. 120,625; renewed Feb. 19, 1938.
Canned vegetables. Fall River Canning Company. 351,868; Nov. 9; Serial No. 395,572; published Aug. 31, 1937.
Canned vegetables. Lineboro Canning Company. 351,818; Nov. 9; Serial No. 394,137; published Aug. 31, 1937.
Cereal, Breakfast. General Mills, Inc. 351,860; Nov. 9; Serial No. 395,130; published Aug. 31, 1937.
Cereal foods, Breakfast. New Foods, Inc. 351,857; Nov. 9; Serial No. 395,045; published Aug. 31, 1937.
Cheese, Cream. Borden Company. 351,838; Nov. 9; Serial No. 394,778; published Aug. 31, 1937.
Coffee, tea, spices, etc. Weidman, Ward & Co. 351,746; Nov. 9; Serial No. 379,777; published Aug. 31, 1937.
Compound, a substitute for lard. Kingan & Company. 120,266; renewed Jan. 29, 1938.
Confections, Frozen. B. L. York. 351,806; Nov. 9; Serial No. 393,789; published Aug. 31, 1937.
Cookies. Girl Scouts, (Incorporated). 351,842; Nov. 9; Serial No. 394,836; published Aug. 31, 1937.
Crackers, biscuits, and cakes. Loose-Wiles Biscuit Company. 351,763; Nov. 9; Serial No. 387,335; published Mar. 23, 1937.
Desserts and frozen confections, Frozen. Fussell-Young Ice Cream Company. 351,863; Nov. 9; Serial No. 395,191; published Aug. 31, 1937.
Flour, canned fruits, canned vegetables, Wheat. Blair-Wood Company. 351,832; Nov. 9; Serial No. 394,526; published Aug. 31, 1937.
Flour, Wheat. Pillsbury Flour Mills Company. 351,858; Nov. 9; Serial No. 395,087; published Aug. 31, 1937.
Food product, Powdered. General Desserts Corporation. 351,830; Nov. 9; Serial No. 394,485; published Aug. 31, 1937.
Food, Stock. Wisconsin Milling Company. 351,837; Nov. 9; Serial No. 394,765; published Aug. 31, 1937.
Fruit, Fresh citrus. Golden West Citrus Association. 351,786; Nov. 9; Serial No. 392,269; published Aug. 31, 1937.
Fruits and vegetables, Fresh citrus. Ben B. Krasnow Company. 351,816; Nov. 9; Serial No. 394,089; published Aug. 31, 1937.
Mayonnaise, horse radish, and sour pickles, Fresh. Jas. E. Arthur & Son. 351,738; Nov. 9; Serial No. 353,164; published Aug. 31, 1937.
Meal, Alfalfa leaf. H. R. Snow. 351,861; Nov. 9; Serial No. 395,155; published Aug. 31, 1937.
Milk, Fresh. Walker-Gordon Laboratory Company. 351,840; Nov. 9; Serial No. 394,816; published Aug. 31, 1937.
Pineapple, canned pineapple juice, and canned pineapple, Fresh. Arthur Serra & Co. 351,772; Nov. 9; Serial No. 389,698; published Aug. 31, 1937.
Potatoes, Fresh sweet. Portales Valley Sweet Potato Growers Assn. 351,844; Nov. 9, 1937. Serial No. 394,859; published Aug. 31, 1937.
Poultry and eggs, Dressed. E. E. Reardon. 351,754; Nov. 9; Serial No. 384,815; published Aug. 31, 1937.
Rice, bran for animal feed, etc. Kaplan Rice Mill, Inc. 351,881; Nov. 9.
Tapioca product made from corn. Kellogg Toasted Corn Flake Company. 119,324; renewed Nov. 13, 1937.
Vegetables, Fresh. Premier Produce Company. 351,808; Nov. 9; Serial No. 393,819; published Aug. 31, 1937.
Wheat bran. Thomas Page Mill Company. 351,903; Nov. 9.

CLASS 47

Wines, Carbonated. Vineyards of America, Inc. 351,799; Nov. 9; Serial No. 393,350; published Aug. 31, 1937.

CLASS 48

Stout and ale. Edward & John Burke, Limited. 120,247; renewed Jan. 29, 1938.

CLASS 49

Brandy, Grape. B. Cribari & Sons, Inc. 351,751; Nov. 9; Serial No. 383,768; published Nov. 10, 1936.
Gin. Roma Wine & Liquor Company. 351,871; Nov. 9; Serial No. 395,928; published Sept. 7, 1937.
Whiskey. Cave Springs Distillery Corporation. 351,869; Nov. 9; Serial No. 395,698; published Aug. 31, 1937.
Whiskey. Liquor Dealers Supply Co. 351,809; Nov. 9.
Whiskey. Louis Sievers Sons Co. 351,893; Nov. 9.

CLASS 50

Composition for covering printers' rollers. "The Durable" Printers' Roller Company. 120,667; renewed Feb. 26, 1938.
Tombstones, monuments, and memorials. Cross Brothers Company. 351,884; Nov. 9.

LIST OF LABELS

Abbotts De Luxe Cream Cheese. For Cream Cheese. Abbotts Dairies, Inc. 50,350; Nov. 9.
Acephen Tablets. For Analgesic and Antipyretic Tablets. Mrs. J. S. Robinson. 50,357; Nov. 9.
A Guaranteed Net of Paramount Quality. For Hair Nets. Glemby Company. 50,353; Nov. 9.
Charlo Brand Big Apple. For Apple Juice. Piedmont Apple Products Co. 50,355; Nov. 9.
Glorieta. For Grape Brandy. G. Vai. 50,359; Nov. 9.
Mira Linda. For California Burgundy. G. Vai. 50,358; Nov. 9.
Original Havana Smokers. For Cigars. W. M. Pinckard. 50,356; Nov. 9.
Sheri Chee. For Aged Cheddar Cheese Steeped in Old Sherry Wine and Combined With Milk Proteins. Arden Farms, Inc. 50,351; Nov. 9.
Sky Bar. For Filled Chocolate Blocks. New England Confectionery Company. 50,354; Nov. 9.
The Porter's Champion—The Better Metal Polish. For Metal Polish. H. Berman. 50,352; Nov. 9.
"X" Flush. For a Flushing Compound for Radiator and Boiler Systems. "X" Laboratories, Inc. 50,360; Nov. 9.

LIST OF PRINTS

A World's Fair of Gifts. For Gifts. Allied Purchasing Corporation. 16,565–6; Nov. 9.
Clever Women add Sparkle to 'Below Par' Menus this New Way. For Biscuit Flour. General Mills, Inc. 16,567; Nov. 9.
Faemade Undergarments. For Undergarments. R. A. Wentzel. 16,570; Nov. 9.
Harrisburg Steel Corporation. For Forged and Seamless Steel Products. Harrisburg Steel Corporation. 16,568; Nov. 9.
Starman Syphons. For Syphons for Carbonated Beverages. Starman Syphon Mfg. Co. 16,569; Nov. 9.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Carborundum Company, The. (See Walker, Avery W., assignor.)
Doyle, Edgar D., assignor to Leeds & Northrup Company, Philadelphia, Pa. Apparatus for controlling load distribution. 20,548; Nov. 9.
Heald Machine Company, The. (See Raule, Clifford T., assignor.)
Leeds & Northrup Company. (See Doyle, Edgar D., assignor.)
Raule, Clifford T., Vista, Calif., assignor to The Heald Machine Company, Worcester, Mass. Two slide automatic grinding machine. 20,549; Nov. 9.
Rouse, Warren E., Pleasant Ridge, Mich., assignor to The Waterbury Tool Company, Waterbury, Conn. Mooring and hoisting apparatus. 20,551; Nov. 9.
Walker, Avery W., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Sanding drum. 20,550; Nov. 9.
Waterbury Tool Company, The. (See Rouse, Warren E., assignor.)

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)
American Car and Foundry Company. (See Barlow, I. C., Campbell, and Kuhler, assignors.)
American Centrifugal Corporation. (See Pecker, Joseph S., assignor.)
American Stove Company. (See Hoffman, Rudolph, assignor.)
American Thermos Bottle Company. (See Dreyfuss, Henry, assignor.)
Anderson, Carl E., and C. R. Palmer, Steubenville, Ohio. Hollow double-wall glass reflector. 106,877; Nov. 9.
Aro Equipment Corporation, The. (See Ginter, Charles W., assignor.)
Aronson, Louis V., assignor to Art Metal Works, Inc., Newark, N. J. Book end or similar article. 106,878; Nov. 9.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Association of 20-30 Clubs, The. (See Yardley, Ralph O., assignor.)
Barlow, Isaac C., and E. D. Campbell, Berwick, Pa., and O. Kuhler, Grantwood, N. J., assignors to American Car and Foundry Company, New York, N. Y. Articulated railway car or similar article. 106,907; Nov. 9.
Blaret, Elyon, New York, N. Y. Dress. 106,908; Nov. 9.
Blomberg, Martin P. (See Hamilton, H. L., Dilworth, Blomberg, Knickerbocker, and Klein.)
Blomberg, Martin P. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein.)
Buma, Yuklo, assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 106,879; Nov. 9.
Bumgardner, Dayton, and A. B. Pickands, Chicago, Ill. Dental flask attachment. 106,880; Nov. 9.
Campbell, Edmund D. (See Barlow, I. C., Campbell, and Kuhler.)
Carlson, William G., assignor to Hedstrom-Union Company, Gardner, Mass. Gocart. 106,909; Nov. 9.
Cornell, Minn S., Jr., assignor to The Middletown Silver Company, Middletown, Conn. Covered dish or similar article. 106,858; Nov. 9.
Cornell, Minn S., Jr., assignor to The Middletown Silver Company, Middletown, Conn. Covered dish or similar article. 106,859; Nov. 9.
Cornell, Minn S., Jr., assignor to The Middletown Silver Company, Middletown, Conn. Covered dish or similar article. 106,860; Nov. 9.
Cotes, Mervin F., and W. C. Schneider, assignors to Motor Wheel Corporation, Lansing, Mich. Heater cabinet. 106,910; Nov. 9.
Crane Co. (See Rumely, Vincent P., assignor.)
Dellinger, Paul C., Lancaster, Pa., assignor to U. S. Expansion Bolt Company, New York, N. Y. Nail drive anchor. 106,861; Nov. 9.
Deppermann, William F., Orange, N. J., assignor to S. S. Stafford, Inc., New York, N. Y. Pen and ink desk-stand. 106,911; Nov. 9.
Dilworth, Richard M. (See Hamilton, H. L., Dilworth, Blomberg, Knickerbocker, and Klein.)
Dilworth, Richard M. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein.)
Dreyfuss, Henry, New York, N. Y., assignor to The American Thermos Bottle Company, Norwich, Conn. Combined bottle and cup. 106,862; Nov. 9.
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Edson, Bert, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y. Lace. 106,881; Nov. 9.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Brace for screen doors and the like. 106,863; Nov. 9.
Ex-Cell-O Corporation. (See Van Doren, Harold, assignor.)
Federico, Joseph B., Niagara Falls, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing unit. 106,864; Nov. 9.
Federico, Joseph B., Niagara Falls, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing unit. 106,865; Nov. 9.
Federico, Joseph B., Niagara Falls, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing unit. 106,866; Nov. 9.
Federico, Joseph B., Niagara Falls, assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Character bearing unit. 106,867; Nov. 9.
Feintuck, Rose, New York, N. Y. Dress. 106,912; Nov. 9.
Fogarty, John A., Portland, Maine. Shoe fabric or similar article. 106,882; Nov. 9.
Fracchia, Pauline, New York, N. Y. Dress. 106,942; Nov. 9.
Fracchia, Pauline, New York, N. Y. Dress. 106,943; Nov. 9.
Fracchia, Pauline, New York, N. Y. Dress. 106,944; Nov. 9.
Fuchs, John E., New York, N. Y. Glove. 106,913; Nov. 9.
General Motors Corporation. (See Hamilton, H. L., Dilworth, Blomberg, Knickerbocker, and Klein, assignors.)
General Motors Corporation. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein, assignors.)
General Motors Corporation. (See Mead, Howard C., assignor.)
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Dispenser for lubricants or the like. 106,883; Nov. 9.
Ginter, Charles W., assignor to The Aro Equipment Corporation, Bryan, Ohio. Gear case flusher or similar article. 106,914; Nov. 9.
Goldstein, Abe A., New York, N. Y. Lace. 106,915; Nov. 9.
Goldstein, Abe A., New York, N. Y. Lace. 106,916; Nov. 9.
Gridley, John C., Alhambra, Calif. Hostess cart. 106,884; Nov. 9.
Haertel, Bruno, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Textile fabric or similar article of manufacture. 106,917; Nov. 9.
Hamilton, Harold L., and R. M. Dilworth, La Grange, and M. P. Blomberg, Hinsdale, Ill., and L. A. Knickerbocker and C. J. Klein, assignors to General Motors Corporation, Detroit, Mich. Locomotive body. 106,918; Nov. 9.
Hamilton, Harold L., and R. M. Dilworth, La Grange, and M. P. Blomberg, Hinsdale, W. D. Otter, River Forest, Ill., and L. A. Knickerbocker and C. J. Klein, assignors to General Motors Corporation, Detroit, Mich. Locomotive body. 106,919; Nov. 9.
Hamilton, Harold L., and R. M. Dilworth, La Grange, and M. P. Blomberg, Hinsdale, W. D. Otter, River Forest, Ill., and L. A. Knickerbocker and C. J. Klein, assignors to General Motors Corporation, Detroit, Mich. Locomotive body. 106,920; Nov. 9.
Hays, Chadwick J. and G. D., Lansing, Mich. Trading stamp. 106,945; Nov. 9.
Hays, Gertrude D. (See Hays, Chadwick J. and G. D.)
Hazel-Atlas Glass Company. (See Spence, James E., assignor.)

Hedstrom-Union Company. (See Carlson, William G., assignor.)
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,885; Nov. 9.
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,886; Nov. 9.
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,887; Nov. 9.
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,888; Nov. 9.
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,889; Nov. 9.
Hess, Clarence R. T., Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis. Air conditioning control. 106,890; Nov. 9.
Hickok Manufacturing Company. (See Federico, Joseph B., assignor.)
Hoffman, Rudolph, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Range. 106,868; Nov. 9.
Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerator display cabinet. 106,891; Nov. 9.
Juilliard, A. D., & Co. (See Haertel, Bruno, assignor.)
Kirschner, Jack, New York, N. Y. Dress. 106,921; Nov. 9.
Klein, Chris J. (See Hamilton, H. L., Dilworth, Blomberg, Knickerbocker, and Klein.)
Klein, Chris J. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein.)
Knickerbocker, Leland A. (See Hamilton, H. L., Dilworth, Blomberg, Knickerbocker, and Klein.)
Knickerbocker, Leland A. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein.)
Kopanski, Roman, assignor to The Ward Products Corporation, Cleveland, Ohio. Automobile roof aerial. 106,922; Nov. 9.
Kuhler, Otto. (See Barlow, I. C., Campbell, and Kuhler.)
Kushner, Jacob J., New York, N. Y. Dress. 106,946; Nov. 9.
Kushner, Jacob J., New York, N. Y. Dress. 106,947; Nov. 9.
Laye, Florence, New York, N. Y. Dress. 106,923; Nov. 9.
Lewis, Charles, New York, N. Y. Bolero jacket. 106,924; Nov. 9.
McCray Refrigerator Company. (See Hopkins, George J., assignor.)
McGeough, William J., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Bobbin for loom shuttles or similar articles. 106,892; Nov. 9.
McMahan, Roy F., Louisville, Ky. Chair rung. 106,893; Nov. 9.
McNahan, Roy F., Louisville, Ky. Chair rung. 106,894; Nov. 9.
Mead, Howard C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lamp closure. 106,925; Nov. 9.
Michelson, Margaret, New York, N. Y. Dress. 106,895; Nov. 9.
Michelson, Margaret, New York, N. Y. Dress ensemble. 106,926; Nov. 9.
Middletown Silver Company, The. (See Cornell, Minn S., Jr., assignor.)
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 106,927; Nov. 9.
Miller, Thomas E., Nashville, Tenn. Safety device for pedestrians. 106,869; Nov. 9.
Minoff, Jack, Newark, N. J. Knitted fabric. 106,896; Nov. 9.
Minoff, Jack, Newark, N. J. Knitted fabric. 106,897; Nov. 9.
Moody, Morris R., assignor to The Troy Sunshade Company, Troy, Ohio. Chair or the like. 106,898; Nov. 9.
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Motor Wheel Corporation. (See Cotes, M. F., and Schneider, assignors.)
New England Lace Mills, Inc. (See Edson, Bert, assignor.)
Newmaker, Floyd H., Warren, Pa. Combined bureau and wardrobe. 106,899; Nov. 9.
Nuckols, Walter, Summit, N. J., assignor to Helena Rubinstein, Inc., New York, N. Y. Bottle. 106,900; Nov. 9.
Otter, William D. (See Hamilton, H. L., Dilworth, Blomberg, Otter, Knickerbocker, and Klein.)
Palmer, Carl R. (See Anderson, C. E., and Palmer.)
Pecker, Joseph S., Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y. Scraper for centrifugal separating machines and analogous articles. 106,870; Nov. 9.
Pena, Howard, Chicago, Ill. Combined comb support and razor blade depository. 106,901; Nov. 9.
Perez, Thomas S., Berkeley, Calif. Flower vase holder. 106,902; Nov. 9.
Perfex Corporation. (See Hess, Clarence R. T., assignor.)
Pickands, Alexander B. (See Baumgardner, D., and Pickands.)
Poster, Sidney J., New York, N. Y. Dress. 106,948; Nov. 9.
Quaranto, Tellie, New York, N. Y. Dress. 106,903; Nov. 9.
Ramos, Candido M., Delano, Calif. Crib-fan. 106,904; Nov. 9.
Roberson, Willard D., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 106,905; Nov. 9.
Rosen, Sydelle, New York, N. Y. Scarf or similar article. 106,950; Nov. 9.
Rosen, Sydelle, New York, N. Y. Scarf or similar article. 106,951; Nov. 9.
Rosen, Sydelle, New York, N. Y. Scarf or similar article. 106,952; Nov. 9.
Rosen, Sydelle, New York, N. Y. Scarf or similar article. 106,953; Nov. 9.
Rosenblatt, Samuel, New York, N. Y. Coat. 106,949; Nov. 9.
Rosenthal, David, New York, N. Y. Dress. 106,928; Nov. 9.
Rosenthal, David, New York, N. Y. Dress. 106,929; Nov. 9.
Rubinstein, Helena, Inc. (See Nuckols, Walter, assignor.)
Rumely, Vincent P., assignor to Crane Co., Chicago, Ill. Handwheel. 106,930; Nov. 9.
Schneider, Walter C. (See Cotes, M. F., and Schneider.)
Sheindelman, Frank, New York, N. Y. Sweater. 106,931; Nov. 9.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 106,932; Nov. 9.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 106,933; Nov. 9.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 106,934; Nov. 9.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 106,935; Nov. 9.
Sobo, Leslie M., New York, N. Y. Knitted sweater. 106,937; Nov. 9.
Spangler, Carl D., Oklahoma City, Okla. Playground apparatus. 106,871; Nov. 9.
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Ashtray. 106,872; Nov. 9.
Stafford, S. S., Inc. (See Deppermann, William F., assignor.)
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 106,873; Nov. 9.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 106,874; Nov. 9.
Stricker, Ethel E., New York, N. Y. Negligee. 106,936; Nov. 9.
Stricker, Ethel E., New York, N. Y. Negligee. 106,954; Nov. 9.
Troy Sunshade Company, The. (See Moody, Morris R., assignor.)
U. S. Bobbin & Shuttle Company. (See McGeough, William J., assignor.)
U. S. Expansion Bolt Company. (See Dellinger, Paul C., assignor.)
Van Doren, Harold, Toledo, Ohio, assignor to Ex-Cell-O Corporation. Machine tool base. 106,875; Nov. 9.
Vaughan, David A., Woodstock, N. Y. Aerial for automobiles. 106,938; Nov. 9.
Ward Products Corporation, The. (See Kopanski, Roman, assignor.)
Waterman, Waldo D., Santa Monica, Calif. Airplane. 106,939; Nov. 9.
Weisman, Harry, New York, N. Y. Gown pajama. 106,940; Nov. 9.
Wenett, Philip, New York, N. Y. Dress. 106,941; Nov. 9.
Yale Fabrics Corp. (See Roberson, Willard D., assignor.)
Yardley, Ralph O., Stockton, assignor to The Association of 20-30 Clubs, Sacramento, Calif. Badge. 106,876; Nov. 9.
Ziringer, Roscoe C., Pittsburgh, Pa. Advertising display band. 106,906; Nov. 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A. B. T. Manufacturing Company. (See Slezak, Vincent F., assignor.)
Aerovox Corporation. (See Georgiev, Alexander, assignor.)
Affel, Herman A., Ridgewood, N. J., assignor to American Telephone and Telegraph Company. Maintenance of program transmission circuits. 2,098,329; Nov. 9.
Agfa Ansco Corporation. (See Schneider, W., and Wilmanns, assignors.)
Aguinek, Harry, assignor to S. Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y. Knitting machine. 2,098,446; Nov. 9.
Air Devices Corporation. (See Child, Lachlan W., assignor.)
Air Devices Corporation. (See Smith, Marshall A., Jr., assignor.)
Air-O-Cel Industries Inc. (See Reinke, Floyd C., assignor.)
Allen-Bradley Company. (See Bradley, H. L., and Haas, assignors.)
Allen, Clarence W., San Francisco, Calif. Lifeboat propelling mechanism. 2,098,606; Nov. 9.
Allen, Lowell C., and B. B. Doughty, Belleville, Ill. Cleaning and polishing composition. 2,098,607; Nov. 9.
Allis-Chalmers Manufacturing Company. (See Frudden, Conrad E., assignor.)
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Control system. 2,098,819; Nov. 9.
Allmänna Svenska Elektriska Aktiebolaget. (See Hansson, Bror, assignor.)
Ambruster, Cornelius, Glenside, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery. 2,098,908; Nov. 9.
American Can Company. (See Smith, William R., assignor.)
American Character Doll Co. (See Schaeffer, Edward G., assignor.)
American Engineering Company. (See Landenberger, Henry W., assignor.)
American Engineering Company. (See Myers, Charles L., assignor.)
American Fork & Hoe Company, The. (See Cowdery, Robert H., assignor.)
American Hoist and Derrick Company. (See Ljungkull, Rolf E., assignor.)
American Optical Company. (See Gagnon, Louis L., assignor.)
American Optical Company. (See Wrighton, William J., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Seating Company. (See Leader, H. S., and Nordmark, assignors.)
American Smelting and Refining Company. (See Marble, Earl R., assignor.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
American Thermos Bottle Company, The. (See Payson, Arthur H., assignor.)
American Thread Company, The. (See Baker, Dickerson G., assignor.)
Ammon, Charles D., Lincoln, Nebr. Automatic choking device. 2,098,479; Nov. 9.
Ammon, Charles D., Lincoln, Nebr. Grinder. 2,098,480; Nov. 9.
Amsler, Max, Biel, Switzerland. Dry safety razor. 2,098,849; Nov. 9.
Anderson, Samuel M., and R. T. Palmer, Sharon, assignors to B. F. Sturtevant Company, Inc., Boston, Mass. Air conditioning system utilizing refrigeration. 2,098,558; Nov. 9.
Anderson, William, Bromley, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 2,098,559; Nov. 9.
Anderson, Sven W. E., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Ice tray release mechanism. 2,098,850; Nov. 9.
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich. Robot phonograph. 2,098,216; Nov. 9.
Andrews, Anatol N., Los Angeles, Calif. Fountain pen valve. 2,098,528; Nov. 9.
Andrews, Champe S., North Chattanooga, Tenn. Sealed container. 2,098,818; Nov. 9.
Angier, Edward H., assignor to E. H. Angier, Framingham, Mass., as trustee. Box stay. 2,098,909; Nov. 9.
Angier, Edward H., trustee. (See Angier, Edward H., assignor.)
Appleford Paper Products Limited. (See Lawson, A. R., and Huffman, assignors.)
Applicator Products Corporation. (See Goltman, J. T., and Robbins, assignors.)
Arkell, Bartlett. (See Jarrier, René, assignor.)
Armour and Company. (See Mertz, Edwin T., assignor.)
Armstrong Cork Company. (See Tucker, William B., assignor.)
Armstrong, Edwin H., New York, N. Y. Radio transmitting system. 2,098,698; Nov. 9.
Armstrong, Frank H., assignor to Safety Mining Company, Chicago, Ill. Method and apparatus for charging blasting cartridges. 2,098,529; Nov. 9.
Arnold Print Works. (See de Goencz, D., and Tarnuzzer, assignors.)
Ash, Charles S., Birmingham, assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,098,851; Nov. 9.
Ashton, Ralph. (See Riley, R. H. J., Ashton, and Livesey.)
Askania-Werke A. G., vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Günther, Wolfgang, assignor.)
Associated Spring Corporation of Delaware. (See Cook, Raymond W., assignor.)
Athletic Shoe Company, The. (See Shapiro, Isadore, assignor.)
Atlas Powder Company. (See Bashford, Raymond I., assignor.)
Atwood Machine Company, The. (See Rowe, I. R., and Bradley, assignors.)
Aubert, Fred B., and J. Rossetti, Chicago, Ill., assignors to Super Sensitive Controls Corp. Electronic apparatus. 2,098,217; Nov. 9.
Autogas Corporation. (See Furlong, Francis A., assignor.)
Autogiro Company of America. (See de la Cierva, Juan, assignor.)
Autographic Register Company. (See Johnson, Arthur A., assignor.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Awbrey, Samuel C., Kansas City, Mo. Dividing bar. 2,098,714; Nov. 9.
Awbrey, Samuel C., Kansas City, Mo. Toggery rack. 2,098,715; Nov. 9.
Ayers, Frank J., Piedmont, S. C. Flue oven cleaner. 2,098,898; Nov. 9.
Baash, Lawrence F., Los Angeles, Calif. Pipe handling tool. 2,098,369; Nov. 9.
Bailey, Charles M., Company. (See Sparrow, Arthur J., assignor.)
Bailey Meter Company. (See Dickey, Paul S., assignor.)
Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Bailey Meter Company. (See Weaver, Harry E., assignor.)
Baird, Frank C., Detroit, Mich. Brake control. 2,098,481; Nov. 9.
Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Bobbin and producing the same. 2,098,218; Nov. 9.
Baker, Dickerson G., Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Making wound bobbins. 2,098,219; Nov. 9.
Bannon, Joseph F., and C. W. Bigler, Crafton, Pa. Automatic brake control. 2,098,736; Nov. 9.
Bares, Ovide, Sulphur, and R. I. Bares, Vinton, La. Device for orienting whipstocks. 2,098,271; Nov. 9.
Bares, Roy I. (See Bares, Ovide and R. I.)
Barnes, George L., Terre Haute, Ind. Block or slab molding means and method. 2,098,929; Nov. 9.
Barnes, J. Bailey. (See Elliott, Richard D., assignor.)
Barnes, John S., P. R. Guirl, and G. C. Johnson, assignors to W. F. & John Barnes Company, Rockford, Ill. Material working apparatus. 2,098,220; Nov. 9.
Barnes, W. F. & John, Company. (See Barnes, J. S., Guirl, and Johnson, assignors.)
Barnhart, Philip S., Westfield, assignor to Westfield River Paper Company, Russell, Mass. Cement or binder material. 2,098,221; Nov. 9.

Barnhart, Philip S., Westfield, assignor to Westfield River Paper Company, Russell, Mass. Making cement or bonding material. 2,098,222; Nov. 9.

Barnhart, Philip S., Westfield, assignor to Westfield River Paper Company, Russell, Mass. Laminated sheet of paper or like material. 2,098,223; Nov. 9.

Barrett, Edwin W., Barrington, assignor to Warren Textile and Machinery Supply Co., Warren, R. I. Warp stop motion for looms. 2,098,560; Nov. 9.

Barry, Robert E., et al. (See Mann, William B. W., assignor.)

Bartels, Hans, Berlin-Spandau, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic control of amplification. 2,098,370; Nov. 9.

Bashford, Raymond L., Philadelphia, Pa., assignor to Atlas Powder Company, Wilmington, Del. Preventing the formation of sleet on mobile bodies. 2,098,482; Nov. 9.

Batsel, Cecil N., Haddonfield, N. J., assignor to Radio Corporation of America. Combined sound and picture apparatus. 2,098,699; Nov. 9.

Batsel, Cecil N., Haddon Heights, N. J., assignor to Radio Corporation of America. Combined sound and picture apparatus. 2,098,700; Nov. 9.

Battelle Memorial Institute, The. (See Sullivan, John D., assignor.)

Bartocchi, Silvio, Bronx, N. Y. Sharpening device. 2,098,530; Nov. 9.

Bax, Lionel D., Denver, Colo. Piston expander. 2,098,447; Nov. 9.

Bay State Optical Company. (See Nerney, George E., assignor.)

Bazé, William L., Paris, France. Stabilization of ships. 2,098,531; Nov. 9.

Beale, William F. (See Exline, M. P., and Beale.)

Becker, Oskar W., Hamburg, assignor to firm Naturin Gesellschaft mit beschränkter Haftung, Weinheim-B, Germany. Device for hardening structures produced from hide substance. 2,098,852; Nov. 9.

Bedford, Alda V., Collingswood, N. J., assignor to Radio Corporation of America. Printer. 2,098,371; Nov. 9.

Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. System for producing stereosonic effects. 2,098,561; Nov. 9.

Bell Telephone Laboratories, Incorporated. (See Carpenter, W. W., and Myers, assignors.)

Bell Telephone Laboratories, Incorporated. (See Garfield, Owen R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gent, Edgar W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hopkins, Harris F., assignor.)

Bell Telephone Laboratories, Incorporated. (See May, David T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mendenhall, Hallam E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rockwood, George H., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Treptow, Frederick W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wente, Edward C., assignor.)

Belloch, Morris, Brooklyn, N. Y. Brooch. 2,098,820; Nov. 9.

Benander, George B., Yalesville, Conn., assignor to General Electric Company. Connecter. 2,098,800; Nov. 9.

Bendix Aviation Corporation. (See La Brie, Ludger E., assignor.)

Bendix Aviation Corporation. (See Price, Harold W., and E. R., assignors.)

Bendix Brake Company. (See Carroll, Eugene G., assignor.)

Bendix Products Corporation. (See Goepfrich, Rudolph A., assignor.)

Bendix Products Corporation. (See Kliesrath, Victor W., assignor.)

Bendix Products Corporation. (See Miller, Richard B., assignor.)

Bendix Products Corporation. (See Tatter, John W., assignor.)

Benedek, Elek K., Bucyrus, Ohio. Hydraulic motor for rotary spindle machines. 2,098,213; Nov. 9.

Benedek, Elek K., Bucyrus, Ohio. Hydraulic motor for rotary spindle machines. 2,098,214; Nov. 9.

Benson, Simon, Chicago, Ill. Therapeutic apparatus. 2,098,272; Nov. 9.

Bergès, André, Lorp, France. Apparatus for the purification of miscellaneous liquid mixtures. 2,098,608; Nov. 9.

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,098,224; Nov. 9.

Bigelow-Sanford Carpet Co. Inc. (See Cook, Jerome E., assignor.)

Bigler, Clarence W. (See Bannon, J. F., and Bigler.)

Billingsley, John A., Dayton, Ohio. Clothes drier. 2,098,853; Nov. 9.

Binder, Herbert E., Milwaukee, Wis. Coat and hat hook. 2,098,330; Nov. 9.

Bishop, Harry Z., Lyons, N. Y. Shovel with adjustable handle. 2,098,609; Nov. 9.

Black, William A., Montclair, N. J., assignor to United Research Corporation, Burbank, Calif. Film driving apparatus. 2,098,215; Nov. 9.

Blake, Eli J., deceased, Haddonfield, N. J., E. A. Blake, executrix. Remote control system. 2,098,910; Nov. 9.

Blake, Elsie A., executrix. (See Blake, Eli J.)

Blaney, William H., Dallas, Tex. Automobile theft preventer. 2,098,854; Nov. 9.

Bluhm, Charles E., Rochester, N. Y. Dental floss holder. 2,098,610; Nov. 9.

Blumlein, Alan D., West Ealing, London, assignor to Electric & Musical Industries, Limited, Blyth Road, Hayes, England. Sound-transmission, sound-recording, and sound-reproducing system. 2,098,372; Nov. 9.

Bogue, William, Chicago, Ill. Circuit control device. 2,098,771; Nov. 9.

Bonham, Byron D., Los Angeles, Calif. Plaster mixer. 2,098,483; Nov. 9.

Boone, Pearley, B., San Francisco, Calif. Switch plug connecter. 2,098,225; Nov. 9.

Borchert, William, assignor to The Tagit Company, Rochford, Ill. Tag package. 2,098,611; Nov. 9.

Bornfriend, Louis, Brooklyn, N. Y. Self-winding timepiece. 2,098,737; Nov. 9.

Bossler, Robert B. (See Brundred, W. J., Crowley, and Bossler.)

Bovay, Norman E., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Rubber soled footwear. 2,098,412; Nov. 9.

Bowman, William J., Kitchener, Ontario, Canada. Automatic station selector for radio receivers. 2,098,331; Nov. 9.

Brackett, Fred M. (See Daneke, Dietrich, assignor.)

Bradley, Edward E. (See Rowe, I. R., and Bradley.)

Bradley, Harry L., and F. J. Haas, assignors to Allen-Bradley Company, Milwaukee, Wis. Rheostat. 2,098,273; Nov. 9.

Bramigk, Fritz W., Detroit, Mich. Complex compounds of cinchophen and its derivatives. 2,098,448; Nov. 9.

Brandjord, Iver M., Helena, Mont. House roof construction. 2,098,855; Nov. 9.

Breitenstein, Charles J. (See Nicolaus, F. G., and Breitenstein.)

Brewster, Oswald C., M. G. Paulus, and A. E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Continuous pressure distillation process. 2,098,772; Nov. 9.

Bridges, Joseph E., Independence, Mo. Meat tenderer. 2,098,856; Nov. 9.

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Brodie, Ralph N., Company. (See Ward, H. E., and Brown, assignors.)

Bronson, Franklin F., Richmond, Va. Floating piston structure. 2,098,612; Nov. 9.

Bronson Reel Company. (See Schafer, John V., assignor.)

Broughton, Winn E. (See McLaughlin, G. E., and Broughton.)

Brouwer, Rodger D. (See Murden, W. T., and Brouwer.)

Brown, George H., Haddonfield, N. J., assignor to Radio Corporation of America. Antenna circuit modulation. 2,098,373; Nov. 9.

Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)

Brown, Walter W. (See Ward, H. E., and Brown.)

Brown, William, assignor to McAdoo & Allen Welting Company, Quakertown, Pa. Goodyear welt. 2,098,911; Nov. 9.

Browning, John, assignor to J. M. & M. S. Browning Company, Ogden, Utah. Firearm. 2,098,562; Nov. 9.

Browning, J. M. & M. S., Company. (See Browning, John, assignor.)

Brubaker, Merlin M. (See Charch, W. H., Brubaker, and Meigs.)

Brundred Oil Corporation. (See Brundred, W. J., Crowley, and Bossler, assignors.)

Brundred, William J., W. E. Crowley, and R. B. Bossler, assignors to Brundred Oil Corporation, Oil City, Pa. Packer. 2,098,484; Nov. 9.

Bryan, William J., Jr. (See Thomas, Richard, assignor.)

Buckbee, John C., Los Angeles, Calif. Rotary pump. 2,098,652; Nov. 9.

Buckingham, Harold S., Bala-Cynwyd, assignor to Silver Seal Dairy Products Company, Philadelphia, Pa. Adhesive applying mechanism. 2,098,857; Nov. 9.

Budlong, Simeon, Chicago, Ill. Transmission mechanism. 2,098,716; Nov. 9.

Bukolt, Roman B., Stevens Point, Wis. Fire alarm-actuating means. 2,098,532; Nov. 9.

Bullock, Charles H., Evanston, Ill. Sink strainer bracket. 2,098,374; Nov. 9.

Bur, Arnold G. (See Krippner, P. G., Heins, and Bur.)

Burgess, C. F., Laboratories, Inc. (See Slidell, Kemper, assignor.)

Burgess, Henry A., Los Angeles, Calif., assignor of one-half to S. A. Morehouse. Automatic parachute. 2,098,613; Nov. 9.

Busson, James W., and G. C. Thompson, Los Angeles, Calif. Receptacle. 2,098,858; Nov. 9.

Caldwell, James A., San Antonio, Tex. Head bumper for animals. 2,098,614; Nov. 9.

Calkins, Raymond M., Deerfield, and J. W. Swank, Chicago, Ill. Building construction. 2,098,717; Nov. 9.

Calvert, William C. (See Winkelmann, H. A., and Calvert.)

Cambosco Scientific Company. (See Lewis, Ervin H., assignor.)

Cambridge Trust Company, executor. (See Troland, Leonard T.)

Caminez, Harold, and N. H. Gilman, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Supercharger mechanism for internal combustion engines. 2,098,718; Nov. 9.

Campbell, George, Aurora, Nebr. Attachment for lister planters. 2,098,738; Nov. 9.

Card, William C., Jr., Winthrop, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Apparatus for making welt units. 2,098,563; Nov. 9.

Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Pressing shoes. 2,098,773; Nov. 9.

Carew, Herman, Easton, Pa., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill. Treating paper. 2,098,533; Nov. 9.

Carey-McFall Co. (See Stuber, Walter J., assignor.)

Carlson, Eric, Chicago, Ill. Joist support. 2,098,485; Nov. 9.

Carpenter, Warren W., Garden City, and O. Myers, Brooklyn, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,098,274; Nov. 9.

Carrier Corporation. (See Lewis, Leo L., assignor.)

Carroll, Eugene G., Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Hydraulic brake apparatus. 2,098,653; Nov. 9.

Carrollton Metal Products Company, The. (See Pfefferkorn, F. F., and Stevens, assignors.)

Carter, Leslie F., and C. A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Magnetic directional gyroscope. 2,098,564; Nov. 9.

Carter, Wilbur A., Detroit, Mich. Load allocating device. 2,098,654; Nov. 9.

Cary, Beecher B., assignor to Hayes Industries, Inc., Jackson, Mich. Fan construction. 2,098,640; Nov. 9.

Cassen, Benedict, Detroit, Mich., assignor to Westinghouse X-Ray Company Inc. X-ray measuring system. 2,098,275; Nov. 9.

Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)

Celanese Corporation of America. (See Riley, R. H. J., Ashton, and Livesey, assignors.)

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,534; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,535; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,536; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,537; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,538; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,539; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,540; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,541; Nov. 9.

Charch, William H., Buffalo, N. Y.; M. M. Brubaker, and F. M. Meigs, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof article. 2,098,542; Nov. 9.

Charter Automatic Starter Inc. (See Charter, James A., assignor.)

Charter, James A., assignor to Charter Automatic Starter Inc., Chicago, Ill. Engine starting apparatus. 2,098,226; Nov. 9.

Chauveau, Louis L. E., Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Telegraphy system with position indicators. 2,098,227; Nov. 9.

Chiason, Placid N., Griggsville, Ill. Combined felly, rim, and dual pneumatic tire structure. 2,098,859; Nov. 9.

Chicago Pneumatic Tool Company. (See Reed, Clarence E., assignor.)

Child, Lachlan W., South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Space conditioner. 2,098,375; Nov. 9.

Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Engine cooling and cowling. 2,098,565; Nov. 9.

Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. De-icing means for aircraft. 2,098,566; Nov. 9.

Chipman, John S., Easton, Pa., assignor to Chipman Knitting Mills. Manufacture of full-fashioned hosiery on flat knitting machines. 2,098,739; Nov. 9.

Chipman, John S., Easton, Pa., assignor to Chipman Knitting Mills. Knitting of inside-out hosiery. 2,098,740; Nov. 9.

Chipman Knitting Mills. (See Chipman, John S., assignor.)

Chittenden, Fayette D. (See Keen, A. W., and Chittenden.)

Christian, Manfred, Berlin-Reinickendorf, Germany. Air-cooled cylinder head. 2,098,741; Nov. 9.

Church, Walter L., Houston, Tex. Overshot. 2,098,332; Nov. 9.

Churchill, David C., Berea, Ky. Hand operated loom. 2,098,449; Nov. 9.

Citterio, Siro, and P. Vacchina, Turin, Italy. Railway signaling system and apparatus. 2,098,719; Nov. 9.

Clark, Harold W., assignor to The McCaskey Register Company, Alliance, Ohio. Cash register. 2,098,486; Nov. 9.

Clarke, Hans T., New York, and C. J. Malm, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Artificial silk. 2,098,228; Nov. 9.

Coffey, Samuel, M. Lapworth, and W. A. Sexton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Azo dyes and their preparation. 2,098,276; Nov. 9.

Compagnie Generale de Telegraphie Sans Fil. (See Chauveau, Louis L. E., assignor.)

Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)

Comstock, George F., and V. V. Efimoff, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Incorporating nitrogen in alloy steels. 2,098,567; Nov. 9.

Cone, Hayes, assignor to United Specialties Sales Corporation, New York, N. Y. Advertising device. 2,098,568; Nov. 9.

Conn, C. G., Ltd. (See Loomis, Allen, assignor.)

Connecticut Telephone and Electric Corporation. (See Curtiss, William R., assignor.)

Conticchio, Rocco, assignor of one-half to J. W. Guzzetta, Mount Vernon, N. Y. Rubber heel. 2,098,277; Nov. 9.

Continental Scale Corporation. (See Weber, M. J., and Vanderhoff, assignors.)

Cook, Calvin C. (See McCullough, N. M., and Cook.)

Cook, Jerome E., Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Strip cutter. 2,098,641; Nov. 9.

Cook, Raymond W., assignor, by mesne assignments, to Associated Spring Corporation of Delaware, Bristol, Conn. Clasp. 2,098,821; Nov. 9.

Cooper, Edward, and T. C. Shiels, assignors to Elias Rogers Co. Limited, Toronto, Ontario, Canada. Spray nozzle. 2,098,487; Nov. 9.

Coupland, Richard C., U. S. Army, Norfolk, Va. Discharger for projectiles. 2,098,229; Nov. 9.

Coursey, Philip R., Surrey, England, and C. H. Marcus, New York, N. Y., assignors to Dubilier Condenser Corporation, New York, N. Y. Electrolytic condenser. 2,098,774; Nov. 9.

Cowdery, Robert H., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Shaft or rod for golf clubs or other sporting implements. 2,098,615; Nov. 9.

Cox, Anthony G., Honolulu, Hawaii. Ukulele. 2,098,701; Nov. 9.

Creech, Everette, Camden, Ohio. Harvester attachment for tractors. 2,098,860; Nov. 9.

Crewdson, Sarah M., assignor of one-third to R. H. Goodhart, Chicago, Ill. Operating seam cutter. 2,098,899; Nov. 9.

Crowley, William E. (See Brundred, W. J., Crowley, and Bossler.)

Cude, Agnes H., administratrix. (See Cude, Harold E.)

Cude, Harold E., deceased, A. H. Cude, Manchester, Conn., administratrix. Forming articles from paper. 2,098,642; Nov. 9.

Cunneen, James M., Jersey City, N. J., assignor to The Lubrication Corporation, Chicago, Ill. Chocking device for vehicle lifts. 2,098,376; Nov. 9.

Curley, Franklin C., Hamburg, N. Y. Bottle. 2,098,823; Nov. 9.

Curtis, Clement N., Weymouth, Mass. Fastener for closures. 2,098,569; Nov. 9.

Curtiss, William R., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn. Signal device. 2,098,742; Nov. 9.

Cutting, Richard H., Cleveland, Ohio. Drafting instrument. 2,098,616; Nov. 9.

Cutts, Richard M., Jr., Quantico, Va. Spreader tube. 2,098,617; Nov. 9.

Dahlen, Miles A., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrogen containing organic compounds. 2,098,861; Nov. 9.

Dahlstrom, Roy, East Orange, and L. W. Ryan, Westfield, N. J., assignors, by mesne assignments, to National Lead Company, New York, N. Y. Manufacture of titanium pigments. 2,098,278; Nov. 9.

Dalton, Frederick C., Portland, Oreg. Fuel line clearing and vapor lock removing device. 2,098,720; Nov. 9.
Daneke, Dietrich, assignor to F. M. Brackett, Topeka, Kans. Stripping machine. 2,098,413; Nov. 9.
Davis, Ernest W., Oak Park, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Combined pump and reservoir for centralized lubricating systems. 2,098,570; Nov. 9.
Deere & Company. (See Strandlund, Carl G., assignor.)
De Goencz, Denis, and E. C. Tarnuzzer, assignors to Arnold Print Works, North Adams, Mass. Treating cellulosic materials. 2,098,775; Nov. 9.
De la Cierva, Juan, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa. Aircraft with freely rotative wings. 2,098,230; Nov. 9.
De Lisle, Harold L., Two Rivers, Wis. Work equipment. 2,098,655; Nov. 9.
De Luxe Products Corporation, The. (See Hurn, James E., assignor.)
Demarest, Daniel D., Little Neck, N. Y. Resilient fastener. 2,098,721; Nov. 9.
De Mask, Martin J., Pittsfield, Mass. Electrical contact member for conduits. 2,098,414; Nov. 9.
De Pew, Chester C., Bloomfield, N. J., assignor to Wright Aeronautical Corporation. Link type dynamic damper. 2,098,571; Nov. 9.
Depovsek, Ludwig, Maspeth, N. Y. Interchangeable duplex roller unit. 2,098,722; Nov. 9.
Depue, Harry K., Somerton, Pa. Rake. 2,098,572; Nov. 9.
Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)
Deutsch, Fritz A., Berlin, Germany, assignor to F. Liebhold, Brussels, Belgium. Fluid shock absorber. 2,098,415; Nov. 9.
Deutsch, Fritz A., Berlin, Germany, assignor to F. Liebhold, Brussels, Belgium. Hydraulic shock absorber. 2,098,416; Nov. 9.
Deutsche Gold- und Silber Scheideanstalt vormals Roessler. (See Walter, Hans, assignor.)
Devine, Julius, New York, N. Y. Spark plug. 2,098,934; Nov. 9.
Dicalite Company, The. (See Schmidt, Richard W., assignor.)
Dickey, Paul S., Cleveland, Ohio, assignor to Bailey Meter Company. Control system. 2,098,913; Nov. 9.
Dickinson, Albert, Company, The. (See Hendrickson, Adolph A., assignor.)
Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device for heating systems. 2,098,912; Nov. 9.
Dimmick, Glenn L. (See Reifsteck, C. N., and Dimmick.)
Dingle, Howard, Kurralta Park, assignor to "McMahons" Limited, Adelaide, Australia. Stapling machine. 2,098,573; Nov. 9.
Disston, Henry, & Son, Incorporated. (See Freas, Samuel T., assignor.)
Ditto, Incorporated. (See Hoskins, William, Jr., assignor.)
Dixie-Vortex Company. (See Carew, Herman, assignor.)
Dodge, Adiel Y., South Bend, Ind. Air-circulating equipment. 2,098,378; Nov. 9.
Dodge, Adiel Y., South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device and manufacture. 2,098,379; Nov. 9.
Dodge, Adiel Y., South Bend, Ind., and H. R. Tear, Evanston, Ill., assignors to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,098,377; Nov. 9.
Dole Valve Company, The. (See Lund, James K., assignor.)
Donaghy, Albert, Sr. (See Westin, C. J., and Donaghy.)
Donahue, John V., Anderson, Ind. Lock type shingle. 2,098,488; Nov. 9.
Dorman, Alfred, assignor to E. D. Jones & Sons Company, Pittsfield, Mass. Bandless Jordan plug. 2,098,279; Nov. 9.
Dornself, Hugo, Radevormwald, Germany. Spirometer. 2,098,280; Nov. 9.
Dostert, John H., Crookston, Minn. Machine for treating seed grain. 2,098,618; Nov. 9.
Doughty, Bryan B. (See Allen, L. C., and Doughty.)
Dowsett, Harry M., Winchmore Hill, London, and L. E. O. Walker, Maida Vale, London, England, assignors to Radio Corporation of America. Wireless direction finding system. 2,098,281; Nov. 9.
Doyle, Edgar D., assignor to Leeds and Northrup Company, Philadelphia, Pa. Electrical measuring system. 2,098,574; Nov. 9.
Draper Corporation. (See Webster, Samuel L., assignor.)
Dreyfus, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Treatment of textile material. 2,098,333; Nov. 9.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,098,334; Nov. 9.
Dreyfus, Henry, London, England. Manufacture of derivatives of polyhydroxy compounds. 2,098,335; Nov. 9.
Dreyfus, Henry, London, England. Manufacture of cellulose dervatives and products obtained therefrom. 2,098,336; Nov. 9.
Driggs, Frank H., Highland Park, Ill., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Clad metal body. 2,098,282; Nov. 9.
Dubilier Condenser Corporation. (See Coursey, P. R., and Marcus, assignors.)
Dufay-Chromex Limited. (See Threadgold, Stanley D., assignor.)
Du Mont, Allen B., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J. Cathode ray device. 2,098,231; Nov. 9.
Du Mont, Allen B., Laboratories, Inc. (See Du Mont, Allen B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Charch, W. H., Brubaker, and Meigs, assignors.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, Miles A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Fonda, J. S., and Filson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Greenewalt, Crawford H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Harmon, J., and Meigs, assignors.)
Du Pont, E. I., de Nemours & Company. (See Jennings, Alfred J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Karns, George M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Morgan, Russell, assignor.)
Du Pont, E. I., de Nemours & Company. (See Nickowitz, Max N., assignor.)
Du Pont, E. I., de Nemours & Company. (See Petrescu, Ovid S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Read, B. K., Godard, and Hall, assignors.)
Du Pont, E. I., de Nemours & Company. (See Ressler, Ivan L., assignor.)
Eagle Pencil Company. (See Herstein, Karl M., assignor.)
Eastman Kodak Company. (See Clarke, H. T., and Maim, assignors.)
Eaton, Stanley. (See Ward, T. O., and Eaton.)
Eaton Manufacturing Company. (See Zeder, Henry H., assignor.)
Ebert, Erich. (See Ebert, Fritz and E.)
Ebert, Fritz and E., Koln-Vingst, Germany. Safety razor with resilient detachable support. 2,098,862; Nov. 9.
Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)
Edwards, Harry D., Los Angeles, Calif. Cigarette extinguisher. 2,098,337; Nov. 9.
Edwards, William S., Hamden, assignor to Sargent & Company, New Haven, Conn. Bolt cushioning means for locks. 2,098,776; Nov. 9.
Efimoff, Vlatcheslav V. (See Comstock, G. F., and Efimoff.)
Ehrhardt, Alfred. (See Nawiasky, P., Ehrhardt, and Saftlen.)
Eldco Inc. (See Hokanson, Martin, assignor.)
Electric Auto-Lite Company, The. (See Schneider, William G., assignor.)
Electric & Musical Industries, Limited. (See Blumlein, Alan D., assignor.)
Electric Storage Battery Company, The. (See Ambruster, Cornelius, assignor.)
Electrolux Corporation. (See Stevens, Clarence E., assignor.)
Elliott, Richard D., assignor of one-third to J. H. Barnes, Anoskie, N. C. Combined cutter and advertising device. 2,098,863; Nov. 9.
Elmendorf, Armin, Chicago, Ill. Flexible board wood floor covering. 2,098,777; Nov. 9.
Emily, Anthony. (See Myers, O. T., and Emily.)
Engelmann, Alfred, and G. Wolf, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Gas discharge device. 2,098,380; Nov. 9.
Erben, Henry V., Philadelphia, Pa., assignor to General Electric Company. High voltage electric circuit interrupter. 2,098,801; Nov. 9.
Ericson, Philip E. G., assignor to The Howell Company, St. Charles, Ill. Chair. 2,098,743; Nov. 9.
Ern, Carl F., Jr., Solingen-Wald, Germany. Apparatus for polishing razors and other articles. 2,098,283; Nov. 9.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Everhard, Harry H., Canton, Ohio. Hot water heater. 2,098,489; Nov. 9.
Excel Curtain Company. (See Levan, John F., assignor.)
Exline, Katherine M., et al. (See Exline, M. F., assignor, and Beale.)
Exline, Marcus F., and W. F. Beale, Dallas, Tex., assignors of one-third to D. J. Lyons, St. Louis, Mo., and said Exline assignor of one-third to K. M. Exline, Dallas, Tex. Display device. 2,098,450; Nov. 9.
Felgner, Rudolf. (See Küppenbender, H., Winzenburg, Felgner, Fischer, and Kaden.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fidler, Harry E. (See Maker, D. L., and Fidler.)
Fife, Harvey R., Pittsburgh, Pa. Coating coal. 2,098,232; Nov. 9.
Filson, George W. (See Fonda, J. S., and Filson.)

Finch, William G. H., New York, N. Y. Telepicture synchronizing system. 2,098,802; Nov. 9.
Fine, Harry A., Flushing, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Safety device. 2,098,381; Nov. 9.
Finnell, Charles S., El Paso, Tex. Cigarette. 2,098,619; Nov. 9.
Fischer, Erich, Bad Soden-on-Taunus, and R. Huss, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble azo-dyestuffs. 2,098,643; Nov. 9.
Fischer, Oscar. (See Küppenbender, H., Winzenburg, Felgner, Fischer, and Kaden.)
Fish, Percy C., Kalamazoo, Mich. Mold for manufacturing composite vitreous tile and concrete staves. 2,098,382; Nov. 9.
Fisher, Barney L., Oklahoma City, Okla. Game. 2,098,417; Nov. 9.
Fiske, Augustus H., Warren, assignor to Rumford Chemical Works, Rumford, R. I. Inhibitive compound. 2,098,744; Nov. 9.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,098,866; Nov. 9.
Fitzpatrick, Walter G., Houston, and S. W. Webster, Dallas, Tex. Water-cooled brake drum. 2,098,490; Nov. 9.
Flamini, Francisco, Buenos Aires, Argentina. System for feeding fuels to internal combustion machines. 2,098,575; Nov. 9.
Fleetwings, Inc. (See Miller, Roy G., assignor.)
Florence-Wehrle Stove Co. (See Pickup, George E., assignor.)
Focht, Irvine J. (See Smith, W. E., and Focht.)
Fonda, John S., Kenmore, N. Y., and G. W. Filson, Richmond, Va., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread treatment. 2,098,620; Nov. 9.
Foner, Newton F., Pittsburgh, Pa. Automatic machine for tie-plates. 2,098,576; Nov. 9.
Foner, Newton F., Pittsburgh, Pa. Tie-plate assembly. 2,098,935; Nov. 9.
Forster, Albert, Milanino, Italy. Spur gear. 2,098,864; Nov. 9.
Foster, Walter L., Whittier, and J. J. Santiago, assignors to J. Grant, Los Angeles, Calif. Rotary jar. 2,098,491; Nov. 9.
Foukal, Anthony, Cleveland, assignor to Truscon Steel Company, Youngstown, Ohio. Tunnel lining. 2,098,915; Nov. 9.
Francis, Raymond S., Rumford, R. I., assignor to United States Rubber Products, Inc., New York, N. Y. Apparatus for equalizing the tension of threads. 2,098,418; Nov. 9.
Frans, Erick. (See Mattson, A., Smith, and Frans.)
Fraser, James H., Louisville, Ky. Gate construction. 2,098,284; Nov. 9.
Freas, Samuel T., Trenton, N. J., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa. Rotary file. 2,098,865; Nov. 9.
Freeport Sulphur Company. (See Peterson, Paul D., assignor.)
Frei, Max, assignor to firm Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland. Rail-guided vehicle. 2,098,723; Nov. 9.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical matrix. 2,098,916; Nov. 9.
Frische, Carl A. (See Carter, L. F., and Frische.)
Frudden, Conrad E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pulley attachment for tractors. 2,098,492; Nov. 9.
Fry, Walter L., Bloomfield Hills, Mich. Slip cover. 2,098,684; Nov. 9.
Furlong, Francis A., assignor to Autogas Corporation, Chicago, Ill. Heating system. 2,098,383; Nov. 9.
Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Steering device for automobiles. 2,098,778; Nov. 9.
Gabrielson, Carl, and E. G. Moshier, assignors to L C Smith & Corona Typewriters Inc., Syracuse, N. Y. Typewriting machine. 2,098,285; Nov. 9.
Gagnon, Louis L., assignor to American Optical Company, Southbridge, Mass. Diagnostic instrument. 2,098,702; Nov. 9.
Garand, John C., Springfield, Mass., assignor to The Government of the United States of America, as represented by the Secretary of War. Cartridge clip for firearms. 2,098,234; Nov. 9.
Garfield, Owen R., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,098,286; Nov. 9.
Gearty William P., assignor to M. Smoler, Chicago, Ill. Trimming mechanism attachment. 2,098,493; Nov. 9.
General Aniline Works, Inc. (See Fischer, E., and Huss, assignors.)
General Aniline Works, Inc. (See Hopff, H., and Weickmann, assignors.)
General Aniline Works, Inc. (See Nawiasky, P., Ehrhardt, and Saftlen, assignors.)
General Aniline Works, Inc. (See Orthner, L., and Keppler, assignors.)
General Aniline Works, Inc. (See Schörnig, Ludwig, assignor.)
General Aniline Works, Inc. (See Schubert, Max, assignor.)
General Cable Corporation. (See McKnight, Edgar W., assignor.)
General Electric Company. (See Benander, George B., assignor.)
General Electric Company. (See Erben, Henry V., assignor.)
General Electric Company. (See Harris, Eugene E., assignor.)
General Electric Company. (See Hootz, Herbert, assignor.)
General Electric Company. (See Huntington, Sidney O., assignor.)
General Electric Company. (See Pulfrich, Hans, assignor.)
General Electric Company. (See Rosseau, Leon B., assignor.)
General Electric Company. (See Wiegand, K., and Göritz, assignors.)
General Motors Corporation. (See Caminez, H., and Gilman, assignors.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Glacy, Edward W., assignor.)
General Motors Corporation. (See Kettering, C. F., and Sittler, assignors.)
General Motors Corporation. (See Maker, D. L., and Fidler, assignors.)
General Motors Corporation. (See Murden, W. T., and Brouwer, assignors.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Motors Corporation. (See Paulus, Charles L., assignor.)
General Motors Corporation. (See Phillippi, D. M., and Wilson, assignors.)
General Motors Corporation. (See Reynolds, Harold A., assignor.)
General Motors Corporation. (See Sittler, Edwin C., assignor.)
General Steel Castings Corporation. (See Pflager, Harry M., assignor.)
Gent, Edgar W., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System of indicating distance. 2,098,287; Nov. 9.
Genung, George J. (See Parker, W. H., Seibert, and Genung.)
Georgiev, Alexander, Brooklyn, N. Y., assignor to Acrovox Corporation. Electrolytic condenser. 2,098,745; Nov. 9.
Gericke, Paul H., P. Herold, H. Kratz, and E. Vogt, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of aqueous liquids from phenols and other accompanying substances. 2,098,779; Nov. 9.
Gerling, Arthur A., New York, N. Y. Toy animal nose piece. 2,098,656; Nov. 9.
Gerrard Company, The. (See Rowe, Martin L., assignor.)
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Universal joint. 2,098,703; Nov. 9.
Giles, Norman S., Glen Iris, Australia. Extension table. 2,098,233; Nov. 9.
Gilkerson, Francis M., assignor of one-half to P. H. Gilkerson, St. Louis, Mo. Cushion shoe. 2,098,235; Nov. 9.
Gilkerson, Paul H. (See Gilkerson, Francis M., assignor.)
Gilman, Norman H. (See Caminez, H., and Gilman.)
Gilmore, Harry, Camden, N. J. Strengthening crank cases. 2,098,451; Nov. 9.
Gilmore, William L., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 2,098,338; Nov. 9.
Glison, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling apparatus. 2,098,822; Nov. 9.
Glacy, Edward W., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Coaster brake and mounting. 2,098,704; Nov. 9.
Gleason, James M., assignor to M. B. Sachs, Chicago, Ill. Switch. 2,098,644; Nov. 9.
Glidden Company, The. (See White, Bernard S., assignor.)
Glisson, William B., Trenton, Tenn. Device for overcoming stuttering. 2,098,867; Nov. 9.
Godard, John S. (See Read, B. K., Godard, and Hall.)
Goepfrich, Rudolph A., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,098,657; Nov. 9.
Golay, Marcel J. E., Oceanport, N. J. Television transmission system. 2,098,236; Nov. 9.
Gollnick, Leonard E., Vero Beach, Fla. Sump pump mounting. 2,098,621; Nov. 9.
Goltman, John T., Clinton, and J. W. Robbins, Davenport, assignors to Applicator Products Corporation, Clinton, Iowa. Syringe. 2,098,658; Nov. 9.
Goodhart, Robert H. (See Crewdson, Sarah M., assignor.)
Goodrich, Robert R., Camden, N. J., assignor to Radio Corporation of America. Protective system. 2,098,384; Nov. 9.
Gordon, Hiram, and A. C. Rogge, Columbus, Ohio, assignors to Perma Corporation, Chicago, Ill. Heel drilling fixture. 2,098,288; Nov. 9.

Göritz, Friedrich. (See Wiegand, K., and Göritz.)
Gorrie, Harvard H., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Control system. 2,098,914; Nov. 9.
Gould, Edwin J., Oakland, assignor to C. G. Harvey, Alameda County, Calif. Power drive for motor vehicle axles. 2,098,845; Nov. 9.
Government of United States of America, as represented by the Secretary of War. (See Garand, John C., assignor.)
Graham-Paige Motors Corporation. (See Kishline, Floyd F., assignor.)
Grant, John. (See Foster, W. L., and Santiago, assignors.)
Grant, John. (See Santiago, James J., assignor.)
Grant, John, Los Angeles, Calif. Apparatus for cleaning wells. 2,098,494; Nov. 9.
Gray, Alvin E., Flushing, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,098,339; Nov. 9.
Gredell, Otto N., Kansas City, assignor to Standard Steel Works, North Kansas City, Mo. Tank. 2,098,577; Nov. 9.
Greenberg, Harry D., New York, N. Y., assignor to Industrial Hammer Development Corporation. Mechanical mallet. 2,098,495; Nov. 9.
Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic synthesis of amines. 2,098,289; Nov. 9.
Grimmond, Robert, Voorburg, The Hague, Netherlands. Door handle and like fastening. 2,098,868; Nov. 9.
Gronvold, George B., Seattle, Wash. Gynecological calculating device. 2,098,622; Nov. 9.
Guirl, Paul R. (See Barnes, J. S., Guirl, and Johnson.)
Günther, Wolfgang, Berlin-Friedenau, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. Optical instrument. 2,098,917; Nov. 9.
Guzzetta, John W. (See Conticchio, Rocco, assignor.)
Haas, Ferdinand J. (See Bradley, H. L., and Haas.)
Hailey, James, Tulsa, Okla. Full circle boom crane. 2,098,237; Nov. 9.
Hall, Fred W., Nutley, and N. R. Wilson, Belleville, assignors, by mesne assignments, to The Stamford Rubber Supply Company, Stamford, Conn. Reclaiming method. 2,098,385; Nov. 9.
Hall Laboratories, Inc. (See Partridge, Everett P., assignor.)
Hall, Wilfred N. (See Read, B. K., Godard, and Hall.)
Halpine, Charles G., United States Navy. Bitt-chock. 2,098,238; Nov. 9.
Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 2,098,578; Nov. 9.
Hammond, John, Jr. (See Purington, Ellison S., assignor.)
Handler, Arthur C., and M. H. Wansky, Akron, Ohio, said Wansky assignor to said Handler. Display holder. 2,098,543; Nov. 9.
Handley, Joseph D., Liverpool, England. Motor vehicle hoist. 2,098,419; Nov. 9.
Hanny, Charles E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Enclosed switch. 2,098,579; Nov. 9.
Hansell, Clarence W., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,098,386; Nov. 9.
Hansson, Bror, Stockholm, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Arrangement in condensers. 2,098,746; Nov. 9.
Hard, Merrill W., Los Angeles, Calif. Theater chair. 2,098,623; Nov. 9.
Harding, William G., North Acton, London, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Angular motion indicator. 2,098,580; Nov. 9.
Harmon, Jesse, and F. M. Meigs, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial resins and making. 2,098,869; Nov. 9.
Harper, Philip S., Chicago, Ill. Gas burner. 2,098,659; Nov. 9.
Harris, Eugene E., Watervliet, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,098,803; Nov. 9.
Harrison, Ray F. (See Robinson, H. J., and Harrison.)
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,098,685; Nov. 9.
Hartford-Empire Company. (See Honiss, William T., assignor.)
Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)
Harvey, Cora G. (See Gould, Edwin J., assignor.)
Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Destructively distilling cashew nut shell liquid. 2,098,824; Nov. 9.
Hass, Henry B., and G. E. Hinds, assignors to Purdue Research Foundation, West Lafayette, Ind. Synthesis of cyclopropane. 2,098,239; Nov. 9.
Hathaway, Chester A., Davenport, Iowa. Rotatable information finder. 2,098,933; Nov. 9.
Haub, George R., Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass transfer mechanism. 2,098,624; Nov. 9.
Hawley, Jesse G., Painted Post, assignor to Hawley-Jones Corporation, Riverside, N. Y. Brake. 2,098,660; Nov. 9.
Hawley-Jones Corporation. (See Hawley, Jesse G., assignor.)
Hayes, Harvey C., Washington, D. C. Navigation of aircraft. 2,098,240; Nov. 9.
Hayes Industries, Inc. (See Cary, Beecher B., assignor.)
Hazel-Atlas Glass Company. (See Haub, George R., assignor.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,098,661; Nov. 9.
Heffelfinger, Paul E. (See Jung, O. H., and Heffelfinger.)
Hegenberger, Albert F., and M. Isaacson, Dayton, Ohio. Compass. 2,098,241; Nov. 9.
Heil Co., The. (See Verloop, Hendrik N. F., assignor.)
Heine, Adolf, Berlin-Zehlendorf, assignor to Klangfilm G. m. b. H., Berlin, Germany. Film drive mechanism. 2,098,387; Nov. 9.
Heins, Rudolf J. (See Krippner, P. G., Heins, and Bur.)
Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,098,780; Nov. 9.
Heltzel, John N., Warren, Ohio. Road joint machine. 2,098,870; Nov. 9.
Hemphill Company. (See Lawson, John and R. H., assignors.)
Henahan, Joseph P., Cleveland, Ohio. Oral airway dam. 2,098,340; Nov. 9.
Hendrickson, Adolph A., Oak Park, assignor to The Albert Dickinson Company, Chicago, Ill. Bacteria culture and production thereof. 2,098,918; Nov. 9.
Henning, Warren K., Plano, Ill. Socket. 2,098,747; Nov. 9.
Herold, Paul. (See Gericke, P. H., Herold, Kratz, and Vogt.)
Herstein, Karl M., assignor to Eagle Pencil Company, New York, N. Y. Lead pencil manufacture. 2,098,452; Nov. 9.
Heywood-Wakefield Company. (See McDonald, Sterling B., assignor.)
Hill, James R., Battle Creek, Mich., assignor to Ralston Purina Company, St. Louis, Mo. Manufacture of shredded grain product. 2,098,544; Nov. 9.
Hills, Ernest E., assignor of one-third to A. J. Ihrke, Oshkosh, Wis. Bed supporting structure for trailers or automobiles. 2,098,825; Nov. 9.
Hinde and Dauch Paper Company, The. (See Walther, Edwin A., assignor.)
Hinds, George E. (See Hass, H. B., and Hinds.)
Hinkle, James C., and F. E. Scheider, Los Angeles, Calif., said Scheider assignor to said Hinkle. Sucker rod impulse and impact dampener. 2,098,290; Nov. 9.
Hirsch, Samuel, New York, N. Y. X-ray apparatus. 2,098,900; Nov. 9.
Hoe, R., & Co. (See Krahmer, Richard A., assignor.)
Hokanson, Martin, assignor to Eldeo Inc., Duluth, Minn. Refrigerator. 2,098,724; Nov. 9.
Holdsworth, Willie, Seekonk, Mass. Gill-drawing frame. 2,098,781; Nov. 9.
Holm, Jenus F., Alhambra, Calif. Combination clamp and gauge. 2,098,686; Nov. 9.
Holmes, Charles I., assignor of one-fourth to R. Sebring and one-fourth to E. W. Soper, Chino, Calif. Rural mail box. 2,098,242; Nov. 9.
Hommel, Ernest M. (See McQuiston, F. B., and Hommel.)
Hommel, O., Company, The. (See McQuiston, F. B., and Hommel, assignors.)
Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Controlling the temperature and condition of glass in a forehearth. 2,098,625; Nov. 9.
Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe beating machine. 2,098,243; Nov. 9.
Hood Rubber Company. (See Olson, Frederick F., assignor.)
Hookless Fastener Company. (See Gilmore, William L., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hootz, Herbert, Berlin, Germany, assignor to General Electric Company. Control system. 2,098,804; Nov. 9.
Hopfensberger, Georg, Heidenheim-on-the-Brenz, Germany. Rotating machine. 2,098,244; Nov. 9.
Hopff, Heinrich, and A. Weickmann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,098,782; Nov. 9.
Hopkins, Harris F., Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound translating apparatus. 2,098,291; Nov. 9.
Hopper, Basil, and K. Kingman, Palos Verdes Estates, assignors to Union Oil Company of California, Los Angeles, Calif. Filtering wax from oils. 2,098,545; Nov. 9.
Hornung, Ralph, Detroit, Mich. Door holder. 2,098,783; Nov. 9.
Hoskins, William, Jr., La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Copying pad and preparing same. 2,098,662; Nov. 9.
Hough, Frederic A., Pasadena, Calif. Odorizing apparatus and method for gas lines. 2,098,626; Nov. 9.

Houseman, George A., Shreveport, La. Awning. 2,098,705; Nov. 9.
Howell Company, The. (See Ericson, Philip E. G., assignor.)
Hruska, Leo J., Merchantville, N. J., assignor to Radio Corporation of America. Deflectable antenna. 2,098,388; Nov. 9.
Huffman, Louis. (See Lawson, A. R., and Huffman.)
Hummel-Ross Fibre Corporation. (See Sale, John W., assignor.)
Huntington, Sidney O., Schenectady, N. Y., assignor to General Electric Company. Safety device. 2,098,805; Nov. 9.
Hurn, James E., Saugerties, N. Y., assignor to The De Luxe Products Corporation, La Porte, Ind. Oil filter. 2,098,725; Nov. 9.
Huss, Richard. (See Fischer, E., and Huss.)
Hutchison, J Howard, Enfield, Pa. Adjustable pipe sleeve with floor and ceiling plate. 2,098,389; Nov. 9.
Hygienic Tube & Container Company. (See Lermer, Herman B.)
Hygrade Sylvania Corporation. (See Zabel, Rolland M., assignor.)
Iams, Harley, East Orange, N. J., assignor to Radio Corporation of America. Television transmitting apparatus. 2,098,390; Nov. 9.
I. G. Farbenindustrie Aktiengesellschaft. (See Gericke, P. H., Herold, Kratz, and Vogt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Ufer, assignors.)
Ihrke, Albert J. (See Hills, Ernest E., assignor.)
Imperial Chemical Industries Limited. (See Coffey, S., Lapworth, and Sexton, assignors.)
Industrial Hammer Development Corporation. (See Greenberg, Harry D., assignor.)
Ingalls, Gerry G., Newport, Minn. Brake operating mechanism. 2,098,546; Nov. 9.
International Business Machines Corporation. (See Gray, Alvin E., assignor.)
International Business Machines Corporation. (See Nichols, Harry J., assignor.)
International Business Machines Corporation. (See Page, Ralph E., assignor.)
International Business Machines Corporation. (See Reynolds, Lynus C., assignor.)
International Business Machines Corporation. (See Thompson, Russell G., assignor.)
International Mutoscope Reel Co. (See Traver, Harry G., assignor.)
International Patents Development Company. (See Jefferies, Frederick L., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Irvin, Ward M., Battle Creek, Mich. Gasoline saver. 2,098,391; Nov. 9.
Isaacson, Max. (See Hegenberger, A. J., and Isaacson.)
Jackson, Edward B., Downers Grove, assignor to Stromberg Electric Company, Chicago, Ill. Time controlled system. 2,098,547; Nov. 9.
Jackson, Francis E., deceased, by M. E. Jackson, administratrix, Los Angeles, Calif. Holder for cable rings. 2,098,420; Nov. 9.
Jackson, Mildred E., administratrix. (See Jackson, Francis E.)
Jackson, Thomas G., Deptford, London, assignor to Molins Machine Company, Limited, London, England. Wrapping machine. 2,098,245; Nov. 9.
Jacobson, James H., Chicago, Ill. Expansion joint. 2,098,292; Nov. 9.
Janes, Leslie S., J. G. Raben, and J. Nielsen, assignors to Sears, Roebuck and Co., Chicago, Ill. Merchandise display table. 2,098,453; Nov. 9.
Jarrier, René, Saint-Quentin, France, assignor to B. Arkell, New York, N. Y. Automatic bag-filling and weighing machine. 2,098,246; Nov. 9.
Jarrier, René, Saint-Quentin, France, assignor to B. Arkell, New York, N. Y. Automatic bag-filling and weighing machine. 2,098,247; Nov. 9.
Jeanis, Eugene, Beaumont, Tex. Aerial shell. 2,098,627; Nov. 9.
Jefferies, Frederick L., La Grange, Ill., assignor to International Patents Development Company, Wilmington, Del. Dustless grits, and making same. 2,098,293; Nov. 9.
Jennings, Alfred J., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture. 2,098,748; Nov. 9.
Johanson, Karl G., West Concord, Mass. Folding table. 2,098,826; Nov. 9.
Johnson, Arthur A., Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 2,098,496; Nov. 9.
Johnson, Austin C., and T. M. Wroble, Chicago, Ill. Watchman's time recorder. 2,098,497; Nov. 9.
Johnson, Ben F., Cambridge City, assignor to National Metal Products Co. Inc., Connersville, Ind. Handle mechanism. 2,098,421; Nov. 9.
Johnson, George C. (See Barnes, J. S., Guirl, and Johnson.)
Johnson, Matthey & Company. (See Powell, Alan R., assignor.)
Johnston, William J., assignor to A. S. Lashbrook, London, Ontario, Canada. Gauge for measuring the alignment of vehicle wheels. 2,098,749; Nov. 9.
Jones, Chester D., Carnegie, assignor to The Pittsburg Water Heater Corporation, Pittsburgh, Pa. Fluid heater. 2,098,498; Nov. 9.
Jones, David J., Elmhurst, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. System of control for air circulating means. 2,098,806; Nov. 9.
Jones, E. D., & Sons Company. (See Dorman, Alfred, assignor.)
Jones, James P., East St. Louis, Ill. Automobile door lock operating means. 2,098,871; Nov. 9.
Jones, Samuel J., New York, N. Y. Coupling. 2,098,581; Nov. 9.
Jonker, Johan L. H., and K. M. Van Gessel, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrical discharge apparatus. 2,098,807; Nov. 9.
Juhasz, Andrew B., Norwalk, Conn. Liquid pasteurizing apparatus. 2,098,663; Nov. 9.
Jung, Oscar H., and P. E. Heffelfinger, assignors to Trico Fuse Mfg. Co., Milwaukee, Wis. Electrical fuse link. 2,098,664; Nov. 9.
Kaden, Kurt. (See Küppenbender, H., Winzenburg, Feigner, Fischer, and Kaden.)
Kälber, Albert, Pforzheim, Germany. Flashlight powder. 2,098,341; Nov. 9.
Kallus, Frederick, Hoboken, N. J. Treating lamps. 2,098,582; Nov. 9.
Kammerer, Ernst, Berlin-Tempelhof, assignor to Klangfilm G. m. b. H., Berlin, Germany. Sound transmitting system. 2,098,392; Nov. 9.
Karns, George M., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Artificial thread and producing same. 2,098,628; Nov. 9.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,098,919; Nov. 9.
Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,098,920; Nov. 9.
Keefe, Lincoln M., Springfield, Mass. Master control unit. 2,098,248; Nov. 9.
Keen, Alexis W., Passaic, N. J., and F. D. Chittenden, Providence, R. I., assignors to United States Rubber Products, Inc., New York, N. Y. Constant tension control for elastic filaments. 2,098,422; Nov. 9.
Keillor, Joseph D., Aylmer, Ontario, Canada. Deodorizer. 2,098,294; Nov. 9.
Kelley, Isaac D., Jr., St. Louis, Mo. Compressed air gun. 2,098,454; Nov. 9.
Kelsey-Hayes Wheel Company, The. (See Ash, Charles S., assignor.)
Kennedy, Chester B., Junction City, Kans. Coupling device. 2,098,423; Nov. 9.
Kenyon, Elton R., Geneseo, Kans. Cultivator. 2,098,726; Nov. 9.
Keppler, Helmut. (See Orthner, L., and Keppler.)
Kettering, Charles F., and E. C. Sittler, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Method of and apparatus for creating an artificial fever. 2,098,295; Nov. 9.
Kick, Louis J., Union City, N. J. Hose jack. 2,098,548; Nov. 9.
Kingman, Kenneth. (See Hopper, B., and Kingman.)
Kinsfather, George C., Inglewood, Calif. Centering guide for flush valves. 2,098,687; Nov. 9.
Kishline, Floyd F., assignor to Graham-Paige Motors Corporation, Detroit, Mich. Supercharger. 2,098,499; Nov. 9.
Kistner, Herman H., assignor to Kistner Lock and Appliance Company, Baltimore, Md. Universal bolt lock. 2,098,249; Nov. 9.
Kistner Lock and Appliance Company. (See Kistner, Herman H., assignor.)
Klangfilm G. m. b. H. (See Heine, Adolf, assignor.)
Klangfilm G. m. b. H. (See Kammerer, Ernst, assignor.)
Kleinert, I. B., Rubber Company. (See Fine, Harry A., assignor.)
Kleinsmith, John J., Cleveland, Ohio. Valve. 2,098,583; Nov. 9.
Klesrath, Victor W., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,098,665; Nov. 9.
Klotz, Ernst, and E. Zepler, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupling arrangement. 2,098,393; Nov. 9.
Knight, James S., Chicago, Ill. Device for handling frozen material. 2,098,250; Nov. 9.
Knowlton, Archer E., Short Beach, Conn. Production of gas and combustion thereof. 2,098,629; Nov. 9.
Knutzen, Max T., Toronto, Ontario, Canada, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Hoist brake. 2,098,342; Nov. 9.
Koenigkramer, Frank and F., Cincinnati, Ohio. Treatment chair. 2,098,500; Nov. 9.
Koenigkramer, Frederick. (See Koenigkramer, Frank and F.)
Kolimbat, Peter, Portland, Oreg. Fuel equalizing manifold. 2,098,424; Nov. 9.
Krahmer, Richard A., Yonkers, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for rotary intaglio printing machines. 2,098,750; Nov. 9.
Kratz, Helmut. (See Gericke, P. H., Herold, Kratz, and Vogt.)

Krause, Herbert J., Huntington, and P. R. Simmons, Marion, assignors to Simmons Paper Products, Inc., Warsaw, Ind. Baking utensil. 2,098,784; Nov. 9.

Krippner, Philip G., R. J. Heins, and A. G. Bur, Green Bay, Wis. Electrically controlled counting mechanism. 2,098,872; Nov. 9.

Kroenig, Walter. (See Pier, M., Simon, and Koenig.)

Küppenbender, Heinz, W. Winzenburg, R. Felgner, O. Fischer, and K. Kaden, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Target practicing device. 2,098,873; Nov. 9.

La Brie, Ludger E., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,098,666; Nov. 9.

La Grasse, Benjamin A., Brooklyn, N. Y. Planetarium. 2,098,298; Nov. 9.

Lahti, Aimo J., Jyvaskyla, Finland. Lock mechanism for automatic guns. 2,098,727; Nov. 9.

Landenberger, Henry W., assignor to American Engineering Company, Philadelphia, Pa. Control mechanism for pumps. 2,098,425; Nov. 9.

Lane, Herbert G., assignor to Oxford Filing Supply Co., New York, N. Y. Recipe file. 2,098,394; Nov. 9.

Lanyon, Robert M., Los Angeles, Calif. Tire mold. 2,098,688; Nov. 9.

Lapworth, Morvan. (See Coffey, S. Lapworth, and Sexton.)

Lashbrook, Albert S. (See Johnston, William J., assignor.)

Lasier, David R., assignor to Norton-Lasier Company, Chicago, Ill. Door closing and checking device. 2,098,501; Nov. 9.

Lattner, Emert J., Cedar Rapids, Iowa. Fluid fuel burner. 2,098,455; Nov. 9.

Law, James A., Kensington, Victoria, Australia. Process of and apparatus for molding hollow rubber articles. 2,098,395; Nov. 9.

Lawson, Albert R., Hamilton, and L. Huffman, Toronto, assignors to Appleford Paper Products Limited, Hamilton, Ontario, Canada. Manifolding form. 2,098,706; Nov. 9.

Lawson, John and R. H., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Mechanism and process for effecting reverse plating by needle deflection. 2,098,297; Nov. 9.

Lawson, Robert H. (See Lawson, John and R. H.)

Lawton, Lon, Stevenson, Wash. Skeleton pole. 2,098,343; Nov. 9.

Leader, Hubert S., and H. P. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Seat back. 2,098,456; Nov. 9.

Le Boeuf, Hartford, Conn. Dispenser. 2,098,344; Nov. 9.

Leeds and Northrup Company. (See Doyle, Edgar D., assignor.)

Leeds & Northrup Company. (See Stein, Irving M., assignor.)

Lehner, Robert M., Lynn, Mass. Inner-sole. 2,098,502; Nov. 9.

Leighton, John W., Port Huron, Mich. Individual suspension. 2,098,874; Nov. 9.

Lentz, Lawrence E., assignor to Underwood Elliott Fisher Company, New York, N. Y. Control card. 2,098,345; Nov. 9.

Lerner, Herman B., Newark, N. J., assignor, by mesne assignments, to J. Lerner, H. B. Lerner, and I. S. Lerner, copartners, doing business as Hygienic Tube & Container Company. Container. 2,098,751; Nov. 9.

Lerner, Irving S., et al. (See Lerner, Herman B., assignor.)

Lerner, Joseph, et al. (See Lerner, Herman B., assignor.)

Levin, John F., assignor to Excel Curtain Company, Elkhart, Ind. Curtain fixture. 2,098,827; Nov. 9.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,098,251; Nov. 9.

Leveque, Bernard T., Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,098,298; Nov. 9.

Lever Brothers Company. (See Mattill, H. A., and Olcott, assignors.)

Lewis, Ervin H., Boston, assignor to Cambosco Scientific Company, Waverley, Mass. Educational apparatus. 2,098,646; Nov. 9.

Lewis, Leo L., Plainfield, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Air conditioning method and apparatus for passenger cars. 2,098,396; Nov. 9.

Liebhold, Francisco. (See Deutsch, Fritz A., assignor.)

Lincoln, Benjamin A., assignor to Universal Dental Company, Philadelphia, Pa. Interchangeable teeth. 2,098,584; Nov. 9.

Lindsley, Edward A., assignor to National Electric Screen Co., Chicago, Ill. Electrocuting trap. 2,098,647; Nov. 9.

Line Material Company. (See Schultz, William O., assignor.)

Link-Belt Company. (See Morehead, George L., assignor.)

Link-Belt Company. (See Sayers, W. W., and Watson, assignors.)

Livesey, Harold. (See Riley, R. H. J., Ashton, and Livesey.)

Ljungkull, Rolf E., assignor to American Hoist and Derrick Company, St. Paul, Minn. Crane. 2,098,299; Nov. 9.

Loftus, Fred H., Mount Lebanon, Pa. Reversing furnace control. 2,098,585; Nov. 9.

Loomis, Allen, assignor to C. G. Conn, Ltd., Elkhart, Ind. Musical instrument. 2,098,457; Nov. 9.

Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)

Lubrication Corporation, The. (See Cunneen, James M., assignor.)

Lubrication Corporation, The. (See Dodge, Adiel Y., assignor.)

Lubrication Corporation, The. (See Dodge, A. Y., and Tear, assignors.)

Lubrication Corporation, The. (See Watson, John A., assignor.)

Ludwick, Arthur H., Danville, Ill. Display rack. 2,098,828; Nov. 9.

Luke, George E., Syracuse, N. Y. Emergency alarm and motor starting system. 2,098,549; Nov. 9.

Lund, Arthur D., Minneapolis, Minn. Sizing machine for battery grid plates. 2,098,808; Nov. 9.

Lund, James K., assignor to The Dole Valve Company, Chicago, Ill. Thermostat controlled valve. 2,098,252; Nov. 9.

Luthy, Fredrick A., Jackson, Mich. Piston ring. 2,098,901; Nov. 9.

Luthy, Frederick A., Jackson, Mich. Piston ring. 2,098,902; Nov. 9.

Lyons, Daniel J., et al. (See Exline, M. P., and Beale, assignors.)

MacDonald, Robert D., Grosse Pointe Park, Mich. Shoe heel construction. 2,098,346; Nov. 9.

MacGregor, Roderick M., and D. G. Shipp, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electric control and indication of point operating mechanisms for railways and the like. 2,098,707; Nov. 9.

Machovec, Fred J., Monterey, Calif. Trailer brake apparatus. 2,098,458; Nov. 9.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channel cementing machine. 2,098,253; Nov. 9.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nozzle for shoe channel cementing machines. 2,098,347; Nov. 9.

Maker, Dewey L., and H. E. Fidler, assignors to General Motors Corporation, Detroit, Mich. Gear shift mechanism. 2,098,708; Nov. 9.

Mallory, Marion, Detroit, Mich. Internal combustion engine. 2,098,875; Nov. 9.

Malm, Carl J. (See Clarke, H. T., and Malm.)

Mandaville, Gurney L., Fort Pierce, Fla. Spectacle joint. 2,098,921; Nov. 9.

Mann, William B. W., Towson, Md., assignor of one-fourth to R. E. Barry and one-fourth to S. G. Nottingham, Washington, D. C. Dispensing receptacle. 2,098,550; Nov. 9.

Marble, Earl R., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Reverberatory furnace. 2,098,586; Nov. 9.

Marbon Corporation. (See Winkelmann, H. A., and Calvert, assignors.)

Marcus, Clifford H. (See Coursey, P. R., and Marcus.)

Markowitz, Jesse, New York, N. Y. Automatic operation of plurality of radio receivers. 2,098,587; Nov. 9.

Marshall, William R., Upper Darby, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Incorporating metallic driers in drying oil alkydnitrocellulose blends. 2,098,503; Nov. 9.

Mason, Charles F. and H. C. L., Caversham, Reading, England. Handle adjustment for brooms and similar implements. 2,098,348; Nov. 9.

Mason, Hugh C. L. (See Mason, C. F.)

Masson, Emile, St. Maurice, France. Apparatus for automatically recording unusual or accidental occurrences. 2,098,689; Nov. 9.

Mathewson, Wilfred B., North Weymouth, assignor to United Mattress Machinery Company, Quincy, Mass. Tufting machine. 2,098,785; Nov. 9.

Mathewson, Wilfred B., North Weymouth, assignor to United Mattress Machinery Company, Inc., Quincy, Mass. Tufting button. 2,098,786; Nov. 9.

Mathieson Alkali Works, Inc., The. (See Munson, Horace D., assignor.)

Mattill, Henry A., and H. S. Olcott, Iowa City, Iowa, assignors to Lever Brothers Company. Method and material for retarding oxidation and rancidity in food substances. 2,098,254; Nov. 9.

Mattson, August, J. I. Smith, and E. Frans, Algona, Wash. Motor driven razor. 2,098,504; Nov. 9.

May, David T., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric welding. 2,098,300; Nov. 9.

McAdoo & Allen Welting Company. (See Brown, William, assignor.)

McCabe, Ira E., Chicago, Ill. Electrical control. 2,098,397; Nov. 9.

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,098,829; Nov. 9.

McCaskey Register Company, The. (See Clark, Harold W., assignor.)

McCullough, Neel M., and C. C. Cook, assignors to Pierce Governor Company, Anderson, Ind. Governor. 2,098,505; Nov. 9.

McDonald, Sterling B., Chicago, Ill., assignor to Heywood-Wakefield Company, Gardner, Mass. Tray for recliner-back chairs. 2,098,426; Nov. 9.

McElgin, John, assignor to John J. Nesbitt, Inc., Philadelphia, Pa. Apparatus for the heating of air. 2,098,830; Nov. 9.

McGaha, William P., assignor of one-half to J. W. Sanders, Greenville, S. C. Self-aligning sand roller bearing. 2,098,630; Nov. 9.

McGowan, Kenneth J. J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,098,831; Nov. 9.

McKnight, Edgar W., Bayonne, N. J., assignor to General Cable Corporation, New York, N. Y. Apparatus for making cable. 2,098,922; Nov. 9.

McLaughlin, George E., Salem, and W. E. Broughton, Peabody, Mass., assignors to The Turner Tanning Machinery Company, Portland, Maine. Buffing machine. 2,098,506; Nov. 9.

"McMahons" Limited. (See Dingle, Howard, assignor.)

McNeish, Arthur W., Detroit, Mich. Fabricating an automobile heater. 2,098,787; Nov. 9.

McPhee, Seth A., Denver, Colo. Key cutting machine. 2,098,728; Nov. 9.

McQuiston, Frederick B., Crafton, and E. M. Hommel, Pittsburgh, Pa., assignors to The O. Hommel Company. Stenciling apparatus. 2,098,588; Nov. 9.

McWhirter, John S., Southport, Conn. Car truck. 2,098,459; Nov. 9.

McWhirter, John S., Southport, Conn. Vehicle. 2,098,460; Nov. 9.

Megathlin, Ralph S., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching heels to shoes. 2,098,349; Nov. 9.

Meginniss, Francis R., Albany, N. Y. Flash lamp. 2,098,507; Nov. 9.

Meigs, Frederick M. (See Charch, W. H., Brubaker, and Meigs.)

Meigs, Frederick M. (See Harmon, J., and Meigs.)

Mendenhall, Hallam E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Glow discharge device. 2,098,301; Nov. 9.

Menschner, Johannes, Rosswein, Germany. Web folding method and apparatus. 2,098,427; Nov. 9.

Mercier, Jean, Neuilly-sur-Seine, France. Shock absorber. 2,098,398; Nov. 9.

Merrick, Frank W., Boston, assignor to American Stay Company, East Boston, Mass. Loom picker. 2,098,589; Nov. 9.

Mertz, Edwin T., assignor to Armour and Company, Chicago, Ill. Preparing aminoacetic acid. 2,098,923; Nov. 9.

Metzger, Alfred R., White Bear Lake, Minn. Container. 2,098,690; Nov. 9.

Micallef, Arthur, Cranston, R. I. Catch for use in detachably securing the ends of bracelets, chains, and other articles together. 2,098,461; Nov. 9.

Milk Processes, Inc. (See Sharpless, Caspar P., assignor.)

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for generating throated gear elements. 2,098,428; Nov. 9.

Miller, Fred M., Bala-Cynwyd, Pa. Drip point grid tile. 2,098,667; Nov. 9.

Miller, Richard B., Brooklyn, N. Y., assignor to Bendix Products Corporation, South Bend, Ind. Vehicle wheel. 2,098,668; Nov. 9.

Miller, Roy G., Langhorne, assignor to Fleetwings, Inc., Bristol, Pa. Structural section for aircraft. 2,098,752; Nov. 9.

Miller, Samuel P., Chicago, Ill. Self regulated heat transfer system. 2,098,462; Nov. 9.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Ball control mechanism for pinball games. 2,098,648; Nov. 9.

Mills Novelty Company. (See Mills, Bert E., assignor.)

Minneapolis-Honeywell Regulator Company. (See Jones, David J., assignor.)

Mishcon, Samuel. See Aguinek, Harry, assignor.)

Mitchell, Doren, Bound Brook, N. J., assignor to American Telephone and Telegraph Company. Control of signaling circuits. 2,098,350; Nov. 9.

Moffitt, Walter S., Warwick, R. I. Pipe union. 2,098,669; Nov. 9.

Molins Machine Company. (See Jackson, Thomas G., assignor.)

Moloney, Raymond T. (See Nicolaus, F. G., and Breitenstein, assignors.)

Moloney, Raymond T., Chicago, Ill. Ticket severing means. 2,098,351; Nov. 9.

Moore, Edmund L., Springfield, Mass. Cardboard box. 2,098,508; Nov. 9.

Morehead, George L., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Sludge collector. 2,098,463; Nov. 9.

Morehouse, Silas A. (See Burgess, Henry A., assignor.)

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Handlebar grip. 2,098,509; Nov. 9.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wheel and chain guard for bicycles. 2,098,510; Nov. 9.

Morgan, Russell, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather substitute. 2,098,788; Nov. 9.

Morgan, Russell, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Leather substitute. 2,098,789; Nov. 9.

Morris, Joseph C., Chicago, Ill. Combination clock and calendar. 2,098,302; Nov. 9.

Morrison, Willard L., Lake Forrest, Ill. Air deflecting device. 2,098,255; Nov. 9.

Morron, John D., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Rubber compound. 2,098,429; Nov. 9.

Moses, Charles, New York, N. Y. Knitting fabric. 2,098,303; Nov. 9.

Moshier, Edson G. (See Gabrielson, C., and Moshier.)

Mosler Safe Company, The. (See Robinson, H. J., and Harrison, assignors.)

Mulch, Balthazar H. T., Westwood, N. J. Apparatus for producing individual masses of ice. 2,098,753; Nov. 9.

Müller, Eduard, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany. Guns having means for horizon-adjustment. 2,098,352; Nov. 9.

Munson, Horace D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Chemical manufacture. 2,098,399; Nov. 9.

Murden, William T., and R. D. Brouwer, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,098,709; Nov. 9.

Murphy, Harold J., et al. (See Simning, Roy B., assignor.)

Musser, Clarence W., Kansas City, Mo. Racing amusement device. 2,098,809; Nov. 9.

Myers, Charles L., Overbrook, assignor to American Engineering Company, Philadelphia, Pa. Furnace wall. 2,098,430; Nov. 9.

Myers, Oren T., De Soto, and A. Emily, Richwoods, Mo. Oven. 2,098,729; Nov. 9.

Myers, Oscar. (See Carpenter, W. W., and Myers.)

Nakich, Louis G., Kansas City, Mo. Swivel connecter. 2,098,304; Nov. 9.

Naupa, Sulo M., Detroit, Mich., assignor to The Worth Company. Hoisting device. 2,098,511; Nov. 9.

Nash, John M., Lakeland, Fla. Hydraulic power plant. 2,098,876; Nov. 9.

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

National Aniline and Chemical Company. (See Thornton, Irving T., assignor.)

National Battery Company. (See Young, John W., assignor.)

National Electric Screen Co. (See Lindsley, Edward A., assignor.)

National Lead Company. (See Dahlstrom, R., and Ryan, assignors.)

National Metal Products Co. Inc. (See Johnson, Ben F., assignor.)

National Sugar Refining Company of New Jersey, The. (See Whymper, Robert, assignor.)

Naturin Gesellschaft mit beschränkter Haftung. (See Becker, Oskar W., assignor.)

Nawiasky, Paul, A. Ehrhardt, and K. Saftien, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 2,098,590; Nov. 9.

Neff, Paul W., Cincinnati, Ohio. Transmission. 2,098,691; Nov. 9.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,098,512; Nov. 9.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,098,513; Nov. 9.

Nesbitt, John J., Inc. (See McElgin, John, assignor.)

Neuman, Jacob J., Jamaica, N. Y. Automatic control. 2,098,591; Nov. 9.

Neville Company, The. (See Rivkin, Joseph, assignor.)

Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus 2,098,924; Nov. 9.

Newton, Robert S., Watertown, assignor to The New York Air Brake Company, New York, N. Y. Making piston rings. 2,098,790; Nov. 9.

New York Air Brake Company, The. (See Newton, Robert S., assignor.)

New York Air Brake Company, The. (See Safford, Lewis A., assignor.)

Nichols, Harry J., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,098,305; Nov. 9.

Nickowitz, Max N., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Auto top material. 2,098,754; Nov. 9.

Nicolaus, Frank G., and C. J. Breitenstein, assignors to R. T. Moloney, Chicago, Ill. Selector. 2,098,353; Nov. 9.

Nielsen, John. (See Janes, L. S., Raben, and Nielsen.)

Niles-Bement-Pond Company. (See Rusnak, John M., assignor.)

Nord, Walter G., Amherst, Ohio, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Coupling for lubricators. 2,098,514; Nov. 9.
Nordberg Manufacturing Company. (See Knutzen, Max T., assignor.)
Nordmark, Henry P. (See Leader, H. S., and Nordmark.)
Norton Company. (See Stubbs, Everard, assignor.)
Norton-Lasier Company. (See Lasier, David R., assignor.)
Nottingham, Summerfield G., et al. (See Mann, William B. W., assignor.)
Oehmichen, Etienne E., Valentigney, France. Stabilizing device for aerial navigation machines. 2,098,877; Nov. 9.
Olcott, Harold S. (See Mattill, H. A., and Olcott.)
Olson, Frederick F., Belmont, assignor to Hood Rubber Company, Inc., Watertown, Mass. Making footwear. 2,098,354; Nov. 9.
Orthner, Ludwig, Leverkusen, I. G. Werk, and H. Keppler, Leverkusen-Schlebusch, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Reaction product of an ester-like wax and a base. 2,098,551; Nov. 9.
Osman, Ralph T., Milwaukee, Wis. Dump body. 2,098,670; Nov. 9.
Otis Elevator Company. (See Pinto, Anthony, assignor.)
Owens-Illinois Glass Company. (See Soubier, Leonard D., assignor.)
Owens-Illinois Glass Company. (See Tassick, John A., assignor.)
Oxford Filing Supply Co. (See Lane, Herbert G., assignor.)
Pace Manufacturing Company. (See Williams, Homer S., assignor.)
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)
Page, Ralph E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,098,355; Nov. 9.
Paget, Win W., Michigan City, Ind., assignor to Sullivan Machinery Company. Heat exchange device. 2,098,671; Nov. 9.
Palmer, Robert T. (See Anderson, S. M., and Palmer.)
Paper Service Company, The. (See Rowe, William W., assignor.)
Pardieck, Frank J., Indianapolis, Ind. Valve handle. 2,098,515; Nov. 9.
Parissi, Anthony J., Cohoes, N. Y. Electric lighting fixture. 2,098,631; Nov. 9.
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parker, Arthur L., Cleveland, Ohio. Preventing contact seizure of metal parts. 2,098,256; Nov. 9.
Parker, Walter H., Pittsburgh, N. J. Seibert, Wilkinsburg, and G. J. Genung, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Register setback crank. 2,098,730; Nov. 9.
Parks, Lee N., Caro, Mich. Dust bag for vacuum cleaners. 2,098,632; Nov. 9.
Partridge, Everett P., Brookside Farms, Bethel Township, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Water treating composition. 2,098,431; Nov. 9.
Paulus, Charles L., assignor to General Motors Corporation, Dayton, Ohio. Transmission belt and joint therefor. 2,098,755; Nov. 9.
Paulus, Max G. (See Brewster, O. C., Paulus, and Thompson.)
Payne, William H., La Grange, Ill. Automatic electric arc furnace electrode control. 2,098,672; Nov. 9.
Payson, Arthur H., assignor to The American Thermos Bottle Company, Norwich, Conn. Saltcellar. 2,098,832; Nov. 9.
Penn Metal Company. (See Spinosa, Arthur V., assignor.)
Perazzoli, Henry J., assignor to Railway Trackwork Company, Philadelphia, Pa. Rail lubricator. 2,098,791; Nov. 9.
Perkins, Granville A., and W. J. Toussaint, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of dimethylfurane. 2,098,592; Nov. 9.
Perma Corporation. (See Gordon, H., and Rogge, assignors.)
Permutit Company, The. (See Staegemann, Eugene, assignor.)
Peter, Leslie H., London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Track circuit signaling system for railways and the like. 2,098,833; Nov. 9.
Peters, Charles C., State College, Pa. Variable spacing mechanism for typewriting machines. 2,098,878; Nov. 9.
Petersen, Martin J., Canyon, Minn. Agricultural implement. 2,098,552; Nov. 9.
Peterson, Henry J., Webster City, Iowa. Clothespin or like article. 2,098,834; Nov. 9.
Peterson, Paul D., Newark, Del., assignor to Freeport Sulphur Company, New York, N. Y. Fungicidal and insecticidal compositions. 2,098,257; Nov. 9.
Petresen, Ovid S., Nashville, Tenn., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for the production of artificial thread. 2,098,633; Nov. 9.
Petroleum Processes Corporation, The. (See Tears, Claude F., assignor.)
Pfefferkorn, Frederick F., and C. A. Stevens, Carrollton, Ohio, assignors to The Carrollton Metal Products Company. Combination food container. 2,098,356; Nov. 9.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway car construction. 2,098,516; Nov. 9.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,098,517; Nov. 9.
Phillipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,098,731; Nov. 9.
Phillippi, Dale M., and J. E. Wilson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Making colloidal lead. 2,098,710; Nov. 9.
Pickup, George E., assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio. Kitchen range. 2,098,464; Nov. 9.
Pieper, Alphonse F., et al. (See Saffir, Jacob A., assignor.)
Pieper, Oscar H., et al. (See Saffir, Jacob A., assignor.)
Pier, Mathias, Heidelberg, and W. Simon and W. Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Hydrogenating distillable carbonaceous materials. 2,098,400; Nov. 9.
Pierce Governor Company. (See McCullough, N. M., and Cook, assignors.)
Pierce, Selda K., Brookline, Mass. Divided skirt. 2,098,810; Nov. 9.
Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Control system for elevators. 2,098,792; Nov. 9.
Pinto, Anthony, New Rochelle, assignor to Otis Elevator Company, New York, N. Y. Alternating current motor control. 2,098,793; Nov. 9.
Piroumoff, George S., New York, N. Y. Delivery vehicle chassis. 2,098,357; Nov. 9.
Pittman, Ralph R., and C. H. Walsh, Pine Bluff, Ark. High voltage switching device. 2,098,692; Nov. 9.
Pittsburg Water Heater Corporation, The. (See Jones, Chester D., assignor.)
Pittsburgh Equitable Meter Company. (See Parker, W. H., Seibert, and Genung, assignors.)
Pivoto, Felix L., Liberty, Tex. Wire line swivel. 2,098,518; Nov. 9.
Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Directive wireless system. 2,098,756; Nov. 9.
Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Electric circuit. 2,098,757; Nov. 9.
Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)
Polillo, Joseph, Ridgefield, Wash. Combination safety razor and sharpener. 2,098,465; Nov. 9.
Pollock, James C., Lansdale, Pa. Surgical basin. 2,098,673; Nov. 9.
Porter, Joseph S., New Haven, assignor to D. & H. Scovil, Incorporated, Higganum, Conn. Apparatus for applying abrasive to polishing wheels, belts, or the like. 2,098,306; Nov. 9.
Powell, Alan R., London, assignor to Johnson, Matthey & Company, Limited, Hatton Garden, London County, England. Alloy for dental plates. 2,098,379; Nov. 9.
Prather, Thomas F., Wasco, Calif. Dental apparatus. 2,098,732; Nov. 9.
Prescott, Charles W. W., Pymble, Australia. Automatic railroad signaling and control system. 2,098,401; Nov. 9.
Price, Earl R. (See Price, Harold W., and E. R.)
Price, Harold W. and E. R., assignors to Bendix Aviation Corporation, South Bend, Ind. Clutch control mechanism. 2,098,674; Nov. 9.
Procunier, Harry G., assignor to Procunier Safety Chuck Company, Chicago, Ill. Tool-holding chuck and collet therefor. 2,098,675; Nov. 9.
Procunier Safety Chuck Company. (See Procunier, Harry G., assignor.)
Pulfrich, Hans, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Composite body. 2,098,811; Nov. 9.
Pulfrich, Hans, Berlin-Wilmersdorf, Germany, assignor to General Electric Company. Ceramic material. 2,098,812; Nov. 9.
Purdue Research Foundation. (See Hass, H. B., and Hinds, assignors.)
Purington, Ellison S., Gloucester, Mass., assignor to J. H. Hammond, Jr. Single side band transmission. 2,098,307; Nov. 9.
Pym, Arthur F., Swampscott, Mass., assignor to United States Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,098,358; Nov. 9.
Quinio, Louis, Tarentum, Pa. Hair waving appliance. 2,098,593; Nov. 9.
Raben, John G. (See Janes, L. S., Raben, and Nielsen.)
Rabinof, Abraham M., New Rochelle, N. Y. Loose-leaf device. 2,098,794; Nov. 9.
Radio Corporation of America. (See Batsel, Cecil N., assignor.)
Radio Corporation of America. (See Bedford, Alda V., assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Brown, George H., assignor.)
Radio Corporation of America. (See Dowsett, H. M., and Walker, assignors.)

Radio Corporation of America. (See Goodrich, Robert R., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hruska, Leo J., assignor.)
Radio Corporation of America. (See Iams, Harley, assignor.)
Radio Corporation of America. (See Jonker, J. L. H., and Van Gessel, assignors.)
Radio Corporation of America. (See Reifsteck, C. N., and Dimmick, assignors.)
Radio Corporation of America. (See Rinia, H., and Spoor, assignors.)
Radio Corporation of America. (See Rust, N. M., and Tweed, assignors.)
Radio Corporation of America. (See Sinnett, Chester M., assignor.)
Radio Corporation of America. (See Teaf, John H., assignor.)
Radio Corporation of America. (See Wood, Remsen V., assignor.)
Radio Patents Corporation. (See Plebanski, Jozef, assignor.)
Rafter, Albert, Glen Ridge, assignor to Rafter Machine Company, Belleville, N. J. Beam and the like for building construction. 2,098,676; Nov. 9.
Rafter Machine Company. (See Rafter, Albert, assignor.)
Railway Track-work Company. (See Perazzoli, Henry J., assignor.)
Ralston Purina Company. (See Hill, James R., assignor.)
Ramsey, Frank R., Portland, Oreg. Hoist. 2,098,308; Nov. 9.
Rastetter, William C., Fort Wayne, Ind. Folding chair. 2,098,711; Nov. 9.
Read, Barclay K., J. S. Godard, and W. N. Hall, Toronto, Ontario, Canada, assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Extracting gold and/or silver from ores, etc. 2,098,835; Nov. 9.
Reed, Clarence E., Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Roller bit. 2,098,758; Nov. 9.
Reed, Lawrence E., York, Nebr. Sled. 2,098,880; Nov. 9.
Reed Propeller Co., The. (See Chilton, Roland, assignor.)
Reifsteck, Carl N., Haddonfield, and G. L. Dimmick, Oakiyn, N. J., assignors to Radio Corporation of America, New York, N. Y. Telephone apparatus. 2,098,402; Nov. 9.
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Cigarette case construction. 2,098,930; Nov. 9.
Reiner, Otto, Rheinhausen/Niederrhein, Germany. Regenerative furnace. 2,098,553; Nov. 9.
Reinke, Floyd C., assignor to Air-O-Cel Industries Inc., Detroit, Mich. Heat insulating wall. 2,098,554; Nov. 9.
Reliance Manufacturing Company. (See Wenzel, Alvin J., assignor.)
Reppe, Walter, and H. Ufer, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of thioethers. 2,098,759; Nov. 9.
Resinous Products & Chemical Company, The. (See Marshall, William R., assignor.)
Ressler, Ivan L., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticide. 2,098,836; Nov. 9.
Reutter, Frederick R., assignor to Scoville Manufacturing Company, Waterbury, Conn. Lamp socket. 2,098,594; Nov. 9.
Reynolds, Harold A., Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich. By-pass arrangement. 2,098,712; Nov. 9.
Reynolds, Lynus C., Sweetwater, Tenn., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,098,359; Nov. 9.
Reynolds Spring Company. (See Sargent, Donald E., assignor.)
Rheinmetall-Borsig Aktiengesellschaft. (See Müller, Eduard, assignor.)
Rice, Walter A., and F. G. Shinn, Yonkers, N. Y. Pile fabric. 2,098,595; Nov. 9.
Richmond, William S., Hamilton, Ontario, Canada. Door closer. 2,098,837; Nov. 9.
Riley, Reginald H. J., R. Ashton, and H. Livesey, Spondon, near Derby, England, assignors to Celanese Corporation of America. Textile apparatus. 2,098,360; Nov. 9.
Rinia, Herre, and T. A. Spoor, Eindhoven, Netherlands, assignors to Radio Corporation of America. High frequency coupling element. 2,098,403; Nov. 9.
Rivkin, Joseph, Pittsburgh, Pa., assignor to The Neville Company. Resin production. 2,098,361; Nov. 9.
Rivkin, Joseph, Pittsburgh, Pa., assignor to The Neville Company. Cellulose acetate composition. 2,098,362; Nov. 9.
Robbins, John W. (See Goltman, J. T., and Robbins.)
Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Under-garment. 2,098,881; Nov. 9.
Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Under-garment. 2,098,882; Nov. 9.
Robinson, Harry J., Needham, and R. F. Harrison, Stoughton, assignors to The Mosler Safe Company, Boston, Mass. Protective system. 2,098,309; Nov. 9.
Rockwood, George H., Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for space discharge devices. 2,098,310; Nov. 9.
Rodenbach, Ernst, Bloomfield, N. J. Safety hook. 2,098,466; Nov. 9.
Rogers, Elias, Co. Limited. (See Cooper, E., and Shiels, assignors.)
Rogge, Albert C. (See Gordon, H., and Rogge.)
Romp, Hendrik A., Voorburg, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Liquid fuel burning installation. 2,098,760; Nov. 9.
Rook, Clay H. (See Rook, James A., and C. H.)
Rook, James A., and C. H., East Palestine, Ohio. Synchronized oil level control. 2,098,883; Nov. 9.
Roose, Clyde O., Elyria, Ohio. System and means for automobile identification. 2,098,432; Nov. 9.
Rosenthal, David, Ellenville, N. Y. Sash balance. 2,098,634; Nov. 9.
Rosseau, Leon B., Lower Merion Township, Montgomery County, Pa., assignor to General Electric Company. Heat treating apparatus. 2,098,813; Nov. 9.
Rossetti, Jerome. (See Aubert, F. B., and Rossetti.)
Rousseau, Albert B., Nashville, Tenn. Electric rat trap. 2,098,884; Nov. 9.
Rowe, Irving R., and E. E. Bradley, assignors to The Atwood Machine Company, Stonington, Conn. Twisting machine. 2,098,931; Nov. 9.
Rowe, Martin L., assignor to The Gerrard Company, Inc., Chicago, Ill. Wire cutter. 2,098,795; Nov. 9.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Making adhesively-secured seamed structures. 2,098,258; Nov. 9.
Ruben, Samuel, New Rochelle, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Display device. 2,098,519; Nov. 9.
Rumford Chemical Works. (See Fiske, Augustus H., assignor.)
Rusnak, John M., West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Work locating indicator for jig boring machines. 2,098,838; Nov. 9.
Rust, Noël M., and C. J. F. Tweed, Essex, England, assignors to Radio Corporation of America. Telegraphone and like apparatus. 2,098,596; Nov. 9.
Ryan, Lennie W. (See Dahlstrom, R., and Ryan.)
Saar, Franz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable condenser. 2,098,597; Nov. 9.
Saballus, Erwin J., and J. H. O. Saballus, assignors to J. Weidenhoff, Inc., Chicago, Ill. Pump testing apparatus. 2,098,677; Nov. 9.
Saballus, John H. O. (See Saballus, Erwin J., and J. H. O.)
Sachs, Morris B. (See Gleason, James M., assignor.)
Safety Mining Company. (See Armstrong, Frank H., assignor.)
Saffir, Jacob A., Rockford, Ill., assignor of one-half to O. H. Pieper and one-half to A. F. Pieper, Rochester, N. Y. Dental cuspidor. 2,098,932; Nov. 9.
Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Exhaust port protector for air brakes. 2,098,885; Nov. 9.
Safford, Lewis A., Watertown, N. Y., assignor to The New York Air Brake Company. Exhaust port protector for air brakes. 2,098,886; Nov. 9.
Saftien, Karl. (See Nawiasky, P., Ehrhardt, and Saftien.)
Sale, John W., assignor to Hummel-Ross Fibre Corporation, Hopewell, Va. Plyboard. 2,098,733; Nov. 9.
Sanders, J. W. (See McGaha, William P., assignor.)
Santiago, James J. (See Foster, W. L., and Santiago.)
Santiago, James J., assignor to J. Grant, Los Angeles, Calif. Well cleaning device. 2,098,520; Nov. 9.
Sargent & Company. (See Edwards, William S., assignor.)
Sargent, Donald E., assignor to Reynolds Spring Company, Jackson, Mich. Bottom strip seat frame connection. 2,098,649; Nov. 9.
Satterlee, Henry Y., Morristown, N. J., assignor to Swan-Finch Oil Corporation, New York, N. Y. Distributing material. 2,098,887; Nov. 9.
Sayers, William W., Chicago, Ill., and H. F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Settling tank. 2,098,467; Nov. 9.
Schädler, Friedrich A., Arbon, Switzerland. Chair capable of being piled up in a vertical direction. 2,098,888; Nov. 9.
Schaeffer, Edward G., Brooklyn, assignor to American Character Doll Co., Inc., New York, N. Y. Doll. 2,098,925; Nov. 9.
Schafer, John V., assignor to Bronson Reel Company, Bronson, Mich. Level wind mechanism for fishing reels. 2,098,693; Nov. 9.
Schattschneider, Edwin C., West Allis, Wis. Projecting apparatus. 2,098,311; Nov. 9.
Scheider, Frederick E. (See Hinkle, J. C., and Scheider.)
Schifter, Joseph, New York, N. Y. Embroidered fabric. 2,098,259; Nov. 9.
Schläpfer, Oskar, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Regulating device for a combustion power engine coupled to an electric generator for vehicles. 2,098,761; Nov. 9.

Schmidt, Richard W., Redondo Beach, assignor to The Dicalite Company, Los Angeles, Calif. Method of hard burning diatomaceous earth. 2,098,762; Nov. 9.
Schmitz, Carl, Oelde, Germany. Separator with discharge of the centrifuged substance through a hollow spindle. 2,098,880; Nov. 9.
Schmitz, Joseph, Jr., Philadelphia, Pa. Dyeing machine. 2,098,890; Nov. 9.
Schneider, Wilhelm, Dessau-in-Anhalt, and G. Wilmanns, Wolfen Kreis, Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Photographic material. 2,098,891; Nov. 9.
Schneider, William G., Maumee, assignor to The Electric Auto-Lite Company, Toledo, Ohio. Electromagnet. 2,098,926; Nov. 9.
Scholl, William M., Chicago, Ill. Foot pad. 2,098,312; Nov. 9.
Schörnig, Ludwig, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 3-amino-quinaldine derivatives and preparing them. 2,098,927; Nov. 9.
Schrade, George, Bridgeport, Conn. Pocket knife. 2,098,678; Nov. 9.
Schraysshuen, Carl, assignor to Speidel Corporation, Providence, R. I. Key holder structure. 2,098,094; Nov. 9.
Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Synchronizing system. 2,098,598; Nov. 9.
Schubert, Max, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Yellow substantive dyestuff for cotton. 2,098,599; Nov. 9.
Schultz, Fred M., Detroit, Mich. Closure alarm. 2,098,635; Nov. 9.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse. 2,098,433; Nov. 9.
Schweizerische Industrie-Gesellschaft. (See Frei, Max, assignor.)
Scovil, D. & H., Incorporated. (See Porter, Joseph S., assignor.)
Scovill Manufacturing Company. (See Reutter, Frederick R., assignor.)
Scovill Manufacturing Company. (See Spender, Sydney L., assignor.)
Sears, Roebuck and Co. (See Janes, L. S., Raben, and Nielsen, assignors.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sebell, Harry, Boston, assignor of one-half to A. H. Parker, Lexington, Mass. Can or container. 2,098,763; Nov. 9.
Sebring, Roy, et al. (See Holmes, Charles I., assignor.)
Selbert, Nelson J. (See Parker, W. H., Selbert, and Geming.)
Seitz-Werke G. m. b. H. (See Stegemann, Friedrich, assignor.)
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Sexton, Wilfred A. (See Coffey, S., Lapworth, and Sexton.)
Seymour, William A., Leavenworth, Kans. Apparatus for processing grain. 2,098,521; Nov. 9.
Shakespeare Company. (See Shakespeare, William, Jr., assignor.)
Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,098,404; Nov. 9.
Shalomith, Israel H., Brooklyn, N. Y. Ornamental wreath. 2,098,314; Nov. 9.
Shapiro, Isadore, assignor to The Athletic Shoe Company, Chicago, Ill. Athletic shoe. 2,098,468; Nov. 9.
Sharp, David G., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. X-ray tube. 2,098,315; Nov. 9.
Sharpless, Caspar P., Swarthmore, assignor to Milk Processes, Inc., Philadelphia, Pa. Manufacturing cream cheese. 2,098,764; Nov. 9.
Sharpless, Caspar P., Swarthmore, assignor to Milk Processes, Inc., Philadelphia, Pa. Manufacturing cream cheese products. 2,098,765; Nov. 9.
Shell Development Company. (See Romp, Hendrik A., assignor.)
Shiels, Thomas C. (See Cooper, E., and Shiels.)
Shinn, Frank G. (See Rice, W. A., and Shinn.)
Shipp, Douglas G. (See MacGregor, R. M., and Shipp.)
Shirley, Albert E., Toronto, Ontario, Canada. Switch lock for railways. 2,098,796; Nov. 9.
Silver Seal Dairy Products Company. (See Buckingham, Harold S., assignor.)
Simmons Paper Products, Inc. (See Krause, H. J., and Simmons, assignors.)
Simmons, Paul R. (See Krause, H. J., and Simmons.)
Simning, Roy B., Minneapolis, assignor, by mesne assignments to himself, and H. J. Murphy, St. Louis Park, Minneapolis, and G. V. Watson, Minneapolis, Minn. Tank vehicle. 2,098,522; Nov. 9.
Simning, Roy B., Minneapolis, assignor, by mesne assignments to himself, and H. J. Murphy, St. Louis Park, Minneapolis, and G. V. Watson, Minneapolis, Minn. Spray device. 2,098,523; Nov. 9.
Simon, Walter. (See Pier, M., Simon, and Kroenig.)
Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)
Singer Manufacturing Company, The. (See Zonis, Sydney, assignor.)
Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Dynamic amplifier. 2,098,405; Nov. 9.
Sintz, Claude, Detroit, Mich. Tap bush and forming the same. 2,098,892; Nov. 9.
Sirian Lamp Company. (See Ruben, Samuel, assignor.)
Sittler, Edwin C. (See Kettering, C. F., and Sittler.)
Sittler, Edwin C., assignor to General Motors Corporation, Dayton, Ohio. Method of and apparatus for creating an artificial fever. 2,098,316; Nov. 9.
Skov, Henry A., Frederiksberg, near Copenhagen, Denmark. Tearable closure. 2,098,555; Nov. 9.
Slezak, Vincent F., assignor to A. B. T. Manufacturing Company, Chicago, Ill. Game apparatus. 2,098,406; Nov. 9.
Slidell, Kemper, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Retaining means for loose aggregates. 2,098,903; Nov. 9.
Smith, Arthur E., Los Angeles, Calif. Syringe. 2,098,524; Nov. 9.
Smith, Clarence C., Atlantic City, N. J. Beer pipe cleaning apparatus. 2,098,525; Nov. 9.
Smith, Herman L., Grifton, N. C. Punchboard game apparatus. 2,098,434; Nov. 9.
Smith, John I. (See Mattson, A., Smith, and Frans.)
Smith, John W., Norwalk, Conn. Foldable enclosure. 2,098,469; Nov. 9.
Smith, L. C. & Corona Typewriters Inc. (See Gabrielson, C., and Moshier, assignors.)
Smith, Marshall A., Jr., South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill. Ventilating fan. 2,098,407; Nov. 9.
Smith, William E., and I. J. Focht, Welisboro, Pa. Fish and tackle basket. 2,098,636; Nov. 9.
Smith, William R., Portland, Oreg., assignor to American Can Company, New York, N. Y. Filled can weighing and sorting apparatus. 2,098,260; Nov. 9.
Smoler, Maurice. (See Gearty, William P., assignor.)
Société Auxiliaire d'Etudes Electrotechniques. (See Tuot, Raymond A., assignor.)
Solosko, Abraham, Chicago, Ill. Pulling die. 2,098,470; Nov. 9.
Somers, Richard M., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Gaseous discharge device. 2,098,679; Nov. 9.
Soper, Ernest W., et al. (See Holmes, Charles I., assignor.)
Sottile, John F., Kingston, N. Y. Shoe gluing stand. 2,098,313; Nov. 9.
Soubier, Leonard D., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware forming machine. 2,098,435; Nov. 9.
Southwick, Laurence F., Meriden, Conn. Electrocardiograph apparatus. 2,098,695; Nov. 9.
Sparrow, Arthur J., Oakland, assignor to C. M. Bailey Company, Inc., San Francisco, Calif. Water reducing valve. 2,098,696; Nov. 9.
Speidel Corporation. (See Schraysshuen, Carl, assignor.)
Spender, Sydney I., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lamp socket. 2,098,660; Nov. 9.
Sperry Gyroscope Company. (See Carter, L. F., and Frische, assignors.)
Sperry Gyroscope Company. (See Harding, William G., assignor.)
Spinosa, Arthur V., assignor to Penn Metal Company, Parkersburg, W. Va. Plaster base. 2,098,261; Nov. 9.
Spoor, Theodorus A. (See Rinia, H., and Spoor.)
Staegemann, Eugene, deceased, by J. L. Staegemann, administratrix, Allendale, N. J., assignor to The Permutit Company, New York, N. Y. Automatic multiple valve control. 2,098,893; Nov. 9.
Staegemann, Jessie L., administratrix. (See Staegemann, Eugene.)
Stahlecker, Wilhelm, assignor to Vereinigte Kugellagerfabriken Aktiengesellschaft, Stuttgart-Bad-Cannstatt, Germany. Top roll. 2,098,436; Nov. 9.
Stamford Rubber Supply Company, The. (See Hall, F. W., and Wilson, assignors.)
Standard-I. G. Company. (See Pier, M., Simon, and Kroenig, assignors.)
Standard Oil Company. (See Brewster, O. C., Paulus, and Thompson, assignors.)
Standard Oil Company of California. (See Webster, Hugh B., assignor.)
Standard Steel Works. (See Gredell, Otto N., assignor.)
Starks, Henry H., Tacoma, Wash. Door indicating device. 2,098,471; Nov. 9, 1937.
States Batteries Ltd. (See Thomas, A. W., assignor.)
Stauffer, Glen D., Nappanee, Ind. Fusible coupling for fire alarm circuits. 2,098,680; Nov. 9.
Staunt, Martin, Chicago, Ill. Dental appliance. 2,098,317; Nov. 9.
Stegemann, Friedrich, assignor to Seitz-Werke G. m. b. H., Bad Kreuznach, Germany. Machine for cleaning vessels, particularly bottles. 2,098,526; Nov. 9.
Stein, Irving M., assignor to Leeds & Northrup Company, Philadelphia, Pa. Temperature measuring system. 2,098,650; Nov. 9.
Steinbach, Theodore, Millburn, N. J. Hair clipping implement. 2,098,437; Nov. 9.
Stevens, Carl A. (See Pfefferkorn, F. F., and Stevens.)

Stevens, Clarence E., Old Greenwich, Conn., assignor to Electrolux Corporation, Dover, Del. Forming a suction cleaning device. 2,098,797; Nov. 9.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stewart-Warner Corporation. (See Nord, Walter G., assignor.)
Stickdorn, Kurt, Rosslau/Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Cleaning fibrous materials. 2,098,527; Nov. 9.
Stokes, F. J., Machine Company. (See Westin, C. J., and Donaghy, assignors.)
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Plow. 2,098,472; Nov. 9.
Stromberg Electric Company. (See Jackson, Edward B., assignor.)
Stubbs, Everard, Springfield, Vt., assignor to Norton Company, Worcester, Mass. Grinding machine for grinding non-circular shapes. 2,098,438; Nov. 9.
Stuber, Walter J., assignor to Carey-McFall Co., Philadelphia, Pa. Sheet metal worm. 2,098,439; Nov. 9.
Sturtevant, B. F., Company. (See Anderson, S. M., and Palmer, assignors.)
Sullivan, John D., assignor to The Battelle Memorial Institute, Columbus, Ohio. Refractory material. 2,098,839; Nov. 9.
Sullivan Machinery Company. (See Paget, Win W., assignor.)
Sulzer Freres Societe Anonyme. (See Schläpfer, Oskar, assignor.)
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Making separable fasteners. 2,098,651; Nov. 9.
Super Sensitive Controls Corp. (See Aubert, F. B., and Rossetti, assignors.)
Supreme Knitting Machine Co. (See Agulnek, Harry.)
Swan-Finch Oil Corporation. (See Satterlee, Henry Y., assignor.)
Swank, James W. (See Calkins, R. M., and Swank.)
Swanson, Charles A., Chicago, Ill. Stamp holder. 2,098,814; Nov. 9.
Tagit Company, The. (See Borchert, William, assignor.)
Tamada, Eizo, Itoigawa-cho, Nishikubiki-gun, Niigata-ken, Japan. Leakage-stopper for a hose. 2,098,556; Nov. 9.
Tarnuzzer, Edmund C. (See de Goencz, D., and Tarnuzzer.)
Tassick, John A., Streator, Ill., assignor to Owens-Illinois Glass Company. Glass melting furnace. 2,098,440; Nov. 9.
Tatter, John W., Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,098,681; Nov. 2.
Taylor, James H., Oak Park, Ill. Making a flanged valve housing. 2,098,318; Nov. 9.
Teaf, John H., Camden, N. J., assignor to Radio Corporation of America. Record transfer device for automatic phonographs. 2,098,601; Nov. 9.
Tear, Harry R. (See Dodge, A. Y., and Tear.)
Tears, Claude F., Warren, Pa., assignor to The Petroleum Processes Corporation, Wichita, Kans. Recharging a pressure filter. 2,098,766; Nov. 9.
Technicolor Motion Picture Corporation. (See Troland, Leonard T., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Engelmann, A., and Wolf, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klotz, E., and Zepler, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Saar, Franz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Temple, John C., New York, N. Y. Surfacing machine. 2,098,262; Nov. 9.
Thode, Adolf, Hamburg-Billbrook, Germany. Nut lock. 2,098,840; Nov. 9.
Thomas Electric Company. (See Wohlgemuth, Adolph J., assignor.)
Thomas, Richard, assignor of one-half to W. J. Bryan, Jr., Los Angeles, Calif. Double simultaneous motion picture apparatus. 2,098,767; Nov. 9.
Thomas, Thomas A. W., assignor to States Batteries Ltd., Los Angeles, Calif. Receptacle and identification carrier therefor. 2,098,557; Nov. 9.
Thompson, Andrew E. (See Brewster, O. C., Paulus, and Thompson.)
Thompson, Charles W., Albany, N. Y. Electrical switch. 2,098,473; Nov. 9.
Thompson, George C. (See Busson, J. W., and Thompson.)
Thompson, Russell G., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,098,319; Nov. 9.
Thornton, Irving T., Buffalo, assignor to National Aniline and Chemical Company, Inc., New York, N. Y. Grinding dyestuffs. 2,098,798; Nov. 9.
Threadgold, Stanley D., Ilford, assignor, by mesne assignments, to Dufay-Chromex Limited, Aldwych, London, England. Color photography. 2,098,602; Nov. 9.
Tingley, Hugh J., Winnipeg, Manitoba, Canada. Serum treatment for mange. 2,098,637; Nov. 9.
Titanium Alloy Manufacturing Company, The. (See Comstock, G. F., and Efimoff, assignors.)
Toussaint, Walter J. (See Perkins, G. A., and Toussaint.)
Traver, Harry G., Beaver Falls, Pa., assignor to International Mutoscope Reel Co., Inc., New York, N. Y. Game apparatus. 2,098,320; Nov. 9.
Treptow, Frederick W., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distributing frame. 2,098,321; Nov. 9.
Trico Fuse Mfg. Co. (See Jung, O. H., and Heffelfinger, assignors.)
Troland, Leonard T., deceased, by the Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photographic process with exposure diminution. 2,098,441; Nov. 9.
Troland, Leonard T., deceased, by Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif. Photographic process with exposure diminution. 2,098,442; Nov. 9.
Trotcky, Jerome M., Albany, N. Y. Screen. 2,098,322; Nov. 9.
Trumbull Electric Manufacturing Company, The. (See Anderson, William, assignor.)
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Trumbull Electric Manufacturing Company, The. (See Hanny, Charles E., assignor.)
Trumpour, Frederick J., Forest Glen, Md. Cribbing saddle. 2,098,263; Nov. 9.
Truscon Steel Company. (See Foukal, Anthony, assignor.)
Tucker, John R., La Crescenta, Calif. Direct action air compressor and muffler. 2,098,474; Nov. 9.
Tucker, William B., assignor to Armstrong Cork Company, Lancaster, Pa. Cot. 2,098,603; Nov. 9.
Tuot, Raymond A., assignor to Société Auxiliaire d'Etudes Electrotechniques, Strasbourg, France. Railroad signaling device based upon the spacing due to the speed. 2,098,363; Nov. 9.
Turco, Generoso, Brooklyn, N. Y. Air-cooled protector for permanent hair waving. 2,098,768; Nov. 9.
Turnbull, Norman K., Philadelphia, Pa. Cartridge stop for machine guns. 2,098,264; Nov. 9.
Turner Tanning Machinery Company, The. (See McLaughlin, G. E., and Broughton, assignors.)
Tweed, Cyril J. F. (See Rust, N. M., and Tweed.)
Tykocinski-Tykocíner, Joseph, Urbana, Ill. Transmitting, recording, and reproducing sound. 2,098,364; Nov. 9.
Ufer, Hanns. (See Reppe, W., and Ufer.)
Ubertype Aktiengesellschaft. (See Wenczler, Lajos, assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Underwood Elliott Fisher Company. (See Lentz, Lawrence E., assignor.)
"Unichem" Chemikalien Handels A.-G. (See Stickdorn, Kurt, assignor.)
Union Carbide and Carbon Corporation. (See Perkins, G. A., and Tonssaint, assignors.)
Union Oil Company of California. (See Hopper, B., and Kingman, assignors.)
Union Switch & Signal Company, The. (See Allison, Leslie R., assignor.)
Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See MacGregor, R. M., and Shipp, assignors.)
Union Switch & Signal Company, The. (See McGowan, Kenneth J. J., assignor.)
Union Switch & Signal Company, The. (See Peter, Leslie H., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
Union Switch & Signal Company, The. (See Witmer, Harold G., assignor.)
United Mattress Machinery Company. (See Mathewson, Wilfred B., assignor.)
United Research Corporation. (See Black, William A., assignor.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)
United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United Specialties Sales Corporation. (See Cone, Hayes, assignor.)
United States Rubber Products, Inc. (See Bovay, Norman E., assignor.)
United States Rubber Products, Inc. (See Francis, Raymond S., assignor.)
United States Rubber Products, Inc. (See Keen, A. W., and Chittenden, assignors.)

United States Rubber Products, Inc. (See Morron, John D., assignor.)
Universal Dental Company. (See Lincoln, Benjamin A., assignor.)
Vacchina, Palmino. (See Citterio, S., and Vacchina.)
Vancott, Benjamin R., Los Angeles, Calif. Air conditioning apparatus. 2,098,443; Nov. 9.
Vanderhoff, Russell E. (See Weber, M. J., and Vanderhoff.)
Vanderput, Anthony W., Los Angeles, Calif. Single compartment selective vending machine. 2,098,697; Nov. 9.
Van der Trappen, Pieter H. (See van Doorne, H. J., and van der Trappen.)
Van Doorne, Hubertus J., Deurne, and P. H. van der Trappen, Breda, Netherlands. Rear wheel support for a motor vehicle. 2,098,894; Nov. 9.
Van Gessel, Karel M. (See Jonker, J. L. H., and Van Gessel.)
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,098,265; Nov. 9.
Van Veen, Anton, West Hartford, Conn. Self-actuating valve. 2,098,815; Nov. 9.
Velten, Wilhelm L., Neustadt a. d. Haardt, Germany. Tamping machine. 2,098,895; Nov. 9.
Vereinigte Kugellagerfabriken Aktiengesellschaft. (See Stahlecker, Wilhelm, assignor.)
Verloop, Hendrik N. F., Amsterdam, Netherlands, assignor to The Heil Co., Milwaukee, Wis. Steam generator. 2,098,841; Nov. 9.
Vogt, Eberhard. (See Gericke, P. H., Herold, Kratz, and Vogt.)
Wadsworth, Harry L., Los Angeles, Calif. Gauge for counting typewritten characters. 2,098,323; Nov. 9.
Wagner, Theodor C., Chemnitz, Germany. Mechanical warp stop motion. 2,098,444; Nov. 9.
Wait, Wesley, Newburgh, N. Y. Metallic frame for building construction. 2,098,734; Nov. 9.
Walker, Louis E. Q. (See Dowsett, H. M., and Walker.)
Walker, William L., New York, N. Y. Distance finder. 2,098,266; Nov. 9.
Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,098,638; Nov. 9.
Walma, Theodore K., Iowa City, Iowa. Spacing mechanism. 2,098,816; Nov. 9.
Walsh, Carroll H. (See Pittman, R. R., and Walsh.)
Walter, Hans, assignor to Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Preparation of acetaldehyde and a catalyst therefor. 2,098,842; Nov. 9.
Walther, Edwin A., assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio. Carton. 2,098,639; Nov. 9.
Wansky, Morris H. (See Handler, A. C., and Wansky.)
Ward, Howard E., Berkeley, Calif., and W. W. Brown, Tuckahoe, N. Y., assignors to Ralph N. Brodie Company, Oakland, Calif. Selective valve manifold for gasoline tank trucks and the like. 2,098,682; Nov. 9.
Ward, Thomas O., Roby, and S. Eaton, Mossley Hill, Liverpool, England. Apparatus for delivering and weighing predetermined quantities of material. 2,098,324; Nov. 9.
Warner, Boyd W., assignor to The Warner Brooder & Appliance Corporation, North Manchester, Ind. Brooder. 2,098,475; Nov. 9.
Warner Brooder & Appliance Corporation, The. (See Warner, Boyd W., assignor.)
Warren Textile and Machinery Supply Co. (See Barrett, Edwin W., assignor.)
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machines. 2,098,904; Nov. 9.
Watrous, Charles A., New Haven, Conn. Light-shield for cameras, etc. 2,098,813; Nov. 9.
Watson, George V., et al. (See Slinning, Roy B., assignor.)
Watson, Harold F. (See Sayers, W. W., and Watson.)
Watson, John A., Hinsdale, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,098,108; Nov. 9.
Waxgiser, William V., Brooklyn, N. Y. Article projection apparatus for shelves. 2,098,844; Nov. 9.
Weaver, Harry E., South Euclid, Ohio, assignor to Bailey Meter Company. Measuring apparatus. 2,098,325; Nov. 9.
Weber, Mathias J., and R. E. Vanderhoff, assignors to Continental Scale Corporation, Chicago, Ill. Weighing scale. 2,098,845; Nov. 9.
Weber, Mathias J., and R. E. Vanderhoff, assignors to Continental Scale Company, Chicago, Ill. Weighing scale. 2,098,846; Nov. 9.
Webster, Hugh R., Oakland, assignor to Standard Oil Company of California, San Francisco, Calif. Directional inclination recorder. 2,098,476; Nov. 9.
Webster, Samuel L., assignor to Draper Corporation, Hopedale, Mass. Reed holder for looms. 2,098,769; Nov. 9.
Webster, Samuel W. (See Fitzpatrick, W. G., and Webster.)
Weickmann, August. (See Hopf, H., and Weickmann.)
Weidenhoff, Joseph, Inc. (See Saballus, Erwin J. and J. H. O., assignors.)
Weishampel, Robert C., Paterson, N. J. Drill grinding machine. 2,098,267; Nov. 9.
Welsh, John, St. Paul, Minn. Dispensing device. 2,098,477; Nov. 9.
Wenczler, Lajos, Augsburg, Germany, assignor to Uhertype Aktiengesellschaft, Glarus, Switzerland. Justification of lines of type matter in phototype composing. 2,098,928; Nov. 9.
Wente, Edward C., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Calculating device. 2,098,326; Nov. 9.
Wenzel, Alvin J., Michigan City, Ind., assignor to Reliance Manufacturing Company, Chicago, Ill. Shirt sleeve. 2,098,847; Nov. 9.
Wesselmann, Louis E., Buffalo, N. Y. Apparatus for treating cleaning solvents. 2,098,713; Nov. 9.
Westfield River Paper Company. (See Barnhart, Philip S., assignor.)
Westin, Charles J., and A. Donaghy, Sr., assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Powder filling machine. 2,098,905; Nov. 9.
Westinghouse Electric and Manufacturing Company. (See Driggs, Frank H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Sharp, David G., assignor.)
Westinghouse X-Ray Company Inc. (See Cassen, Benedict, assignor.)
Wettlaufer, William L., Buffalo, N. Y. Golf club. 2,098,445; Nov. 9.
Whitacre, Charles H., Morgantown, W. Va. Sales tax register. 2,098,896; Nov. 9.
White, Bernard S., Hammond, Ind., assignor to The Glidden Company, Cleveland, Ohio. Making sublimed litharge. 2,098,268; Nov. 9.
White Cap Company. (See White, William P., assignor.)
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Making closure caps. 2,098,906; Nov. 9.
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whittingham, Richard A., Perryville, Md. Vehicle brake. 2,098,409; Nov. 9.
Whymper, Robert, New York, N. Y., assignor to The National Sugar Refining Company of New Jersey, Edgewater, N. J. Sugar manufacture. 2,098,604; Nov. 9.
Wiegand, Kurt, Hohenneuendorf, near Berlin, and F. Göritz, Berlin, Germany, assignors to General Electric Company. Insulated support for lamps. 2,098,817; Nov. 9.
Williams, Homer S., Youngstown, Ohio, assignor to Pace Manufacturing Company, Inc., Chicago, Ill. Mechanical game apparatus. 2,098,410; Nov. 9.
Wilmanns, Gustav. (See Schneider, W., and Wilmanns.)
Wilson, James E. (See Phillippi, D. M., and Wilson.)
Wilson, Norman R. (See Hall, F. W., and Wilson.)
Wilson, Ralph W., New York, N. Y. Closure for containers. 2,098,799; Nov. 9.
Winkelmann, Herbert A., Chicago, and W. C. Calvert, Oak Park, Ill., assignors to Marbon Corporation. Porous halogen containing rubber derivatives. 2,098,365; Nov. 9.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lockstitch sewing machine. 2,098,327; Nov. 9.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Leveling machine. 2,098,366; Nov. 9.
Winship, Ralph B., Montreal, Quebec, Canada. Spring plank. 2,098,328; Nov. 9.
Winston, Norman K. (See Yentis, Louis, assignor.)
Winzenburg, Wilhelm. (See Küppenbender, H., Winzenburg, Felgner, Fischer, and Kaden.)
Wise, Harry E., Canton, Ohio. Bearing. 2,098,683; Nov. 9.
Witmer, Harold G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuits. 2,098,818; Nov. 9.
Wohlgemuth, Adolph J., Brooklyn, assignor to Thomas Electric Company, West New York, N. Y. Telautograph receiver. 2,098,605; Nov. 9.
Wolf, Gfhuller. (See Engelmann, A., and Wolf.)
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine shuttle. 2,098,269; Nov. 9.
Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Bobbin-thread case for sewing machines. 2,098,270; Nov. 9.
Wood, Remsen V., Rochester, assignor to Radio Corporation of America, New York, N. Y. Moving picture film printing machine. 2,098,367; Nov. 9.
Worth Company, The. (See Nampa, Sulo M., assignor.)
Wright Aeronautical Corporation. (See De Pew, Chester C., assignor.)
Wrighton, William J., assignor to American Optical Company, Southbridge, Mass. Plated article. 2,098,411; Nov. 9.
Wroble, Theodore M. (See Johnson, A. C., and Wroble.)
Yentis, Louis, assignor to N. K. Winston, New York, N. Y. Shoe heating. 2,098,735; Nov. 9.
Young, John W., assignor to National Battery Company, St. Paul, Minn. Battery container. 2,098,478; Nov. 9.

Zabel, Rolland M., Lynnfield, assignor to Hygrade Sylvania Corporation, Salem, Mass. Incandescent electric lamp and manufacture thereof. 2,098,907; Nov. 9.
Zeder, Henry H., assignor, by mesne assignments, to Eaton Manufacturing Company, Detroit, Mich. Valve tappet. 2,098,897; Nov. 9.
Zeiss Ikon Aktiengesellschaft. (See Küppenbender, H., Winzenburg, Felgner, Fischer, and Kaden, assignors.)
Zepler, Erich. (See Klotz, E., and Zepler.)
Ziegler, Hans, Zollikon-Zurich, Switzerland. Manifolding attachment for writing machines. 2,098,368; Nov. 9.
Zonis, Sydney, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,098,770; Nov. 9.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Grinding machine, Two slide automatic. C. T. Raule. 20,549; Nov. 9.
Load distribution, Apparatus for controlling. E. D. Doyle. 20,548; Nov. 9.
Mooring and hoisting apparatus. W. E. Rouse. 20,551; Nov. 9.
Sanding drum. A. W. Walker. 20,550; Nov. 9.

LIST OF DESIGN INVENTIONS

Aerial, Automobile roof. R. Kopanski. 106,922; Nov. 9.
Aerial for automobiles. D. A. Vaughan. 106,938; Nov. 9.
Air conditioning control. C. R. T. Hess. 106,885–90; Nov. 9.
Airplane. W. D. Waterman. 106,930; Nov. 9.
Anchor, Nail drive. P. C. Dellinger. 106,861; Nov. 9.
Ashtray. J. E. Spence. 106,872; Nov. 9.
Badge. R. O. Yardley. 106,876; Nov. 9.
Band, Advertising display. R. C. Ziringer. 106,906; Nov. 9.
Base, Machine tool. H. Van Doren. 106,875; Nov. 9.
Bobbin for loom shuttles or similar articles. W. J. McGeough. 106,982; Nov. 9.
Book end or similar article. L. V. Aronson. 106,878; Nov. 9.
Bottle. W. Nuckols. 106,900; Nov. 9.
Bottle and cup, Combined. H. Dreyfuss. 106,862; Nov. 9.
Brace for screen doors and the like. E. R. Erickson. 106,863; Nov. 9.
Bureau and wardrobe, Combined. F. H. Newmaker. 106,899; Nov. 9.
Cal'met, Heater. M. F. Cotes and W. C. Schneider. 106,910; Nov. 9.
Cabinet, Refrigerator display. G. J. Hopkins. 106,891; Nov. 9.
Camera. J. Milmlyi. 106,927; Nov. 9.
Car or similar article, Articulated railway. I. C. Barlow, E. D. Campbell, and O. Kubler. 106,907; Nov. 9.
Cart, Hostess. J. C. Gridley. 106,884; Nov. 9.
Chair or the like. M. R. Moody. 106,898; Nov. 9.
Chair rung. R. F. McMahan. 106,893–4; Nov. 9.
Character bearing unit. J. B. Federico. 106,864–7; Nov. 9.
Closure, Lamp. H. C. Mead. 106,925; Nov. 9.
Coat. S. Rosenblatt. 106,949; Nov. 9.
Comb support and razor blade desitory, Combined. H. Pena. 106,901; Nov. 9.
Crib-fan. C. M. Ramos. 106,904; Nov. 9.
Dental flask attachment. D. Bumgardner and A. B. Pickands. 106,880; Nov. 9.
Dish or similar article, Covered. M. S. Cornell, Jr. 106,858; Nov. 9.
Dish or similar article, Covered. M. S. Cornell, Jr. 106,859; Nov. 9.
Dish or similar article, Covered. M. S. Cornell, Jr. 106,860; Nov. 9.
Dispenser for lubricants or the like. G. W. Ginter. 106,883; Nov. 9.
Dress. E. Blavet. 106,908; Nov. 9.
Dress. R. Echtuck. 106,912; Nov. 9.
Dress. P. Fracchia. 106,942–4; Nov. 9.
Dress. J. Kirschner. 106,921; Nov. 9.
Dress. J. J. Kushner. 106,946–7; Nov. 9.
Dress. F. Laye. 106,923; Nov. 9.
Dress. M. Michelson. 106,895; Nov. 9.
Dress. S. J. Poster. 106,948; Nov. 9.
Dress. T. Quaranto. 106,903; Nov. 9.
Dress. D. Rosenthal. 106,928–9; Nov. 9.
Dress. P. Wenett. 106,941; Nov. 9.
Dress ensemble. M. Michelson. 106,926; Nov. 9.
Fabric, Knitted. J. Minoff. 106,896–7; Nov. 9.
Fabric or similar article of manufacture, Textile. B. Haertel. 106,917; Nov. 9.
Fabric or similar article, Shoe. J. A. Fogarty. 106,882; Nov. 9.
Fabric or similar article, Textile. W. D. Roberson. 106,905; Nov. 9.
Gear case Busher or similar article. C. W. Ginter. 106,914; Nov. 9.
Glove. J. E. Fuchs. 106,913; Nov. 9.
Gocart. W. G. Carlson. 106,909; Nov. 9.
Handwheel. V. P. Rumely. 106,930; Nov. 9.
Holder, Flower vase. T. S. Perez. 106,902; Nov. 9.
Jacket, Bolero. C. Lewis. 106,924; Nov. 9.
Lace. B. Edson. 106,881; Nov. 9.
Lace. A. A. Goldstein. 106,915–16; Nov. 9.
Lighting fixture or similar article. L. L. Stewart. 106,873–4; Nov. 9.
Locomotive body. H. L. Hamilton, R. M. Dilworth, M. P. Blomberg, L. A. Knickerbocker, and C. J. Klein. 106,918; Nov. 9.
Locomotive body. H. L. Hamilton, R. M. Dilworth, M. P. Blomberg, W. D. Otter, L. A. Knickerbocker, and C. J. Klein. 106,919–20; Nov. 9.
Negligee. E. E. Stricker. 106,936; Nov. 9.
Negligee. E. E. Stricker. 106,954; Nov. 9.
Pajama, Gown. H. Welsman. 106,940; Nov. 9.
Pen and ink desk-stand. W. F. Deppermann. 106,911; Nov. 9.
Plate or similar article. Y. Buma. 106,879; Nov. 9.
Playground apparatus. C. D. Spangler. 106,871; Nov. 9.
Range. R. Hoffman. 106,868; Nov. 9.
Reflector, Hollow double-wall glass. C. E. Anderson and C. R. Palmer. 106,877; Nov. 9.
Safety device for pedestrians. T. E. Miller. 106,869; Nov. 9.
Scarf or similar article. S. Rosen. 106,950–3; Nov. 9.
Scraper for centrifugal separating machines and analogous articles. J. S. Pecker. 106,870; Nov. 9.
Shoe or similar article. L. Sholtz. 106,932–5; Nov. 9.
Stamp, Trading. C. J. and G. D. Hays. 106,945; Nov. 9.
Sweater. F. Sheindelman. 106,931; Nov. 9.
Sweater, Knitted. L. M. Sobo. 106,937; Nov. 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive to polishing wheels, belts, or the like, Apparatus for applying. J. S. Porter. 2,098,306; Nov. 9.
Accounting machine. A. E. Gray. 2,098,339; Nov. 9.
Acetaldehyde and a catalyst therefor, Preparation of. H. Walter. 2,098,842; Nov. 9.
Acid, Preparing aminoacetic. E. T. Mertz. 2,098,923; Nov. 9.
Adhesive applying mechanism. H. S. Buckingham. 2,098,857; Nov. 9.
Advertising device. H. Cone. 2,098,568; Nov. 9.
Agricultural implement. M. J. Petersen. 2,098,552; Nov. 9.
Air, Apparatus for the heating of. J. McElgin. 2,098,830; Nov. 9.
Air-circulating equipment. A. Y. Dodge. 2,098,378; Nov. 9.
Air conditioning apparatus. B. R. Vancott. 2,098,443; Nov. 9.
Air conditioning method and apparatus for passenger cars. L. L. Lewis. 2,098,396; Nov. 9.
Air conditioning system utilizing refrigeration. S. M. Anderson and R. T. Palmer. 2,098,558; Nov. 27.
Air deflecting device. W. L. Morrison. 2,098,255; Nov. 9.
Aircraft, Navigation of. H. C. Hayes. 2,098,240; Nov. 9.
Aircraft, Structural section for. R. G. Miller. 2,098,752; Nov. 9.
Aircraft with freely rotative wings. J. de la Cierva. 2,098,230; Nov. 9.
Alarm-actuating means, Fire. R. B. Bukolt. 2,098,532; Nov. 9.
Alarm and motor starting system, Emergency. G. E. Lake. 2,098,549; Nov. 9.
Alarm, Closure. F. M. Schultz. 2,098,635; Nov. 9.
Alloy for dental plates. A. R. Powell. 2,098,879; Nov. 9.
Amines, Catalytic synthesis of. C. H. Greenewalt. 2,098,289; Nov. 9.
Amplifier, Dynamic. C. M. Sinnett. 2,098,405; Nov. 9.
Amusement device, Racing. C. W. Musser. 2,098,809; Nov. 9.
Angular motion indicator. W. G. Harding. 2,098,580; Nov. 9.
Anhydrides, Manufacture of aliphatic. H. Dreyfus. 2,098,334; Nov. 9.
Antenna circuit modulation. G. H. Brown. 2,098,373; Nov. 9.
Antenna, Deflectable. L. J. Hruska. 2,098,388; Nov. 9.
Antifriction bearing. W. T. Murden and R. D. Brouwer. 2,098,709; Nov. 9.
Article of manufacture. A. J. Jennings. 2,098,748; Nov. 9.
Article projection apparatus for shelves. W. V. Waxgiser. 2,098,844; Nov. 9.
Articles from paper, Forming. H. E. Cude. 2,098,642; Nov. 9.
Automobile identification, System and means for. C. O. Roose. 2,098,432; Nov. 9.
Automobile theft preventer. W. H. Blaney. 2,098,854; Nov. 9.
Awning. G. A. Houseman. 2,098,705; Nov. 9.
Bacteric culture and production thereof. A. H. Hendrickson. 2,098,918; Nov. 9.
Bag-filling and weighing machine, Automatic. R. Jarrier. 2,098,246–7; Nov. 9.
Bag for vacuum cleaners, Dust. L. N. Parks. 2,098,632; Nov. 9.
Ball control mechanism for pinball games. B. E. Mills. 2,098,648; Nov. 9.
Bandless Jordan plug. A. Dorman. 2,098,279; Nov. 9.
Bar: *See*—
Dividing bar.
Basin, Surgical. Pollock, J. C. 2,098,673; Nov. 9.
Basket, Fish and tackle. W. E. Smith and I. J. Focht. 2,098,636; Nov. 9.
Battery: *See*—
Storage battery.
Battery container. J. W. Young. 2,098,478; Nov. 9.
Beam and the like for building construction. A. Rafter. 2,098,676; Nov. 9.
Bearing: *See*—
Antifriction bearing.
Bearing. H. E. Wise. 2,098,683; Nov. 9.
Bed supporting structure for trailers or automobiles. E. E. Hills. 2,098,825; Nov. 9.
Belt and joint therefor, Transmission. C. L. Paulus. 2,098,755; Nov. 9.
Bit: *See*—
Roller bit.
Bitt-chock. C. G. Halpine. 2,098,238; Nov. 9.
Block or slab molding means and method. G. L. Barnes. 2,098,929; Nov. 9.
Bobbin and producing the same. D. G. Baker. 2,098,218; Nov. 9.
Bobbins, Making wound. D. G. Baker. 2,098,219; Nov. 9.
Bolt cushioning means for locks. W. S. Edwards 2,098,776; Nov. 9.
Bottle. F. C. Curley. 2,098,823; Nov. 9.
Box: *See*—
Cardboard box. Rural mail box.
Bracket: *See*—
Strainer bracket.
Brake: *See*—
Hoist brake. Vehicle brake.
Brake control, Automatic. J. F. Bannon and C. W. Bigler. 2,098,736; Nov. 9.
Brake. R. A. Goepfrich. 2,098,657; Nov. 9.
Brake. J. G. Hawley. 2,098,660; Nov. 9.
Brake. V. W. Kliesrath. 2,098,665; Nov. 9.
Brake. L. E. LaBrie. 2,098,666; Nov. 9.
Brake. J. W. Tatter. 2,098,681; Nov. 9.
Brake and mounting, Coaster. E. W. Glacy. 2,098,704; Nov. 9.
Brake apparatus, Hydraulic. E. G. Carroll. 2,098,653; Nov. 9.
Brake apparatus, Trailer. F. J. Machovec. 2,098,458; Nov. 9.
Brake control. F. C. Baird. 2,098,481; Nov. 9.
Brake drum, Water-cooled. W. G. Fitzpatrick and S. W. Webster. 2,098,490; Nov. 9.
Brake operating mechanism. G. G. Ingalls. 2,098,546; Nov. 9.
Brooch. M. Belloch. 2,098,820; Nov. 9.
Brooder. B. W. Warner. 2,098,475; Nov. 9.
Butling machine. G. E. McLaughlin and W. E. Broughton. 2,098,506; Nov. 9.
Building construction. R. M. Calkins and J. W. Swank. 2,098,717; Nov. 9.
Bumper for animals, Head. J. A. Caldwell. 2,098,614; Nov. 9.
Burner: *See*—
Fluid fuel burner. Gas burner.
Button, Tufting. W. B. Mathewson. 2,098,786; Nov. 9.
By-pass arrangement. H. A. Reynolds. 2,098,712; Nov. 9.
Cable, Apparatus for making. E. W. McKnight. 2,098,922; Nov. 9.
Calculating device. E. C. Wente. 2,098,326; Nov. 9.
Can or container. H. Sebell. 2,098,763; Nov. 9.
Can-weighing and sorting apparatus, Filled. W. R. Smith. 2,098,260; Nov. 9.
Caps, Making closure. W. P. White. 2,098,906; Nov. 9.
Car construction, Railway. H. M. Pflager. 2,098,516; Nov. 9.
Carbonaceous materials, Hydrogenating distillable. M. Pier, W. Simon, and W. Kroenig. 2,098,400; Nov. 9.
Card, Control. L. E. Lentz. 2,098,345; Nov. 9.
Cardboard box. E. L. Moore. 2,098,508; Nov. 9.
Carton. E. A. Walther. 2,098,639; Nov. 9.
Cartridge stop for machine guns. N. K. Turnbull. 2,098,264; Nov. 9.
Cartridges, Method and apparatus for charging blasting. F. H. Armstrong. 2,098,529; Nov. 9.
Case construction, Cigarette. A. F. Reilly. 2,098,930; Nov. 9.
Cashew nut shell liquid, Destructively distilling. M. T. Harvey. 2,098,824; Nov. 9.
Catch for use in detachably securing the ends of bracelets, chains and other articles together. A. Micallef. 2,098,461; Nov. 9.
Cathode ray device. A. B. du Mont. 2,098,231; Nov. 9.
Cellulose acetate composition. J. Rivkin. 2,098,362; Nov. 9.
Cellulose derivatives and products obtained therefrom, Manufacture of. H. Dreyfus. 2,098,336; Nov. 9.
Cellulosic materials, Treating. D. de Goenez and E. C. Tarnuzzer. 2,098,775; Nov. 9.
Cement or binder material. P. S. Barnhart. 2,098,221; Nov. 9.
Cement or bonding material, Making. P. S. Barnhart. 2,098,222; Nov. 9.
Ceramic material. H. Pulfrich. 2,098,812; Nov. 9.
Chair: *See*—
Folding chair. Treatment chair.
Theater chair.
Chair. P. E. G. Ericson. 2,098,743; Nov. 9.
Chair capable of being piled up in a vertical direction. F. A. Schädler. 2,098,888; Nov. 9.
Channel cementing machine. W. L. MacKenzie. 2,098,253; Nov. 9.
Chassis, Delivery vehicle. G. S. Pirounoff. 2,098,357; Nov. 9.

Cheese, Manufacturing cream. C. P. Sharpless. 2,098,764; Nov. 9.
Cheese product, Manufacturing cream. C. P. Sharpless. 2,098,765; Nov. 9.
Chemical manufacture. H. D. Munson. 2,098,399; Nov. 9.
Chocking device for vehicle lifts. J. M. Cunneen. 2,098,376; Nov. 9.
Choking device, Automatic. C. D. Ammon. 2,098,479; Nov. 9.
Chuck and collet therefor, Tool-holding. H. G. Procunier. 2,098,675; Nov. 9.
Cigarette. C. S. Finnell. 2,098,619; Nov. 9.
Cigarette extinguisher. H. D. Edwards. 2,098,337; Nov. 9.
Circuit control device. W. Bogue. 2,098,771; Nov. 9.
Circuit, Electric. J. Plebanski. 2,098,757; Nov. 9.
Circuit for spare discharge devices. G. H. Rockwood, Jr. 2,098,310; Nov. 9.
Circuit interrupter, High voltage electric. H. V. Erben. 2,098,801; Nov. 9.
Circuits, Maintenance of program transmission. H. A. Affel. 2,098,329; Nov. 9.
Circuits, Railway track. H. G. Witmer. 2,098,848; Nov. 9.
Clamp and gauge, Combination. J. F. Holm. 2,098,686; Nov. 9.
Clasp. R. W. Cook. 2,098,821; Nov. 9.
Cleaner: *See*—
Flue oven cleaner.
Cleaning and polishing composition. L. C. Allen and B. B. Doughty. 2,098,607; Nov. 9.
Cleaning device, Forming a suction. C. E. Stevens. 2,098,797; Nov. 9.
Clip for firearms, Cartridge. J. C. Garand. 2,098,234; Nov. 9.
Clock and calendar, Combination. J. C. Morris. 2,098,302; Nov. 9.
Closure for containers. R. W. Wilson. 2,098,799; Nov. 9.
Closure, Tearable. H. A. Skov. 2,098,555; Nov. 9.
Clothes drier. J. A. Billingsley. 2,098,853; Nov. 9.
Clothespin or like article. H. J. Peterson. 2,098,834; Nov. 9.
Clutch control mechanism. H. W. and E. R. Price. 2,098,674; Nov. 9.
Coal, Coating. H. R. Fife. 2,098,232; Nov. 9.
Coat and hat hook. H. E. Binder. 2,098,330; Nov. 9.
Communication system. H. J. Nichols. 2,098,305; Nov. 9.
Compass. A. F. Hegenberger and M. Isaacson. 2,098,241; Nov. 9.
Composite body. H. Pulfrich. 2,098,811; Nov. 9.
Compounds of cinchopen and its derivatives, Complex. F. W. Bramigk. 2,098,448; Nov. 9.
Compressor and muffler, Direct action air. J. R. Tucker. 2,098,474; Nov. 9.
Condenser: *See*—
Electrolytic condenser. Variable condenser.
Condensers, Arrangement in. B. Hansson. 2,098,746; Nov. 9.
Connecter: *See*—
Switch plug connecter. Swivel connecter.
Connecter. G. B. Benander. 2,098,800; Nov. 9.
Connection, Bottom strip seat frame. D. E. Sargent. 2,098,649; Nov. 9.
Contact seizure of metal parts, Preventing. A. L. Parker. 2,098,256; Nov. 9.
Container: *See*—
Battery container. Sealed container.
Food container.
Container. H. B. Lermer. 2,098,751; Nov. 9.
Container. A. R. Metzger. 2,098,690; Nov. 9.
Control, Automatic. J. J. Neuman. 2,098,591; Nov. 9.
Control device for heating systems. E. J. Dillman. 2,098,912; Nov. 9.
Control for air circulating means, System of. D. J. Jones. 2,098,806; Nov. 9.
Control mechanism for pumps. H. W. Landenberger. 2,098,425; Nov. 9.
Control of amplification, Automatic. H. Bartels. 2,098,370; Nov. 9.
Control of signaling circuits. D. Mitchell. 2,098,350; Nov. 9.
Control system. L. R. Allison. 2,098,819; Nov. 9.
Control system. P. S. Dickey. 2,098,913; Nov. 9.
Control system. H. H. Gorrie. 2,098,914; Nov. 9.
Control system. H. Hootz. 2,098,804; Nov. 9.
Control system for elevators. A. Pinto. 2,098,792; Nov. 9.
Control system, Remote. E. J. Blake. 2,098,910; Nov. 9.
Control unit, Master. L. M. Keefe. 2,098,248; Nov. 9.
Cot. W. B. Tucker. 2,098,603; Nov. 9.
Counting mechanism, Electrically controlled. P. G. Krippner, R. J. Helms, and A. G. Bur. 2,098,872; Nov. 9.
Coupling. S. J. Jones. 2,098,581; Nov. 9.
Coupling arrangement. E. Klotz and E. Zepler. 2,098,393; Nov. 9.
Coupling device. C. B. Kennedy. 2,098,423; Nov. 9.
Coupling element, High frequency. H. Rinia and T. A. Spoor. 2,098,403; Nov. 9.
Coupling for fire alarm circuits, Fusible. G. D. Stauffer. 2,098,680; Nov. 9.
Coupling for lubricators. W. G. Nord. 2,098,514; Nov. 9.
Cover: *See*—
Slip cover.
Covering, Flexible board wood floor. A. Elmendorf. 2,098,777; Nov. 9.
Crane. R. E. Ljungkull. 2,098,299; Nov. 9.
Crane, Full circle boom. J. Halley. 2,098,237; Nov. 9.
Crank cases, Strengthening. H. Gilmore. 2,098,451; Nov. 9.
Crank, Register set-back. W. H. Parker, N. J. Selbert, and G. J. Genung. 2,098,730; Nov. 9.
Cultivator. E. R. Kenyon. 2,098,726; Nov. 9.
Current motor control, Alternating. A. Pinto. 2,098,793; Nov. 9.
Curtain fixture. J. F. Levan. 2,098,827; Nov. 9.
Cuspidor, Dental. J. A. Saffir. 2,098,932; Nov. 9.
Cutter: *See*—
Operating seam cutter. Wire cutter.
Strip cutter.
Cutter and advertising device, Combined. R. D. Elliott. 2,098,863; Nov. 9.
Cyclopropane, Synthesis of. H. B. Hass and G. E. Hinds. 2,098,239; Nov. 9.
Cylinder head, Air-cooled. M. Christian. 2,098,741; Nov. 9.
Dam, Oral airway. J. P. Henahan. 2,098,340; Nov. 9.
Dampener, Sucker rod impulse and impact. J. C. Hinkle and F. E. Schelder. 2,098,290; Nov. 9.
Damper, Link type dynamic. C. C. De Pew. 2,098,571; Nov. 9.
De-icing means for aircraft. R. Chilton. 2,098,566; Nov. 9.
Dental apparatus. T. F. Prather. 2,098,732; Nov. 9.
Dental appliance. M. Staunt. 2,098,317; Nov. 9.
Dental floss holder. C. E. Bluhm. 2,098,610; Nov. 9.
Deodorizer. J. D. Keillor. 2,098,294; Nov. 9.
Derivatives of polyhydroxy compounds, Manufacture of. H. Dreyfus. 2,098,335; Nov. 9.
Device for hardening structures produced from hide substance. O. W. Becker. 2,098,852; Nov. 9.
Diagnostic instrument. L. L. Gagnon. 2,098,702; Nov. 9.
Die: *See*—
Pulling die.
Dimethylfurane, Preparation of. G. A. Perkins and W. J. Toussaint. 2,098,592; Nov. 9.
Direction wireless system. J. Plebanski. 2,098,756; Nov. 9.
Directional inclination recorder. H. B. Webster. 2,098,476; Nov. 9.
Discharger for projectiles. R. C. Coupland. 2,098,229; Nov. 9.
Dispenser. F. Le Boeuf. 2,098,344; Nov. 9.
Dispensing device. J. Welsh. 2,098,477; Nov. 9.
Dispensing receptacle. W. B. W. Mann. 2,098,550; Nov. 9.
Display device. M. P. Exline and W. F. Beale. 2,098,450; Nov. 9.
Display device. S. Ruben. 2,098,519; Nov. 9.
Display holder. A. C. Handler and M. H. Wansky. 2,098,543; Nov. 9.
Display rack. A. H. Ludwick. 2,098,828; Nov. 9.
Distance finder. W. L. Walker. 2,098,266; Nov. 9.
Distance, System of indicating. E. W. Gent. 2,098,287; Nov. 9.
Distillation process, Continuous pressure. O. C. Brewster, M. G. Paulus, and A. E. Thompson. 2,098,772; Nov. 9.
Distributing frame. F. W. Treptow. 2,098,321; Nov. 9.
Dividing bar. S. C. Awbrey. 2,098,714; Nov. 9.
Doll. E. G. Schaeffer. 2,098,925; Nov. 9.
Door closer. W. S. Richmond. 2,098,837; Nov. 9.
Door closing and checking device. D. R. Lasler. 2,098,501; Nov. 9.
Door holder. R. Hornung. 2,098,783; Nov. 9.
Door indicating device. H. H. Starks. 2,098,471; Nov. 9.
Drafting instrument. R. H. Cutting. 2,098,616; Nov. 9.
Drier: *See*—
Clothes drier.
Driers in drying oil alkyd-nitrocellulose blends, Incorporating metallic. W. R. Marshall. 2,098,503; Nov. 9.
Drill grinding machine. R. C. Weishamped. 2,098,267; Nov. 9.
Drive for motor vehicle axles, Power. E. J. Gould. 2,098,645; Nov. 9.
Dump body. R. T. Osman. 2,098,670; Nov. 9.
Dyes and their preparation, Azo. S. Coffey, M. Lapworth, and W. A. Sexton. 2,098,276; Nov. 9.
Dyeing machine. J. Schmitz, Jr. 2,098,890; Nov. 9.
Dyestuff for cotton, Yellow substantive. M. Schubert. 2,098,599; Nov. 9.
Dyestuffs, Azo. H. Hopff and A. Weickmann. 2,098,782; Nov. 9.
Dyestuffs, Grinding. I. T. Thornton. 2,098,798; Nov. 9.
Dyestuffs of the anthraquinone series, Vat. P. Nawiasky, A. Ehrhardt, and K. Saftlen. 2,098,590; Nov. 9.
Dyestuffs, Water-soluble azo. E. Fischer and R. Huss. 2,098,643; Nov. 9.
Earth, Method of lurd burning diatomaceous. R. W. Schmidt. 2,098,762; Nov. 9.

Educational apparatus. E. H. Lewis. 2,098,646; Nov. 9.
Electrical contact member for conduits. M. J. De Mask. 2,098,414; Nov. 9.
Electrical control. I. E. McCabe. 2,098,397; Nov. 9.
Electrical discharge apparatus. J. L. H. Jonker and K. M. Van Gessel. 2,098,807; Nov. 9.
Electrical measuring system. E. D. Doyle. 2,098,574; Nov. 9.
Electrical switch. C. W. Thompson. 2,098,473; Nov. 9.
Electrocardiograph apparatus. L. F. Southwick. 2,098,695; Nov. 9.
Electrocuting trap. E. A. Lindsley. 2,098,647; Nov. 9.
Electrolytic condenser. P. R. Coursey and C. H. Marcus. 2,098,774; Nov. 9.
Electrolytic condenser. A. Georgiev. 2,098,745; Nov. 9.
Electromagnet. W. G. Schneider. 2,098,926; Nov. 9.
Electronic apparatus. F. B. Aubert and J. Rossetti. 2,098,217; Nov. 9.
Embroidered fabric. J. Schlfter. 2,098,259; Nov. 9.
Enclosed switch. C. E. Hanny. 2,098,579; Nov. 9.
Enclosure, Foldable. J. W. Smith. 2,098,469; Nov. 9.
Engine: *See*—
Internal combustion engine.
Engine cooling and cowling. R. Chilton. 2,098,565; Nov. 9.
Engine starting apparatus. J. A. Charter. 2,098,226; Nov. 9.
Engines, Supercharger mechanism for internal combustion. H. Caminez and N. H. Gilman. 2,098,718; Nov. 9.
Expansion joint. J. H. Jacobson. 2,098,292; Nov. 9.
Extension table. N. S. Giles. 2,098,233; Nov. 9.
Eyeglass construction. G. E. Nerney. 2,098,512–13; Nov. 9.
Fabric: *See*—
Embroidered fabric. Pile fabric.
Fabric, Method of knitting. C. Moses. 2,098,303; Nov. 9.
Fan construction. B. B. Cary. 2,098,640; Nov. 9.
Fan, Ventilating. M. A. Smith, Jr. 2,098,407; Nov. 9.
Fastener: *See*—
Resilient fastener. Separable fastener.
Fastener for closures. C. N. Curtis. 2,098,569; Nov. 9.
Fasteners, Making separable. G. Sundback. 2,098,651; Nov. 9.
Fever, Method of and apparatus for creating an artificial. E. C. Sittler. 2,098,316; Nov. 9.
Fever, Method of and apparatus for creating an artificial. C. F. Kettering and E. C. Sittler. 2,098,295; Nov. 9.
Fibrous materials, Cleaning. K. Stickdorn. 2,098,527; Nov. 9.
File, Recipe. H. G. Lane. 2,098,394; Nov. 9.
Film drive mechanism. A. Heine. 2,098,387; Nov. 9.
Film driving apparatus. W. A. Black. 2,098,215; Nov. 9.
Film printing machine, Moving picture. R. V. Wood. 2,098,367; Nov. 9.
File, Rotary. S. T. Freas. 2,098,865; Nov. 9.
Filter: *See*—
Oil filter.
Filter, Recharging a pressure. C. F. Tears. 2,098,766; Nov. 9.
Firearm. J. Browning. 2,098,562; Nov. 9.
Fishing reel. W. Shakespeare, Jr. 2,098,404; Nov. 9.
Flash lamp. F. R. Meginniss. 2,098,507; Nov. 9.
Flue oven cleaner. F. J. Ayers. 2,098,898; Nov. 9.
Fluid fuel burner. E. J. Lattner. 2,098,455; Nov. 9.
Fluid heater. C. D. Jones. 2,098,498; Nov. 9.
Folding chair. W. C. Rastetter. 2,098,711; Nov. 9.
Folding table. K. G. Johanson. 2,098,826; Nov. 9.
Food container, Combination. F. F. Pfefferkorn and C. A. Stevens. 2,098,356; Nov. 9.
Food substances, Method and material for retarding oxidation and rancidity in. H. A. Mattill and H. S. Olcott. 2,098,254; Nov. 9.
Foot pad. W. M. Schell. 2,098,312; Nov. 9.
Footwear, Making. F. F. Olson. 2,098,354; Nov. 9.
Footwear, Rubber soled. N. E. Bovay. 2,098,412; Nov. 9.
Form, Manifolding. A. R. Lawson and L. Huffman. 2,098,706; Nov. 9.
Fountain pen valve. A. N. Andrews. 2,098,528; Nov. 9.
Frame: *See*—
Distributing frame. Gill drawing frame.
Frame for building construction, Metallic. W. Walt. 2,098,734; Nov. 9.
Fuel burning installation, Liquid. H. A. Romp. 2,098,760; Nov. 9.
Fuel line clearing and vapor lock removing device. F. C. Dalton. 2,098,720; Nov. 9.
Fuels to internal combustion machines, System for feeding. F. Flamini. 2,098,575; Nov. 9.
Fungicidal and insecticidal compositions. P. D. Peterson. 2,098,257; Nov. 9.
Furnace: *See*—
Glass melting furnace. Reverberatory furnace.
Regenerative furnace.
Furnace control, Reversing. F. H. Loftus. 2,098,585; Nov. 9.
Furnace electrode control, Automatic electric arc. W. H. Payne. 2,098,672; Nov. 9.
Furnace wall. C. L. Myers. 2,098,430; Nov. 9.
Fuse. W. O. Schultz. 2,098,433; Nov. 9.
Fuse link, Electrical. O. H. Jung and P. E. Heffelfinger. 2,098,664; Nov. 9.
Game. B. L. Fisher. 2,098,417; Nov. 9.
Game apparatus. V. F. Slezak. 2,098,406; Nov. 9.
Game apparatus. H. G. Traver. 2,098,320; Nov. 9.
Game apparatus, Mechanical. H. S. Williams. 2,098,410; Nov. 9.
Game apparatus, Punchboard. H. L. Smith. 2,098,434; Nov. 9.
Gas and combustion thereof, Production of. A. E. Knowlton. 2,098,629; Nov. 9.
Gas burner. P. S. Harper. 2,098,659; Nov. 9.
Gas discharge device. A. Engelmann and G. Wolf. 2,098,380; Nov. 9.
Gaseous discharge device. R. M. Somers. 2,098,679; Nov. 9.
Gasoline saver. W. M. Irvin. 2,098,391; Nov. 9.
Gate construction. J. H. Fraser. 2,098,284; Nov. 9.
Gauge for counting typewritten characters. H. L. Wadsworth. 2,098,323; Nov. 9.
Gauge for measuring the alignment of vehicle wheels. W. J. Johnston. 2,098,749; Nov. 9.
Gear: *See*—
Spur gear.
Gear elements, Machine for generating throated. E. W. Miller. 2,098,428; Nov. 9.
Gear shaft mechanism. D. L. Maker and H. E. Fidler. 2,098,708; Nov. 9.
Generator: *See*—
Oscillation generator. Steam generator.
Gill-drawing frame. W. Holdsworth. 2,098,781; Nov. 9.
Glass in a forehearth, Controlling the temperature and condition of. W. T. Honiss. 2,098,625; Nov. 9.
Glass melting furnace. J. A. Tassick. 2,098,440; Nov. 9.
Glass transfer mechanism. G. R. Haub. 2,098,624; Nov. 9.
Glassware forming machine. L. D. Soubier. 2,098,435; Nov. 9.
Glow discharge device. H. E. Mendenhall. 2,098,301; Nov. 9.
Gold and/or silver from ores, etc., Extracting. B. K. Read, J. S. Godard, and W. N. Hall. 2,098,835; Nov. 9.
Golf club. W. L. Wettlaufer. 2,098,445; Nov. 9.
Governor. N. M. McCullough and C. C. Cook. 2,098,505; Nov. 9.
Grain, Apparatus for processing. W. A. Seymour. 2,098,521; Nov. 9.
Grain product, Manufacture of shredded. J. R. Hill. 2,098,544; Nov. 9.
Grinder. C. D. Ammon. 2,098,480; Nov. 9.
Grinding machine for grinding non-circular shapes. E. Stubbs. 2,098,438; Nov. 9.
Grits, and making same, Dustless. F. L. Jefferies. 2,098,293; Nov. 9.
Guard for bicycles, Wheel and chain. J. R. Morgan. 2,098,510; Nov. 9.
Guide for flush valves, Centering. G. C. Kinsfather. 2,098,687; Nov. 9.
Gun, Compressed air. I. D. Kelley, Jr. 2,098,454; Nov. 9.
Guns having means for horizon-adjustment. E. Müller. 2,098,352; Nov. 9.
Gynecological calculating device G. B. Gronvold. 2,098,622; Nov. 9.
Gyroscope, Magnetic directional. L. F. Carter and C. A. Frische. 2,098,564; Nov. 9.
Hair clipping implement. T. Steinbach. 2,098,437; Nov. 9.
Hair waving appliance. L. Quinio. 2,098,593; Nov. 9.
Hand operated loom. D. C. Churchill. 2,098,449; Nov. 9.
Handle: *See*—
Valve handle.
Handle adjustment for brooms and similar implements. C. F. and H. C. L. Mason. 2,098,348; Nov. 9.
Handle and like fastening, Door. R. Grimmond. 2,098,868; Nov. 9.
Handle mechanism. B. F. Johnson. 2,098,421; Nov. 9.
Handlebar grip. J. R. Morgan. 2,098,509; Nov. 9.
Harvester attachment for tractors. E. Creech. 2,098,860; Nov. 9.
Heat exchange device. W. W. Paget. 2,098,671; Nov. 9.
Heat transfer system, Self regulated. S. P. Miller. 2,098,462; Nov. 9.
Heat treating apparatus. L. B. Rosseau. 2,098,813; Nov. 9.
Heater: *See*—
Fluid heater. Water heater.
Heater, Fabricating an automobile. A. W. McNeish. 2,098,787; Nov. 9.
Heating system. F. A. Furlong. 2,098,383; Nov. 9.
Heel construction, Shoe. R. D. MacDonald. 2,098,346; Nov. 9.
Heel drilling fixture. H. Gordon and A. C. Rogge. 2,098,288; Nov. 9.
Heel, Rubber. R. Conticchio. 2,098,277; Nov. 9.
Heels to shoes, Attaching. R. S. Megathlin. 2,098,349; Nov. 9.
Hoist. F. R. Ramsey. 2,098,308; Nov. 9.
Hoist brake. M. T. Knutzen. 2,098,342; Nov. 9.
Hoist, Motor vehicle. J. D. Handley. 2,098,419; Nov. 9.
Hoisting device. S. M. Nampa. 2,098,511; Nov. 9.
Holder: *See*—
Dental floss holder. Door holder.
Display holder. Stamp holder.
Holder for cable rings. F. E. Jackson. 2,098,420; Nov. 9.

Holder for looms, Reed. S. L. Webster. 2,098,769; Nov. 9.
Holder structure, Key. C. Schraysshuen. 2,098,604; Nov. 9.
Hook: *See*—
Coat and hat hook. Safety hook.
Hose jack. L. J. Kick. 2,098,548; Nov. 9.
Hosiery, Knitting of inside-out. J. S. Chipman. 2,098,740; Nov. 9.
Hosiery on flat knitting machines, Manufacture of full-fashioned. J. S. Chipman. 2,098,739; Nov. 9.
Ice, Apparatus for producing individual masses of. B. H. T. Mulch. 2,098,753; Nov. 9.
Indicator: *See*—
Angular motion indicator.
Indicator for jig boring machines, Work locating. J. M. Rusmak. 2,098,838; Nov. 9.
Information finder, Rotatable. C. A. Hathaway. 2,098,933; Nov. 9.
Inhibitive compound. A. H. Fiske. 2,098,744; Nov. 9.
Inking mechanism for rotary intaglio printing machines. R. A. Krahmer. 2,098,750; Nov. 9.
Innersole. R. M. Lehner. 2,098,502; Nov. 9.
Insecticide. I. L. Ressler. 2,098,836; Nov. 9.
Internal combustion engine. M. Mallory. 2,098,875; Nov. 9.
Jack: *See*—
Hose jack.
Jar, Rotary. W. L. Foster and J. J. Santiago. 2,098,401; Nov. 9.
Joint: *See*—
Expansion joint. Universal joint.
Spectacle joint.
Joist support. E. Carlson. 2,098,485; Nov. 9.
Key cutting machine. S. A. McPhee. 2,098,728; Nov. 9.
Knife, Pocket. G. Schrade. 2,098,678; Nov. 9.
Knitting machine. H. Agulnek. 2,098,446; Nov. 9.
Lamp: *See*—
Flash lamp.
Lamp and manufacture thereof, Incandescent electric. R. M. Zabel. 2,098,907; Nov. 9.
Lamps, Treating. F. Kallus. 2,098,582; Nov. 9.
Lasting machine. A. F. Pym. 2,098,358; Nov. 9.
Lead, Making colloidal. D. M. Phillippi and J. E. Wilson. 2,098,710; Nov. 9.
Leather substitute. R. Morgan. 2,098,788; Nov. 9.
Leather substitute. R. Morgan. 2,098,789; Nov. 9.
Leveling machine. E. E. Winkley. 2,098,366; Nov. 9.
Lifeboat propelling mechanism. C. W. Allen. 2,098,606; Nov. 9.
Light shield for cameras, etc. C. A. Watrous. 2,098,843; Nov. 9.
Lines of type matter in phototype composing, Justification of. L. Wenczler. 2,098,928; Nov. 9.
Lining, Tunnel. A. Foukal. 2,098,015; Nov. 9.
Lister Planters, Attachment for. G. Campbell. 2,098,738; Nov. 9.
Lighting fixture, Electric. A. J. Parissi. 2,098,631; Nov. 9.
Liquid mixtures, Apparatus for the purification of miscellaneous. A. Berges. 2,098,608; Nov. 9.
Liquid pasteurizing apparatus. A. B. Juhasz. 2,098,663; Nov. 9.
Liquids from phenols and other accompanying substances, Purification of aqueous. P. H. Gericke, P. Herold, H. Kratz, and E. Vogt. 2,098,779; Nov. 9.
Litharge, Making sublimed. B. S. White. 2,098,268; Nov. 9.
Load allocating device. W. A. Carter. 2,098,654; Nov. 9.
Lock: *See*—
Nut lock. Universal bolt lock.
Lock for railways, Switch. A. E. Shirley. 2,098,796; Nov. 9.
Lock mechanism for automatic guns. A. J. Lahti. 2,098,727; Nov. 9.
Lock operating means, Automobile door. J. P. Jones. 2,098,871; Nov. 9.
Loom: *See*—
Hand operated loom.
Loom picker. F. W. Merrick. 2,098,589; Nov. 9.
Looseleaf device. A. M. Rabinof. 2,098,794; Nov. 9.
Lubricating device. A. Y. Dodge and H. R. Tear. 2,098,377; Nov. 9.
Lubricating device. J. A. Watson. 2,098,408; Nov. 9.
Lubricating device and method of manufacture. A. Y. Dodge. 2,098,379; Nov. 9.
Lubricator: *See*—
Rail lubricator.
Machine for cleaning vessels, particularly bottles. F. Stegemann. 2,098,526; Nov. 9.
Machine for tie plates, Automatic. N. F. Foner. 2,098,576; Nov. 9.
Machine for treating seed grain. J. H. Dostert. 2,098,618; Nov. 9.
Mallet, Mechanical. H. D. Greenberg. 2,098,495; Nov. 9.
Manifold, Fuel equalizing. P. Kolimbat. 2,098,424; Nov. 9.
Manifolding attachment for writing machines. H. Ziegler. 2,098,368; Nov. 9.
Manifolding machine. A. A. Johnson. 2,098,496; Nov. 9.
Material, Apparatus for delivering and weighing predetermined quantities of. T. O. Ward and S. Eaton. 2,098,324; Nov. 9.
Material, Auto top. M. N. Nickowitz. 2,098,754; Nov. 9.
Material, Device for handling frozen. J. S. Knight. 2,098,250; Nov. 9.
Material, Distributing. H. Y. Satterlee. 2,098,887; Nov. 9.
Material working apparatus. J. S. Barnes, P. R. Guirl, and G. C. Johnson. 2,098,220; Nov. 9.
Matrix, Typographical. H. R. Freund. 2,098,916; Nov. 9.
Measuring apparatus. T. R. Harrison. 2,098,685; Nov. 9.
Measuring apparatus. H. E. Weaver. 2,098,325; Nov. 9.
Meat tenderer. J. E. Bridges. 2,098,856; Nov. 9.
Merchandise display table. L. S. Janes, J. G. Raben, and J. Nielsen. 2,098,453; Nov. 9.
Metal body, Clad. F. H. Driggs. 2,098,282; Nov. 9.
Mixer: *See*—
Plaster mixer.
Moistureproof article. W. H. Charch, M. M. Brubaker, and F. M. Melgs. 2,098,534–42; Nov. 9.
Mold: *See*—
Tire mold.
Mold for manufacturing composite vitreous tile and concrete staves. P. C. Fish. 2,098,382; Nov. 9.
Motor for rotary spindle machines, Hydraulic. E. K. Benedek. 2,098,213–14; Nov. 9.
Mounting, Sump pump. L. E. Golinick. 2,098,621; Nov. 9.
Musical instrument. A. Loomis. 2,098,457; Nov. 9.
Nitrogen in alloy steels, Incorporating. G. F. Comstock and V. V. Efimoff. 2,098,567; Nov. 9.
Nozzle for shoe channel cementing machines. W. L. Mac Kenzie. 2,098,347; Nov. 9.
Nozzle, Spray. E. Cooper and T. C. Shiels. 2,098,487; Nov. 9.
Nut lock. A. Thode. 2,098,840; Nov. 9.
Odorizing apparatus and method for gas lines. F. A. Hough. 2,098,626; Nov. 9.
Oil filter. J. E. Hurn. 2,098,725; Nov. 9.
Oil level control, Synchronized. J. A. and C. H. Rook. 2,098,883; Nov. 9.
Operating seam cutter. S. M. Crewdson. 2,098,899; Nov. 9.
Optical instrument. W. Günther. 2,098,917; Nov. 9.
Organic compounds, Nitrogen containing. M. A. Dahlen. 2,098,861; Nov. 9.
Oscillation generator. C. W. Hansell. 2,098,386; Nov. 9.
Oven. O. T. Myers and A. Emily. 2,098,729; Nov. 9.
Overshot. W. L. Church. 2,098,332; Nov. 9.
Packer. W. J. Brundred, W. E. Crowley, and R. B. Bossler. 2,098,484; Nov. 9.
Pad: *See*—
Foot pad.
Pad and preparing same, Copying. W. Hoskins, Jr. 2,098,662; Nov. 9.
Paper or like material, Laminated sheet of. P. S. Barnhart. 2,098,223; Nov. 9.
Paper, Treating. H. Carew. 2,098,533; Nov. 9.
Parachute, Automatic. H. A. Burgess. 2,098,613; Nov. 9.
Pencil manufacture, Lead. K. M. Herstein. 2,098,452; Nov. 9.
Phonograph, Robot. L. J. Andres. 2,098,216; Nov. 9.
Photographic material. W. Schneider and G. Wilmanns. 2,098,891; Nov. 9.
Photographic process with exposure diminution. L. T. Troland. 2,098,441–2; Nov. 9.
Photography, Color. S. D. Threadgold. 2,098,602; Nov. 9.
Picture apparatus, Double simultaneous motion. R. Thomas. 2,098,767; Nov. 9.
Pile fabric. W. A. Rice and F. G. Shinn. 2,098,595; Nov. 9.
Pipe cleaning apparatus, Beer. C. C. Smith. 2,098,525; Nov. 9.
Pipe handling tool. L. F. Bansh. 2,098,369; Nov. 9.
Pipe sleeve with floor and ceiling plate, Adjustable. J. Hutchinson. 2,098,389; Nov. 9.
Pipe union. W. S. Moffitt. 2,098,669; Nov. 9.
Pistom expander. L. D. Hax. 2,098,447; Nov. 9.
Piston ring. F. A. Luthy. 2,098,901–2; Nov. 9.
Piston rings, Making. R. S. Newton. 2,098,790; Nov. 9.
Piston structure, Floating. F. F. Bronson. 2,098,612; Nov. 9.
Planetarium. B. A. La Grasse. 2,098,296; Nov. 9.
Plank, Spring. R. R. Winship. 2,098,328; Nov. 9.
Plaster base. A. V. Spinosa. 2,098,261; Nov. 9.
Plaster mixer. B. D. Bonham. 2,098,483; Nov. 9.
Plated article. W. J. Wrighton. 2,098,411; Nov. 9.
Plating by needle deflection, Mechanism and process for effecting reverse. J. and R. H. Lawson. 2,098,297; Nov. 9.
Plow. C. G. Strandlund. 2,098,472; Nov. 9.
Plug: *See*—
Bandless Jordan plug. Spark plug.
Plyboard. J. W. Sale. 2,098,733; Nov. 9.
Pole, Skeleton. L. Lawton. 2,098,343; Nov. 9.
Powder filling machine. C. J. Westin and A. Donaghy, Sr. 2,098,905; Nov. 9.
Powder, Flashlight. A. Kälber. 2,098,341; Nov. 9.
Power plant, Hydraulic. J. M. Nash. 2,098,876; Nov. 9.
Printer. A. V. Bedford. 2,098,371; Nov. 9.
Projecting apparatus. E. C. Schattschneider. 2,098,311; Nov. 9.
Protective system. H. J. Robinson and R. F. Harrison. 2,098,309; Nov. 9.

Protective systems. R. R. Goodrich. 2,098,384; Nov. 9.
Protector for air brakes, Exhaust port. L. A. Safford. 2,098,885–6; Nov. 9.
Protector for permanent hair waving apparatus, Air-cooled. G. Turco. 2,098,768; Nov. 9.
Pully attachment for tractors. C. E. Frudden. 2,098,492; Nov. 9.
Pulling die. A. Solosko. 2,098,470; Nov. 9.
Pump: *See*—
Rotary pump.
Pump and reservoir for centralized lubricating systems, Combined. E. W. Davis. 2,098,570; Nov. 9.
Pump testing apparatus. E. J. and J. H. O. Saballus. 2,098,677; Nov. 9.
Rack: *See*—
Display rack. Toggery rack.
Radio receivers, Automatic operation of plurality of. J. Markowitz. 2,098,587; Nov. 9.
Radio transmitting system. E. H. Armstrong. 2,098,698; Nov. 9.
Rail lubricator. H. J. Perazzoli. 2,098,791; Nov. 9.
Railways and the like, Electric control and indication of point operating mechanisms for. R. M. MacGregor and D. G. Shipp. 2,098,707; Nov. 9.
Rake. H. K. Depue. 2,098,572; Nov. 9.
Range, Kitchen. G. E. Pickup. 2,098,464; Nov. 9.
Rat trap, Electric. E. B. Rousseau. 2,098,884; Nov. 9.
Razor and sharpener, Combination safety. J. Polillo. 2,098,465; Nov. 9.
Razor, Dry safety. M. Amsler. 2,098,849; Nov. 9.
Razor, Motor driven. A. Mattson, J. I. Smith, and E. Frans. 2,098,504; Nov. 9.
Razor with resilient detachable support, Safety. F. and E. Ebert. 2,098,862; Nov. 9.
Razors and other articles, Apparatus for polishing. C. F. Ern, Jr. 2,098,283; Nov. 9.
Reaction product of an ester-like wax and a base. L. Orthner and H. Keppler. 2,098,551; Nov. 9.
Receptacle: *See*—
Dispensing receptacle.
Receptacle. J. W. Busson and G. C. Thompson. 2,098,858; Nov. 9.
Receptacle and identification carrier therefor. T. A. W. Thomas. 2,098,557; Nov. 9.
Reclaiming method. F. W. Hall and N. R. Wilson. 2,098,385; Nov. 9.
Record controlled machine. R. E. Page. 2,098,355; Nov. 9.
Record transfer device for automatic phonographs. J. H. Teaf. 2,098,601; Nov. 9.
Recorder: *See*—
Directional inclination recorder. Time recorder.
Recording unusual or accidental occurrences, Apparatus for automatically. E. Masson. 2,098,689; Nov. 9.
Reel: *See*—
Fishing reel.
Refractory material. J. D. Sullivan. 2,098,839; Nov. 9.
Refrigerating apparatus. E. B. Newill. 2,098,924; Nov. 9.
Refrigerating apparatus. L. A. Philipp. 2,098,731; Nov. 9.
Refrigerator. M. Hokanson. 2,098,724; Nov. 9.
Regenerative furnace. O. Reiner. 2,098,553; Nov. 9.
Register, Cash. H. W. Clark. 2,098,486; Nov. 9.
Register, Sales tax. C. H. Whitacre. 2,098,896; Nov. 9.
Regulating device for a combustion power engine coupled to an electric generator for vehicles. O. Schlüpfer. 2,098,761; Nov. 9.
Resilient fastener. D. D. Demarest. 2,098,721; Nov. 9.
Resin production. J. Rivkin. 2,098,361; Nov. 9.
Resins and method of making, Artificial. J. Harmon and F. M. Meigs. 2,098,869; Nov. 9.
Retaining means for loose aggregates. K. Slidell. 2,098,903; Nov. 9.
Reverberatory furnace. E. R. Marble. 2,098,586; Nov. 9.
Rheostat. H. L. Bradley and F. J. Haas. 2,098,273; Nov. 9.
Ring: *See*—
Piston ring.
Road joint machine. J. N. Heltzel. 2,098,870; Nov. 9.
Roll, Top. W. Stahlecker. 2,098,436; Nov. 9.
Roller bit. C. E. Reed. 2,098,758; Nov. 9.
Roller unit, Interchangeable duplex. L. Depovsek. 2,098,722; Nov. 9.
Roof construction, House. I. M. Brandjord. 2,098,855; Nov. 9.
Rotary pump. J. C. Buckbee. 2,098,652; Nov. 9.
Rotating machine. G. Hopfensberger. 2,098,244; Nov. 9.
Rubber articles, Process of and apparatus for moulding hollow. J. A. Law. 2,098,395; Nov. 9.
Rubber compound. J. D. Morron. 2,098,429; Nov. 9.
Rubber derivatives, Porous halogen containing. H. A. Winkelmann and W. C. Calvert. 2,098,365; Nov. 9.
Rural mail box. C. I. Holmes. 2,098,242; Nov. 9.
Saddle, Cribbing. F. J. Trumpour. 2,098,263; Nov. 9.
Safety device. H. A. Fine. 2,098,381; Nov. 9.
Safety device. S. O. Huntington. 2,098,805; Nov. 9.
Safety hook. E. Rodenbach. 2,098,466; Nov. 9.
Safety switch. W. Anderson. 2,098,559; Nov. 9.
Safety switch. H. J. Hammerly. 2,098,578; Nov. 9.
Saltcellar. A. H. Payson. 2,098,832; Nov. 9.
Sand roller bearing, Self-aligning. W. P. McGaha. 2,098,630; Nov. 9.
Sash balance. D. Rosenthal. 2,098,634; Nov. 9.
Scale, Weighing. M. J. Weber and R. E. Vanderhoff. 2,098,845–6; Nov. 9.
Screen. J. M. Trotcky. 2,098,322; Nov. 9.
Sealed container. C. S. Andrews. 2,098,818; Nov. 9.
Seamed structures, Making adhesively-secured. W. W. Rowe. 2,098,258; Nov. 9.
Seat back. H. S. Leader and H. P. Nordmark. 2,098,456; Nov. 9.
Selector. F. G. Nicolaus and C. J. Breitenstein. 2,098,353; Nov. 9.
Self-actuating valve. A. Van Veen. 2,098,815; Nov. 9.
Separable fastener. W. L. Gilmore. 2,098,338; Nov. 9.
Separator with discharge of the centrifuged substance through a hollow spindle. C. Schmitz. 2,098,889; Nov. 9.
Serum treatment for mange. H. J. Tingley. 2,098,637; Nov. 9.
Settling tank. W. W. Sayers and H. F. Watson. 2,098,467; Nov. 9.
Sewing machine. S. Zonis. 2,098,770; Nov. 9.
Sewing machine, Lockstitch. E. E. Winkley. 2,098,327; Nov. 9.
Sewing machine, Shoe. B. T. Leveque. 2,098,251; Nov. 9.
Sewing machine, Shoe. B. T. Leveque. 2,098,298; Nov. 9.
Sewing machine shuttle. A. R. Wood. 2,098,269; Nov. 9.
Sewing machines, Bobbin-thread case for. A. R. Wood. 2,098,270; Nov. 9.
Sewing machines, Lubricating means for. M. L. Waterman. 2,098,904; Nov. 9.
Shaft or rod for golf clubs or other sporting implements. R. H. Cowdery. 2,098,615; Nov. 9.
Sharpening device. S. Battocchi. 2,098,530; Nov. 9.
Shell, Aerial. E. Jeanis. 2,098,627; Nov. 9.
Shingle, Lock type. J. V. Donahue. 2,098,488; Nov. 9.
Ships, Stabilization of. W. L. Bazé. 2,098,531; Nov. 9.
Shock absorber. J. Mercier. 2,098,398; Nov. 9.
Shock absorber, Fluid. F. A. Deutsch. 2,098,415; Nov. 9.
Shock absorber, Hydraulic. F. A. Deutsch. 2,098,416; Nov. 9.
Shoe, Athletic. I. Shapiro. 2,098,468; Nov. 9.
Shoe heating machine. C. E. Hood. 2,098,243; Nov. 9.
Shoe, Cushion. F. M. Gilkerson. 2,098,235; Nov. 9.
Shoe gluing stand. J. F. Sottile. 2,098,313; Nov. 9.
Shoe heating. L. Yentis. 2,098,735; Nov. 9.
Shoes, Pressing. W. C. Card, Jr. 2,098,773; Nov. 9.
Shovel with adjustable handle. H. Z. Bishop. 2,098,609; Nov. 9.
Signal device. W. R. Curtiss. 2,098,742; Nov. 9.
Signaling and control system, Automatic railroad. C. W. W. Prescott. 2,098,401; Nov. 9.
Signaling apparatus, Railway. R. M. Gilson. 2,098,822; Nov. 9.
Signaling device based upon the spacing due to the speed, Railroad. R. A. Thot. 2,098,363; Nov. 9.
Signaling, Railway. R. A. McCann. 2,098,829; Nov. 9.
Signaling system and apparatus, Railway. S. Citterio and P. Vacchina. 2,098,719; Nov. 9.
Signaling system for railways and the like, Track circuit. L. H. Peter. 2,098,833; Nov. 9.
Silk, Artificial. H. T. Clarke and C. J. Malm. 2,098,228; Nov. 9.
Sleet on mobile bodies, Preventing the formation of. R. I. Bashford. 2,098,482; Nov. 9.
Sizing machine for battery grid plates. A. D. Lund. 2,098,808; Nov. 9.
Skirt, Divided. S. K. Pierce. 2,098,810; Nov. 9.
Sled. L. E. Reed. 2,098,880; Nov. 9.
Sleeve, Shirt. A. J. Wenzel. 2,098,847; Nov. 9.
Slip cover. W. L. Fry. 2,098,684; Nov. 9.
Sludge collector. G. L. Morehead. 2,098,463; Nov. 9.
Socket. W. K. Henning. 2,098,747; Nov. 9.
Socket, Lamp. F. R. Reutter. 2,098,594; Nov. 9.
Socket, Lamp. S. I. Spender. 2,098,600; Nov. 9.
Solvents, Apparatus for treating cleaning. L. E. Wesselmann. 2,098,713; Nov. 9.
Sound and picture apparatus, Combined. C. N. Batsel. 2,098,699–700; Nov. 9.
Sound, Method of and means for transmitting, recording, and reproducing. J. Tykocinski-Tykociner. 2,098,364; Nov. 9.
Sound translating apparatus. H. F. Hopkins. 2,098,291; Nov. 9.
Sound-transmission, sound-recording, and sound-reproducing system. A. D. Blumlein. 2,098,372; Nov. 9.
Sound transmitting system. E. Kammerer. 2,098,392; Nov. 9.
Space conditioner. L. W. Child. 2,098,375; Nov. 9.
Spacing mechanism. T. K. Walma. 2,098,816; Nov. 9.
Spacing mechanism for typewriting machines, Variable. C. C. Peters. 2,098,878; Nov. 9.
Spark plug. J. Devine. 2,098,934; Nov. 9.
Spectacle joint. G. L. Mandaville. 2,098,921; Nov. 9.
Spirometer. H. Dornseif. 2,098,280; Nov. 9.
Spray device. R. B. Simning. 2,098,523; Nov. 9.
Spreader tube. R. M. Cutts, Jr. 2,098,617; Nov. 9.
Spur gear. A. Forster. 2,098,864; Nov. 9.
Stabilizing device for aerial navigation machines. E. E. Oehmichen. 2,098,877; Nov. 9.

Stamp holder. C. A. Swanson. 2,098,814; Nov. 9.
Stand: *See*—
Shoe gluing stand.
Stapling machine. H. Dingle. 2,098,573; Nov. 9.
Starter, Engine. J. W. Fitz Gerald. 2,098,866; Nov. 9.
Station selector for radio receivers, Automatic. W. J. Bowman. 2,098,331; Nov. 9.
Stay, Box. E. H. Angier. 2,098,909; Nov. 9.
Steam generator. H. N. F. Verloop. 2,098,841; Nov. 9.
Steering device for automobiles. W. H. Furness. 2,098,778; Nov. 9.
Stenciling apparatus. F. B. McQuiston and E. M. Hommel. 2,098,588; Nov. 9.
Stereosonic effects, System for producing. G. L. Beers. 2,098,561; Nov. 9.
Stop motion for looms, Warp. E. W. Barrett. 2,098,560; Nov. 9.
Stop motion, Mechanical warp. T. C. Wagner. 2,098,444; Nov. 9.
Stopper for a hose, Leakage. E. Tamada. 2,098,556; Nov. 9.
Storage battery. C. Ambruster. 2,098,908; Nov. 9.
Strainer bracket, Sink. C. H. Bullock. 2,098,374; Nov. 9.
Strip cutter. J. E. Cook. 2,098,641; Nov. 9.
Stripping machine. D. Daneke. 2,098,413; Nov. 9.
Stuttering, Device for overcoming. W. B. Glisson. 2,098,867; Nov. 9.
Sugar manufacture. R. Whymper. 2,098,604; Nov. 9.
Supercharger. F. F. Kishline. 2,098,499; Nov. 9.
Support: *See*—
Joist support.
Support for a motor vehicle, Rear wheel. H. J. van Doorne and P. H. van der Trappen. 2,098,894; Nov. 9.
Support for lamps, Insulated. K. Wiegand and F. Göritz. 2,098,817; Nov. 9.
Surfacing machine. J. C. Temple. 2,098,262; Nov. 9.
Suspension, Individual. J. W. Leighton. 2,098,874; Nov. 9.
Switch: *See*—
Electrical switch. Safety switch.
Enclosed switch.
Switch. J. M. Gleason. 2,098,644; Nov. 9.
Switch operating apparatus, Railway. K. J. J. McGowan. 2,098,831; Nov. 9.
Switch plug connecter. P. B. Boone. 2,098,225; Nov. 9.
Swivel connecter. L. G. Nakich. 2,098,304; Nov. 9.
Swivel, Wire line. F. L. Pivoto. 2,098,518; Nov. 9.
Synchronizing system. F. Schröter. 2,098,598; Nov. 9.
Syringe. J. T. Goltman and J. W. Robbins. 2,098,658; Nov. 9.
Syringe. A. E. Smith. 2,098,524; Nov. 9.
Table: *See*—
Extension table. Merchandise display table.
Folding table.
Tabulating machine. L. C. Reynolds. 2,098,359; Nov. 9.
Tag package. W. Borchert. 2,098,611; Nov. 9.
Tamping machine. W. L. Velten. 2,098,895; Nov. 9.
Tank: *See*—
Settling tank.
Tank. O. N. Gredell. 2,098,577; Nov. 9.
Tap bush and forming the same. C. Sintz. 2,098,892; Nov. 9.
Target practicing device. H. Küppenbender, W. Winzenburg, R. Feigner, O. Fischer, and K. Kaden. 2,098,873; Nov. 9.
Teeth, Interchangeable. B. A. Lincoln. 2,098,584; Nov. 9.
Telepicture synchronizing system. W. G. H. Finch. 2,098,802; Nov. 9.
Telautograph receiver. A. J. Wohlgemuth. 2,098,605; Nov. 9.
Telegraphone and like apparatus. N. M. Rust and C. J. F. Tweed. 2,098,596; Nov. 9.
Telegraphy system with position indicator. L. L. E. Chauveau. 2,098,227; Nov. 9.
Telephone apparatus. C. N. Reifsteck and G. L. Dimmick. 2,098,402; Nov. 9.
Telephone system. W. W. Carpenter and O. Myers. 2,098,274; Nov. 9.
Television transmission system. M. J. E. Golay. 2,098,236; Nov. 9.
Television transmitting apparatus. H. Iams. 2,098,390; Nov. 9.
Temperature measuring system. I. M. Stein. 2,098,650; Nov. 9.
Tension control for elastic filaments, Constant. A. W. Keen and F. D. Chittenden. 2,098,422; Nov. 9.
Textile apparatus. R. H. J. Riley, R. Ashton, and H. Livesey. 2,098,360; Nov. 9.
Textile material, Treatment of. C. Dreyfus and W. Whitehead. 2,098,333; Nov. 9.
Theater chair. M. W. Hard. 2,098,623; Nov. 9.
Therapeutic apparatus. S. Benson. 2,098,272; Nov. 9.
Thermostat controlled valve. J. K. Lund. 2,098,252; Nov. 9.
Thio-ethers, Production of. W. Reppe and H. Ufer. 2,098,759; Nov. 9.
Thread and producing same, Artificial. G. M. Karns. 2,098,628; Nov. 9.
Thread, Apparatus for the production of artificial. O. S. Petrescu. 2,098,633; Nov. 9.
Thread treatment, Artificial. J. S. Fonda and G. W. Filson. 2,098,620; Nov. 9.
Threads, Apparatus for equalizing the tension of. R. S. Francis. 2,098,418; Nov. 9.
3-amino-quinaldine derivatives and preparing them. L. Schörnig. 2,098,927; Nov. 9.
Ticket severing means. R. T. Moloney. 2,098,351; Nov. 9.
Tie-plate assembly. N. F. Foner. 2,098,935; Nov. 9.
Tile, Drip point grid. F. M. Miller. 2,098,667; Nov. 9.
Time controlled system. E. B. Jackson. 2,098,547; Nov. 9.
Time recorder, Watchman's. A. C. Johnson and T. M. Wroble. 2,098,497; Nov. 9.
Timepiece, Self-winding. L. Bornfriend. 2,098,737; Nov. 9.
Tire mold. M. M. Lanyon. 2,098,688; Nov. 9.
Tire structure, Combined felly, rim, and dual pneumatic. P. N. Chinsson. 2,098,859; Nov. 9.
Titanium pigments, Manufacture of. R. Dahlstrom and L. W. Ryan. 2,098,278; Nov. 9.
Toggery rack. S. C. Awbrey. 2,098,715; Nov. 9.
Tool: *See*—
Pipe handling tool.
Toy animal nose piece. A. A. Gerling. 2,098,656; Nov. 9.
Traffic controlling apparatus, Railway. H. A. Wallace. 2,098,638; Nov. 9.
Transmission. P. W. Neff. 2,098,691; Nov. 9.
Transmission control in signaling systems. O. R. Garfield. 2,098,286; Nov. 9.
Transmission mechanism. S. Budlong. 2,098,716; Nov. 9.
Transmission, Single side band. E. S. Purington. 2,098,307; Nov. 9.
Trap: *See*—
Electrocuting trap. Rat trap.
Tray for recliner-back chairs. S. B. McDonald. 2,098,426; Nov. 9.
Tray release mechanism, Ice. S. W. E. Anderson. 2,098,850; Nov. 9.
Treatment chair. F. and F. Koenigkramer. 2,098,500; Nov. 9.
Trimming mechanism attachment. W. P. Gearty. 2,098,493; Nov. 9.
Truck. W. C. Hedgcock. 2,098,661; Nov. 9.
Truck, Car. J. S. McWhirter. 2,098,459; Nov. 9.
Truck structure, Railway. H. M. Pflager. 2,098,517; Nov. 9.
Tube: *See*—
Spreader tube. X-ray tube.
Tufting machine. W. B. Mathewson. 2,098,785; Nov. 9.
Turbine arrangement, Electric fluid. E. E. Harris. 2,098,803; Nov. 9.
Twisting machine. I. R. Rowe and E. E. Bradley. 2,098,931; Nov. 9.
Typewriting machine. C. Gabrielson and E. G. Moshier. 2,098,285; Nov. 9.
Typewriting machine. W. F. Helmond. 2,098,780; Nov. 9.
Typewriting machine. R. G. Thompson. 2,098,319; Nov. 9.
Ukulele. A. G. Cox. 2,098,701; Nov. 9.
Under-garment. P. H. Robbins. 2,098,881–2; Nov. 9.
Universal bolt lock. H. H. Kistner. 2,098,249; Nov. 9.
Universal joint. H. D. Geyer. 2,098,703; Nov. 9.
Utensil, Baking. H. J. Krause and P. R. Simmons. 2,098,784; Nov. 9.
Valve: *See*—
Fountain pen valve. Water reducing valve.
Self-actuating valve.
Thermostat controlled valve.
Valve. J. J. Kleinsmith. 2,098,583; Nov. 9.
Valve control, Automatic multiple. E. Staegemann. 2,098,893; Nov. 9.
Valve handle. F. J. Pardieck. 2,098,515; Nov. 9.
Valve housing, Making a flanged. J. H. Taylor. 2,098,318; Nov. 9.
Valve manifold for gasoline tank trucks and the like, Selective. H. E. Ward and W. W. Brown. 2,098,682; Nov. 9.
Valve tappet. H. H. Zeder. 2,098,897; Nov. 9.
Variable condenser. F. Saar. 2,098,597; Nov. 9.
Vehicle. J. S. McWhirter. 2,098,460; Nov. 9.
Vehicle brake. R. A. Whittingham. 2,098,409; Nov. 9.
Vehicle, Motor. F. C. Best. 2,098,224; Nov. 9.
Vehicle, Motor. C. W. Van Ranst. 2,098,265; Nov. 9.
Vehicle, Rail-guided. M. Frei. 2,098,723; Nov. 9.
Vehicle, Tank. R. B. Simning. 2,098,522; Nov. 9.
Vehicle wheel. C. S. Ash. 2,098,851; Nov. 9.
Vehicle wheel. R. B. Miller. 2,098,668; Nov. 9.
Vending machine, Single compartment selective. A. W. Vanderput. 2,098,697; Nov. 9.
Voltage switching device, High. R. R. Pittman and C. H. Walsh. 2,098,692; Nov. 9.
Wall, Heat insulating. F. C. Reinke. 2,098,554; Nov. 9.
Welt, Goodyear. W. Brown. 2,098,911; Nov. 9.
Welt units, Apparatus for making. W. C. Card, Jr. 2,098,563; Nov. 9.
Water heater, Hot. H. H. Everhard. 2,098,489; Nov. 9.
Water reducing valve. A. J. Sparrow. 2,098,696; Nov. 9.
Water treating composition. E. P. Partridge. 2,098,431; Nov. 9.
Wax from oils, Filtering. B. Hopper and K. Kingman. 2,098,545; Nov. 9.

Web folding method and apparatus. J. Menschner. 2,098,427; Nov. 9.
Welding, Electric. D. T. May. 2,098,300; Nov. 9.
Well cleaning device. J. J. Santiago. 2,098,520; Nov. 9.
Wells, Apparatus for cleaning. J. Grant. 2,098,494; Nov. 9.
Wheel: *See*—
Vehicle wheel.
Whipstocks, Device for orienting. O. Bares and R. I. Bares. 2,098,271; Nov. 9.
Wind mechanism for fishing reels, Level. J. V. Schafer. 2,098,693; Nov. 9.
Wire cutter. M. L. Rowe. 2,098,795; Nov. 9.
Wireless direction finding system. H. M. Dowsett and L. E. Q. Walker. 2,098,281; Nov. 9.
Work equipment. H. L. De Lisle. 2,098,655; Nov. 9.
Worm, Sheet metal. W. J. Stuber. 2,098,439; Nov. 9.
Wrapping machine. T. G. Jackson. 2,098,245; Nov. 9.
Wreath, Ornamental. I. H. Shalomith. 2,098,314; Nov. 9.
Wringer. W. L. Kauffman, II. 2,098,919–20; Nov. 9.
X-ray apparatus. S. Hirsch. 2,098,900; Nov. 9.
X-ray measuring system. B. Cassen. 2,098,275; Nov. 9.
X-raytube. D. G. Sharp. 2,098,315; Nov. 9.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 9, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alba Pharmaceutical Company, Inc., New York, N. Y. Crystalline vitamin D. Serial No. 397,351; Nov. 16. Class 6.

Aitken, Beekman, doing business as Corkers Company, New York, N. Y. Board game. Serial No. 396,705; Nov. 16. Class 22.

American Cooler Co., Inc., New York, N. Y. Beer dispensing and refrigeration equipment and bar equipment. Serial No. 394,652; Nov. 16. Class 13.

American Maize-Products Company, New York, N. Y. Starch. Serial No. 385,173; Nov. 16. Class 6.

American Oil Company, The, Baltimore, Md. Lubricating oils. Serial No. 397,742; Nov. 16. Class 15.

American Steel Wool Mfg. Co. Inc., Long Island City, N. Y. Steel wool. Serial No. 397,016; Nov. 16. Class 4.

Amfre Drug Co., Inc., New York, N. Y. Medicine for the treatment of gall bladder. Serial No. 397,831; Nov. 16. Class 6.

Anthony, William C., Streator, Ill. Plant growing tanks and parts thereof and accessories therefor. Serial No. 393,683; Nov. 16. Class 2.

Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières and combinations thereof. Serial No. 395,513; Nov. 16. Class 39.

Atlas Powder Company, Wilmington, Del. Solutions of cellulose derivatives. Serial No. 397,894; Nov. 16. Class 6.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. Serial No. 395,262; Nov. 16. Class 17.

Bagpak, Inc., New York, N. Y. Paper bags. Serial No. 397,994; Nov. 16. Class 2.

Baker-Moise Hosiery Mills, Dallas, Tex. Ladies' hosiery. Serial No. 397,566; Nov. 16. Class 39.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic lenses. Serial No. 397,605; Nov. 16. Class 26.

Beck, Otto, New York, N. Y. Preparation for the relief of asthma and bronchitis. Serial No. 397,996; Nov. 16. Class 6.

Beir, Arthur, & Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 397,835; Nov. 16. Class 42.

Bernstein, Joseph R., Chicago, Ill. Clothing for men and women. Serial No. 397,399; Nov. 16. Class 39.

Biberman Bros. Inc., Philadelphia, Pa. Women's dresses. Serial No. 397,352; Nov. 16. Class 39.

Blue Moon Cheese Products, Inc., Minneapolis, Minn. Cheese compound. Serial No. 375,981; Nov. 16. Class 46.

Bochumer Verein für Gusstahlfabrikation Aktiengesellschaft, Bochum, Germany. Steel, iron, brass, etc., castings, forgings, and half-finished articles. Serial No. 391,616; Nov. 16. Class 14.

Borden Company, The, New York, N. Y. Sugar syrup with caramel coloring. Serial No. 396,559; Nov. 16. Class 46.

Borgenicht & Spiro Inc., New York, N. Y. Dresses. Serial No. 396,664; Nov. 16. Class 39.

Boston Dog Food Co. (See McDonnell, P. A.)

British Cod Liver Oil Producers (Hull) Limited, Hull, England. Fish oils and by-products thereof. Serial No. 393,062; Nov. 16. Class 6.

Brocato, Joe, doing business as Spring St. Cafe, Shreveport, La. Mixture of anchovies, capers, and seeded green and black olives. Serial No. 380,753; Nov. 16. Class 46.

Brown Ray Phones, San Francisco, Calif. Radio receiving and transmitting equipment and parts thereof. Serial No. 388,431; Nov. 16. Class 21.

Bullock, John L., doing business as Dr. J. B. Remedy Company, Durham, N. C. Preparation for the treatment of pyorrhea. Serial No. 395,331; Nov. 16. Class 6.

Bullock's, Inc., Los Angeles, Calif. Face, skin, and massage creams, etc. Serial No. 397,242; Nov. 16. Class 6.

Camarillo Citrus Ass'n., Camarillo, Calif. Fresh citrus fruits. Serial No. 397,613; Nov. 16. Class 46.

Celanese Corporation of America, New York, N. Y. Bathing trunks and gym shorts. Serial No. 397,469; Nov. 16. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 397,738; Nov. 16. Class 42.

Central Metallic Casket Co., Chicago, Ill. Caskets. Serial No. 396,447; Nov. 16. Class 2.

Chattanooga Bakery. (See Mountain City Mill Co.)

Chicago Electric Manufacturing Co., Chicago, Ill. Household appliances. Serial No. 397,244; Nov. 16. Class 21.

Child Welfare Company, Inc., Washington, D. C. Publications. Serial No. 396,953; Nov. 16. Class 38.

Clark, Joel B., Buffalo, N. Y. Apparatus through which lubricating oils are circulated and by which impurities are mechanically removed and ingredients are slowly added to dissolve sludge, etc. Serial No. 397,246; Nov. 16. Class 31.

Classic Foundations, Inc., New York, N. Y. Corsets, brassières, and girdles. Serial No. 395,188; Nov. 16. Class 39.

Concord Chenille Co., Inc., New York, N. Y. Piece goods. Serial No. 396,733; Nov. 16. Class 42.

Consolidated Paper Products Co. (See Ginsburg Bros., Inc.)

Cook Paint & Varnish Company, North Kansas City, Mo. Ready-mixed paints. Serial No. 397,501; Nov. 16. Class 16.

Corkers Company. (See Aitken, Beekman.)

Cranston Print Works Company, Cranston, R. I. Cotton piece goods. Serial No. 397,753; Nov. 16. Class 42.

Crompton Company, West Warwick, R. I. Corduroy. Serial No. 397,840; Nov. 16. Class 42.

Crystal Springs Packing Co. Inc., Medford, Oreg. Fresh pears and apples. Serial No. 396,806; Nov. 16. Class 46.

Dawstell Laboratories, Jacksonville, Fla. Preparation for the treatment of nausea. Serial No. 396,808; Nov. 16. Class 6.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's suits. Serial No. 396,388; Nov. 16. Class 39.

Del Valle Kahman & Co., San Francisco, Calif. Canned lobster. Serial No. 397,647; Nov. 16. Class 46.

Denhalter Bottling Company, Salt Lake City, Utah. Beverages, and sirups and extracts for making the same. Serial No. 397,964; Nov. 16. Class 45.

Dickson Highway Safety Marker, Inc., Orlando, Fla. Highway markers. Serial No. 397,402; Nov. 16. Class 50.

Disney, Walt, Productions, Ltd., Los Angeles, Calif. Series of motion picture animated cartoons. Serial No. 397,886; Nov. 16. Class 26.

Doak Company, Inc., The, Cleveland, Ohio. Dermatotherapeutic medication. Serial No. 396,480; Nov. 16. Class 6.

Dr. J. B. Remedy Company. (See Bullock, John L.)

Drug Products Co., Inc., The, Long Island City, N. Y. Colloidal manganese sodium cacodylate preparation. Serial No. 398,099; Nov. 16. Class 6.

Eagle-Ottawa Leather Company, Chicago, Ill., and Grand Haven, Mich. Leather. Serial Nos. 395,520–1; Nov. 16. Class 1.

Eff Laboratories, Inc., Cleveland, Ohio. Concentrates and preparations rich in vitamin activity. Serial No. 397,799; Nov. 16. Class 6.

Effantab Products, Inc., New Rochelle, N. Y. Effervescent headache tablets. Serial No. 397,331; Nov. 16. Class 6.

Euromerica Medical Products, Inc., New York, N. Y. Lotion for the eyes. Serial No. 396,770; Nov. 16. Class 6.

Everedy Company, The, Frederick, Md. Empty cigarette boxes. Serial Nos. 397,190–1; Nov. 16. Class 8.

Factory Oil Company, The, Akron, Ohio. Gasoline and oils. Serial Nos. 394,745–6; Nov. 16. Class 15.

Fansteel Metallurgical Corporation, North Chicago, Ill. Metals and alloys thereof. Serial No. 396,675; Nov. 16. Class 14.

Farrell, Margaret F., Los Angeles, Calif. Counter-irritant ointment. Serial No. 393,929; Nov. 16. Class 6.

Feise, Frank C., doing business as F. C. Feise Co., Roxborough, Philadelphia, Pa. Tennis court surfacings, tennis court composition clay surfacings. Serial No. 382,153; Nov. 16. Class 12.

Fiction House, Inc., New York, N. Y. Periodical. Serial No. 397,359; Nov. 16. Class 38.

Fisher, Simon, Berlin, N. J. Princess slips, night gowns, pajamas, etc. Serial No. 396,810; Nov. 16. Class 39.

Florasynth Laboratories, Inc., New York, N. Y. Synthetic and natural aromatics and essential oils for food flavoring purposes. Serial No. 394,747; Nov. 16. Class 46.

Food Machinery Corporation, San Jose, Calif. Fresh fruit. Serial No. 397,735; Nov. 16. Class 46.

Food Specialties Company, St. Louis, Mo. Edible starch product in solid form. Serial No. 388,495; Nov. 16. Class 46.

Fowler, Ernestine O., doing business as Betty Wells Cosmetic Company, San Francisco, Calif. Cosmetic liquid preparation. Serial No. 395,641; Nov. 16. Class 6.

Fur Mart of America, Inc., The, New York, N. Y. Dyed coney coats, capes, and jackets. Serial No. 393,031; Nov. 16. Class 39.

Garfinkel & Ritter, New York, N. Y. Chemises, panties, night-gowns, etc. Serial No. 397,436; Nov. 16. Class 39.

General Chemical Company, New York, N. Y. Heavy chemicals. Serial Nos. 397,437–8; Nov. 16. Class 6.

General Desserts Corporation, New York, N. Y. Powdered pectin preparation for making jelly. Serial No. 397,075; Nov. 16. Class 46.

General Motors Corporation, Detroit, Mich. Automobiles and structural parts thereof. Serial No. 396,566; Nov. 16. Class 19.

General Pharmacal Company, The, Cincinnati, Ohio. Analgesic and antipyretic compounds acetanilid derivatives, etc. Serial No. 397,657; Nov. 16. Class 6.
Germain Seed and Plant Company, Los Angeles, Cal. Flower seeds. Serial No. 396,678; Nov. 16. Class
Ginsburg Bros., Inc., doing business as Consolid Paper Products Co., Somerville, Mass. Paper baking cups, wax paper, and paper napkins. Serial No. 396,872; Nov. 16. Class 37.
Gorseline Finch Sporting Goods Company, Denver, Colo. Fishing baskets, flies, flyhooks, etc. Serial No. 395,642; Nov. 16. Class 22.
Green Bay Food Company, Green Bay, Wis. Pickles, chow-chow, sweet and sour onions, etc. Serial No. 396,035; Nov. 16. Class 46.
Harris, Jacob, doing business as The Majestic Pen Co., New York, N. Y. Fountain pens and pen and pencil sets. Serial No. 393,910; Nov. 16. Class 37.
Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal preparation. Serial No. 398,200; Nov. 16. Class 6.
Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal preparation. Serial No. 398,204; Nov. 16. Class 6.
Hat Corporation of America, Norwalk, Conn. Ladies' hats. Serial No. 397,237; Nov. 16. Class 39.
Hausman, M., & Sons, New York, N. Y. Rayon and cotton goods. Serial No. 397,804; Nov. 16. Class 42.
Hearn Department Stores, Inc., New York, N. Y. Drugs and cosmetics. Serial No. 395,825; Nov. 16. Class 6.
High Duty Alloys Limited, Slough, England. Unwrought and partly wrought metals, and stampings, forgings, etc. Serial Nos. 397,617–8; Nov. 16. Class 14.
Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 397,472; Nov. 16. Class 6.
Hoffman-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 398,008. Nov. 16. Class 6.
Horton Manufacturing Company, Fort Wayne, Ind. Laundry washing machines and laundry washing machine agitators. Serial No. 390,958; Nov. 16. Class 24.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Stapling pliers. Serial No. 395,712; Nov. 16. Class 37.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Stapling pliers. Serial No. 395,714; Nov. 16. Class 37.
Howell, Edward, Chicago, Ill. Laxative and enzyme compound. Serial No. 396,739; Nov. 16. Class 6.
Hurlbert, Olive E., Los Angeles, Calif. Medicines. Serial No. 394,488; Nov. 16. Class 6.
Il Buon Samaritano, Inc., New York, N. Y. Publication. Serial No. 397,031; Nov. 16. Class 38.
International Safety Razor Corp., Bloomfield, N. Razors and razor blades. Serial No. 397,934; Nov Class 23.
Irwin, John, Jr., doing business as Junior Execu Chicago, Ill. Dresses. Serial No. 397,079; Nov Class 39.
Jawine Company, The. (See Weinberger, Julius A
Jiff-ee-Made Co., Philadelphia, Pa. Undergarm Serial No. 395,478; Nov. 16. Class 39.
Juilliard, A. D., & Co. Inc., New York, N. Y. Cor and velveteen. Serial No. 397,510; Nov. 16. Cla
Junior Executive. (See Irwin, John, Jr.)
Kanegafuchi Boseki Kabushiki Kwaisha, Mukojim Tokyo, Japan. Piece goods. Serial No. 379,245; 16. Class 42.
Kayser, Julius, & Co., New York, N. Y. Ladies' Serial No. 397,409; Nov. 16. Class 39.
Kelly, Paul L., doing business as Kels Co., P Sassafras chewing gum. Serial No. 381,6 Class 46.
Kels Co. (See Kelly, Paul L.)
Knorr Mercantile Co., The, Wichita, Ka Serial No. 397,288; Nov. 16. Class 39.
Kohnstamm, H., & Co., Inc., New York, N. Y. Co in the form of powder and pulp used in the m of cosmetics. Serial No. 396,637; Nov. 16. C
Krueger Beverage Company, Newark, N. J. Root root beer syrup, and root beer concentrate. Seria 395,420; Nov. 16. Class 45.
Lakeside Packing Company, Manitowoc, Wis. Can product. Serial No. 393,178; Nov. 16. Class 46.
Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Ladies' hosiery. Serial No. 396,106; Nov. 16. Class 39.
Lewmac Furs, Inc., New York, N. Y. Ladies' coats. Serial No. 393,718; Nov. 16. Class 39.
Linker & Herbert, Inc., New York, N. Y. Woolen and wool mixture fabrics. Serial No. 397,905; Nov. 16. Class 42.
Lion Knitting Mills Company, The, Cleveland, Ohio. Vests, sweaters, and sleeveless sweaters for women and girls. Serial No. 396,540; Nov. 16. Class 39.
Londonderry, Inc., New York, N. Y. Women's and misses' camel's hair coats. Serial No. 396,881; Nov. 16. Class 39.
Loudonville Milling Company, The, Loudonville, Ohio. Bran, middlings, mixed feed, etc. Serial No. 396,822; Nov. 16. Class 46.
Luckhaupt, Christopher, Jamaica, N. Y. Face creams. Serial No. 396,031; Nov. 16. Class 6.

[illegible], Watervliet, N. Y. Tool-steels. Serial 16. Class 14.
[illegible] York, N. Y. Bloomers, undershirts, erial No. 397,585; Nov. 16. Class 39.
[illegible] poration, Manila, P. I. Lard substitu[illegible] 391,136; Nov. 16. Class 46.
Lyon, A. [illegible] Calif. Bourbon whiskey. Serial No. 389,689 [illegible] 6. Class 49.
[illegible]acy, R. H., & Co., Inc., New York, N. Y. Ready mixed paints, varnishes, paint enamels, etc. Serial No. 397,259; Nov. 16. Class 16.
Macy, R. H., & Co., Inc., New York, N. Y. Tennis rackets. Serial Nos. 397,944–6; Nov. 16. Class 22.
Maggi Co., Inc., New York, N. Y. Bouillon cubes and granulated bouillon. Serial No. 396,145; Nov. 16. Class 46.
Maggi Co., Inc., New York, N. Y. Bouillon cubes. Serial Nos. 396,146–7; Nov. 16. Class 46.
Majestic Pen Co., The. (See Harris, Jacob.)
Manzoni, Lino, New York, N. Y. Extract for hair troubles. Serial No. 398,115; Nov. 16. Class 6.
Marmorstein, E., & Co., New York, N. Y. Clothing and accessories. Serial No. 396,415; Nov. 16. Class 39.
Mars Incorporated, Chicago, Ill. Candy. Serial No. 394,465; Nov. 16. Class 46.
Marshall Field & Company, Chicago, Ill. Rugs. Serial No. 397,855; Nov. 16. Class 42.
Marton, Jules M., Chicago, Ill. Flannel pads impregnated with a cosmetic cleansing lotion. Serial No. 396,465; Nov. 16. Class 6.
Mayer, Oscar, & Co., Inc., Chicago, Ill. Sausage. Serial No. 391,986; Nov. 16. Class 46.
McCarthy, Charlie, Inc., New York, N. Y. Dolls. Serial No. 396,708; Nov. 16. Class 22.
McDevitt, Harry J., Philadelphia, Pa. Automobile air filter cleaner apparatus. Serial No. 393,224; Nov. 16. Class 24.
McDonald Corporation, The, Anburndale, Fla. Fresh citrus fruits. Serial No. 396,344; Nov. 16. Class 46.
McDonald Corporation, The, Anburndale, Fla. Fresh citrus fruits. Serial No. 396,346; Nov. 16. Class 46.
McDonnell, P. A., doing business as Boston Dog Food Co., Boston, Mass. Dog and cat food. Serial No. 397,293; Nov. 16. Class 46.
McLean, Andrew, Company, Passaic, N. J. Buckram in the piece. Serial No. 397,449; Nov. 16. Class 42.
Megowen-Educator Food Company, Cambridge, Mass. Soda crackers. Serial No. 397,544; Nov. 16. Class 46.
Meldol, Incorporated, New York, N. Y. Composition for external application. Serial No. 397,980; Nov. 16. Class 6.
Melissa Candies, Inc., New York, N. Y. Candy. Serial No. 395,351; Nov. 16. Class 46.
Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the Main, Germany. Medicinal preparation. Serial [illegible],382; Nov. 16. Class 6.
Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Solution of morphine. Serial No. 392,385; Nov. 16. Class 6.
Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Medicinal preparations. Serial No. 392,386; Nov. 16. Class 6.
Milgrim Manufacturing Co., New York, N. Y. Negligees, pajamas, nightgowns, etc. Serial No. 397,450; Nov. 16. Class 39.
Mitchell, Robert Co. Limited, The, Montreal, Quebec, Canada. Glass window or panel units. Serial No. 387,674; Nov. 16. Class 12.
Morrell, John, & Co., Ottumwa, Iowa. Smoked boneless pork butts. Serial No. 397,511; Nov. 16. Class 46.
Mountain City Mill Co., doing business as Chattanooga Bakery, Chattanooga, Tenn. Crackers, snaps, cakes, etc. Serial No. 366,575; Nov. 16. Class 46.
[illegible]e Vennootschap Chemische Fabriek L. Van Der [illegible]ten, Venlo, Netherlands. Copying apparatus and veloping apparatus. Serial No. 397,674; Nov. 16. Class 26.
[illegible]ational Accessories Stores, Inc., Utica, N. Y. Anti-freeze mixture solution. Serial No. 395,718; Nov. 16. Class 6.
National Washboard Company, Chicago, Ill. Folding ironing tables. Serial Nos. 398,054–6; Nov. 16. Class 24.
New England Products, Inc., Evanston, Ill. Combination of eight vegetable juices. Serial No. 397,587; Nov. 16. Class 46.
New York Standard Mfg. Co., Inc., Brooklyn, N. Y. Clothes hampers, ash cans, and garbage cans. Serial No. 398,012; Nov. 16. Class 2.
Northern Jobbing Company, St. Paul, Minn. Canned peaches, canned pineapples, canned cut green beans, etc. Serial No. 397,414; Nov. 16. Class 46.
O'Bryan & Johnson, Redlands, Calif. Fresh citrus fruits. Serial No. 397,547; Nov. 16. Class 46.
Old Dutch Process Mfg. Co., Brooklyn, N. Y. Furniture polish, liquid wax, automobile polish, etc. Serial No. 381,168; Nov. 16. Class 16.
Oneita Knitting Mills, Utica, N. Y. Sweat shirt. Serial No. 396,723; Nov. 16. Class 39.

Osmo Garden Company, The, Philadelphi[illegible] to facilitate the growth of seed[illegible] Serial No. 391,335; Nov. 16. Cl[illegible]
Parfumerie St. Denis, New York, N[illegible] astringent cerates, beauty cr[illegible] 397,416; Nov. 16. Class 6.
Parfums Blanchard Inc., New Y[illegible] Cosmetics. Serial No. 396,545; Nov. 16. Cl[illegible]
Park-Sherman Co., Chicago, Ill. Desk appointment pad. Serial No. 396,891; Nov. 16. Class 37.
Park & Tilford, New York, N. Y. Perfumes. Serial No. 397,720; Nov. 16. Class 6.
Pasel, Rose M., doing business as Pasel Boat Shops, Long Beach, Calif. Small sailboats. Serial No. 395,652; Nov. 16. Class 19.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Rayon piece goods. Serial No. 397,982; Nov. 16. Class 42.
Pepperell Manufacturing Company, Boston, Mass. Textile fabrics in the piece, etc. Serial No. 397,767; Nov. 16. Class 42.
Pfluger, A. J., Brillton, Wis. Liniment. Serial No. 395,652; Nov. 16. Class 19.
Photo-Cylinder Corporation, New York, N. Y. Etched printing plates and cylinders. Serial No. 389,659; Nov. 16. Class 50.
Picot Laboratories, Inc., Wilmington, Del. Medicinal preparation. Serial No. 396,965; Nov. 16. Class 6.
Pierce, S. S., Co., Boston, Mass. Pipe tobacco. Serial No. 396,006; Nov. 16. Class 17.
Pike and Davis, Inc., Seattle, Wash. Oatmeal cleansing creme, carrot creme, and acne and bleach creme. Serial No. 395,149; Nov. 16. Class 6.
Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, electric motors, dynamotors, etc. Serial No. 397,421; Nov. 16. Class 21.
Plant Food Corp., Los Angeles, Calif. Fertilizers. Serial Nos. 397,296–7; Nov. 16. Class 10.
Prescott Spinner Manufacturing Company. (See Stapf, Charles H.)
Prince Matchabelli, Inc., New York, N. Y. Perfumes and eau de cologne. Serial No. 398,175; Nov. 16. Class 6.
Progressive Leather Goods Co., West New York, N. J. Leather goods. Serial No. 384,629; Nov. 16. Class 3.
Pure Oil Company, The, Chicago, Ill. Liquid hydrocarbon motor fuels, lubricating oils, and lubricating greases. Serial No. 377,804; Nov. 16. Class 15.
Py-Ro-Go, Inc., Chicago, Ill. Preparation for the treatment for pyorrhea. Serial No. 372,580; Nov. 16. Class 6.
Raincloud Water Softener, Inc., Green Bay, Wis. Trap-type water softeners. Serial No. 394,551; Nov. 16. Class 13.
Recreational Equipment Co., Denver, Colo. Board game. Serial No. 397,379; Nov. 16. Class 22.
Reed Drug Company, Inc., Miami, Fla. Tablets [illegible] the relief of periodic pain. Serial No. 397,872; Nov. 16. Class 6.
Remington Arms Company, Inc., Bridgeport, Conn. Firearms. Serial No. 397,953; Nov. 16. Class 9.
Rice Growers Association of California, also doing business as Rice Growers Assn., Sacramento, Calif. Rice. Serial No. 394,553; Nov. 16. Class 46.
Rok-Hesive Manufacturing Co., Glendale, Calif. Coatings and fillers. Serial No. 397,553; Nov. 16. Class 16.
Rorer, William H., Inc., Philadelphia, Pa. Tubes filled with a medicinal solution. Serial No. 391,344; Nov. 16. Class 6.
Rose, Louis S., doing business as Rose Brothers, New York, N. Y. Coats, vests, and trousers. Serial No. 397,155; Nov. 16. Class 39.
Rothschild, Maurice L., Incorporated, Chicago, Ill. Suits, coats, overcoats, etc. Serial No. 392,773; Nov. 16, Class 39.
Royal Manufacturing Company, The, Tulsa, Okla. Joint dressing. Serial No. 395,930; Nov. 16. Class
Saks & Company, New York, N. Y. Women's and mi[illegible] hats. Serial No. 397,269; Nov. 16. Class 39.
Schering & Glatz, Inc., New York, N. Y. Medicinal pr[illegible] rations. Serial Nos. 397,819–20; Nov. 16. Class 6.
Schneider, Joseph, Inc., New York, N. Y. Games. Serial No. 397,518; Nov. 16. Class 22.
Schneider, Lou, Inc., New York, N. Y. Ladies' coats and suits. Serial No. 395,318; Nov. 16. Class 39.

Schoenhut, O., Inc., Philadelphia, Pa. Game. Serial No. 397,876; Nov. 16. Class 22.
Serra, Arthur, & Company, Chicago, Ill. Canned pineapple. Serial No. 397,424; Nov. 16. Class 46.
Shonnard, Harold W., Montclair, N. J. Elevating tailgates for vehicles. Serial No. 395,461; Nov. 16. Class 19.
Silver Oxide Products Company, Incorporated, Aldan, Pa. Colloidally dispersed silver oxide. Serial No. 397,985; Nov. 16. Class 6.
Simons, Robert J., Springfield, Mass. Paint brush receptacles with incidental holding means. Serial No. 395,052; Nov. 16. Class 2.
Sleetex Co. Inc., The, New York, N. Y. Vehicle windshield wiper blades. Serial No. 396,789; Nov. 16. Class 19.
Smart Fur Corporation, New York, N. Y. Fur coats. Serial No. 394,559; Nov. 16. Class 39.
Southern Grocery Stores, Inc., Atlanta, Ga. Self-rising flour. Serial No. 397,386; Nov. 16. Class 46.
Southport Petroleum Company, Kilgore, Tex. Gasoline. Serial No. 397,387; Nov. 16. Class 15.
Spring St. Cafe. (See Brocato, Joe.)
Squibb, E. R., & Sons, New York, N. Y. Effervescent antacid and laxative preparations. Serial No. 396,432; Nov. 16. Class 6.
Standard Garment Co. Inc., New York, N. Y. Dresses, outer skirts, blouses, etc. Serial Nos. 393,454–5; Nov. 16. Class 39.
Standard Oil Company of New Jersey, Wilmington, Del. Floor dressing. Serial No. 397,006; Nov. 16. Class 16.
Stapf, Charles H., doing business as Prescott Spinner Manufacturing Company, Prescott, Wis. Jointed wire leader. Serial No. 397,730; Nov. 16. Class 22.
Strauss-Eckardt Co., Inc., New York, N. Y. Dolls, blocks, dominoes, etc. Serial No. 390,252; Nov. 16. Class 22.
Sudol Products, Inc., New Orleans, La. Water-repellent preparation. Serial No. 397,489; Nov. 16. Class 6.
Toc's Products Company, Inc., Syracuse, N. Y. Sanitary napkins. Serial No. 391,358; Nov. 16. Class 44.
Tru Tailored, Inc., New York, N. Y. Pajamas, negligees, nightgowns, etc. Serial No. 397,310; Nov. 16. Class 39.
Tybon Corporation, Philadelphia, Pa. Inked ribbons and carbon paper. Serial No. 397,626; Nov. 16. Class 11.
Underwriters Safety Device Corporation, Chicago, Ill. Electric switches. Serial No. 397,490; Nov. 16. Class 21.
Union Bag & Paper Corporation, New York, N. Y. Transparent window bags and other paper bags. Serial No. 395,499; Nov. 16. Class 2.
Unit Packages, Inc., Elizabeth, N. J. Fire extinguishing chemicals. Serial No. 395,774; Nov. 16. Class 6.
United Drug Company, Boston, Mass. Eye lotion. Serial No. 397,594; Nov. 16. Class 6.
U. S. Standard Products Company, Woodworth, Wis. Medicinal solution. Serial No. 398,182; Nov. 16. Class 6.
Van Allen, John D., & Son, Inc., Clinton, Iowa. Infants' garments. Serial No. 397,595; Nov. 16. Class 39.
Van Camp Sea Food Co., Inc., Terminal Island, Calif. Fertilizer. Serial No. 396,938; Nov. 16. Class 10.
Warren, S. D., Company, Boston, Mass. Interleaving paper. Serial No. 396,795; Nov. 16. Class 37.
Warwick Chemical Company, West Warwick, R. I. Water repellent compound. Serial Nos. 389,854–6; Nov. 16. Class 6.
Wathen, John A., Distillery Co., Louisville and Lebanon, Ky. Whisky. Serial No. 357,107; Nov. 16. Class 49.
Weinberger, Julius A., doing business as The Jawine Company, New York, N. Y. Angora wool yarns. Serial No. 394,606; Nov. 16. Class 43.
Weston & Johnson Mfg. Co., Chicago, Ill. Hair preparations. Serial No. 396,624; Nov. 16. Class 6.
Wiles, Betty, Cosmetic Company. (See Fowler, Ernestine O.)
Weston, George, Limited, Passaic, N. J. Crackers. Serial No. 396,055; Nov. 15. Class 46.
Worth Undergarment Co., New York, N. Y. Slips, pajamas, gowns, etc. Serial No. 383,514; Nov. 16. Class 39.
Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Sulfonamide of para-amino-benzene. Serial No. 395,780; Nov. 16. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Einar Hansvik & Co., Bergen, Norway. Canned sardines. 352,070; Nov. 16; Serial No. 394,658; published Sept. 7, 1937. Class 46.
Air Conditioned Fabrics Corporation. (See Haberman, Wm., Corporation, assignor.)
Alexander, Andrew N., New York, N. Y. Cherry flavored syrups for soft drinks. 352,076; Nov. 16; Serial No. 394,961; published Sept. 7, 1937. Class 45.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Coats, sport coats, topcoats, etc. 351,960; Nov. 16; Serial No. 390,496; published Sept. 7, 1937. Class 39.

Alligator Company, The, St. Louis, Mo. Gabardine garments. 352,021; Nov. 16; Serial No. 393,747; published Aug. 10, 1937. Class 39.

American Mayfair Corp., New York, N. Y. Hats and berets. 351,944; Nov. 16; Serial No. 387,774; published Aug. 24, 1937. Class 39.

Amisco Music Sales Co. Inc., New York, N. Y. Music books. 352,028; Nov. 16; Serial No. 393,890; published Sept. 7, 1937. Class 38.

Anderson Company, The, Gary, Ind. Blades and arms for windshield wipers. 352,013; Nov. 16; Serial No. 393,567; published Sept. 7, 1937. Class 19.

Armstrong, D., & Company, Inc., Rochester, N. Y. Shoes. 351,991; Nov. 16. Serial No. 392,907; published Aug. 10, 1937. Class 39.

Ault & Wiborg Corporation, Cincinnati, Ohio, and New York, N. Y. Printing inks. 352,091; Nov. 16; Serial No. 395,260; published Sept. 7, 1937. Class 11.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Wines. 352,019; Nov. 16; Serial No. 393,687; published Sept. 7, 1937. Class 47.

Automobile Banking Corporation, Philadelphia, Pa. Rate charts and periodicals. 351,915; Nov. 16; Serial No. 372,819; published Sept. 7, 1937. Class 38.

Baers', to Edwin J. Baer, doing business as Baers', Canton, Ohio, successor. Monthly publication. 118,487; renewed Sept. 18, 1937.

Bagedonow Bros. Inc., New York, N. Y. Dresses, suits, and coats, and men's and boys' coats and suits. 352,101; Nov. 16; Serial No. 395,442; published Sept. 7, 1937. Class 39.

Bamberger, L., & Co., Newark, N. J. Rayon piece goods. 352,081–2; Nov. 16; Serial Nos. 395,117–18; published Sept. 7, 1937. Class 42.

Barbour Welting Company, Brockton, Mass. Welting for boots and shoes. 352,014; Nov. 16; Serial No. 393,571; published Aug. 10, 1937. Class 39.

Becken, A. C., Co., Chicago, Ill. Watches. 352,129; Nov. 16. Class 27.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 352,071; Nov. 16; Serial No. 394,657; published Sept. 7, 1937. Class 42.

Bendix Producto Corporation, South Bend, Ind. Brake lining. 351,933; Nov. 16; Serial No. 384,316; published Sept. 7, 1937. Class 35.

Berkefeld Filters & Water Softeners Limited, Tonbridge, England. Water filters. 352,131; Nov. 16. Class 31.

Bernstein, Samuel, New York, N. Y. Shoes. 352,044; Nov. 16; Serial No. 394,219; published Aug. 17, 1937. Class 39.

Bireley's, Inc., Hollywood, Calif. Fruit juices and fruit juice products. 351,968; Nov. 16; Serial No. 391,612; published Sept. 7, 1937. Class 45.

Blechman, S., & Sons, Inc., New York, N. Y. Girdles, brassières, bandeaux, etc. 352,003; Nov. 16; Serial No. 393,111; published Aug. 17, 1937. Class 39.

Bolta Rubber Co., Inc., Lawrence, Mass. Combs. 351,954; Nov. 16; Serial No. 389,634; published Aug. 10, 1937. Class 40.

Bon Marche, The. (See Allied Stores Corporation.)

Bond Club of New York, The, New York, N. Y. Humorous publication. 351,972; Nov. 16; Serial No. 391,001; published Sept. 7, 1937. Class 38.

Braun, Geo. C., Chicago, Ill. Periodical. 352,061; Nov. 16; Serial No. 394,529; published Sept. 7, 1937. Class 38.

Brown Durrell Co., New York, N. Y., and Boston, Mass. Women's nightgowns, pajamas, slips, etc. 352,024; Nov. 16; Serial No. 393,442; published Aug. 10, 1937. Class 39.

Brown-McDonald Co., Hastings, Nebr. Shirts, undershorts, hats, etc. 352,078–9; Nov. 16; Serial Nos. 395,013–14; published Sept. 7, 1937. Class 39.

Burd Piston Ring Company, Rockford, Ill. Piston rings. 352,092; Nov. 16; Serial No. 395,272; published Sept. 7, 1937. Class 35.

Burry Biscuit Corporation, Linden, N. J. Cookies. 352,040; Nov. 16; Serial No. 394,159; published Sept. 7, 1937. Class 46.

Butler Brothers, Chicago, Ill. Overalls and jackets, athletic shirts and shorts, etc. 351,969; Nov. 16; Serial No. 391,619; published Aug. 10, 1937. Class 39.

Butler Brothers, Chicago, Ill. Dress shirts. 352,083; Nov. 16; Serial No. 395,122; published Sept. 7, 1937. Class 39.

California Fruit Growers Exchange, Los Angeles, Calif. Knives. 352,087; Nov. 16; Serial No. 395,217; published Sept. 7, 1937. Class 23.

California Vegetable Union, to Jones & Kavanaugh Co., Ltd., Los Angeles, Calif., successor. Fresh rhubarb, asparagus, and cantaloups. 119,256; renewed Nov. 13, 1937.

Callanan, L. J., & Co., Inc., New York, N. Y. Brandy. 352,116; Nov. 16; Serial No. 395,899; published Sept. 7, 1937. Class 49.

Canfield Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 352,132; Nov. 16. Class 15.

Carpenter, Doyle G., Oklahoma City, Okla. Ginger ale and soft drinks in general. 352,077; Nov. 16; Serial No. 394,976; published Sept. 7, 1937. Class 45.

Carter, William, Company, The, Needham Heights, Mass. Foundation garments. 352,072; Nov. 16; Serial No. 394,744; published Sept. 7, 1937. Class 39.

Cheney, William H., doing business as Oxytherm Company, Nashville, Tenn. Gas generators and distribution units therefor. 351,987; Nov. 16; Serial No. 392,744; published Sept. 7, 1937. Class 34.

Chicago Hardware and Fixture Company, Chicago, Ill. Letters or characters made of metal. 351,921; Nov. 16; Serial No. 378,976; published Sept. 7, 1937. Class 13.

Choice Foods, Inc., Detroit, Mich. Extract from cocoa bean and milk having incorporated therewith chocolate flavored extract from cocoa bean. 351,913; Nov. 16; Serial No. 370,868; published Sept. 7, 1937. Class 46.

Chronicle Publishing Company, The, San Francisco, Calif. Daily newspaper. 121,044; renewed Apr. 2, 1938.

Citrus Club Products, Inc., Phoenix, Ariz. Citrus fruit concentrate for use as a base to make sherbets. 351,935; Nov. 16; Serial No. 385,132; published Sept. 7, 1937. Class 46.

Colt-Cromwell Co., Inc., New York, N. Y. Boots, shoes, belts, etc. 351,942; Nov. 16; Serial No. 387,032; published Mar. 30, 1937. Class 39.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 352,088; Nov. 16; Serial No. 395,219; published Sept. 7, 1937. Class 23.

Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 352,089; Nov. 16; Serial No. 395,221; published Sept. 7, 1937. Class 23.

Continental Patent Sales Corp., Croton Falls, N. Y. Aprons. 351,999; Nov. 16; Serial No. 393,022; published Sept. 7, 1937. Class 39.

Continental Undergarment Co., Inc., Brooklyn, N. Y. Piece goods. 352,048; Nov. 16; Serial No. 394,323; published Sept. 7, 1937. Class 42.

Cullen, Margaret B., New York, N. Y. Shoelaces. 352,012; Nov. 16; Serial No. 393,529; published Sept. 7, 1937. Class 40.

Dayton Laboratories, Incorporated, The, Dayton, Ohio. Blood pressure indicating devices. 352,133; Nov. 16. Class 44.

Del Inca Mate Co., Gary, Ind. Tea. 351,970; Nov. 16; Serial No. 391,689; published Sept. 7, 1937. Class 46.

Devoe & Raynolds Company, Inc., New York, N. Y. Varnish. 352,124; Nov. 16. Class 16.

Dumm, Edwina, New York, N. Y. Series of cartoons. 352,007; Nov. 16; Serial No. 393,322; published Sept. 7, 1937. Class 38.

Eastern Isles Importing Co., Inc., The, New York, N. Y. Pajamas, nightgowns, beach and lounging robes, etc. 351,975; Nov. 16; Serial No. 392,091; published July 13, 1937. Class 39.

Elbow Pillow Products Co., Inc., New York, N. Y. Pillows. 351,958; Nov. 16; Serial No. 389,982; published Sept. 7, 1937. Class 32.

Electric Cable Co., The, Bridgeport, Conn., assignor to Habirshaw Cable and Wire Corporation, New York, N. Y. Rubber-covered electrical wires and cables. 118,640; renewed Sept. 25, 1937.

Ely & Walker Dry Goods Company, St. Louis, Mo. Base metal hollow ware, flatware, etc. 352,015; Nov. 16; Serial No. 393,586; published Sept. 7, 1937. Class 13.

Evans Case Company, North Attleboro, Mass. Compact cases. 352,117; Nov. 16; Serial No. 395,909; published Sept. 7, 1937. Class 2.

Exhibit Supply Company, The, Chicago, Ill. Coin-controlled amusement apparatus. 352,112–3; Nov. 16; Serial Nos. 395,752–3; published Sept. 7, 1937. Class 22.

Fairbanks, Morse & Co., Chicago, Ill. Laundry washing and ironing machines. 352,065; Nov. 16; Serial No. 394,594; published Sept. 7, 1937. Class 24.

Fischer, Harry, & Company, Philadelphia, Pa. Suits, coats, and overcoats. 352,128; Nov. 16. Class 39.

Fischer's Surfa-Saver, Inc., Cincinnati, Ohio. Combination of vegetable oils and kerosene. 352,120; Nov. 16. Class 15.

Fishburger Food Products Co. (See Schwartz, Joseph K.)

Fisher, Ernest E., assignor to National Maté Corporation, New York, N. Y. Bread. 352,118; Nov. 16. Class 46.

Follmer, Clogg & Co., Inc., New York, N. Y., and Lancaster, Pa. Oiled silk umbrellas. 351,932; Nov. 16; Serial No. 383,012; published Nov. 17, 1936. Class 41.

Foster Grant Co. Inc., Leominster, Mass. Combs, hairpins, barrettes, etc. 352,018; Nov. 16; Serial No. 393,646; published Aug. 10, 1937. Class 40.

Franco Corset Company, New York, N. Y. Corsets. 352,058; Nov. 16; Serial No. 394,483; published Aug. 24, 1937. Class 39.

Frostcraft Packing Corporation, San Francisco, Calif. Fresh frozen fruits and vegetables. 351,982; Nov. 16; Serial No. 392,636; published Sept. 7, 1937. Class 46.

Gallagher & Burton, Inc., Philadelphia, Pa. Whiskey. 352,066; Nov. 16; Serial No. 394,597; published Sept. 7, 1937. Class 49.

Gaulke, Ruth B., Boston, Mass. News column. 351,940; Nov. 16; Serial No. 386,890; published Aug. 31, 1937. Class 38.

Glimbel Brothers, Inc., New York, N. Y. Whiskey. 351,938; Nov. 16; Serial No. 386,024; published Feb. 16, 1937. Class 49.

Gorman's Inc., Jersey City, N. J. Spaghetti sauce, rice and tomatoes, mushroom sauce, etc. 352,041; Nov. 16; Serial No. 394,170; published Sept. 7, 1937. Class 46.

Graceform Corset Co., Inc., New York, N. Y. Girdles, corsets, corset brassières, etc. 352,000; Nov. 16; Serial No. 393,075; published Sept. 7, 1937. Class 39.

Grant, W. T., Company, New York, N. Y. Shoe laces. 352,006; Nov. 16; Serial No. 393,275; published Aug. 10, 1937. Class 40.

Grasmann-Laderach Company, Bay City, Mich. Peanut butter. 352,119; Nov. 16. Class 46.

Gray Bros., Inc., Syracuse, N. Y. Boots and shoes. 351,973; Nov. 16; Serial No. 391,911; published Sept. 7, 1937. Class 39.

Guibert Frères Gloves, Inc., New York, N. Y. Leather gloves, ladies' hats, and leather belts for outer wear. 351,993; Nov. 16; Serial No. 392,981; published Sept. 7, 1937. Class 39.

Gussow, Peter, New York, N. Y. Women's slacks, hats, jerseys, etc. 351,955; Nov. 16; Serial No. 389,877; published Aug. 31, 1937. Class 39.

Haberman, Wm., Corporation, assignor to Air Conditioned Fabrics Corporation, New York, N. Y. Shirts, shorts, and pajamas. 351,909; Nov. 16; Serial No. 365,377; published July 16, 1935. Class 39.

Habirshaw Cable and Wire Corporation. (See Electric Cable Co., The, assignor.)

Hall, Dr. Cortez R., doing business as Sum Products Company, Detroit, Mich. Scissors and shears. 352,084; Nov. 16; Serial No. 395,193; published Sept. 7, 1937. Class 23.

Hanna & Smith, Inc., Baltimore, Md. Canned fruits, vegetables, berries and fish, catsup, pickles, etc. 352,062; Nov. 16; Serial No. 394,536; published Sept. 7, 1937. Class 46.

Hart & Sons, Los Angeles, Calif. Lounging, nightwear, and sport pajamas, nightgowns, etc. 351,976; Nov. 16; Serial No. 392,209; published Sept. 7, 1937. Class 39.

Hat Corporation of America, Norwalk, Conn. Wearing apparel. 351,978; Nov. 16; Serial No. 392,361; published Aug. 10, 1937. Class 39.

Hearst Publications, Incorporated, San Francisco, Calif. Cartoons or comic strips. 351,992; Nov. 16; Serial No. 392,949; published Sept. 7, 1937. Class 38.

Heyden Chemical Corporation, New York, N. Y. Liquid compounds or mixtures of compounds used as an anti-oxidant or anti-skinner. 352,107; Nov. 16; Serial No. 395,665; published Sept. 7, 1937. Class 16.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspenders or braces, garters, belts, etc. 351,964; Nov. 16; Serial No. 391,276; published Sept. 7, 1937. Class 39.

Hickok Oil Corporation, Toledo, Ohio. Fuel oils and lubricating oils and greases. 352,045–6; Nov. 16; Serial Nos. 394,230–1; published Sept. 7, 1937. Class 15.

Hipsh, Inc., Kansas City, Mo. Neckties. 352,002; Nov. 16; Serial No. 393,104; published Aug. 17, 1937. Class 39.

House of the Month Service, assignor to Willard Walker, Chicago, Ill. Syndicated advertising material. 352,049; Nov. 16; Serial No. 394,330; published Sept. 7, 1937. Class 38.

Huffman Chemical Corporation, The, Bedford Hills, N. Y. Tubular receptacles or containers. 351,994; Nov. 16; Serial No. 392,983; published Sept. 7, 1937. Class 2.

Huffman Chemical Corporation, The, Bedford Hills, N. Y. Unit consisting of a loaded carrier or projectile inserted in a shotgun shell, for the aforesaid shotgun shell itself, and for a shotgun shell loaded with powder, etc. 351,995; Nov. 16; Serial No. 392,984; published Sept. 7, 1937. Class 9.

Hunter Manufacturing & Commission Co., New York, N. Y., assignor to Sanford Cotton Mills, Sanford, N. C. Cotton piece goods in the gray. 119,315; renewed Nov. 13, 1937.

I. D. Watch Case Co. Inc., New York, N. Y. Watch cases. 351,996; Nov. 16; Serial No. 392,985; published Sept. 7, 1937. Class 27.

Indian Motocycle Company, Springfield, Mass. Motorcycles. 351,941; Nov. 16; Serial No. 386,946; published Sept. 7, 1937. Class 19.

International Lubricant Corporation, New Orleans, La. Petroleum products. 352,029–30; Nov. 16; Serial Nos. 393,952–3; published Sept. 7, 1937. Class 15.

International Lubricant Corporation, New Orleans, La. Lubricating oils and greases. 352,031; Nov. 16; Serial No. 393,955; published Aug. 31, 1937. Class 15.

International Lubricant Corporation, New Orleans, La. Petroleum products. 352,032; Nov. 16; Serial No. 393,956; published Sept. 7, 1937. Class 15.

International Shoe Co., St. Louis, Mo. House slippers. 351,966; Nov. 16; Serial No. 391,424; published Sept. 7, 1937. Class 39.

Interstate Folding Box Company, The, Middletown, Ohio. Empty cartons. 351,910; Nov. 16; Serial No. 365,625; published Aug. 3, 1937. Class 2.

Isaacs, I. C., & Company, Inc., Baltimore, Md. Riding breeches, jodhpurs, and riding coats and vests. 352,008; Nov. 16; Serial No. 393,381; published Sept. 7, 1937. Class 39.

Janik, Stephen, Niagara Falls, N. Y. Beverages, and sirups and extracts for making the same. 352,135; Nov. 16. Class 45.

Jay Lord Hatters, New York, N. Y. Men's hats. 352,130; Nov. 16. Class 39.

Jenath Knitwear, Inc., Brooklyn, N. Y. Women's sweaters. 352,075; Nov. 16; Serial No. 394,840; published Sept. 7, 1937. Class 39.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. 352,004; Nov. 16; Serial No. 393,174; published Sept. 7, 1937. Class 39.

Jones & Kavanaugh Co., Ltd. (See California Vegetable Union.)

Jørgensen, J., & Co., Copenhagen, Denmark. Machines used in preparing metal printing blocks. 351,924; Nov. 16; Serial No. 380,516; published Sept. 7, 1937. Class 23.

Joseph & Feiss Company, The, Cleveland, Ohio. Coats, vests, trousers, etc. 351,981; Nov. 16; Serial No. 392,494; published Sept. 7, 1937. Class 39.

Josselson Bros., Inc., Ashland, Ky. Whiskey, gin, rum, etc. 352,036; Nov. 16; Serial No. 394,087; published Sept. 7, 1937. Class 49.

Kan U Games Co. (See Weber, Theodor E.)

Katzinger, Edward, Company, The, Chicago, Ill. Base metal bake pans and cooking hollow ware. 351,917; Nov. 16; Serial No. 377,578; published Feb. 9, 1937. Class 13.

Katzinger, Edward, Company, The, Chicago, Ill. Kitchen and household tools and utensils. 351,951; Nov. 16; Serial No. 389,255; published Sept. 7, 1937. Class 23.

Keiner Williams Stamping Co., New York and Richmond Hill, to Keiner Williams Stamping Co., Richmond Hill, N. Y. Receptacles. 121,187; renewed Apr. 16, 1938.

Kettner, Magnus G., Chicago, Ill. Section, column, or cartoon. 351,931; Nov. 16; Serial No. 382,755; published Sept. 7, 1937. Class 38.

King Plow Company, Atlanta, Ga. Cultivators, plows. 352,022; Nov. 16; Serial No. 393,767; published Sept. 7, 1937. Class 23.

Kings International, Incorporated, Chicago, Ill. Whiskey, apricot liqueur, blackberry liqueur, etc. 352,114; Nov. 16; Serial No. 395,870; published Sept. 7, 1937. Class 49.

Kops Brothers, Inc., New York, N. Y. Foundation garments and girdles. 351,974; Nov. 16; Serial No. 391,917; published Aug. 24, 1937. Class 39.

Krause, Earnest J., doing business as Radiobar Company of America, Los Angeles, Calif. Combined refrigerator and beverage dispensing cabinets. 352,121; Nov. 16. Class 31.

Krebs Pigment & Color Corporation, Wilmington, Del. Paint pigments. 352,104; Nov. 16; Serial No. 395,531; published Sept. 7, 1937. Class 16.

Kreider-Creveling Shoe Co., Boston, Mass. Boots and shoes. 352,074; Nov. 16; Serial No. 394,792; published Sept. 7, 1937. Class 39.

Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. 352,093; Nov. 16; Serial No. 395,302; published Sept. 7, 1937. Class 49.

Krueger, Elmer R., doing business as Paper Art Products, Indianapolis, Ind. Paper plates, cups, and saucers. 352,126; Nov. 16. Class 2.

Leiber, Allen, Chicago, Ill. Candy bars. 352,099; Nov. 16; Serial No. 395,421; published Sept. 7, 1937. Class 46.

Les Heritiers de Marie Brizard & Roger, Achard, Glotin & Cie., Bordeaux, France. Kummel liqueur. 352,102; Nov. 16; Serial No. 395,452; published Sept. 7, 1937. Class 49.

Levy, M. S., & Sons, Inc., Baltimore, Md. Men's felt hats. 351,979; Nov. 16; Serial No. 392,431; published Aug. 10, 1937. Class 39.

Lewis, John T., & Bros. Company, Philadelphia, Pa. White lead, oxide of lead, white zinc, etc. 352,108; Nov. 16; Serial No. 395,675; published Sept. 7, 1937. Class 16.

Lewis, John T., & Bros. Company, Philadelphia, Pa. Pig lead, block tin, ingot lead, etc. 352,109–10; Nov. 16; Serial Nos. 395,676–7; published Sept. 7, 1937. Class 14.

Lewis, John T., & Bros. Company, Philadelphia, Pa. Solder and anti-friction metal alloys. 352,111; Nov. 16; Serial No. 395,678; published Sept. 7, 1937. Class 14.

Li & Fung, doing business as Ming Hing, Canton, China. Firecrackers and fireworks. 351,926; Nov. 16; Serial No. 381,198; published Sept. 7, 1937. Class 9.

Li & Fung, doing business as To-Yiu, Canton, China. Firecrackers and fireworks. 351,927–8; Nov. 16; Serial Nos. 381,199–200; published Sept. 7, 1937. Class 9.

Lilienthal, Felix, & Co., Inc., New York, N. Y. Dresses, coats, suits, etc. 352,005; Nov. 16; Serial No. 393,179; published Aug. 24, 1937. Class 39.

Livingston & Lieberman, New York, N. Y. Beach wear, sportswear, riding apparel, etc. 351,937; Nov. 16; Serial No. 385,694; published Feb. 23, 1937. Class 39.

Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Sport shoes. 352,067; Nov. 16; Serial No. 394,621; published Sept. 7, 1937. Class 39.

Long-Landreth-Schneider Company, The, New Brunswick, N. J., assignor, by mesne assignments, to United American Bosch Corporation, Springfield, Mass. Circulating systems, steam and hot-water boilers, and heaters. 120,507; renewed Feb. 12, 1937.

Love, Joseph, Inc., New York, N. Y. Children's dresses and top coats, hats, etc. 351,965; Nov. 16; Serial No. 391,280; published Aug. 24, 1937. Class 39.

Lovell Manufacturing Company, Erie, Pa. Sandals. 352,038; Nov. 16; Serial No. 394,138; published Sept. 7, 1937. Class 39.

Loyal Shirt Co., Inc., The, New York, N. Y. Ladies' pajamas, lounging robes, house coats, etc. 352,016; Nov. 16; Serial No. 393,606; published Aug. 10, 1937. Class 39.

Lumbard Shoe Company, Auburn, Maine. Shoes. 351,947; Nov. 16; Serial No. 388,844; published Aug. 24, 1937. Class 39.

Macfadden Publications, Inc., New York, N. Y. Column or page in magazines and periodicals. 352,053; Nov. 16; Serial No. 394,418; published Sept. 7, 1937. Class 38.

Macleay Duff (Distillers) Limited, Glasgow, Scotland. Scotch whisky. 351,967; Nov. 16; Serial No. 391,581; published Sept. 7, 1937. Class 49.

Macy, R. H., & Co., Inc., New York, N. Y. Rubberized hat protectors. 351,923; Nov. 16; Serial No. 379,809; published Aug. 17, 1937. Class 39.

Magella, Alfred, & Bro., New York, N. Y. Panties, chemises, slips, etc. 351,957; Nov. 16; Serial No. 389,926; published Aug. 17, 1937. Class 39.

Marlowe Equipment Inc., New York, N. Y. Hobby horses. 352,100; Nov. 16; Serial No. 395,646; published Sept. 7, 1937. Class 22.

Mar-Salle Chicago Company, Chicago, Ill. Sloe gin, rock and rye, kummel, etc. 352,094; Nov. 16; Serial No. 395,306; published Sept. 7, 1937. Class 49.

Mastercraft Specialties, Inc., New York, N. Y. Corsets. 352,025; Nov. 16; Serial No. 393,861; published Aug. 17, 1937. Class 39.

Masterstrop Corporation, Philadelphia, Pa. Mechanical razor blade strops. 352,096; Nov. 16; Serial No. 395,349; published Sept. 7, 1937. Class 23.

May Department Stores Company, The, New York, N. Y.; Baltimore, Md.; Akron and Cleveland, Ohio; Denver, Colo.; Los Angeles, Calif.; and St. Louis, Mo. Slips, nightgowns, panties, etc. 351,956; Nov. 16; Serial No. 389,896; published Aug. 10, 1937. Class 39.

Mel-Williams Company, San Francisco, Calif. Canned fruit. 351,988; Nov. 16; Serial No. 392,807; published Sept. 7, 1937. Class 46.

Metatarsal Foot Rest Shoe Shop, New York, N. Y. Shoes. 351,950; Nov. 16; Serial No. 389,142; published Sept. 7, 1937. Class 39.

Meyers, A. S. Laboratories, Inc., Queens Village, N. Y. Mineral water. 351,997; Nov. 16; Serial No. 392,994; published Sept. 7, 1937. Class 6.

Michel, Inc., Chicago, Ill. Women's and misses' coats and suits. 352,079; Nov. 16; Serial No. 395,044; published Sept. 7, 1937. Class 39.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed cloth tape. 352,054; Nov. 16; Serial No. 394,419; published Sept. 7, 1937. Class 5.

Miller Shoe Company, The, Cincinnati, Ohio. Shoes. 352,059; Nov. 16; Serial No. 394,500; published Aug. 24, 1937. Class 39.

Ming Hing. (See Li & Fung.)

Molans Specialty Shops, Ins., New York, N. Y. Women's, misses' and children's wearing apparel. 352,009; Nov. 16, 1937; Serial No. 393,439; published Aug. 24, 1937. Class 39.

Naamlooze Vennootschap Droste's Cacaoen Chocoladefabrieken, Haarlem, Netherlands. Cocoa, chocolate, candies, and pudding powder. 351,990; Nov. 16; Serial No. 392,881; published Sept. 7, 1937. Class 46.

National Maté Corporation. (See Fisher, Ernest E., assignor.)

National Pectin Products Company, Chicago, Ill. Pectous product. 352,034; Nov. 16; Serial No. 393,997; published Sept. 7, 1937. Class 46.

National Silk Co., Inc., The, South Coventry, Conn. Threads, yarns, and novelty yarns. 352,057; Nov. 16; Serial No. 394,467; published Aug. 24, 1937. Class 43.

Neville Company, The, Neville Island, Pa. Naphtha. 351,961; Nov. 16; Serial No. 390,803; published Sept. 7, 1937. Class 16.

Norcross, New York, N. Y. Greeting cards. 352,047; Nov. 16; Serial No. 394,245; published Aug. 31, 1937. Class 38.

O'Bryan & Johnson, Redlands, Calif. Fresh citrus fruits. 352,080; Nov. 16; Serial No. 395,079; published Sept. 7, 1937. Class 46.

Ogden-Utah Knitting Company, Ogden, Utah. Hosiery, underwear, outerwear, etc. 352,042; Nov. 16; Serial No. 394,184; published Sept. 7, 1937. Class 39.

Ohio River Refining and Terminal Company, Cincinnati, Ohio. Motor lubricating oils and lubricating greases. 351,912; Nov. 16; Serial No. 368,147; published Oct. 8,1935. Class 15.

Old Glory Farms Company. (See Richardson, III, Solon O.)

Oppenheim, Collins & Co. Inc., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Underwear, negligees, gloves, etc. 351,983–4; Nov. 16; Serial Nos. 392,703–3; published Sept. 7, 1937. Class 39.

Orchard Products Company, Chicago, Ill. Fruited dextrose sugar used as a food flavoring. 351,920; Nov. 16; Serial No. 378,852; published Sept. 7, 1937. Class 46.

O-RingO, Inc., Newark, N. J. Game. 352,115; Nov. 16; Serial No. 385,878; published Sept. 7, 1937. Class 22.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Elevators and parts thereof. 352,090; Nov. 16; Serial No. 395,238; published Sept. 7, 1937. Class 23.

Outlet Company, The, Providence, R. I. Women's, ladies', and misses' shoes. 351,936; Nov. 16; Serial No. 385,638; published Aug. 10, 1937. Class 39.

Oxytherm Company. (See Cheney, William H.)

Pacific Packing Company, Oakdale, Calif. Canned fruits and vegetables. 352,085; Nov. 16; Serial No. 395,201; published Sept. 7, 1937. Class 46.

Paper Art Products. (See Krueger, Elmer R.)

Pawtucket Standard Braid Company, Inc., Pawtucket, R. I. Shoe laces and braids. 351,922; Nov. 16; Serial No. 379,204; published Aug. 24, 1937. Class 40.

Peter, William, Brewing Corporation, The, Union City, N. J. Beer and ale. 352,105; Nov. 16; Serial No. 395,592; published Sept. 7, 1937. Class 48.

Phelps Dodge Copper Products Corporation, New York, N. Y. Brass rods. 352,134; Nov. 16. Class 14.

Phillips Process Co. Inc., Rochester, N. Y. Carbon paper and typewriter ribbons. 352,100; Nov. 16; Serial No. 395,431; published Sept. 7, 1937. Class 11.

Phillips, Rosa, doing business as R. Phillips Co., Nogales, Ariz. Fresh tomatoes. 352,098; Nov. 16; Serial No. 395,381; published Sept. 7, 1937. Class 46.

Placentia Mutual Orange Association, Placentia, Calif. Fresh citrus fruit. 352,097; Nov. 16; Serial No. 395,353; published Sept. 7, 1937. Class 46.

Porto Rico Pale Dry Co., The, Philadelphia, Pa. Maltless beverage. 352,068; Nov. 16; Serial No. 394,632; published Sept. 7, 1937. Class 45.

Prodiscon Products, Incorporated, Minneapolis, Minn. Hose supporters for women and children. 351,980; Nov. 16; Serial No. 392,451; published Aug. 17, 1937. Class 39.

Publishers Syndicate, Chicago, Ill. Newspaper section or column. 352,060; Nov. 16; Serial No. 394,507; published Sept. 7, 1937. Class 38.

Puritan Mills, Inc., Chicago, Ill. Dry preparation for pie crust, tarts, cobblers, etc. 351,946; Nov. 16; Serial No. 388,727; published Sept. 7, 1937. Class 46.

R K O Radio Pictures, Inc., New York, N. Y. Films. 351,949; Nov. 16; Serial No. 389,037; published Sept. 7, 1937. Class 26.

Radiobar Company of America. (See Krause, Earnest J.)

Ramon-Robert Inc., New York, N. Y. Piece goods in the form of silk fabrics. 352,073; Nov. 16; Serial No. 394,775; published Sept. 7, 1937. Class 42.

Rawlplug Company, Inc., The, New York, N. Y. Screw anchors. 352,026; Nov. 16; Serial No. 393,873; published Sept. 7, 1937. Class 13.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 351,939; Nov. 16; Serial No. 386,223; published Jan. 12, 1937. Class 49.

Republic Steel Corporation, Youngstown, Ohio. Metallic fence posts. 351,914; Nov. 16; Serial No. 372,739; published June 2, 1936. Class 13.

Richardson, Colon O., III, doing business as Old Glory Farms Company, Pemberville, Ohio. Eggs, poultry, live stock feed, and poultry feed. 351,953; Nov. 16; Serial No. 389,377; published Sept. 7, 1937. Class 46.

Richmond-Chase Company, San Jose, Calif. Tomato juice. 352,123; Nov. 16. Class 46.

Rogers, H. L. K., Los Angeles, Calif. Newspaper column. 352,035; Nov. 16; Serial No. 394,055; published Sept. 7, 1937. Class 38.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, etc. 352,122; Nov. 16.

Rubin, Samuel L., doing business as Rubin Bedding Co., Chicago, Ill. Bed springs. 351,963; Nov. 16; Serial No. 391,090; published Sept. 7, 1937. Class 32.

St. Joseph Hat & Cap Company, St. Joseph, Mo. Hats and caps. 351,962; Nov. 16; Serial No. 390,809; published Sept. 7, 1937. Class 39.

Sanford Cotton Mills. (See Hunter Manufacturing & Commission Co., assignor.)

Schechner, A. H., & Son, New York, N. Y. Fur scarfs and fur coats. 352,011; Nov. 16; Serial No. 393,506; published Sept. 7, 1937. Class 39.

Schmitt, George P., doing business as Schmitt Laboratory Products, New York, N. Y. Safety razors. 351,918; Nov. 16; Serial No. 378,098; published Sept. 7, 1937. Class 23.

Schönfeld, Firma Paul, Chemnitz, Germany. Hosiery, dresses, coats, etc. 351,929; Nov. 16; Serial No. 382,350; published Sept. 7, 1937. Class 39.

Schreter, A., & Sons Co., Inc., Baltimore, Md. Neckties. 352,127; Nov. 16. Class 39.

Schumacher, F., & Co., New York, N. Y. Upholstery and drapery fabrics, and textile rugs. 352,037; Nov. 16; Serial No. 394,100; published Sept. 7, 1937. Class 42.

Schwab, Armand, & Co., Inc., New York, N. Y. Hat bodies and hat hoods. 352,043; Nov. 16; Serial No. 394,214; published Sept. 7, 1937. Class 39.

Schwartz, Jack, Los Angeles, Calif. Handkerchiefs. 352,001; Nov. 16; Serial No. 393,088; published Aug. 17, 1937. Class 39.

Schwartz, Joseph K., doing business as Fishburger Food Products Co., Chicago, Ill. Canned fish food cakes. 352,069; Nov. 16; Serial No. 394,639; published Sept. 7, 1937. Class 46.

Sea Glade Cravats Inc., New York, N. Y. Neckties. 351,998; Nov. 16; Serial No. 393,005; published Aug. 10, 1937. Class 39.

Sears, Roebuck and Co., Chicago, Ill. Men's shoes. 351,948; Nov. 16; Serial No. 388,852; published Sept. 7, 1937. Class 39.

Shill, Harry E., New York, N. Y. Men's knit and woven underwear, shirts and hosiery. 352,052; Nov. 16; Serial No. 394,390; published Sept. 7, 1937. Class 39.

Shoecraft, Inc., New York, N. Y. Women's shoes. 351,945; Nov. 16; Serial No. 388,075; published Mar. 23, 1937. Class 39.

Silberberg, Arthur M., New York, N. Y. Men's and boys' neckties. 352,050; Nov. 16; Serial No. 394,353; published Sept. 7, 1937. Class 39.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton goods in the piece. 351,959; Nov. 16; Serial No. 390,384; published May 25, 1937. Class 42.

Smooke, Maurice, doing business as Standard Handkerchief Co., New York, N. Y. Handkerchiefs. 351,985; Nov. 16; Serial No. 392,716; published Sept. 7, 1937. Class 39.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. 351,925; Nov. 16; Serial No. 381,007; published Oct. 6, 1936. Class 15.

Solomon & Birnbaum Inc., New York, N. Y. Silk, satin, and rayon piece goods. 352,063; Nov. 16; Serial No. 394,560; published Sept. 7, 1937. Class 42.

Spalsbury-Steis-Deevers Shoe Company, Fredericktown, Mo. Shoes. 351,989; Nov. 16; Serial No. 392,817; published Aug. 24, 1937. Class 39.

Spear & Company, Pittsburgh, Pa. Men's suits. 352,095; Nov. 16; Serial No. 395,320; published Sept. 7, 1937. Class 39.

Standard Garment Co. Inc., New York, N. Y. Dresses, outer skirts, blouses, etc. 352,010; Nov. 16; Serial No. 393,453; published Sept. 7, 1937. Class 39.

Standard Handkerchief Co. (See Smooke, Maurice.)

Stearns, R. H., Company, Boston, Mass. Shoes. 352,017; Nov. 16; Serial No. 393,621; published Aug. 24, 1937. Class 39.

Sterlek Company Inc., The, Brooklyn, N. Y. Facial tissues. 352,125; Nov. 16. Class 37.

Stetson, John B., Company, Philadelphia, Pa. Hats. 351,986; Nov. 16; Serial No. 392,718; published Aug. 10, 1937. Class 39.

Stetson Shoe Company, Inc., The, Weymouth, Mass. Boots and shoes. 352,039; Nov. 16; Serial No. 394,149; published Sept. 7, 1937. Class 39.

Stone's Clothes, Inc., Canton, Ohio. Suits, overcoats, topcoats, and trousers. 351,919; Nov. 16; Serial No. 378,718; published Aug. 11, 1936. Class 39.

Strouse, Adler Company, The, New Haven, Conn. Women's undergarments. 352,055; Nov. 16; Serial No. 394,437; published Aug. 24, 1937. Class 39.

Sun Products Company. (See Hall, Dr. Cortez R.)

Superb Glove Company, The, Johnstown, N. Y. Gloves. 351,911; Nov. 16; Serial No. 367,977; published Jan. 5, 1937. Class 39.

Syracuse Brewery, Inc., Syracuse, N. Y. Lager-beer. 352,103; Nov. 16; Serial No. 395,495; published Sept. 7, 1937. Class 48.

Tavi, Felix, New York, N. Y. Hats, scarfs, mittens, etc. 351,934; Nov. 16; Serial No. 385,115; published Sept. 7, 1937. Class 39.

Thomas Manufacturing Co., The, Baltimore, Md. Prepared chalk and whiting for medicinal purposes. 120,301; renewed Jan. 29, 1938.

Toledo Steel Products Company, The, Toledo, Ohio. Pistons. 352,086; Nov. 16; Serial No. 395,206; published Sept. 7, 1937. Class 23.

To-Yiu. (See Li & Fung.)

Uniflow Manufacturing Co., Erie, Pa. Water pumps, cellar drainer pumps, beer pumps, etc. 351,943; Nov. 16; Serial No. 387,715; published May 18, 1937. Class 23.

United American Bosch Corporation. (See Long-Landreth-Schneider Company, The, assignor.)

Val Antuono Distributing Company, Inc., Tampa, Fla. Wines. 352,020; Nov. 16; Serial No. 393,741; published Sept. 7, 1937. Class 47.

Van Raalte Company, New York, N. Y. Fabric gloves. 351,971; Nov. 16; Serial No. 391,784; published Aug. 10, 1937. Class 39.

Walker, Willard. (See House of the Month Service, assignor.)

Wall Rope Works, Inc., Beverly, N. J., and New York, N. Y. Manila rope. 352,064; Nov. 16; Serial No. 394,565; published Sept. 7, 1937. Class 7.

Warner Brothers Company, The, Bridgeport, Conn. Underwear. 352,033; Nov. 16; Serial No. 393,966; published Aug. 17, 1937. Class 39.

Weber, Theodor E., doing business as Kan U Games Co., Detroit, Mich. Games. 351,977; Nov. 16; Serial No. 392,302; published Sept. 7, 1937. Class 22.

Wee Tog Manufacturing Company, Philadelphia, Pa., and New York, N. Y. Children's dresses, playsuits, and bonnets. 352,027; Nov. 16; Serial No. 393,882; published Sept. 7, 1937. Class 39.

Western Leather Clothing Company, St. Louis, Mo. Outer jackets. 352,056; Nov. 16; Serial No. 394,442; published Sept. 7, 1937. Class 39.

Williams, R. C., & Company, Inc., New York, N. Y. Olive oil. 352,051; Nov. 16; Serial No. 394,360; published Sept. 7, 1937. Class 46.

Wilson Fastener Company, The, Cleveland, Ohio. Snap fasteners. 351,916; Nov. 16; Serial No. 376,973; published Aug. 17, 1937. Class 40.

Wisconsin Cheese Publicity Association, Inc., Kiel, Wis. Cheese. 351,930; Nov. 16; Serial No. 382,543; published May 25, 1937. Class 46.

Wolverine Brass Works, Grand Rapids, Mich. Traps, mixing valves, flush valves, etc. 352,023; Nov. 16; Serial No. 393,827; published Sept. 7, 1937. Class 13.

Wulf Bros, Inc., New York, N. Y. Suits, overcoats, and topcoats. 351,952; Nov. 16; Serial No. 389,289; published Sept. 7, 1937. Class 39.

LIST OF REGISTRANTS OF LABELS

American Distilling Company, The, Baltimore, Md., and Pekin, Ill. Monogram. For Blended Whiskey. 50,361; Nov. 16.

Eastern Trading Company. (See Finkelstein, William.)

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. This Hair Net is Made by Hand of Fine Quality Re-Sterilized Human Hair, Which Matches Hair So Perfectly that it is Not Perceptible to the Eye. For Hair Nets. 50,362; Nov. 16.

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. The Perfect Human Hair Net. For Hair Nets. 50,363; Nov. 16.

G. H. S. Corp, New York, N. Y. Tourist Hair Net. For Hair Nets. 50,364; Nov. 16.

Gilbert, A. C., Company, The, New Haven, Conn. Gilbert Electric Eye. For Electric Eye Sets. 50,365; Nov. 16.

Hoague-Sprague Corporation, Lynn, Mass. Earles Beautiful Shoes. For Boxes. 50,366; Nov. 16.

Mannings, Inc., San Francisco, Calif. Formosa Oolong Tea—Mannings Choice Oolong Tea. For Tea. 50,367; Nov. 16.

Mannings, Inc., San Francisco, Calif. China Gunpowder Tea—Mannings China Green Tea. For Tea. 50,368; Nov. 16.

Mannings, Inc., San Francisco, Calif. English Breakfast Tea—Mannings China Black Tea. For Tea. 50,369; Nov. 16.

Minnesota Valley Canning Company, Le Sueur, Minn. Hi Ho. For Canned Peas. 50,370; Nov. 16.

Mono Service Co., Newark, N. J. Cheerio the Personal Kup. For Hot and Cold Drinks. 50,371; Nov. 16.

Pestend Products Co., New York, N. Y. Pestend. For Roach Paste. 50,372; Nov. 16.

Pollock Paper & Box Company, Dallas, Tex. Creamery Butter. For Butter. 50,373; Nov. 16.

Tennison Brothers, Inc., Memphis, Tenn. Happy Home Brand. For Tubs and Pails. 50,374; Nov. 16.

Tidewater Optical Co., Inc., Norfolk, Va. Korrected-Kurve Kryptok. For Spectacles. 50,375; Nov. 16.

"X" Laboratories, Inc., New York, N. Y. "X" Pipecut Oil. For a Pipe Thread Cutting Oil. 50,376; Nov. 16.

"X" Laboratories, Inc., New York, N. Y. "X" Pipejoin Seals. For a Pipe Sealing and Joining Compound. 50,377; Nov. 16.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. Eat Candy for Fun. For Candy. 16,571; Nov. 16.

Awful Fresh MacFarlane, Oakland and San Francisco, Calif. .34¢ Each for My Candy Shanty. For Candy. 16,572; Nov. 16.

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. The True Story of Bigelow Rugs & Carpets. For Carpets and Rugs. 16,573; Nov. 16.

General Mills, Inc., Minneapolis, Minn. A Breakfast of Champions—It's the Tops! Ellsworth Vines World's Best Tennis Player. For Cereal Food. 16,575; Nov. 16.

Musebeck Shoe Company, Danville, Ill. Do Your Feet Hurt? How Health Spot Shoes Keep Ankles Straight Here's Foot Comfort! For Shoes. 16,576; Nov. 16.

Parke, Davis & Company, Detroit, Mich. Parke-Davis Standardized Vitamin Products. For Vitamin Products in Concentrated Form. 16,577; Nov. 16.

Sales Affiliates, Inc., New York, N. Y. Loxol. For an Oil Shampoo Tint. 16,578; Nov. 16.

The Cream of Wheat Corporation, Minneapolis, Minn. Go, Team Go! For Wheat Breakfast Food. 16,574; Nov. 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Cartons, Empty. Interstate Folding Box Company. 351,910; Nov. 16; Serial No. 365,625; published Aug. 3, 1937.
Cases, Compact. Evans Case Company. 352,117; Nov. 16; Serial No. 395,909; published Sept. 7, 1937.
Plates, cups, and saucers, Paper. E. R. Krueger. 352,126; Nov. 16.
Receptacles. Keiner Williams Stamping Co. 121,187; renewed Apr. 16, 1938.
Receptacles or containers, Tubular. Huffman Chemical Corporation. 351,994; Nov. 16; Serial No. 392,983; published Sept. 7, 1937.

CLASS 5

Gummed cloth tape. Mid-States Gummed Paper Co. 352,054; Nov. 16; Serial No. 394,419; published Sept. 7, 1937.

CLASS 6

Chalk and whiting for medicinal purposes, Prepared. Thomas Manufacturing Co. 120,301; renewed Jan. 29, 1938.
Mineral water. A. S. Meyers Laboratories, Inc. 351,997; Nov. 16; Serial No. 392,994; published Sept. 7, 1937.

CLASS 7

Rope, Manila. Wall Rope Works, Inc. 352,064; Nov. 16; Serial No. 394,565; published Sept. 7, 1937.

CLASS 9

Firecrackers and fireworks. Li & Fung. 351,926–8; Nov. 16; Serial Nos. 381,198–200; published Sept. 7, 1937.
Unit consisting of a loaded carrier or projectile inserted in a shotgun shell, for the aforesaid shotgun shell itself, and for a shotgun shell loaded with powder, etc. Huffman Chemical Corporation. 351,995; Nov. 16; Serial No. 392,984; published Sept. 7, 1937.

CLASS 11

Carbon paper and typewriter ribbons. Phillips Process Co. Inc. 352,100; Nov. 16; Serial No. 395,431; published Sept. 7, 1937.
Inks, Printing. Ault & Wiborg Corporation. 352,091; Nov. 16; Serial No. 395,260; published Sept. 7, 1937.

CLASS 13

Anchors, Screw. Rawlplug Company. 352,026; Nov. 16; Serial No. 393,873; published Sept. 7, 1937.
Fence posts, Metallic. Republic Steel Corporation. 351,914; Nov. 16; Serial No. 372,748; published June 2, 1936.
Hollow ware, flat ware, etc., Base metal. Ely & Walker Dry Goods Company. 352,015; Nov. 16; Serial No. 393,586; published Sept. 7, 1937.
Letters or characters made of metal. Chicago Hardware and Fixture Company. 351,921; Nov. 16; Serial No. 378,976; published Sept. 7, 1937.
Pans and cooking hollow ware, Base metal bake. Edward Katzinger Company. 351,917; Nov. 16; Serial No. 377,578; published Feb. 9, 1937.
Traps, mixing valves, flush valves, etc. Woverine Brass Works. 352,023; Nov. 16; Serial No. 393,827; published Sept. 7, 1937.

CLASS 14

Brass rods. Phelps Dodge Copper Products Corporation. 352,134; Nov. 16.
Lead, block tin, Ingot lead, etc., Pig. John T. Lewis & Bros. Company. 352,109–10; Nov. 16; Serial Nos. 395,676–7; published Sept. 7, 1937.
Solder and anti-friction metal alloys. John T. Lewis & Bros. Company. 352,111; Nov. 16; Serial No. 395,678; published Sept. 7, 1937.

CLASS 15

Oil, Lubricating. Socony-Vacuum Oil Company. 351,925; Nov. 16; Serial No. 381,007; published Oct. 6, 1936.
Oils and greases, Lubricating. Canfield Oil Company. 352,132; Nov. 16.
Oils and greases, Lubricating. International Lubricant Corporation. 352,031; Nov. 16; Serial No. 393,955; published Aug. 31, 1937.
Oils and kerosene, Combination of vegetable. Fischer's Surfa-Saver, Inc. 352,120; Nov. 16.
Oils and lubricating greases, Motor lubricating. Ohio River Refining and Terminal Company. 351,912; Nov. 16; Serial No. 368,147; published Oct. 8, 1937.
Oils and lubricating oils and greases, Fuel. Hickok Oil Corporation. 352,045–6; Nov. 16; Serial Nos. 394,230–1; published Sept. 7, 1937.
Petroleum products. International Lubricant Corporation. 352,029–30; Nov. 16; Serial Nos. 393,952–3; published Sept. 7, 1937.
Petroleum products. International Lubricant Corporation. 352,032; Nov. 16; Serial No. 393,956; published Sept. 7, 1937.

CLASS 16

Compounds or mixtures of compounds used as an anti-oxidant or anti-skinner, Liquid. Heyden Chemical Corporation. 352,107; Nov. 16; Serial No. 395,665; published Sept. 7, 1937.
Naphtha. Neville Company. 351,961; Nov. 16; Serial No. 390,803; published Sept. 7, 1937.
Paint pigments. Krebs Pigment & Color Corporation. 352,104; Nov. 16; Serial No. 395,531; published Sept. 7, 1937.
Varnish. Devoe & Raynolds Company. 352,124; Nov. 16.
White lead, oxide of lead, white zinc, etc. John T. Lewis & Bros. Company. 352,108; Nov. 16; Serial No. 395,675; published Sept. 7, 1937.

CLASS 19

Blades and arms for windshield wipers. Anderson Company. 352,013; Nov. 16; Serial No. 393,567; published Sept. 7, 1937.
Motorcycles. Indian Motocycle Company. 351,941; Nov. 16; Serial No. 386,946; published Sept. 7, 1937.

CLASS 21

Wires and cables, Rubber-covered electrical. Electric Cable Co. 118,640; renewed Sept. 25, 1937.

CLASS 22

Amusement apparatus, Coin controlled. Exhibit Supply Company. 352,112–13; Nov. 16; Serial Nos. 395,752–3; published Sept. 7, 1937.
Game. O-Ring-O, Inc. 352,115; Nov. 16; Serial No. 395,878; published Sept. 7, 1937.
Games. T. E. Weber. 351,977; Nov. 16; Serial No. 392,302; published Sept. 7, 1937.
Hobby horses. Marlowe Equipment Inc. 352,106; Nov. 16; Serial No. 395,646; published Sept. 7, 1937.

CLASS 23

Cultivators, plows. King Plow Company. 352,022; Nov. 16; Serial No. 393,767; published Sept. 7, 1937.
Elevators and parts thereof. Otis Elevator Company. 352,090; Nov. 16; Serial No. 395,238; published Sept. 7, 1937.
Knives. California Fruit Growers Exchange. 352,087; Nov. 16; Serial No. 395,217; published Sept. 7, 1937.
Machines used in preparing metal printing blocks. J. Jørgensen & Co. 351,924; Nov. 16; Serial No. 380,516; published Sept. 7, 1937.
Pistons. Toledo Steel Products Company. 352,086; Nov. 16; Serial No. 395,206; published Sept. 7, 1937.
Pumps, cellar drainer pumps, beer pumps, etc., Water. Uniflow Manufacturing Co. 351,943; Nov. 16; Serial No. 387,715; published May 18, 1937.
Razors and razor blades. Conrad Razor Blade Co. Inc. 352,088; Nov. 16; Serial No. 395,219; published Sept. 7, 1937.
Razors and razor blades. Conrad Razor Blade Co. Inc. 352,089; Nov. 16; Serial No. 395,221; published Sept. 7, 1937.
Razors, Safety. G. P. Schmitt. 351,918; Nov. 16; Serial No. 378,098; published Sept. 7, 1937.
Scissors and shears. C. R. Hall. 352,084; Nov. 16; Serial No. 395,193; published Sept. 7, 1937.
Strops, Mechanical razor blade. Masterstrop Corporation. 352,096; Nov. 16; Serial No. 395,349; published Sept. 7, 1937.
Tools and utensils, Kitchen and household. Edward Katzinger Company. 351,951; Nov. 16; Serial No. 389,255; published Sept. 7, 1937.

CLASS 24

Washing and ironing machines, Laundry. Fairbanks, Morse & Co. 352,065; Nov. 16; Serial No. 394,594; published Sept. 7, 1937.

CLASS 26

Films. R K O Radio Pictures, Inc. 351,949; Nov. 16; Serial No. 380,037; published Sept. 7, 1937.

CLASS 27

Watch cases. I. D. Watch Case Co. Inc. 351,996; Nov. 16; Serial No. 392,985; published Sept. 7, 1937.
Watches. A. C. Becken Co. 352,129; Nov. 16.

CLASS 28

Knives, forks, spoons, etc. Rogers, Lunt & Bowlen Company. 352,122; Nov. 16.

CLASS 31

Filters, Water. Berkefeld Filters & Water Softeners Limited. 352,131; Nov. 16.
Refrigerator and beverage dispensing cabinets, Combined. E. J. Krause. 352,121; Nov. 16.

CLASS 32

Bed springs. S. L. Rubin. 351,963; Nov. 16; Serial No. 391,090; published Sept. 7, 1937.
Pillows, Elbow Pillow Products Co. 351,958; Nov. 16; Serial No. 389,982; published Sept. 7, 1937.

CLASS 34

Circulating systems, steam and hot-water boilers, and heaters. Long-Landreth-Schneider Company. 120,507; renewed Feb. 12, 1938.
Gas generators and distribution units therefor. W. H. Cheney. 351,987; Nov. 16; Serial No. 392,744; published Sept. 7, 1937.

CLASS 35

Brake lining. Bendix Products Corporation. 351,933; Nov. 16; Serial No. 384,316; published Sept. 7, 1937.
Piston rings. Burd Piston Ring Company. 352,092; Nov. 16; Serial No. 395,272; published Sept. 7, 1937.

CLASS 37

Tissues, Facial. Sterilek Company Inc. 352,125; Nov. 16.

CLASS 38

Advertising material, Syndicated. House of the Month Service. 352,049; Nov. 16; Serial No. 394,330; published Sept. 7, 1937.
Books, Music. Amsco Music Sales Co. Inc. 352,028; Nov. 16; Serial No. 393,890; published Sept. 7, 1937.
Cards, Greeting. Norcross. 352,047; Nov. 16; Serial No. 394,245; published Aug. 31, 1937.
Cartoons or comic strips. Hearst Publications, Incorporated. 351,992; Nov. 16; Serial No. 392,949; published Sept. 7, 1937.
Cartoons, Series of. E. Dumm. 352,007; Nov. 16; Serial No. 393,322; published Sept. 7, 1937.
Charts and periodicals, Rate. Automobile Banking Corporation. 351,915; Nov. 16; Serial No. 372,819; published Sept. 7, 1937.
Column or page in magazines and periodicals. Macfadden Publications, Inc. 352,053; Nov. 16; Serial No. 394,418; published Sept. 7, 1937.
News column. R. B. Caulke. 351,940; Nov. 16; Serial No. 386,890; published Aug. 31, 1937.
Newspaper column. H. L. K. Rogers. 352,035; Nov. 16; Serial No. 394,055; published Sept. 7, 1937.
Newspaper, Daily. Chronicle Publishing Company. 121,044; renewed Apr. 2, 1938.
Newspaper section or column. Publishers Syndicate. 352,060; Nov. 16; Serial No. 394,507; published Sept. 7, 1937.
Periodical. G. C. Braun. 352,061; Nov. 16; Serial No. 394,529; published Sept. 7, 1937.
Publication, Humorous. Bond Club of New York. 351,972; Nov. 16; Serial No. 391,901; published Sept. 7, 1937.
Publication, Monthly, Baers'. 118,487; renewed Sept. 18, 1937.
Section, column, or cartoon. M. G. Kettner. 351,931; Nov. 16; Serial No. 382,755; published Sept. 7, 1937.

CLASS 39

Apparel, Wearing. Hat Corporation of America. 351,978; Nov. 16; Serial No. 392,361; published Aug. 10, 1937.
Apparel, Women's, misses', and children's wearing. Molans Specialty Shops, Inc. 352,009; Nov. 16; Serial No. 393,439; published Aug. 24, 1937.
Aprons. Continental Patent Sales Corp. 351,999; Nov. 16; Serial No. 393,022; published Sept. 7, 1937.
Boots and shoes. Gray Bros., Inc. 351,973; Nov. 16; Serial No. 391,911; published Sept. 7, 1937.
Boots and shoes. Kreider-Creveling Shoe Co. 352,074; Nov. 16; Serial No. 394,792; published Sept. 7, 1937.
Boots and shoes. Stetson Shoe Company. 352,039; Nov. 16; Serial No. 394,149; published Sept. 7, 1937.
Boots, shoes, belts, etc. Colt-Cromwell Co. 351,942; Nov. 16; Serial No. 387,032; published Mar. 30, 1937.
Breeches, jodhpurs, and riding coats and vests, Riding. I. C. Isaacs & Company. 352,008; Nov. 16; Serial No. 393,381; published Sept. 7, 1937.
Coats and suits, Women's and misses'. Michel, Inc. 352,079; Nov. 16; Serial No. 395,044; published Sept. 7, 1937.
Coats, vests, trousers, etc. Joseph & Feiss Company. 351,981; Nov. 16; Serial No. 392,494; published Sept. 7, 1937.
Coats, sport coats, topcoats, etc. Allied Stores Corporation. 351,960; Nov. 16; Serial No. 390,496; published Sept. 7, 1937.
Corsets. Franco Corset Company. 352,058; Nov. 16; Serial No. 394,483; published Aug. 24, 1937.
Corsets. Mastercraft Specialties, Inc. 352,025; Nov. 16; Serial No. 393,861; published Aug. 17, 1937.
Dresses and top coats, hats, etc., Children's. Joseph Love, Inc. 351,965; Nov. 16; Serial No. 391,280; published Aug. 24, 1937.
Dresses, coats, suits, etc. Felix Lilienthal & Co. 352,005; Nov. 16; Serial No. 393,179; published Aug. 24, 1937.
Dresses, outer skirts, blouses, etc. Standard Garment Co., Inc. 352,010; Nov. 16; Serial No. 393,453; published Sept. 7, 1937.
Dresses, playsuits, and bonnets, Children's. Wee Tog Manufacturing Company. 352,027; Nov. 16; Serial No. 393,882; published Sept. 7, 1937.
Dresses, suits and coats, and men's and boys' coats and suits. Bagdenow Bros. Inc. 352,101; Nov. 16; Serial No. 395,442; published Sept. 7, 1937.
Garments and girdles, Foundation. Kops Brothers, Inc. 351,974; Nov. 16; Serial No. 391,917; published Aug. 24, 1937.
Garments, Foundation. William Carter Company. 352,072; Nov. 16; Serial No. 394,744; published Sept. 7, 1937.
Garments, Gabardine. Alligator Company. 352,021; Nov. 16; Serial No. 393,747; published Aug. 10, 1937.
Girdles, brassières, bandeaux, etc. S. Blechman & Sons, Inc. 352,003; Nov. 16; Serial No. 393,111; published Aug. 17, 1937.
Girdles, corsets, corset brassières, etc. Graceform Corset Co. 352,000; Nov. 16; Serial No. 393,075; published Sept. 7, 1937.
Gloves. Superb Glove Company. 351,911; Nov. 16; Serial No. 367,977; published Jan. 5, 1937.
Gloves, Fabric. Van Raalte Company. 351,971; Nov. 16; Serial No. 391,784; published Aug. 10, 1937.
Gloves, ladies' hats, and leather belts for outer wear, Leather. Guibert Frères Gloves, Inc. 351,993; Nov. 16; Serial No. 392,981; published Sept. 7, 1937.
Handkerchiefs. J. Schwartz. 352,001; Nov. 16; Serial No. 393,088; published Aug. 17, 1937.
Handkerchiefs. M. Smooke. 351,985; Nov. 16; Serial No. 392,716; published Sept. 7, 1937.
Hat bodies and hat hoods. Armand Schwab & Co. 352,043; Nov. 16; Serial No. 394,214; published Sept. 7, 1937.
Hat protectors, Rubberized. R. H. Macy & Co. 351,923; Nov. 16; Serial No. 379,809; published Aug. 17, 1937.
Hats. John B. Stetson Company. 351,986; Nov 16; Serial No. 392,718; published Aug. 10, 1937.
Hats and berets. American Mayfair Corp. 351,944; Nov. 16; Serial No. 387,774; published Aug. 24, 1937.
Hats and caps. St. Joseph Hat & Cap Company. 351,962; Nov. 16; Serial No. 390,809; published Sept. 7, 1937.
Hats, Men's. Jay Lord Hatters. 352,130; Nov. 16.
Hats, Men's felt. M. S. Levy & Sons, Inc. 351,979; Nov. 16; Serial No. 392,431; published Aug. 10, 1937.
Hats, scarfs, mittens, etc. F. Tavi. 351,934; Nov. 16; Serial No. 385,115; published Sept. 7, 1937.
Hosiery, dresses, coats, etc. Firma Paul Schönfeld. 351,929; Nov. 16; Serial No. 382,350; published Sept. 7, 1937.
Hosiery, underwear, outerwear, etc. Ogden-Utah Knitting Company. 352,042; Nov. 16; Serial No. 394,184; published Sept. 7, 1937.
Jackets. Western Leather Clothing Company. 352,056; Nov. 16; Serial No. 394,442; published Sept. 7, 1937.
Neckties. Hipsh, Inc. 352,002; Nov. 16; Serial No. 393,104; published Aug. 17, 1937.
Neckties. A. Schreter & Sons Co. 352,127; Nov. 16.
Neckties. Sea Glade Cravats Inc. 351,998; Nov. 16; Serial No. 393,005; published Aug. 10, 1937.
Neckties, Men's and boys'. A. M. Silberberg. 352,050; Nov. 16; Serial No. 394,353; published Sept. 7, 1937.
Nightgowns, pajamas, slips, etc., Women's. Brown Durrell Co. 352,024; Nov. 16; Serial No. 393,842; published Aug. 10, 1937.
Overalls and jackets, athletic shirts and shorts, etc. Butler Brothers. 351,969; Nov. 16; Serial No. 391,619; published Aug. 10, 1937.
Pajamas, lounging robes, house coats, etc., Ladies'. Loyal Shirt Co. 352,016; Nov. 16; Serial No. 393,606; published Aug. 10, 1937.
Pajamas, nightgowns, beach and lounging robes, etc. Eastern Isles Importing Co. 351,975; Nov. 16; Serial No. 392,091; published July 13, 1937.
Pajamas, nightgowns, etc., Lounging, nightwear, and sport. Hart & Sons. 351,976; Nov. 16; Serial No. 392,209; published Sept. 7, 1937.
Panties, chemises, slips, etc. Alfred Magella & Bro. 351,957; Nov. 16; Serial No. 389,926; published Aug. 17, 1937.
Sandals. Lovell Manufacturing Company. 352,038; Nov. 16; Serial No. 394,138; published Sept. 7, 1937.
Scarfs and coats, Fur. A. H. Schechner & Son. 352,011; Nov. 16; Serial No. 393,506; published Sept. 7, 1937.
Shirts, Dress. Butler Brothers. 352,083; Nov. 16; Serial No. 395,122; published Sept. 7, 1937.
Shirts, shorts, and pajamas. Wm. Haberman Corporation. 351,909; Nov. 16; Serial No. 365,377; published July 16, 1935.
Shirts, undershorts, hats, etc. Brown-McDonald Co. 352,078–9; Nov. 16; Serial Nos. 395,013–14; published Sept. 7, 1937.
Shoes. D. Armstrong & Company. 351,991; Nov. 16; Serial No. 392,907; published Aug. 10, 1937.
Shoes. S. Bernstein. 352,044; Nov. 16; Serial No. 394,219; published Aug. 17, 1937.
Shoes. Johnson, Stephens and Shinkle Shoe Company. 352,004; Nov. 16; Serial No. 393,174; published Sept. 7, 1937.
Shoes. Lumbard Shoe Company. 351,947; Nov. 16; Serial No. 388,844; published Aug. 24, 1937.
Shoes. Metatarsal Foot Rest Shoe Shop. 351,950; Nov. 16; Serial No. 389,142; published Sept. 7, 1937.

Shoes. Miller Shoe Company. 352,059; Nov. 16; Serial No. 394,500; published Aug. 24, 1937.
Shoes. Spaulsbury-Steis-Deevers Shoe Company. 351,989; Nov. 16; Serial No. 392,817; published Aug. 24, 1937.
Shoes. R. H. Stearns Company. 352,017; Nov. 16; Serial No. 393,621; published Aug. 24, 1937.
Shoes, Men's. Sears, Roebuck and Co. 351,948; Nov. 16; Serial No. 388,852; published Sept. 7, 1937.
Shoes, Sport. Frederick Loeser & Co. 352,067; Nov. 16; Serial No. 394,621; published Sept. 7, 1937.
Shoes, Women's. Shoecraft, Inc. 351,945; Nov. 16; Serial No. 388,075; published Mar. 23, 1937.
Shoes, Women's, ladies', and misses'. Outlet Company. 351,936; Nov. 16; Serial No. 385,638; published Aug. 10, 1937.
Slacks, hats, jerseys, etc., Women's. P. Gussow. 351,955; Nov. 16; Serial No. 389,877; published Aug. 31, 1937.
Slippers, House. International Shoe Co. 351,966; Nov. 16; Serial No. 391,424; published Sept. 7, 1937.
Slips, nightgowns, panties, etc. May Department Stores Company. 351,956; Nov. 16; Serial No. 389,896; published Aug. 10, 1937.
Suits, coats, and overcoats. Harry Fischer & Company. 352,128; Nov. 16.
Suits, Men's. Spear & Company. 352,095; Nov. 16; Serial No. 395,320; published Sept. 7, 1937.
Suits, overcoats, and topcoats. Wulf Bros., Inc. 351,952; Nov. 16; Serial No. 389,289; published Sept. 7, 1937.
Suits, overcoats, topcoats, and trousers. Stone's Clothes, Inc. 351,919; Nov. 16; Serial No. 378,718; published Aug. 11, 1936.
Supporters for women and children, Hose. Prodiscon Products, Incorporated. 351,980; Nov. 16; Serial No. 392,451; published Aug. 17, 1937.
Suspenders or braces, garters, belts, etc. Hickok Manufacturing Company. 351,964; Nov. 16; Serial No. 391,276; published Sept. 7, 1937.
Sweaters, Women's. Jenath Knitwear, Inc. 352,075; Nov. 16; Serial No. 394,840; published Sept. 7, 1937.
Undergarments, Women's. Strouse, Adler Company. 352,055; Nov. 16; Serial No. 394,437; published Aug. 24, 1937.
Underwear. Warner Brothers Company. 352,033; Nov. 16; Serial No. 393,966; published Aug. 17, 1937.
Underwear, negligees, gloves, etc. Oppenheim, Collins & Co. Inc. 351,983–4; Nov. 16; Serial Nos. 392,702–3; published Sept. 7, 1937.
Underwear, shirts, and hosiery. H. E. Shill. 352,052; Nov. 16; Serial No. 394,390; published Sept. 7, 1937.
Wear, sportswear, riding apparel, etc., Beach. Livingston & Lieberman. 351,937; Nov. 16; Serial No. 385,694; published Feb. 23, 1937.
Welting for boots and shoes. Barbour Welting Company. 352,014; Nov. 16; Serial No. 393,571; published Aug. 10, 1937.

CLASS 40

Combs, hairpins, barrettes, etc. Foster Grant Co. Inc. 352,018; Nov. 16; Serial No. 393,646; published Aug. 10, 1937.
Combs. Boita Rubber Co. 351,954; Nov. 16; Serial No. 389,634; published Aug. 10, 1937.
Fasteners, Snap. Wilson Fastener Company. 351,916; Nov. 16; Serial No. 376,973; published Aug. 17, 1937.
Shoelaces. M. B. Cullen. 352,012; Nov. 16; Serial No. 393,529; published Sept. 7, 1937.
Shoe laces. W. T. Grant Company. 352,006; Nov. 16; Serial No. 393,275; published Aug. 10, 1937.
Shoe laces and braids. Pawtucket Standard Braid Company. 351,922; Nov. 16; Serial No. 379,204; published Aug. 24, 1937.

CLASS 41

Umbrellas, Oiled silk. Follmer, Clogg & Co. 351,932; Nov. 16; Serial No. 383,012; published Nov. 17, 1936.

CLASS 42

Cotton goods in the piece. Wm. Simpson Sons & Co. 351,959; Nov. 16; Serial No. 390,384; published May 25, 1937.
Cotton piece goods in the gray. Hunter Manufacturing & Commission Co. 119,315; renewed Nov. 13, 1937.
Fabrics, and textile rugs, Upholstery and drapery. F. Schumacher & Co. 352,037; Nov. 16; Serial No. 394,100; published Sept. 7, 1937.
Piece goods. Arthur Beir & Co. 352,071; Nov. 16; Serial No. 394,657; published Sept. 7, 1937.
Piece goods. Continental Undergarment Co. 352,048; Nov. 16; Serial No. 394,323; published Sept. 7, 1937.
Piece goods in the form of silk fabrics. Ramon-Robert Inc. 352,073; Nov. 16; Serial No. 394,775; published Sept. 7, 1937.
Rayon piece goods. L. Bamberger & Co. 352,081–2; Nov. 16; Serial Nos. 395,117–8; published Sept. 7, 1937.
Silk, satin, and rayon piece goods. Solomon & Birnbaum Inc. 352,063; Nov. 16; Serial No. 394,560; published Sept. 7, 1937.

CLASS 43

Threads, yarns, and novelty yarns. National Silk Co. 352,057; Nov. 16; Serial No. 394,467; published Aug. 24, 1937.

CLASS 44

Blood pressure indicating devices. Dayton Laboratories, Incorporated. 352,133; Nov. 16.

CLASS 45

Beverage, Maltless. Porto Rico Pale Dry Co. 352,068; Nov. 16; Serial No. 394,632; published Sept. 7, 1937.
Beverages, and sirups and extracts for making the same. S. Janik. 352,135; Nov. 16.
Ginger ale and soft drinks in general. D. G. Carpenter. 352,077; Nov. 16; Serial No. 394,976; published Sept. 7, 1937.
Juices and fruit juice products, Fruit. Bireley's, Inc. 351,968; Nov. 16; Serial No. 391,612; published Sept. 7, 1937.
Syrups for soft drinks, Cherry flavored. A. N. Alexander. 352,076; Nov. 16; Serial No. 394,961; published Sept. 7, 1937.

CLASS 46

Bread. E. E. Fisher. 352,118; Nov. 16.
Candy bars. A. Leiber. 352,099; Nov. 16; Serial No. 395,421; published Sept. 7, 1937.
Canned fish food cakes. J. K. Schwartz. 352,069; Nov. 16; Serial No. 394,639; published Sept. 7, 1937.
Canned fruit. Mel-Williams Company. 351,988; Nov. 16; Serial No. 392,807; published Sept. 7, 1937.
Canned fruits and vegetables. Pacific Packing Company. 352,085; Nov. 16; Serial No. 395,201; published Sept. 7, 1937.
Canned fruits, vegetables, berries, and fish, catsup, pickles, etc. Hanna & Smith, Inc. 352,062; Nov. 16; Serial No. 394,536; published Sept. 7, 1937.
Canned sardines. A/S Einar Hausvik & Co. 352,070; Nov. 16; Serial No. 394,656; published Sept. 7, 1937.
Cheese. Wisconsin Cheese Publicity Association, Inc. 351,930; Nov. 16; Serial No. 382,543; published May 25, 1937.
Cocoa, chocolate, candies, and pudding powder. Naamlooze Vennootschap Droste's Cacaoen Chocoladefabrieken. 351,990; Nov. 16; Serial No. 392,881; published Sept. 7, 1937.
Cookies. Burry Biscuit Corporation. 352,040; Nov. 16; Serial No. 394,159; published Sept. 7, 1937.
Eggs, poultry, live stock feed, and poultry feed. S. G. Richardson, III. 351,953; Nov. 16; Serial No. 389,377; published Sept. 7, 1937.
Extract from cocoa bean and milk having incorporated therewith chocolate flavored extract from cocoa bean. Choice Foods, Inc. 351,913; Nov. 16; Serial No. 370,868; published Sept. 7, 1937.
Fruit concentrate used as a base to make sherbets, Citrus. Citrus Club Products, Inc. 351,935; Nov. 16; Serial No. 385,132; published Sept. 7, 1937.
Fruit, Fresh citrus. Placentia Mutual Orange Association. 352,097; Nov. 16; Serial No. 395,353; published Sept. 7, 1937.
Fruits and vegetables, Fresh frozen. Frostkraft Packing Corporation. 351,982; Nov. 16; Serial No. 392,636; published Sept. 7, 1937.
Fruits, Fresh citrus. O'Bryan and Johnson. 352,080; Nov. 16; Serial No. 395,079; published Sept. 7, 1937.
Olive oil. R. C. Williams & Company. 352,051; Nov. 16; Serial No. 394,360; published Sept. 7, 1937.
Peanut butter. Grasmann-Laderach Company. 352,119; Nov. 16.
Pectous product. National Pectin Products Company. 352,034; Nov. 16; Serial No. 393,997; published Sept. 7, 1937.
Preparation for pie crust, tarts, cobblers, etc., Dry. Puritan Mills, Inc. 351,946; Nov. 16; Serial No. 388,727; published Sept. 7, 1937.
Rhubarb, asparagus, and cantaloups, Fresh. California Vegetable Union. 119,256; renewed Nov. 13, 1937.
Spaghetti sauce, rice and tomatoes, mushroom sauce, etc. Gorman's, Inc. 352,041; Nov. 16; Serial No. 394,170; published Sept. 7, 1937.
Sugar used as a food flavoring, Fruited dextrose. Orchard Products Company. 351,920; Nov. 16; Serial No. 378,852; published Sept. 7, 1937.
Tea. Del Inca Mate Co. 351,970; Nov. 16; Serial No. 391,689; published Sept. 7, 1937.
Tomato juice. Richmond-Chase Company. 352,123; Nov. 16.
Tomatoes, Fresh. R. Phillips. 352,098; Nov. 16; Serial No. 395,381; published Sept. 7, 1937.

CLASS 47

Wines. Austin, Nichols & Co. 352,019; Nov. 16; Serial No. 393,687; published Sept. 7, 1937.
Wines. Val Antuono Distributing Company. 352,020; Nov. 16; Serial No. 393,741; published Sept. 7, 1937.

CLASS 48

Beer and ale. William Peter Brewing Corporation. 352,105; Nov. 16; Serial No. 395,592; published Sept. 7, 1937.
Beer, Lager. Syracuse Brewery, Inc. 352,103; Nov. 16; Serial No. 395,495; published Sept. 7, 1937.

CLASS 49

Brandy. L. J. Callanan & Co. 352,116; Nov. 16; Serial No. 395,809; published Sept. 7, 1937.

Gin, rock and rye, kummel, Sloe. Mar-Salle Chicago Company. 352,094; Nov. 16; Serial No. 395,306; published Sept. 7, 1937.
Kummel liqueur. Les Heritiers de Marie Brizard & Roger, Achard, Giotin & Cie. 352,102; Nov. 16; Serial No. 395,452; published Sept. 7, 1937.
Whiskey. Gallagher & Burton, Inc. 352,066; Nov. 16; Serial No. 394,597; published Sept. 7, 1937.
Whiskey. Gimbel Brothers, Inc. 351,938; Nov. 16; Serial No. 386,024; published Feb. 16, 1937.
Whiskey. Krogman Distilling Co. 352,093; Nov. 16; Serial No. 395,302; published Sept. 7, 1937.
Whiskey, apricot liqueur, blackberry liqueur, etc. Kings International, Incorporated. 352,114; Nov. 16; Serial No. 395,870; published Sept. 7, 1937.
Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 351,939; Nov. 16; Serial No. 386,223; published Jan. 12, 1937.
Whiskey, gin, rum, etc. Josselson Bros. 352,036; Nov. 16; Serial No. 394,087; published Sept. 7, 1937.
Whisky, Scotch. Macleay Duff (Distillers) Limited. 351,967; Nov. 16; Serial No. 391,581; published Sept. 7, 1937.

LIST OF LABELS

Cheerio the Personal Kup. For Hot and Cold Drinks. Mono Service Co. 50,371; Nov. 16.
China Gunpowder Tea—Mannings China Green Tea. For Tea. Mannings, Inc. 50,368; Nov. 16.
Creamery Butter. For Butter. Pollock Paper & Box Company. 50,373; Nov. 16.
Earles Beautiful Shoes. For Boxes. Hoague-Sprague Corporation. 50,366; Nov. 16.
English Breakfast Tea—Mannings China Black Tea. For Tea. Mannings, Inc. 50,369; Nov. 16.
Formosa Oolong Tea—Mannings Choice Oolong Tea. For Tea. Mannings, Inc. 50,367; Nov. 16.
Gilbert Electric Eye. For Electric Eye Sets. A. C. Gilbert Company. 50,365; Nov. 16.
Happy Home Brand. For Tubs and Pails. Tennison Brothers, Inc. 50,374; Nov. 16.
Hi Ho. For Canned Peas. Minnesota Valley Canning Company. 50,370; Nov. 16.
Korrected-Kurve Kryptok. For Spectacles. Tidewater Optical Co. 50,375; Nov. 16.
Monogram. For Blended Whiskey. American Distilling Company. 50,361; Nov. 16.
Pestend. For Roach Paste. Pestend Products Co. 50,372; Nov. 16.
The Perfect Human Hair Net. For Hair Nets. W. Finkelstein. 50,363; Nov. 16.
This Hair Net is Made by Hand of Fine Quality Re-Sterilized Human Hair, Which Matches Hair so Perfectly that it is Not Perceptible to the Eye. For Hair Nets. W. Finkelstein. 50,362; Nov. 16.
Tourist Hair Net. For Hair Nets. G. H. S. Corp. 50,364; Nov. 16.
"X" Pipecut Oil. For a Pipe Thread Cutting Oil. "X" Laboratories, Inc. 50,376; Nov. 16.
"X" Pipejoin Seals. For a Pipe Sealing and Joining Compound. "X" Laboratories, Inc. 50,377; Nov. 16.

LIST OF PRINTS

A Breakfast of Champions—It's the Tops! Ellsworth Vines World's Best Tennis Player. For Cereal Food. General Mills, Inc. 16,575; Nov. 16.
Do Your Feet Hurt? How Health Spot Shoes Keep Ankles Straight. Here's Foot Comfort! For Shoes. Musebeck Shoe Company. 16,576; Nov. 16.
Eat Candy for Fun. For Candy. Awful Fresh MacFarlane. 16,571; Nov. 16.
Go, Team Go! For Wheat Breakfast Food. The Cream of Wheat Corporation. 16,574; Nov. 16.
Loxol. For an Oil Shampoo Tint. Sales Affiliates, Inc. 16,578; Nov. 16.
Parke-Davis Standardized Vitamin Products. For Vitamin Products in Concentrated Form. Parke, Davis & Company. 16,577; Nov. 16.
The True Story of Bigelow Rugs & Carpets. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 16,573; Nov. 16.
.34¢ Each for My Candy Shanty. For Candy. Awful Fresh MacFarlane. 16,572; Nov. 16.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Candor, Robert R., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 20,558; Nov. 16.

General Motors Corporation. (See Candor, Robert R., assignor.)

Highfill, Ernest E., deceased, by J. D. Langdon, assignee, assignor of two-thirds to G. J. Kilgen and E. W. Todd, Los Angeles, Calif. Warning light. 20,552; Nov. 16.

Kilgen, George J., et al. (See Highfill, Ernest E., assignor.)

Langdon, Jesse D. (See Highfill, Ernest E., assignor.)

Lyon, George A., Allenhurst, N. J. Ornamental plate for wheels. 20,553; Nov. 16.

Ringe, William H., Berkeley, Calif. Traveling hoist. 20,554; Nov. 16.

Risinger, Frank V., Lakewood, Ohio. Hydrocarbon fuel burning system. 20,557; Nov. 16.

Sproat, Ira E., Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y. Earthenware bodies. 20,555; Nov. 16.

Stevens, George E., Denver, Colo., assignor to Western States Machine Company, Salt Lake City, Utah. Treating massecuite. 20,556; Nov. 16.

Todd, Edward W., et al. (See Highfill, Ernest E., assignor.)

Vanderbilt, R. T., Company. (See Sproat, Ira E., assignor.)

Western States Machine Company. (See Stevens, George E., assignor.)

LIST OF DESIGN PATENTEES

Aaronson, Irving, New York, N. Y. Dress. 107,060; Nov. 16.

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Adler, Bernard, New York, N. Y. Textile fabric. 107,047; Nov. 16.

Anderson Die Casting and Engineering Corporation. (See Anderson, Edwin, assignor.)

Anderson, Edwin, assignor to Anderson Die Casting and Engineering Corporation, Los Angeles, Calif. Combination bearing support, retainer, and stop attachment for Venetian blinds. 106,955; Nov. 16.

Anderson, Edwin, assignor to Anderson Die Casting and Engineering Corporation, Los Angeles, Calif. Venetian blind tilting device. 106,956; Nov. 16.

Bailey, Truman. (See Bowen, A. S., and Bailey.)

Bars, Jacques M., New York, N. Y., assignor to Warren Telechron Company. Clock case. 107,004; Nov. 16.

Bechtol, Archie H., Daytona Beach, Fla. Table. 106,957; Nov. 16.

Bell, Morris A., Oshkosh, Wis. Game board. 106,958; Nov. 16.

Bemporad, Richard F., New York, N. Y. Rug. 107,005; Nov. 16.

Blake Manufacturing Corporation. (See Wood, Orville T., assignor.)

Blooston, Richard J., and T. K. Kelly, Jr., Minneapolis, Minn. Ring. 106,959; Nov. 16.

Boepple, Hans, New York, N. Y. Sweater. 106,960; Nov. 16.

Boepple, Hans, New York, N. Y. Sweater. 106,961; Nov. 16.

Boepple, Hans, New York, N. Y. Sweater. 106,962; Nov. 16.

Bowen, Alice S., Honolulu, Hawaii, and T. Bailey, San Francisco, Calif., assignors to S. & G. Gump Co. Necklace or analogous article. 106,963; Nov. 16.

Bowen, Alice S., Honolulu, Hawaii, and T. Bailey, San Francisco, Calif., assignors to S. & G. Gump Co. Necklace or analogous article. 106,964; Nov. 16.

Bradbury, William T., Palo Alto, assignor to James Graham Manufacturing Co., San Francisco, Calif. Circulating gas heater. 106,965; Nov. 16.

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Campbell, A. S. Co. (See Porter, William E., assignor.)

Carr-Lowrey Glass Co. (See Kohl, William R., assignor.)

Carter, Theodore L., assignor to Orchard Paper Company, St. Louis, Mo. Wrapping paper or similar article. 107,006; Nov. 16.

Cashmore, Joseph M., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Pistol-grip screw driver. 107,007; Nov. 16.

Central Metallic Casket Co. (See Raap, Peter H., assignor.)

Clemco Desk Mfg. Co. (See Fuller, Paul M., assignor.)

Cleveland Cooperative Stove Company, The. (See Schroeder, Lawrence R., assignor.)

Crane, Alexander, Cheshire, Conn. Plate or similar article. 106,966; Nov. 16.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 107,040; Nov. 16.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 107,041; Nov. 16.

Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 107,042; Nov. 16.

Dabroski, Frank, Matawan, N. J. Fountain bag or the like. 107,043; Nov. 16.

Danon, Richard W., Chicago, Ill. Combination game board and apparatus or similar article. 106,967; Nov. 16.

Dellinger, Martin C., Lancaster, Pa. Pliers. 107,008; Nov. 16.

Desoutter, Charles, London, England. Power driven hand tool unit. 107,048; Nov. 16.

De Witt, William J., Auburn, N. Y. Box or similar article. 106,968; Nov. 16.

Dixie-Vortex Company. (See Wilmet, Georges, assignor.)

Dronoff, Tima, New York, N. Y. Shoe. 107,009; Nov. 16.

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Excel Projector Corp. (See Levey, Max, assignor.)

Fegley, Thomas J., Jenkintown, and George O. Leopold, assignors to North Bro's M'f'g Co., Philadelphia, Pa. Ice crusher. 107,010; Nov. 16.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Portable power unit. 106,969; Nov. 16.

Fracchia, Pauline, New York, N. Y. Dress. 107,049; Nov. 16.

Fracchia, Pauline, New York, N. Y. Dress. 107,050; Nov. 16.

Fried, Benjamin, New York, N. Y. Dress. 107,011; Nov. 16.

Fried, Benjamin, New York, N. Y. Dress. 107,012; Nov. 16.

Fuller, Paul M., assignor to Clemco Desk Mfg. Co., Chicago, Ill. Desk. 106,970; Nov. 16.

Gadberry, Ward M. (See Kramer, Andrew A. and J. M., and Gadberry.)

Geffner, Samuel H., Brooklyn, N. Y. Coffee percolator. 107,044; Nov. 16.

Gilby, George T., Brighton, England, assignor to The Wallingford Company, Incorporated, Wallingford, Conn. Bowl or similar article of hollow ware. 106,971; Nov. 16.

Goldman, Harry, New York, N. Y. Dress. 107,051; Nov. 16.

Goldman, Harry, New York, N. Y. Dress. 107,052; Nov. 16.

Goldman, Harry, New York, N. Y. Dress. 107,053; Nov. 16.

Graham, James, Manufacturing Co. (See Bradbury, William T., assignor.)

Green, Frank W., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 107,039; Nov. 16.

Groebli, Paul, New York, N. Y. Lace. 107,013; Nov. 16.

Gump, S. & G., Co. (See Bowen, A. S., and Bailey, assignors.)

Guttman, John B., Brooklyn, N. Y., assignor to J. J. and B. M. Schmuckler, copartners doing business as J. J. Schmuckler & Son. Display container for jewelry or similar articles. 107,014; Nov. 16.

Haimes, Harry, New York, N. Y. Artificial boutonniere. 107,015; Nov. 16.

Hamilton, J. T. & A., Company. (See Hamilton, James T., assignor.)

Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)

Hamilton, James T., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 106,972; Nov. 16.

Hansen, Melvin O., assignor to Libbey Glass Company, Toledo, Ohio. Tumbler. 106,973; Nov. 16.

Hanson, Paul E., Seattle, Wash. Ring mounting or similar article of jewelry. 107,016; Nov. 16.

Heizmann, Hugo, Boston, Mass. Plaque. 106,974; Nov. 16.
Heizmann, Hugo, Boston, Mass. Combination pencil stand and ashtray. 106,975; Nov. 16.
Hokerk, Lynde D. F., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Combined cake of soap and support therefor. 106,976; Nov. 16.
Holmes, Minot K., Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 106,977; Nov. 16.
Holmes, T. J., Company. (See Lohse, Frederick W., assignor.)
Iddings, Daniel P., San Francisco, Calif. Indicating novelty for a toilet door. 106,978; Nov. 16.
Imperial Glass Corporation. (See Newton, Earl W., assignor.)
Ingwersen, Gustav F., Denver, Colo. Dispenser casing or similar article. 106,979; Nov. 16.
International Silver Company. (See Kintz, Alfred G., assignor.)
International Silver Company. (See Zawisza, Edward P., assignor.)
Jones, David, Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Hollow glass building block. 106,980; Nov. 16.
Kelly, Daniel A., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Electric fence controller cabinet. 106,981; Nov. 16.
Kelly, Thomas K., Jr. (See Blooston, R. J., and Kelly.)
Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 107,017; Nov. 16.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 107,018; Nov. 16.
Kohl, William R., Cumberland, assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 106,982; Nov. 16.
Kramer, Andrew A. (See Kramer, J. M., and Mullin, assignors.)
Kramer, Andrew A. and J. M., and W. M. Gadberry, Kansas City, Mo.; said Gadberry and said J. M. Kramer assignors to said A. A. Kramer. Tank body for vehicles. 107,054; Nov. 16.
Kramer, Joseph M. (See Kramer, Andrew A. and J. M., and Gadberry.)
Kramer, Joseph M., and H. A. Mullin, assignors to A. A. Kramer, Kansas City, Mo. Trailer tank vehicle body. 107,019; Nov. 16.
Kropp, Willis A., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Combined hose tower and cabinet for automobile service stations or similar articles. 107,020; Nov. 16.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Base for electric fans or the like. 106,983; Nov. 16.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Base for electric fans or the like. 106,984; Nov. 16.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Base for electric fans or the like. 106,985; Nov. 16.
Lefrak, Benjamin, New York, N. Y. Coat. 107,021; Nov. 16.
Leopold, George O. (See Fegley, T. J., and Leopold.)
Levey, Max, assignor to Excel Projector Corp., Chicago, Ill. Projector. 107,022; Nov. 16.
Libbey Glass Company. (See Hansen, Melvin O., assignor.)
Lichter, Jesse S., Lawrence, N. Y. Button. 107,023; Nov. 16.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Bottle. 107,024; Nov. 16.
Love, Arthur H., New York, N. Y. Handbag. 107,045; Nov. 16.
Manson, Frank G., Dayton, Ohio. Pneumatic cushion. 106,986; Nov. 16.
McCain, Edwin W., St. Louis, Mo. Shoe. 107,025; Nov. 16.
Messer, Sidney, New York, N. Y. Textile fabric. 107,026; Nov. 16.
Messer, Sidney, New York, N. Y. Textile fabric. 107,027; Nov. 16.
Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Motion picture camera. 107,028; Nov. 16.
Minoff, Jack, Newark, N. J. Knitted fabric. 107,029; Nov. 16.
Montgomery Ward & Co., Inc. (See Cashmore, Joseph M., assignor.)
Mullin, Hugh A. (See Kramer, J. M., and Mullin.)
Newton, Earl W., Evanston, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio. Goblet or similar article. 107,030; Nov. 16.
North Bro's M'f'g Co. (See Fegley, T. J., and Leopold, assignors.)
Orchard Paper Company. (See Carter, Theodore L., assignor.)
Owens-Illinois Glass Company. (See Holmes, Minot K., assignor.)
Owens-Illinois Glass Company. (See Jones, David, assignor.)
Paschal, Guy, New York, N. Y. Air conditioning machine casing. 106,987; Nov. 16.
Perlmutter, Isidore, New York, N. Y. Sachet. 106,988; Nov. 16.
Perper, Elfie N., New York, N. Y. Dress. 107,055; Nov. 16.
Porter, William E., Lowell, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Vertical bumper. 107,046; Nov. 16.
Price, David W., New York, N. Y. Dress. 107,056; Nov. 16.
Prigozen, Nathan, New York, N. Y. Coat. 107,031; Nov. 16.
Prime Manufacturing Company, The. (See Kelly, Daniel A., assignor.)
Prince Matchabelli, Inc. (See Stone, Eula M., assignor.)
Raap, Peter H., Oak Park, assignor to Central Metallic Casket Co., Chicago, Ill. Medallion. 107,032; Nov. 16.
Rosenston, Morris, Boston, Mass. Shoe. 107,033; Nov. 16.
Rosow, Morris, Philadelphia, Pa. Coat tie. 107,034; Nov. 16.
Salomon, Irving, Chicago, Ill. Chair. 106,989; Nov. 16.
Salomon, Irving, Chicago, Ill. Chair. 106,990; Nov. 16.
Salomon, Irving, Chicago, Ill. Settee. 106,991; Nov. 16.
Schlessel, Philip, New York, N. Y. Dress. 107,057; Nov. 16.
Schmuckler, Bernard M., et al. (See Guttman, John B., assignor.)
Schmuckler, Jacob J., et al. (See Guttman, John B., assignor.)
Schmuckler, J. J., & Son. (See Guttman, John B., assignor.)
Schroeder, Lawrence R., Lakewood, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Combined range lamp and bracket. 106,992; Nov. 16.
Solomon, Bernard M., Montgomery, Ala. Service station building. 106,993; Nov. 16.
Standard Oil Company of California. (See Thompson, Erskine D., assignor.)
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Desk lamp or similar article. 106,994; Nov. 16.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Desk lamp or similar article. 106,995; Nov. 16.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Desk lamp or similar article. 106,996; Nov. 16.
Stewart-Warner Corporation. (See Kropp, Willis A., assignor.)
Stone, Eula M., New York, N. Y., assignor to Prince Matchabelli, Inc. Combined bottle and stopper. 107,035; Nov. 16.
Stricker, Ethel E., New York, N. Y. Negligee. 107,058; Nov. 16.
Thompson, Erskine D., Burlingame, assignor to Standard Oil Company of California, San Francisco, Calif. Can rack. 106,997; Nov. 16.
Van Hoe, Albert, East Moline, Ill. Mass card holder. 106,998; Nov. 16.
Wallingford Company, The. (See Gilby, George T., assignor.)
Warren Telechron Company. (See Bars, Jacques M., assignor.)
Warren Telechron Company. (See Green, Frank W., assignor.)
Weil, Lewis P., Germantown, Pa. Flower holder. 107,036; Nov. 16.
Weiner, Harold, Providence, R. I. Brooch. 107,037; Nov. 16.
Wenett, Philip, New York, N. Y. Dress ensemble. 107,061; Nov. 16.
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Wilde, Hans W., North Bergen, N. J. Textile fabric. 107,059; Nov. 16.
Willis, Robert F., Detroit, Mich. Window shade guard. 106,999; Nov. 16.
Wilmet, Georges, New York, N. Y., assignor to Dixie-Vortex Company, Easton, Pa. Carton or similar article. 107,000; Nov. 16.
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Switch housing for flashlights. 107,001; Nov. 16.
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Switch housing for flashlights. 107,002; Nov. 16.
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Switch housing for flashlights. 107,003; Nov. 16.
Zawisza, Edward P., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 107,038; Nov. 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Adler, Lee E., Dallas, Tex. Telephone signal system. 2,099,250; Nov. 16.
Adrian, Matthew B., assignor to X-Ray Shoe Fitter, Inc., Milwaukee, Wis. X-ray inspection apparatus. 2,099,185; Nov. 16.
Aermotor Company. (See Scholes, Daniel R., assignor.)
Agfa Ansco Corporation. (See Goldhammer, Leo, assignor.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor governor. 2,099,416; Nov. 16.
Aitken, Andrew W., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Road roller. 2,099,590; Nov. 16.
Alco Valve Company. (See Shrode, John L., assignor.)
Allen, Edwin H., assignor to Highway Trailer Company, Edgerton, Wis. Railroad car and trailer combination apparatus. 2,099,288; Nov. 16.
Allen, Sidney G., Raleigh, N. C. Crash cause recorder for aircraft. 2,099,587; Nov. 16.
Allen, S. L., & Co. (See Haagen, Charles W., assignor.)
Alport, David E. and S., Kansas City, Mo., assignors to J. W. Anderson, Gary, Ind. Razor. 2,099,251; Nov. 16.
Alport, Simon. (See Alport, David E. and S.)
Althen, William C., Columbus, Ohio. Machine for removing tire treads. 2,099,458; Nov. 16.
American Brake Company, The. (See Crossman, Theodore C., assignor.)
American Perforator Company. (See Rix, Edward G., assignor.)
American Radiator Company. (See Timmis, W. W., and Walker, assignors.)
American Sheet and Tin Plate Company. (See Dahl, L. S., and Schultz, assignors.)
American Stay Company. (See Murray, Albert C., assignor.)
American Steel and Wire Company of New Jersey, The. (See Carlson, Clarence O., assignor.)
American Telephone and Telegraph Company. (See Holden, William H. T., assignor.)
American Telephone and Telegraph Company. (See Weaver, Allan, assignor.)
American Thermos Bottle Company. (See Payson, Arthur H., assignor.)
American Tire Guard Company. (See Overturf, Clarence A., assignor.)
Anaconda Wire & Cable Company. (See Wodtke, Hans V., assignor.)
Anderegg, Reuben H., La Crosse, Wis. Evaporator coil. 2,099,186; Nov. 16.
Anderson Company, The. (See Bramming, Carl, assignor.)
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Inc. Stoker. 2,099,552; Nov. 16.
Anderson, John W. (See Alport, David E. and S., assignors.)
Anderson, Raymond H., Thornton Heath, England. Delivery or extrusion nozzle device. 2,099,289; Nov. 16.
Anderson, William, assignor to Lycoming Manufacturing Company, Williamsport, Pa. Heating apparatus. 2,099,383; Nov. 16.
Annema, Norman J., Grand Rapids, Mich. Egg handling tool. 2,099,588; Nov. 16.
Apex Electrical Manufacturing Company, The. (See Frantz, W. A., and McCabe, assignors.)
Apex Electrical Manufacturing Company, The. (See McCabe, J. J., and Seyfried, assignors.)
Arco Company, The. (See Hexter, Paul L., assignor.)
Armbruster, Ludwig, Berlin-Zehlendorf, Germany. Skeleton structure. 2,099,589; Nov. 16.
Armstrong, Fullerton G. G., Beverley, and H. Clayton-Wright, Stratford-on-Avon, England, said Clayton-Wright assignor to said Armstrong. Windshield wiper motor. 2,098,936; Nov. 16.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid fuel burner. 2,099,092; Nov. 16.
Associated Electric Laboratories, Inc. (See Ostline, John E., assignor.)
Atkins, Edward G., assignor to E G A Carburetor Co., Jackson, Mich. Carburetor. 2,099,553; Nov. 16.
Atlas Powder Company. (See Bucy, E. H., and Watkins, assignors.)
Atti, Raphael, Union City, assignor to H. H. Timbers, Glen Ridge, N. J. Card shuffling and dealing device. 2,099,187; Nov. 16.
Aument, H. Chester, Long Island City, N. Y. Container construction. 2,099,095; Nov. 16.
Automatic Sprinkler Company of America. (See Lowe, E. A., and Hamilton, assignors.)
Automatic Voting Machine Corporation. (See Gustavson, Alvin N., assignor.)
Avery, Henry C., New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y. Roof composition and producing the same. 2,099,093; Nov. 16.
Avery, Henry C., New Brunswick, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y. Roofing. 2,099,094; Nov. 16.
Bach, Stefan, Nuremberg, and K. Kurz, Furth, Germany. Gold leaf substitute. 2,099,641; Nov. 16.
Bacharach Industrial Instrument Company. (See Vayda, L. L., and Rossomme, assignors.)
Backes, Edward W., Cook County, Ill., assignor to Poor & Company, New York, N. Y. Track gauge indicator. 2,098,938; Nov. 16.
Bacon, William I. (See James, C. H., and Bacon.)
Bagby, Ralph B., Evanston, Ill. Filling machine. 2,099,252; Nov. 16.
Bagby, Ralph B., Chicago, Ill. Trip mechanism for filling machines. 2,099,253; Nov. 16.
Baird, Ronald J., Passaic, N. J., assignor to A. O. Smith Corporation, Milwaukee, Wis. Apparatus for the manufacture of mercury sulphate. 2,099,290; Nov. 16.
Balch, Ralph H. (See Elvin, W. J., Balch, and Whitehead.)
Baldwin-Southwark Corporation. (See Sharp, Robert E. B., assignor.)
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Fastening device for panels or the like. 2,099,189; Nov. 16.
Ball Brothers Company. (See Wadsworth, Frank L. O., assignor.)
Ball, Thomas M., Detroit, Mich. Internal combustion engine fuel system. 2,099,096; Nov. 16.
Ballard, John R., assignor to Bal-Rod, Inc., San Francisco, Calif. Portable room cooling apparatus. 2,099,188; Nov. 16.
Ballman, Charles W., Indianapolis, Ind. Fishing rod holder. 2,099,254; Nov. 16.
Bal-Rod, Inc. (See Ballard, John R., assignor.)
Bancroft, Howard L., Sharpsville, Pa., and H. S. Smith, Hubbard, Ohio. Pump or compressor. 2,099,326; Nov. 16.
Bandish, Joseph M. (See Markel, O., Phillips, and Bandish.)
Bandish, Joseph M., Chicago, Ill. Packing. 2,098,992; Nov. 16.
Bangs, Ralph L., Wakefield, and W. A. Hermanson, Brighton, assignors to Forest Wadding Company, Boston, Mass. Insulated cover. 2,099,669; Nov. 16.
Banker, Charles. (See Eastburn, S. L., and Banker.)
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Apparatus for making pipes and tubes. 2,099,459; Nov. 16.
Barber Company, The. (See Smith, Preston R., assignor.)
Barbour, Roy, Beaufort, N. C. Motor governor. 2,098,939; Nov. 16.
Barcalo Manufacturing Company. (See Vallone, Joseph M., assignor.)
Barker, Stuart D. (See Sellen, Charles L., assignor.)
Barnes, Charles D., Long Beach, and M. T. Flaxman, Wilmington, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oils. 2,099,190; Nov. 16.
Barr Rubber Products Company, The. (See Frissell, Robert R., assignor.)
Barrell, William A., North Andover, assignor to Lawrence Duck Company, Lawrence, Mass. Asbestos filled drier felt. 2,098,993; Nov. 16.
Barrell, William A., North Andover, assignor to Lawrence Duck Company, Lawrence, Mass. Asbestos-faced drier felt. 2,098,994; Nov. 16.
Barrell, William A., North Andover, assignor to Lawrence Duck Company, Lawrence, Mass. Asbestos textile yarn. 2,098,995; Nov. 16.
Barrett Company, The. (See Gould, David F., assignor.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrott, William E., Aurora, Ind. Volumetric liquid dispenser. 2,099,591; Nov. 16.
Barton, James F., Edwardsville, Ill. Form puller. 2,099,592; Nov. 16.
Bast, Frank J., Queens Village, assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Heat-processing recorder. 2,099,417; Nov. 16.

Bethlehem Foundry & Machine Company. (See Thorp, G., and Halse, assignors.)
Bauer, Harold H., Montgomery County, near Dayton, Ohio. Tapering attachment for boring machines. 2,099,255; Nov. 16.
Baxter, James W., Jr., et al. (See Tapp, Lora E., assignor.)
Bean, Robert F., Bridgeport, Conn., assignor to General Electric Company. Shiftable brush rigging. 2,099,354; Nov. 16.
Bedford, Burnice D. (See Griffith, R. C., and Bedford.)
Belder, Warren H., and T. M. Cunningham, Passaic, N. J. Sealing containers. 2,099,097; Nov. 16.
Bell, Alfred B., assignor to Heywood-Wakefield Company, Gardner, Mass. Recliner mechanism for chairs. 2,099,460; Nov. 16.
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hefele, John R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kelsay, Le Roy W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mallinckrodt, Charles O., assignor.)
Bell Telephone Laboratories, Incorporated. (See Roberts, J. G., and Richard, assignors.)
Benander, George B., Yalesville, assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn. Electrical connecter. 2,099,555; Nov. 16.
Bender, Karl, Wetzlar an der Lahn, and M. Bunke, Tiefenbach Kreis Wetzlar, assignors to Buderus'sche Eisenwerke, Wetzlar, Germany. Refining or separating electrically conductive liquids. 2,099,593; Nov. 16.
Bendix Aviation Corporation. (See Carbonara, Victor E., assignor.)
Bendix Aviation Corporation. (See Seward, Clarence L., Jr., assignor.)
Benedict, Anthony C., Rockville Centre, N. Y. Envelope. 2,099,256; Nov. 16.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable system. 2,099,291; Nov. 16.
Berg, Adolph. (See Koepke, William F., assignor.)
Bergstein, Edna M., trustee et al. (See Bergstein, Robert M., assignor.)
Bergstein, Robert M., Cincinnati, Ohio, assignor to E. M. and R. M. Bergstein, trustees. Container. 2,099,257; Nov. 16.
Bernstein, Ernst, Dresden, assignor to A. Monforts, Gladbach-Rheydt, Germany. Fabric treating machine. 2,099,461; Nov. 16.
Bevilacqua, John. (See Di Nuccio, Camillo, assignor.)
Bezanson, George W. (See Henning, F. L., and Benzanson.)
Binkley, William J., Warrenton, assignor to James R. Kearney Corporation, St. Louis, Mo. Bracket for electrical wires. 2,099,098; Nov. 16.
Binney and Smith Co. (See Morrison, Charles C., assignor.)
Bird, Russell H., Detroit, Mich. Refrigerated vending machine. 2,099,258; Nov. 16.
Bissell, Raymond W., Milford, assignor to The Strouse Adler Company, New Haven, Conn. Apparel garment. 2,099,099; Nov. 16.
Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vacuum tube circuit. 2,098,950; Nov. 16.
Blake, Herman C., Hyde Park, Mass., and S. Blake, Richmond, Maine. Hanger. 2,098,996; Nov. 16.
Blake, Samuel. (See Blake, Herman C. and S.)
Blessing, Edgar F., East Orange, N. J. Steel alloy. 2,099,509; Nov. 16.
Blodgett, Herbert C., assignor to Overhead Door Corporation, Hartford City, Ind. Sliding door. 2,099,191; Nov. 16.
Blohm, August H., Chicago, Ill., assignor to Trans-Lux Corporation, New York, N. Y. Web feeding mechanism. 2,098,940; Nov. 16.
Blohm, August H., Chicago, Ill., assignor to Trans-Lux Corporation, New York, N. Y. Projection system. 2,098,941; Nov. 16.
Bloomer Bros. Company. (See Inman, Harry A., and W. H., assignors.)
Bloomfield, Samuel, Chicago, Ill. Service tray. 2,099,433; Nov. 16.
Bloomquist, Algot S., Paxton, Ill. Power lift lever. 2,099,594; Nov. 16.
Boax, John J., McKeesport, Pa., assignor to National Tube Company. Apparatus for drying pipe coatings. 2,099,462; Nov. 16.
Bockmühl, Max, and G. Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing glucosides having an action on the heart obtained from oleander leaves. 2,099,158; Nov. 16.
Bond, Alexander R., Plainfield, N. J., assignor to W. B. Walt, New York, N. Y. Valve cut-off indicator for locomotives. 2,099,100; Nov. 16.
Borne Scrymser Company. (See Siever, Hughes L., assignor.)
Borroughs, Joseph N. (See Trewhitt, J. E., and Old, assignors.)
Bosch, Robert, Aktiengesellschaft. (See Klein, Hermann, assignor.)
Boston, Charles W., Kenmore, N. Y. Display cover structure. 2,099,046; Nov. 16.
Bottomley, Samuel. (See Owens, H., and Bottomley.)
Bowers, Frank. (See Howse, C. L., Thomas, and Bowers.)
Bradley, Charles E., and K. L. Keene, assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Waterproof bathing sandal. 2,099,418; Nov. 16.
Bradley, Fred J. (See Bradley, Richard C., assignor.)
Bradley, Richard C., Brooklyn, assignor of one-half to F. J. Bradley, St. Albans, N. Y. Register. 2,099,463; Nov. 16.
Bradshaw, George B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flexible articles. 2,099,047; Nov. 16.
Bramming, Carl, assignor to The Anderson Company, Gary, Ind. Stud. 2,098,997; Nov. 16.
Brant, Frank O., Piedmont, Calif. Easel construction. 2,099,192; Nov. 16.
Brasch, Arno, and F. Lange, Berlin, Germany. Apparatus for producing extremely fast corpuscular rays. 2,099,327; Nov. 16.
Briggs Manufacturing Company. (See Ball, Albert P., assignor.)
Brightwell, Curtis F., Pasadena, Calif. Motor or pump. 2,099,193; Nov. 16.
Brinkmann, Heinrich, Dortmund, Germany. Ladle for casting fluid metal. 2,098,937; Nov. 16.
Brinton, William H., near Coatesville, Pa. Ration. 2,098,998; Nov. 16.
Bristol Aeroplane Company Limited, The. (See Fedden, A. H. R., and Copley, assignors.)
Brown, Alfred B., Essen Fells, and C. T. Siebs, Fanwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Reel. 2,099,102; Nov. 16.
Brown, Banks D., assignor to Capstan Glass Company, Connellsville, Pa. Sealed package. 2,099,419; Nov. 16.
Brown, Benjamin W. (See Chapman, J., and Brown.)
Brown Brothers & Company Limited, et al. (See Wallace, William, assignor.)
Brown, Jesse J., Syracuse, N. Y. Dual safety device for oil burners. 2,098,951; Nov. 16.
Brown, Kenneth N., New York, N. Y. Collapsible refill jar. 2,099,595; Nov. 16.
Brown, Mortimer J., Niagara Falls, N. Y. Dripless dispensing device. 2,099,292; Nov. 16.
Brown, Roger S., Upper Montclair, N. J., assignor of one-half to B. J. Sayles, Pittsburgh, Pa. Furnace. 2,098,999; Nov. 16.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 2,099,194; Nov. 16.
Brubaker, Merlin M., Lindemere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Protection of materials subject to parasitic attack. 2,098,942; Nov. 16.
Bruce, William McA. (See Riley, R., and Bruce.)
Bruening, Lee P., assignor of one-third to F. Goggin, Butte, Mont. Multiple purpose garment hanger. 2,099,596 Nov. 16.
Brun, Willi, Stratford, Conn., assignor to Remington Arms Company, Inc. Chemical compound and use therefor. 2,099,293; Nov. 16.
Bruner, Donald L., Coral Gables, Fla., and J. H. Herr, Dayton, Ohio. Goggles. 2,099,464; Nov. 16.
Bucy, Edmond H., and R. Watkins, Waukegan, Ill., assignors to Atlas Powder Company, Wilmington, Del. Condensation product of phenolphthalein. 2,099,510; Nov. 16.
Buderus'sche Eisenwerke. (See Bender, K., and Bunke.)
Buell, Albert E., and W. A. Schulze, assignors to Phillips Petroleum Company, Bartlesville, Okla. Desulphurizing hydrocarbons. 2,098,943; Nov. 16.
Buffalo-Springfield Roller Co., The. (See Aitken, Andrew W., assignor.)
Bunke, Max. (See Bender, K., and Bunke.)
Burleson, Wade H., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor clamp. 2,099,465; Nov. 16.
Burns, Erwin, Los Angeles, and H. P. Wickersham, Huntington Park, Calif. Setting tool. 2,099,048; Nov. 16.
Busch, Leo, Berlin-Karlshorst, Germany. Roll carrier for photographic strip film. 2,099,646; Nov. 16.
Buschbeck, Werner, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Carrier wave modulation and suppression. 2,099,294; Nov. 16.
Bush, A. G. (See Criner, Harry J., assignor.)
Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,099,384; Nov. 16.
Busse, Ferdinand, Munich, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Developing apparatus. 2,099,159; Nov. 16.
Butler, Irvin E., assignor of one-half to J. C. Fowler, Baltimore, Md. Electrical safety system. 2,099,195; Nov. 16.
Butt, Frederic W. (See Hamilton, W. S. H., and Butt.)

Butterworth, William R., Jr. (See Leonard, J. W., Butterworth, Leonard, and Wellford, Harry A., and W. L., Jr.)
Caeser, Viktor, Stuttgart, Germany. Oscillator for the biological treatment of living tissue. 2,099,511; Nov. 16.
Calabro, Joseph, Everett, Mass. Automobile bumper. 2,099,049; Nov. 16.
Calico Printers' Association Limited. (See Elliott, Claud J., assignor.)
Callender's Cable and Construction Company. (See Crocker, William G., assignor.)
Campbell, Ralph. (See Nass, F. H. and Campbell.)
Canfield, Dana W., Chico, Calif. Wrist-type memorandum pad. 2,099,295; Nov. 16.
Capstan Glass Company. (See Brown, Banks D., assignor.)
Caputo, James V., Crafton, Pa. Apparatus for welding. 2,098,952; Nov. 16.
Carbonara, Victor E., Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Altimeter. 2,099,466; Nov. 16.
Carbonara, Victor E., Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Altimeter. 2,099,467; Nov. 16.
Cardwell-Westinghouse Company. (See Sproul, Donald F., assignor.)
Carlson, Clarence O., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Tool. 2,099,259; Nov. 16.
Carlson, Gustav A. (See Hedblom, Lars O., assignor.)
Carpenter, Allan O., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Safety device for engines. 2,099,556; Nov. 16.
Carpenter, E. W., Manufacturing Company, The. (See Carpenter, Edward W., assignor.)
Carpenter, Edward W., Fairfield, assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn. Swivel harp fixture. 2,099,000; Nov. 16.
Carr, Frank L., Jr., Maplewood, Pa. Weather strip for metal sash windows. 2,099,597; Nov. 16.
Carter Carburetor Corporation. (See Ewart, William M., assignor.)
Carter, John D., Lansdowne, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Fiberboard. 2,099,598; Nov. 16.
Carter, Philip S., Rocky Point, N. Y., assignor to Radio Corporation of America. Aperiodic antenna. 2,099,296; Nov. 16.
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer. 2,099,512; Nov. 16.
Casagrande, Leo, Berlin-Charlottenburg, Germany. Hardening soil. 2,099,328; Nov. 16.
Cash, A. W., Company. (See Temple, Paul C., assignor.)
Ceder, Wilbur J., Los Angeles, Calif. Pocket room guide. 2,098,944; Nov. 16.
Celanese Corporation of America. (See Elvin, W. J., Balch, and Whitehead, assignors.)
Celanese Corporation of America. (See Sowter, Percy F. C., assignor.)
Celanese Corporation of America. (See Taylor, W. I., and Woodruff, assignors.)
Cerstvik, Stephen, Newark, assignor to Eclipse Aviation Corporation, East Orange, N. J. Electrical generating and control system. 2,099,468; Nov. 16.
Certain-Teed Products Corporation. (See Outman, Winfred H., assignor.)
Chamberlain, Paul A., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Speed control mechanism. 2,099,050; Nov. 16.
Champagne Paper Corporation. (See Jones, Edwin P., assignor.)
Chapman, James, Atlanta, and B. W. Brown, Hapeville, Ga. Idle dagger rod and light shuttle box device. 2,099,469; Nov. 16.
Chapman, John E., Springfield, Ill. Electric fan. 2,099,196; Nov. 16.
Charch, William H., Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Method and apparatus for drying. 2,099,160; Nov. 16.
Chemical Construction Corporation. (See Christensen, Axel, assignor.)
Chemische Fabrik von Heyden, A. G. (See Zellmann, R., and Milller, assignors.)
Cheney Weeder Company. (See Edgington, Aaron D., assignor.)
Chicago Flexible Shaft Company. (See Chamberlain, Paul A., assignor.)
Childs, Marice, assignor to G. T. Downs, Philadelphia, Pa. Multiple-jacquard motion. 2,099,001; Nov. 16.
Christensen, Axel, Rye, N. Y., assignor to Chemical Construction Corporation. Nitric acid manufacture. 2,098,953; Nov. 16.
Chrysler Corporation. (See Fleming, Alexander M., assignor.)
Chrysler Corporation. (See Holmes, John R., assignor.)
Chrysler Corporation. (See Nissley, H. H., and Mazzie, assignors.)
Chrysler Corporation. (See Patterson, Herbert F., assignor.)
Ciamberlini, Ugo, Rome, Italy. Pneumatic tachometer working independently of the external pressure. 2,099,385; Nov. 16.
Ciblé, Pierre, Paris, France. Motor starting device. 2,099,386; Nov. 16.
Clark, Carl L., Warren, and A. G. Knowles, Niles, assignors, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio. Skid platform. 2,099,051; Nov. 16.
Clayton-Wright, Howard. (See Armstrong, F. G. G., and Clayton-Wright.)
Clément, Louis E., Meudon-Val-Fleury, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic material and process. 2,099,297; Nov. 16.
Climax Machinery Company. (See Smith, Russell T., assignor.)
Cloud, Claude C., Chicago, Ill. Display.. 2,099,420; Nov. 16.
Coddington, Edwin D., Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y. Stud. 2,099,470; Nov. 16.
Coffee Products Corporation. (See Fronmuller, Douglas, assignor.)
Cohn, Samuel H., and S. Levin, New York, N. Y. Combined center-bar buckle and belt-connecter. 2,099,387; Nov. 16.
Colt, Samuel S., Orange, N. J. Concrete form and reenforcement retaining means. 2,099,260; Nov. 16.
Comstock, Millard, and H. C. Schoepflin, assignors to Ornamental Specialties, Inc., Buffalo, N. Y. Combination grave marker and flower holder. 2,099,329; Nov. 16.
Copley, John W. (See Fedden, A. H. R., and Copley.)
Corporon, George J., Newburyport, assignor to Merrimac Hat Corporation, Amesbury, Mass. Forming apparatus for wool hat and other tubular felt bodies. 2,099,330; Nov. 16.
Cox, Thomas K., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating articles. 2,099,103; Nov. 16.
Crabtree, George W., Cleveland Heights, Ohio. Spring cover. 2,099,197; Nov. 16.
Cramer, John D. (See Dibelka, H. G., and Cramer.)
Crenshaw, Benjamin A., deceased, by T. C. Crenshaw, executor, assignor to Steve Kalisz, Chicago, Ill. Direction signal. 2,099,331; Nov. 16.
Crenshaw, Thomas C., executor. (See Crenshaw, Benjamin A.)
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Trap nest. 2,099,052; Nov. 16.
Crocker, William G., Kent, assignor to Callender's Cable and Construction Company, Limited, London, England. Electrical measuring system. 2,099,002; Nov. 16.
Crossman, Theodore C., Wilkinsburg, assignor to The American Brake Company, Wilmerding, Pa. Brake rigging. 2,099,421; Nov. 16.
Crystal Tube Mfg. Co. (See Goodman, Leon, assignor.)
Culbertson, Albert B., Jr., St. Louis, Mo., assignor, by mesne assignments, to The Standard Oil Company, Chicago, Ill. Treating hydrocarbons. 2,099,434; Nov. 16.
Culp, Roy, Battle Creek, Mich. Lathe attachment. 2,099,198; Nov. 16.
Cunningham, Thomas M. (See Belder, W. H., and Cunningham.)
Dahl, Lawrence S., and J. H. Shultz, Gary, Ind., assignors to American Sheet and Tin Plate Company. Wide strip cold rolling. 2,099,261; Nov. 16.
Dahlen, Miles A., Wilmington, and F. Zwilgmeyer, Arden, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing and dyeing compositions. 2,099,104; Nov. 16.
Dally, Martin. (See Giesen, J., Hanisch, and Dally.)
Dalmer, Otto, C. Diehl, and H. Pieper, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J. Hydrouracil compounds and their production. 2,098,954; Nov. 16.
Daut, Doctor W. W. (See Hazlett, George W., assignor.)
Davenport, Ralph M., Los Angeles, Calif. Combined carrier scraper. 2,099,435; Nov. 16.
Davis, Robert W., Lexington, Ky. Wire splicer. 2,098,945; Nov. 16.
Dean, Floyd D. (See Schwarz, B. E., and Dean.)
Deere & Company. (See Brown, Theophilus, assignor.)
Dehnert, Heinrich. (See Krzikalla, H., Dehnert, and Vossen.)
De Lange, Cornelis, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Electrolytic device. 2,099,599; Nov. 16.
Del Cerro, Carlos A. P. (See Limeses, J., Saraleugi, and Del Cerro.)
De Leeuw, Adolph L., Plainfield, N. J., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,099,161; Nov. 16.
De Mayo, Frank, Jr., Kansas City, Mo., assignor to Vendo Sales Company. Bottle vending machine. 2,099,557; Nov. 16.
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Denner, Charlotte I., Santa Rosa, Calif. Crocheting fork. 2,099,600; Nov. 16.
Denny, William, & Brothers, Limited, et al. (See Wallace, William, assignor.)
De Simó, Martin, and F. B. Hilmer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Hydrocarbon oil manufacture. 2,099,513; Nov. 16.

Devendor, John A. and W. A., Jackson Heights, N. Y. One-piece buckle. 2,099,199; Nov. 16.
Devendor, William A. (See Devendor, John A. and W. A.)
De Witt, William J., and P. A. Ross, assignors to Shoe Form Co., Inc., Auburn, N. Y. Tackle box. 2,099,003; Nov. 16.
Diamond Match Company, The. (See Joley, Albert N., assignor.)
Diamond Match Company, The. (See Nolan, John R., assignor.)
Diamond Power Specialty Corporation. (See Howse, C. L., Thomas, and Bowers, assignors.)
Dibelka, Henry G., and J. D. Cramer, assignors to The Norlipp Company, Chicago, Ill. Device for closing filling openings of liquid containers. 2,099,558; Nov. 16.
Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)
Diehl, Claus. (See Dalmer, O., Diehl, and Pieper.)
Di Nuccio, Camillo, assignor of one-half to J. Bevilacqua, Providence, R. I. Reversible hanger mounting for pictures and the like. 2,099,332; Nov. 16.
Dippel, Frederick W., Milwaukee, Wis. Instrument panel oil level indicator. 2,099,105; Nov. 16.
Dodge, Charles W. (See Uber, Harold L., assignor.)
Donnan, Dan A., Fennimore, Wis. Rake attachment. 2,099,053; Nov. 16.
Donovan, Alfred F. (See Donovan, Alfred W. and A. F.)
Donovan, Alfred W., Quincy, and A. F. Donovan, Boston, assignors to E. T. Wright & Company, Inc., Rockland, Mass. Shoe. 2,099,436; Nov. 16.
Dorr Company, The. (See Lund, Nels B., assignor.)
Dow Chemical Company, The. (See Stoesser, Wesley C., assignor.)
Downs, George T. (See Childs, Marice, assignor.)
Draeger, Rupert H., U. S. Navy. Film editing device. 2,098,955; Nov. 16.
Dreyfus, Henry, London, England. Manufacture of materials containing pigments. 2,099,004; Nov. 16.
Dreyfus, Henry, London, England. Production or treatment of artificial filaments, threads, yarns, ribbons, and the like. 2,099,005; Nov. 16.
Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,098,956; Nov. 16.
Du Pont, E. I., de Nemours & Company. (See Bradshaw, George B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Brubaker, Merlin M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Charch, William H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Dahlen, M. A., and Zwilgmeyer, assignors.)
Du Pont, E. I., de Nemours & Company. (See Eberlin, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kirby, J. E., and Werntz, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kraft, Frederick G., assignor.)
Du Pont, E. I., de Nemours & Company. (See Snyder, Arthur L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Zwilgmeyer, Frithjof, assignor.)
Durnell, Harold G., and S. T. Steel, Bartlesville, Okla. Well pumping unit. 2,098,957; Nov. 16.
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
E G A Carburetor Co. (See Atkins, Edward G., assignor.)
Eastburn, Samuel L., Sloatsburg, and C. Banker, Hillburn, assignors to Ramapo Ajax Corporation, New York, N. Y. Railway switch. 2,099,559; Nov. 16.
Eastman Kodak Company. (See Clement, Louis E., assignor.)
Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
Eastman Kodak Company. (See Kenyon, W. O., and Van Dyke, assignors.)
Eastman Kodak Company. (See Reid, Marvin J., assignor.)
Eberhard, Boyd C., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Puncture-sealing inner tube for pneumatic tires. 2,099,514; Nov. 16.
Eberlin, Walter C., Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for drying. 2,099,162; Nov. 16.
Ebert, Charles, Leonia, N. J., and W. B. Newkirk, Western Springs, Ill., assignors to International Patents Development Company, Wilmington, Del. Refining sugar liquors. 2,099,389; Nov. 16.
Eclipse Aviation Corporation. (See Cerstvik, Stephen, assignor.)
Econo Products, Inc. (See Waters, Gilbert C., assignor.)
Edgington, Aaron D., assignor to Cheney Weeder Company, Cheney, Wash. Harvester attachment. 2,099,471; Nov. 16.
Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
Edwards, James W. (See Ruys, J. D., and Edwards.)
Eger, Ernst, Grosse Pointe Park, Mich., assignor to United States Rubber Products Inc., New York, N. Y. Tire antiskid device. 2,099,006; Nov. 16.
Ehrhart, Gustav. (See Bockmühl, M., and Ehrhart.)
Elnson-Freeman Co. (See Horr, John V., assignor.)
Ekstromer, Edward C., San Francisco, Calif., assignor to Electrolift Corporation, Reno, Nev. Multiple motor unit. 2,098,958; Nov. 16.
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electric Vacuum Cleaner Company. (See Lang, Henry T., assignor.)
Electrolift Corporation. (See Ekstromer, Edward C., assignor.)
Elliott, Claud J., Ainsdale, Southport, assignor to The Calico Printers' Association Limited, Manchester, England. Fabric printing machine. 2,098,946; Nov. 16.
Elmore, Charles F., Evanston, Ill., assignor, by mesne assignments, to Pilot Letter Label Co. Envelope. 2,099,007; Nov. 16.
Elvin, William J., R. H. Balch, and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Creel for artificial yarns. 2,099,008; Nov. 16.
Emery, Charles R. (See Zick, Frank E., assignor.)
Emery, George S., Tulsa, Okla. Binder. 2,099,472; Nov. 16.
Engelson, Larry R., New York, N. Y. Vest. 2,099,054; Nov. 16.
Engineering Laboratories, Inc. (See Scherbatskoy, S. A., and Neufeld, assignors.)
Ewart, William M., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor spring. 2,099,106; Nov. 16.
Factor, Max, & Co. (See Firestein, M., and Ferentzy, assignors.)
Fairbanks, Sumner C. (See Hammersley, C. S., and Fairbanks.)
Falk Corporation, The. (See Slonneger, John C., assignor.)
Farmer, Ayad L., Los Angeles, Calif. Trailer brake system. 2,099,263; Nov. 16.
Farmer, George C., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Pneumatic clutch control device. 2,099,422; Nov. 16.
Fedden, Alfred H. R., and J. W. Copley, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Cowl for air-cooled aircraft engines. 2,098,947; Nov. 16.
Felock, David F., et al. (See Tapp, Lora E., assignor.)
Fenske, Merrell R. (See McCluer, W. B., and Fenske.)
Ferentzy, Steven. (See Firestein, M., and Ferentzy.)
Ferngren, Enoch T., Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Flexible bottle. 2,099,055; Nov. 16.
Ferngren, Enoch T., Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Container closure and cap. 2,099,056; Nov. 16.
Ferngren, Enoch T., Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn. Two part container construction. 2,099,057; Nov. 16.
Ferro Engineering Company, The. (See Lemmerman, Robert G., assignor.)
Fields, George W., Atlanta, Ga. Ratchet wrench. 2,099,601; Nov. 16.
Findlater, Stevenson, McKeesport, Pa., assignor to National Tube Company. Rolling mill guide. 2,099,473; Nov. 16.
Findora, John A., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring cushion. 2,099,200; Nov. 16.
Finley, Walter H., and C. H. Hamilton, Nashville, Tenn. Humidifying system and apparatus. 2,099,009; Nov. 16.
Firestein, Max, Beverly Hills, and S. Ferentzy, assignors to Max Factor & Co., Los Angeles, Calif. Photographic make-up. 2,099,010; Nov. 16.
Fischer, Hellmuth, Ilmenau, Germany. Luminescent glass. 2,099,602; Nov. 16.
Fischer, William H., assignor to Knapp-Monarch Company, St. Louis, Mo. Electrical appliance and base. 2,099,437; Nov. 16.
Fitch, Ellery R., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Shockproof retardation controller. 2,099,390; Nov. 16.
Flagg, Frederick P., assignor to Waltham Watch Company, Waltham, Mass. Compensating spring. 2,099,474; Nov. 16.
Flaxman, Marcellus T. (See Barnes, C. D., and Flaxman.)
Fleming, Alexander M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Adjustable seat. 2,099,107; Nov. 16.
Flint, James G. (See McWhirter, E. M. S., and Flint.)
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Food Machinery Corporation. (See Paxton, Hale, assignor.)
Food Machinery Corporation. (See Stockdale, Harry C., assignor.)
Foote Company, The. (See Lundbye, Axel E., assignor.)

Foregger Co., The. (See Leech, Beverley C., assignor.)
Forest Wadding Company. (See Bangs, R. L., and Hermanson, assignors.)
Fortman, Gustave D., Philadelphia, Pa. Coating composition. 2,099,423; Nov. 16.
Fournet, Donald J., Lafayette, La. Mouth wiper for typesetting machines. 2,099,264; Nov. 16.
Foushee, William and M. B. Heckendorn, Cedar Point, Kans. Mower. 2098,948; Nov. 16.
Fowler, John C. (See Butler, Irvin E., assignor.)
Fox, Charles A., assignor to James R. Kearney Corporation, St. Louis, Mo. Pole splice. 2,099,108; Nov. 16.
Fracker, Henry E., assignor to National Technical Laboratories, Pasadena, Calif. Electrical testing machine. 2,099,298; Nov. 16.
Frantz, Walter A., Shaker Heights, and J. J. McCabe, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Combined washing and drying machine. 2,099,163; Nov. 16.
Frederics, E., Inc. (See Frederics, Ernest O., assignor.)
Frederics, Ernest O., Bronxville, assignor to E. Frederics, Inc., New York, N. Y. Hair waving heater. 2,099,424; Nov. 16.
Frey, Charles N. (See Light, R. F., Frey, and Patitz.)
Frey, Frederick E., and W. F. Huppke, assignors to Phillips Petroleum Company, Bartlesville, Okla. Converting hydrocarbons. 2,098,959; Nov. 16.
Frey, Frederick E., and W. F. Huppke, assignors to Phillips Petroleum Company, Bartlesville, Okla. Converting hydrocarbons. 2,098,960; Nov. 16.
Freyssinet, Eugène, Neuilly-sur-Seine, France. Manufacture of molded pieces from mortars or concrete. 2,099,265; Nov. 16.
Fried, Jerome A., assignor to Allen Wales Adding Machine Corporation, Ithaca, N. Y. Governor for electric motors. 2,099,560; Nov. 16.
Friendly Knitting Mills, Inc. (See Reeb, Henry, assignor.)
Frissell, Robert R., assignor to The Barr Rubber Products Company, Sandusky, Ohio. Inflatable article and producing the same. 2,099,058; Nov. 16.
Fritts, Edwin C., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Reel mounting for motion picture projection apparatus. 2,099,299; Nov. 16.
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 2,099,300; Nov. 16.
Fronmuller, Douglas, Middle Village, assignor to Coffee Products Corporation, New York, N. Y. Manufacture of concentrated coffee extract. 2,098,961; Nov. 16.
Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Implement retainer. 2,099,333; Nov. 16.
Gabrielson, Carl and C. Waucquez, assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 2,099,011; Nov. 16.
Gagnier, George E. (See Place, Bion C., assignor.)
Gardner, Albert T., Streatham, assignor of one-half to E. W. Richardson, London, England. Platen-operating mechanism. 2,099,059; Nov. 16.
Garlock Packing Company, The. (See Stewart, Hugh T., assignor.)
Garner, Russell H., assignor to L. N. Partch, Pasadena, Calif., and R. H. Garner. Drafting machine. 2,099,266; Nov. 16.
Gasoline Products Company. (See Keith, Percy C., Jr.)
Gauschemann, Adolf B., Bayonne, N. J. Wax sweating oven. 2,099,603; Nov. 16.
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Plural-length tape dispensing means. 2,099,647; Nov. 16.
Gebhardt, Johannes, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges, Schönau-Chemnitz, Germany. Calculating machine. 2,099,060; Nov. 16.
Geissen, Carl, Berlin-Schoneberg, assignor of one-half to Rheinmetall-Borsig Aktiengesellschaft/Werk Borsig, Berlin-Tegel, Germany. Train. 2,098,949; Nov. 16.
General Aniline Works, Inc. (See Krzikalla, H., Dehnert, and Vossen, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Krzikalla, and Limbacher, assignors.)
General Aniline Works, Inc. (See Lange, Max, assignor.)
General Aniline Works, Inc. (See Morschel, H., and Gund, assignors.)
General Electric Company. (See Bean, Robert F., assignor.)
General Electric Company. (See Griffith, R. C., and Bedford, assignors.)
General Electric Company. (See Metzger, Friedrich, assignor.)
General Electric Company. (See Pepper, Carl P., assignor.)
General Electric Company. (See Savage, Marion A., assignor.)
General Electric Company. (See Schiebeler, Carl, assignor.)
General Electric Company. (See Terpak, Stephen, assignor.)
General Electric Company. (See Travers, Fred H., assignor.)
General Electric Company. (See Turner, Harold R., assignor.)
General Electric Company. (See Valentine, Irving R., assignor.)
General Electric Company. (See van Hoorn, Fred G., assignor.)
General Electric Company. (See Zickrick, Lyall, assignor.)
General Motors Corporation. (See Kneisley, Richard D., assignor.)
General Steel Castings Corporation. (See Hallquist, Einar G., assignor.)
General Steel Castings Corporation. (See Sheehan, William M., assignor.)
Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,099,391; Nov. 16.
Gerth, Felix. (See Hahnemann, W. M., and Gerth.)
Getaz, James L., Marysville, Tenn. Absorption refrigerating machine. 2,099,201; Nov. 16.
Gevaert Photo-Production N. V. (See Schwarz, Georg.)
Gibboney, Thomas F. (See Keen, T. B., and Gibboney.)
Giesen, Johann, H. Hanisch, and M. Daily, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purification of synthetically produced alcohols. 2,099,475; Nov. 16.
Gilbert, Mark L., assignor to Gil-Boat Company, Holland, Mich. Boat and constructing the same. 2,099,438; Nov. 16.
Gilbert, Walter V. (See Pearson, R. E., and Gilbert.)
Gil-Boat Company. (See Gilbert, Mark L., assignor.)
Glowka, Martin, New York, N. Y. Waterproof spat. 2,099,476. Nov. 16.
Goggin, Frederick. (See Bruening, Lee P., assignor.)
Goldhammer, Leo, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Pasting press. 2,099,439; Nov. 16.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,099,392; Nov. 16.
Goodman, Leon, assignor to Crystal Tube Mfg. Co., Chicago, Ill. Bag construction. 2,099,425; Nov. 16.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, Albert S., and C. R. Tait, assignors to Hammermill Paper Company, Erie, Pa. Optical testing. 2,099,012; Nov. 16.
Gordon, Arthur, Chicago, Ill. Waste trap. 2,099,061; Nov. 16.
Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Mechanism for laying shoe sole channels. 2,099,393; Nov. 16.
Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Shank stiffener. 2,099,394; Nov. 16.
Gormley, John B., Boston, Mass. Shaving device. 2,099,334; Nov. 16.
Gould, David F., Riverton, N. J., assignor to The Barrett Company, New York, N. Y. Obtaining para-cresol from tar acid mixtures. 2,099,109; Nov. 16.
Government of the United States, Henry A. Wallace, for the. (See Hellbach, Rudolph, assignor.)
Graham, Charles, Stockton, Calif. Water clarifier. 2,099,062; Nov. 16.
Green, Vernor E., assignor to Little Falls Manufacturing Company, Inc., Little Falls, N. Y. Undergarment and the like. 2,099,110; Nov. 16.
Grey, Harold N., New York, N. Y. Watchcase. 2,099,515; Nov. 16.
Griffith, Arthur C., assignor to United States Gypsum Company, Chicago, Ill. Vault construction. 2,099,648; Nov. 16.
Griffith, Rolland C., and B. D. Bedford, Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 2,099,561; Nov. 16.
Gruse, William A. (See Hjerpe, E. B., and Gruse.)
Gruyer, Jean M., assignor to Victor Simon, Lyon, France. Change speed chain gearing for bicycles and the like. 2,099,477; Nov. 16.
Gulf Oil Corporation. (See Hjerpe, E. B., and Gruse, assignors.)
Gulf Research & Development Company. (See Rusler, George W., assignor.)
Gund, Felix. (See Morschel, H., and Gund.)
Gunning, Russell, Tipton, Ind. Tractor operated hay loader. 2,099,604; Nov. 16.
Gurian, William, New York, N. Y. Culotte. 2,099,478; Nov. 16.
Gustavson, Alvin N., Jamestown, N. Y., assignor to Automatic Voting Machine Corporation. Party selector mechanism for voting machines. 2,099,202; Nov. 16.
Haagen, Charles W., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Fertilizer distributor. 2,099,013; Nov. 16.
Hackett, Bernard A., Detroit, Mich. Vending machine. 2,099,267; Nov. 16.
Hackett, Harry, New York, N. Y. Timing and signaling device. 2,099,516; Nov. 16.
Haessler, Walter M. (See Neal, J. F., and Haessler.)
Hahnemann, Walter M., Berlin-Marienfelde, and F. Gerth, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. System for high frequency transmissions. 2,099,395; Nov. 16.
Haines, Harold F., Olympia, Wash. Attachment for smoking pipes. 2,099,203; Nov. 16.

Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Ceiling installation and fastener for the same. 2,099,649; Nov. 16.

Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cushion tufting structure. 2,099,650; Nov. 16.

Hallquist, Elnar G., Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Railway vehicle structure. 2,099,164; Nov. 16.

Halsam Products Company. (See Paulson, Nils I., assignor.)

Halse, Ernest. (See Thorp, G., and Halse.)

Hamersley, Carl S., New York, N. Y., and S. C. Fairbanks, Passaic, N. J.; said Fairbanks assignor to said Hamersley. Paper wrapper for commodities. 2,099,301; Nov. 16.

Hamilton, Charles H. (See Finley, W. H., and Hamilton.)

Hamilton, John R. (See Lowe, E. A., and Hamilton.)

Hamilton, William S. H., Larchmont, and F. W. Butt, Woodside, L. I., New York, assignors to The New York Central Railroad Company. Centering device for swivel trucks. 2,099,361; Nov. 16.

Hammarsjö, Erik A., Stockholm, Sweden. Press for soling shoes. 2,099,302; Nov. 16.

Hammermill Paper Company. (See Goodrich, A. S., and Tait, assignors.)

Hammond, Laurens, Chicago, Ill. Multiple key switch. 2,099,204; Nov. 16.

Hanisch, Helmut. (See Giesen, J., Hanisch, and Dally.)

Hansen, Fred E., Lakewood, Ohio. Hose coupling. 2,099,335; Nov. 16.

Hanson, Kenneth C., Clairinch, High Pine Close, Weybridge, England. Razor. 2,099,605; Nov. 16.

Hardwick, Christopher L., Cleveland, Tenn. Stove. 2,099,440; Nov. 16.

Harley, Maldon C., Cranford, England. Aircraft lamp. 2,099,362; Nov. 16.

Harper, Philip S., Chicago, Ill. Gas burner. 2,099,205; Nov. 16.

Hart, Fred E., Los Angeles, Calif. Combined tooth brush holder and sterilizer. 2,099,336; Nov. 16.

Hastings Manufacturing Company. (See Phillips, Harold P., assignor.)

Hatch, Raymond S., Longview, assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Producing vanillin from waste sulphite liquor. 2,099,014; Nov. 16.

Hayes, Orril H., Damariscotta, Maine. Floor construction. 2,099,517; Nov. 16.

Hazeltine Corporation. (See Wheeler, Harold A., assignor.)

Hazlett, George W., assignor of one-half to Dr. W. W. Dant, Muscatine, Iowa. Globe chronometer. 2,099,518; Nov. 16.

H'Doubler, Charles W., and G. I. Mills, Springfield, Mo. Typewriting machine. 2,099,262; Nov. 16.

Hebenstreit, William J. (See Heinkel, J., and Hebenstreit.)

Heckendorn, Marson B. (See Foushee, W., and Heckendorn.)

Heckert, Winfield W., Arden, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Textile. 2,099,363; Nov. 16.

Heckert, Winfield W., Ardentown, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic product and preparing same. 2,099,441; Nov. 16.

Hedberg, Carl W. J., Bound Brook, N. J., assignor to Research Corporation, New York, N. Y. Insulator compartment. 2,099,063; Nov. 16.

Hedblom, Lars O., assignor of one-half to G. A. Carlson, Detroit, Mich. Fuel pump. 2,099,206; Nov. 16.

Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Woodworking tool. 2,099,519; Nov. 16.

Hefele, John R., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gaseous discharge device. 2,099,111; Nov. 16.

Heinkel, John, St. Louis, Mo., and W. J. Hebenstreit, Kansas City, Kans. Curb box for service pipe shutoffs in water systems. 2,099,479; Nov. 16.

Heift, Ernst, Berlin-Halensee, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Plastic material and producing the same. 2,099,651; Nov. 16.

Hellbach, Rudolph, Washington, D. C., assignor to H. A. Wallace, for the Government of the United States. Carrying out aeration in biochemical processes. 2,098,962; Nov. 16.

Hem, Halvor O., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Device for maintaining the condition of level of supports. 2,099,562; Nov. 16.

Henderson, Ray M., Houston, Tex. Refrigerator drip catcher and air circulation control. 2,099,165; Nov. 16.

Hendrycy, Clara F., New York, N. Y. Collar and the like. 2,099,520; Nov. 16.

Henning, Francis L., Boston, and G. W. Bezanson, Winchester, Mass.; said Henning assignor to said Bezanson. Pressure responsive mixing valve. 2,099,563; Nov. 16.

Henry, Nelson B., Columbus, Ga. Seed cotton cleaner-drier. 2,099,064; Nov. 16.

Henson, West, and W. Nelson, Jr., New York, N. Y. Paper holder. 2,099,268; Nov. 16.

Hercules Powder Company. (See Humphrey, Irvin W., assignor.)

Hercules Powder Company. (See Speicher, John K., assignor.)

Hercules Powder Company. (See Spellacy, John R., assignor.)

Hercules Powder Company. (See Tinsley, John S., assignor.)

Herkimer, Harold W., and H. E. Holcomb, Niagara Falls, N. Y. Baseball bat. 2,099,521; Nov. 16.

Hermanson, William A. (See Bangs, R. L., and Hermanson.)

Hermas Machine Company. (See Mason, G. H., Shand, and Johnson.)

Herr, James H. (See Bruner, D. L., and Herr.)

Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbon. 2,099,426; Nov. 16.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,099,396; Nov. 16.

Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,099,397; Nov. 16.

Hexter, Paul L., assignor to The Arco Company, Cleveland, Ohio. Surface contact gauge for liquids. 2,098,963; Nov. 16.

Heywood-Wakefield Company. (See Bell, Alfred B., assignor.)

Highway Trailer Company. (See Allen, Edwin H., assignor.)

Hildyard, William A., Brunswick, assignor to Strate-Stroke Pumps and Engines Proprietary Limited, Footscray, Victoria, Australia. Reciprocating engine or pump. 2,099,481; Nov. 16.

Hill-Diesel Engine Company. (See Olds, Ransom E., assignor.)

Hill, Harry S., and C. H. Williams, Springfield, Ohio. Valve grinder. 2,099,207; Nov. 16.

Hill, Hughes H., Augusta, Ga. Pass book. 2,099,482; Nov. 16.

Hill, Rowland, and E. F. Walker, Blackley, Manchester, assignors to Imperial Chemical Industries, Limited, London, England. Artificial resins. 2,098,964; Nov. 16.

Hill, Walter M., Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for testing insulation. 2,099,112; Nov. 16.

Hillmer, Frederick B. (See de Simó, M., and Hillmer.)

Hinde, Marion K., Atlanta, Ga. Automatic circuit breaker. 2,099,483; Nov. 16.

Hjerpe, Eric B., Pittsburgh, and W. A. Gruse, Wilkinsburg, assignors, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Manufacturing propyl chloride. 2,099,480; Nov. 16.

Hoffman, Roger K., Moscow, Idaho. Neckwear display clip. 2,099,269; Nov. 16.

Hoft, Maurice A., Indianapolis, Ind. Refuse burning furnace. 2,099,522; Nov. 16.

Hohl, Russell L., New York, N. Y. Building construction. 2,099,337; Nov. 16.

Hohwart, William, Woodside, N. Y. Self-sealing envelope. 2,099,303; Nov. 16.

Hokerk, Lynde D., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Toilet appliance. 2,099,484; Nov. 16.

Holcomb, Harlan E. (See Herkimer, H. W., and Holcomb.)

Holden, William H. T., New York, N. Y., assignor to American Telephone and Telegraph Company. Distributor device. 2,099,065; Nov. 16.

Holinagel, Theodore C., Milwaukee, Wis. Barrel. 2,099,113; Nov. 16.

Holmes, John R., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Vehicle wheel suspension. 2,099,114; Nov. 16.

Holophane Company. (See Rolph, Thomas W., assignor.)

Holsen, Ralph P., Milwaukee, Wis. Bicycle lock. 2,099,606; Nov. 16.

Hoover Company, The. (See Gerber, Dale C., assignor.)

Hoover Company, The. (See Smellie, Donald G., assignor.)

Hoover Company, The. (See White, Harry B., assignor.)

Horr, John V., Hastings-on-Hudson, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Cardboard display device. 2,099,015; Nov. 16.

Horsfall, William H. D., and M. B. Jackson, Toronto, Ontario, Canada. Apparatus for preventing the oxidation of metals. 2,099,208; Nov. 16.

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Houghton, Donald M., Newton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Composite strand. 2,099,016; Nov. 16.

Howard, William A. (See Roberts, T. B., and Howard.)

Howell, Hugh A., Berwyn, assignor to United Pressed Products Co., Chicago, Ill. Loud speaking telephone system. 2,099,442; Nov. 16.

Howse, Curtis L., W. P. Thomas, and F. Bowers, assignors to Diamond Power Specialty Corporation, Detroit, Mich. Gas treating apparatus. 2,099,667; Nov. 16.

Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,099,564; Nov. 16.

Hufferd, George H., Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Lubricated rubber joint. 2,099,209; Nov. 16.

Hujo, Stephen, Jr., Clarksburg, W. Va. Goblet foot forming device. 2,099,485; Nov. 16.

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated resin esters and producing. 2,099,066; Nov. 16.

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenated resin esters and their production. 2,099,067; Nov. 16.

Humphrey, Irvin W., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resin and method of producing. 2,099,486; Nov. 16.

Hunter, Edward, Springfield, Ohio. Registering photographic reproductions used in process of color printing. 2,099,364; Nov. 16.

Huppke, Walter F. (See Frey, F. E., and Huppke.)

Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Apparatus for the liquid-treatment of fine filamentous thread. 2,099,338; Nov. 16.

Huttinger, William R., Lansdowne, Pa. Switch. 2,099,607; Nov. 16.

I. G. Farbenindustrie Aktiengesellschaft. (See Busse, Ferdinand, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Giesen, J., Hanisch, and Dally, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Rumcheidt, C., and Strzyzewski, assignors.)

Ilford Limited. (See Levy, L. A., and West, assignors.)

Imperial Chemical Industries Limited. (See Hill, R., and Walker, assignors.)

Inga Internationale Nahrungs- und Genussmittel-Aktiengesellschaft. (See Jezler, Hubert, assignor.)

Ingersoll-Rand Company. (See Carpenter, Allan O., assignor.)

Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)

Ingersoll-Rand Company. (See MacLean, John A., assignor.)

Inman, Harry A. and W. H., assignors to Bloomer Bros. Company, Newark, N. Y. Carton construction. 2,099,166; Nov. 16.

Inman, William H. (See Inman, Harry A. and W. H.)

International Patents Development Company. (See Ebert, C., and Newkirk, assignors.)

International Standard Electric Corporation. (See Mildner, Raymond C., assignor.)

Ireland, Murray, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill. Automatic electric toaster. 2,099,210; Nov. 16.

Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,099,115; Nov. 16.

Jackson, Maunsell B. (See Horsfall, W. H. D., and Jackson.)

James, Cyril H., and W. I. Bacon, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoe parts. 2,099,017; Nov. 16.

James, Henry C., Jr., Oakland, Calif., assignor to National Products, Inc. Clock. 2,098,965; Nov. 16.

Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Support for hosiery display forms. 2,099,652; Nov. 16.

Jensen, Peter A., Wall Lake, Iowa. Fastening device. 2,099,398; Nov. 16.

Jezler, Hubert, Zurich, assignor to the firm Inga Internationale Nahrungs- und Genussmittel-Aktiengesellschaft, Schaffhouse, Switzerland. Collapsible container. 2,099,523; Nov. 16.

Johnson, Carl W., Glencoe, and G. M. Smith, Congress Park, Ill.; said Smith assignor to said Johnson. Automobile jack. 2,099,487; Nov. 16.

Johnson, Clarence N. (See Mason, G. H., Shand, and Johnson.)

Joley, Albert N., Springfield, Mass., assignor to The Diamond Match Company, Wilmington, Del. Wire container. 2,099,339; Nov. 16.

Jones, Edwin P., Garden City, assignor to Champagne Paper Corporation, New York, N. Y. Manufacturing paper pulp. 2,099,399; Nov. 16.

Jones, Edwin P., Garden City, assignor to Champagne Paper Corporation, New York, N. Y. Preparation of paper pulp. 2,099,400; Nov. 16.

Jungmann, Martin, Vienna, Austria. Orthopedic correcting appliance. 2,099,401; Nov. 16.

Kalamazoo Paraffine Company. (See Macomber, Lewis H., assignor.)

Kalisz, Steve. (See Crenshaw, Benjamin A., assignor.)

Kalle & Co. Aktiengesellschaft. (See Kögel, G., and Zahn, assignors.)

Kalinbach, Lloyd R., West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamp. 2,099,116; Nov. 16.

Karr, Charles D., Holland, Mich. Bedding pad. 2,099,427; Nov. 16.

Kasdan, Nathan, New York, N. Y., and R. F. Landwehr, Laurelton, L. I., assignors to Majestic Metal Specialties Inc., New York, N. Y. Lipstick holder. 2,099,488; Nov. 16.

Kautz, Karl, Massillon, assignor to Republic Steel Corporation, Youngstown, Ohio. Enameling. 2,099,340; Nov. 16.

Kearney, James R., Corporation. (See Binkley, William J., assignor.)

Kearney, James R., Corporation. (See Fox, Charles A., assignor.)

Keen, Thomas B., New York, N. Y., and T. F. Gibboney, Reedsville, Pa. Blanket. 2,099,609; Nov. 16.

Keene, Kenneth L. (See Bradley, C. E., and Keene.)

Keith, Percy C., Jr., Peapack, assignor to Gasoline Products Company, Inc., Newark, N. J. Cracking oils in the vapor phase. 2,099,668; Nov. 16.

Keithly, Fred D., Forest Hills, N. Y. Fireplace screen. 2,099,068; Nov. 16.

Keller, Joseph W., Merion, assignor to Pratt Food Company, Philadelphia, Pa. Pill or tablet. 2,099,402; Nov. 16.

Keller, Joseph W., Merion, assignor to Pratt Food Company, Philadelphia, Pa. Split action tablet. 2,099,403; Nov. 16.

Keller, William H., Inc. (See Shaff, Ernest H., assignor.)

Keller, William J., St. Louis, Mo. Lateral draft burner. 2,099,608; Nov. 16.

Kelsay, Le Roy W., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal mounting. 2,099,117; Nov. 16.

Kemper, Käthe, Halver, assignor to F. E. Krauss, Schwarzenberg, Saxony, Germany. Linen wringing machine. 2,099,365; Nov. 16.

Kennedy, George W., Philadelphia, Pa. Toilet assembly. 2,099,118; Nov. 16.

Kennedy, John F., Evanston, Ill. Fluid heater. 2,099,018; Nov. 16.

Kenyon, William O., and R. H. Van Dyke, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Colored cellulose ester sheeting. 2,099,341; Nov. 16.

Kepler, Lionel J., Dayton, Ohio. Compensating wheel mounting. 2,099,304; Nov. 16.

Kerk Guild, Inc. (See Hokerk, Lynde D., assignor.)

Kilgen, George J., et al. (See Langdon, Jesse D., assignor.)

King, Harold L., Glen Ridge, A. Sharp, Bayonne, and K. Schnorr, Belleville, N. J. Yeast molding and cutting machine. 2,099,119; Nov. 16.

Kingman, Russell B., Orange, N. J. Polishing pad. 2,098,966; Nov. 16.

Kinzie, Charles, Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Pigments and making same. 2,099,019; Nov. 16.

Kirby, James E., and J. H. Werntz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flotation process. 2,099,120; Nov. 16.

Kitson Company. (See Werring, Francis W., assignor.)

Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,099,121; Nov. 16.

Klein, Hermann, Stuttgart-Feuerbach, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Starter for internal-combustion engines. 2,099,524; Nov. 16.

Knapp-Monarch Company. (See Fischer, William H., assignor.)

Kneisley, Richard D., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,099,653; Nov. 16.

Knowles, Albert G. (See Clark, C. L., and Knowles.)

Koepke, William F., assignor of thirty per cent to A. Berg, New York, N. Y. Portable electric head lamp. 2,099,167; Nov. 16.

Kögel, Gustav, Baden-Baden, and R. Zahn, Wiesbaden, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Light sensitive colloid layers and tanned pictures therefrom. 2,099,404; Nov. 16.

Kraft, Frederick G., Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Valve. 2,099,443; Nov. 16.

Krall, Reginald F. (See Middleton, C. C., and Krall.)

Krauss, Friedrich E. (See Kemper, Käthe, assignor.)

Kreisler, Jacques, New Rochelle, N. Y. Roll top container. 2,099,122; Nov. 16.

Krzikalla, Hans. (See Kunz, M. A., Krzikalla, and Limbacher.)

Krzikalla, Hans, H. Dehnert, and D. Vossen, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of water-soluble azo dyestuffs. 2,099,525; Nov. 16.

Kunz, Max A., Mannheim, and H. Krzikalla and W. Limbacher, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs. 2,099,168; Nov. 16.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,099,123; Nov. 16.

Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting and calculating machine. 2,099,565; Nov. 16.

Kurz, Konrad. (See Bach, S., and Kurz.)

Kutcher, Charles A., Sheridan, Wyo. Supercharger. 2,099,366; Nov. 16.

Lambert, Homer T., St. Joseph, Mich. Power transmission. 2,099,489; Nov. 16.

Lampl, Alfred, Berlin, Germany, assignor to Norma Electric Corporation, New York, N. Y. Electrical device. 2,099,305; Nov. 16.

Landreth, Morton L., Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin collector apparatus for use at telephone pay stations. 2,099,124; Nov. 16.

Landwehr, Richard F. (See Kasdan, N., and Landwehr.)

Lang, Henry T., assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Vacuum cleaner. 2,099,566; Nov. 16.

Langdon, Jesse D., assignor of two-thirds to G. J. Kilgen and E. W. Todd, Los Angeles, Calif. Resilient light socket and bracket extension. 2,099,405; Nov. 16.

Langdon, Jesse D., assignor of two-thirds to G. J. Kilgen and E. W. Todd, Los Angeles, Calif. Light casing. 2,099,444; Nov. 16.

Lange, Fritz. (See Brasch, A., and Lange.)

Lange, Max, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs. 2,098,967; Nov. 16.

Langslow, Esther A. S., New York, N. Y. Pipe clip. 2,099,125; Nov. 16.

Lapidus, Jack, et al. (See Marsden, Leonard, assignor.)

Larsen, Gabriel, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y. Forming tubes. 2,099,126; Nov. 16.

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Coupling mechanism. 2,099,490; Nov. 16.

Lavarack, Frederick C., Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y. Connecter. 2,099,526; Nov. 16.

Lawrence Duck Company. (See Barrell, William A., assignor.)

Lawton, Chester S., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Method of and apparatus for laying submarine cables. 2,099,527; Nov. 16.

La Ducer, Arthur O., assignor to The Wiremold Company, Hartford, Conn. Wiremold lumiline reflector. 2,099,020; Nov. 16.

Landes, George M., Webb City, Mo. Rodent trap. 2,099,021; Nov. 16.

Ledder, William, St. Louis, Mo. Receptacle and socket for neon tubes. 2,099,610; Nov. 16.

Leech, Beverley C., Regina, Saskatchewan, Canada, assignor to The Foregger Co., Inc. Pharyngeal bulb gasway. 2,099,127; Nov. 16.

Lefranc, Jacques G. A., Paris, France. Compounding ceramic products. 2,099,367; Nov. 16.

Lemmerman, Robert G., Lakeline, assignor to The Ferro Engineering Company, Cleveland, Ohio. Refractory. 2,099,342; Nov. 16.

Leonard, Claud. (See Leonard, J. W., Butterworth, Leonard, and Wellford, H. A. and W. L., Jr.)

Leonard, Jesse W., W. R. Butterworth, Jr., C. Leonard, and H. A. and W. L. Wellford, Memphis, Tenn. Barrel stave crozer. 2,099,445; Nov. 16.

Leonhauser, Henry A. Baltimore, Md., assignor to The Ohio Brass Company, Mansfield, Ohio. Renewable and self-lubricating trolley shoe. 2,099,491; Nov. 16.

Leupold, Volpel and Company. (See Stevens, John C., assignor.)

Levin, Samuel. (See Cohn, S. H., and Levin.)

Levine, Irwin B., assignor to Wired Radio, Inc., New York, N. Y. Transmission system. 2,099,022; Nov. 16.

Levoy, Monroe B., Great Neck, N. Y. Picture crime mystery game. 2,099,611; Nov. 16.

Levy, Leonard A., and D. W. West, London, assignors of one-half to Ilford Limited, Ilford, Essex, England. Fluorescent substances. 2,099,023; Nov. 16.

Levy, René L., Montrouge, France, assignor to Société d'Inventions Aernautiques et Mecaniques S. I. A. M., Fribourg, (Suisse). Device for the automatic control of camber flaps and the like for airplanes. 2,099,368; Nov. 16.

Lewis, Robert R., Baldwin, assignor to Vulcan Proofing Company, New York, N. Y. Draw sheet for rotary printing presses. 2,099,024; Nov. 16.

Light, Robert F., Mount Vernon, C. N. Frey, Scarsdale, and G. J. Patitz, Peekskill, assignors to Standard Brands Incorporated, New York, N. Y. Treating liquid yeast. 2,099,025; Nov. 16.

Limbacher, Walter. (See Kunz, M. A., Krzikalla, and Limbacher.)

Limeses, Jose, A. M. M. T. M. Saralegui, and C. A. P. Del Cerro, Buenos Aires, Argentina. Sculpture. 2,099,612; Nov. 16.

Lion Agricultural Implements Limited. (See Penn, Philip, assignor.)

Lipton, Ruby. (See Lipton, Sarah, assignor.)

Lipton, Sarah, assignor to R. Lipton, New York, N. Y. Hat fastener. 2,099,128; Nov. 16.

Little Falls Manufacturing Company. (See Green, Vernor E., assignor.)

Lobdell-Emery Manufacturing Company, The. (See Swett, Earl W., assignor.)

Lockert, Frank B., Dallas, Tex. Illuminated street marker. 2,099,446; Nov. 16.

Loewus, Julian S., Atlanta, Ga. Eraser. 2,099,613; Nov. 16.

Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train brake system. 2,099,428; Nov. 16.

Lorenz, C., Aktiengesellschaft. (See Hahnemann, W. M., and Gerth, assignors.)

Lowe, Ernest A., and J. R. Hamilton, Cleveland Heights, assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Fire extinguishing and alarm apparatus. 2,099,069; Nov. 16.

Lucius, William L., Rochester, N. Y. Building construction and panel for use therein. 2,099,211; Nov. 16.

Luders, Alfred E., Stamford, Conn. Boat. 2,099,492; Nov. 16.

Lund, Nels B., Seaford, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 2,099,654; Nov. 19.

Lundbye, Axel E., assignor to The Foote Company, Inc., Nunda, N. Y. Transmission mechanism for power booms of concrete pavers. 2,099,070; Nov. 16.

Lundbye, Axel E., assignor to The Foote Company, Inc., Nunda, N. Y. Distributing means for concrete pavers. 2,099,071; Nov. 16.

Lutz, Wilmer A., Bucyrus, Ohio. Lime spreader. 2,099,369; Nov. 16.

Lycoming Manufacturing Company. (See Anderson, William, assignor.)

Lynn, Ewing K., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve loader. 2,099,406; Nov. 16.

Lyon, George A., Allenhurst, N. J. Bumper guard. 2,099,212; Nov. 16.

Lyon, George R. (See Thies, H. R., and Lyon.)

MacClatchie, John W., Los Angeles, assignor to MacClatchie Manufacturing Company of California, Compton, Calif. Sealing means. 2,099,169; Nov. 16.

MacClatchie Manufacturing Company of California. (See MacClatchie, John W., assignor.)

MacFadden, Wilford C., Philadelphia, Pa., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Mounting bracket and installation thereof. 2,099,655; Nov. 16.

MacLean, John A., Hampton, assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,099,567; Nov. 16.

Macomber, Lewis H., assignor to Kalamazoo Paraffine Company, Kalamazoo, Mich. Wax cake. 2,099,213; Nov. 16.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Maneval, Charles H., assignor to Standard Novelty Works, Duncannon, Pa. Coaster sled. 2,099,656; Nov. 16.

Mahoney, John C., Westfield, N. J., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky. Double pipe heat exchanger. 2,099,493; Nov. 16.

Majestic Metal Specialties, Inc. (See Kasdan, N., and Landwehr, assignors.)

Majewski, Joseph M., Jr., assignor to Foster L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Fruit juice extractor. 2,099,170; Nov. 16.

Mallinckrodt, Charles O., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission regulation. 2,098,968; Nov. 16.

Markel, Orville, Chicago, W. H. Phillips, Oak Park, and J. M. Bandish, Chicago, Ill. Condenser tube seal. 2,099,026; Nov. 16.

Marks, William H. (See Packert, R. A., and Marks.)

Marsden, Leonard, Newton-le-Willows, Lancashire, assignor of one-third to J. Lapidus, Manchester, England, and one-third to P. Marsden, Edmonton, Alberta, Canada. Stamping and embossing machine and in particular biscuit making machines. 2,099,614; Nov. 16.

Marsden, Percival, et al. (See Marsden, Leonard, assignor.)

Marshall, William, Seattle, Wash. Register. 2,099,306; Nov. 16.

Marvin, John T. (See Matthews, B. L., and Marvin.)

Mason, George H., Glen Rock, and J. S. Shand, Paterson, N. J., and C. N. Johnson, New Brighton, N. Y., assignors to Hermas Machine Company, Hawthorne, N. J. Fabric shearing machine. 2,099,027; Nov. 16.

Master Builders Company, The. (See Scripture, Edward W., Jr., assignor.)

Matsuyama, Frank A., San Francisco, Calif. Police weapon. 2,099,447; Nov. 16.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Overhead trolley system. 2,099,494; Nov. 16.

Matthews, Birchard L., Lakewood, and J. T. Marvin, Fairview Village, assignors to The Patrol Valve Company, Cleveland, Ohio. Combination gas cock and thermostatic control means. 2,099,171; Nov. 16.

Mazzie, Gabriel M. (See Nissley, H. H., and Mazzie.)

McAdams, Harry, Philadelphia, assignor to The Nolde and Horst Company, Reading, Pa. Yarn-change feeding mechanism for circular knitting machines. 2,099,307; Nov. 16.

McAdams, James, Chicago, Ill. Beer tap adapter. 2,099,528; Nov. 16.

McAllister, Johanna C., Salt Lake City, Utah. Garment hanger slip-on cover. 2,099,308; Nov. 16.

McAllister, Walter H., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Forming the sulphuric esters of unsaturated higher alcohols. 2,099,214; Nov. 16.

McCallum & Robinson, Inc. (See Robinson, William W., assignor.)

McCabe, John J. (See Frantz, W. A., and McCabe.)

McCabe, John J., and A. W. Seyfried, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Suction sweeper. 2,099,172; Nov. 16.

McCarthy, Justin J., Boston, Mass. Finger print powder. 2,099,028; Nov. 16.

McCluer, Wilbert B., and M. R. Fenske, State College, Pa., assignor to Pennsylvania Petroleum Research Corporation. Treating mineral oils. 2,099,615; Nov. 16.

McCordock, Howard A., Webster Groves, Mo. Repeating back for cameras. 2,099,072; Nov. 16.

McCormick, Hugh M., et al. (See Tapp, Lora E., assignor.)

McDarment, Allan M. (See Wright, Jack, assignor.)

McDerment, James H., assignor to The Swartwout Company, Cleveland, Ohio. Ventilator. 2,099,309; Nov. 16.

McFarlane, Robert B., Toronto, Ontario, Canada. Door lock. 2,099,343; Nov. 16.

McGill Manufacturing Company. (See Robinson, Thomas L., assignor.)

McGraw Electric Company. (See Ireland, Murray, assignor.)

McKay, Edgar J., Short Hills, N. J. Tag. 2,099,029; Nov. 16.

McMullen, Carlton L., Llanerch, Pa. Fluid dispensing apparatus. 2,099,129; Nov. 16.

McNamee, Owen A., Worcester, Mass. Apparatus for coating wire. 2,099,270; Nov. 16.

McNeil, Claude P., Whiting, Ind., and S. A. Montgomery, Wood River, assignors to Standard Oil Company, Chicago, Ill. Asphalt oxidation. 2,099,448; Nov. 16.

McNeil, Gordon I. (See Teisher, A. A., and McNeil.)

McWhirter, Eric M. S., and J. G. Flint, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Printing telegraph manual exchange system. 2,099,130; Nov. 16.

Mensing, Frederick D., Philadelphia, Pa. Heat exchange system. 2,099,310; Nov. 16.

Merck & Co. Inc. (See Dalmer, O., Diehl, and Pieper, assignors.)

Merrimac Hat Corporation. (See Corporon, George J., assignor.)

Mestrezat, John W. (See O'Connell, Thomas J., assignor.)

Metalectric Corporation, The. (See Watson, Edgar E., assignor.)

Metzger, Friedrich, Berlin-Tempelhof, Germany, assignor to General Electric Company. Reactance element control. 2,099,568; Nov. 16.

Metzger, Otto, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Nuremberg, Germany. Making dry cells. 2,099,449; Nov. 16.

Meyer, Paul, New York, N. Y. Article of furniture. 2,099,450; Nov. 16.

Meyer, Walter A. (See Moran, R. C., and Meyer.)

Middleton, Charles C., and R. F. Krall, assignors to Woodall-Duckham (1920) Limited, London, England. Operating device for use in connection with coke-oven doors. 2,099,271; Nov. 16.

Midgley, Walter. (See Woodeson, W. A., and Midgley.)

Mildner, Raymond C., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Electric cable. 2,099,407; Nov. 16.

Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Thick butt shingle. 2,099,131; Nov. 16.

Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Making clutch facings, brake linings, and like products. 2,099,132; Nov. 16.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Selective vending machine. 2,099,344; Nov. 16.

Mills, Bert E., Oak Park, assignor to Mills Novelty Co., Chicago, Ill. Table leg construction. 2,099,657; Nov. 16.

Mills, George I. (See H'Doubler, C. W., and Mills.)

Mills Novelty Company. (See Mills, Bert E., assignor.)

Mirel, Louis L., Brooklyn, N. Y. Folding necktie holder. 2,099,495; Nov. 16.

Mishawaka Rubber and Woolen Manufacturing Company. (See Bradley, C. E., and Keene, assignors.)

Mitchell, Walter C., Los Angeles, Calif. Electric arc lamp. 2,099,073; Nov. 16.

Modern Equipment Corporation. (See Myers, Don D., assignor.)

Monforts, A. (See Bernstein, Ernst, assignor.)

Monnier, Vital, Lausanne, Switzerland. Phial. 2,099,370; Nov. 16.

Monowatt Electric Corporation, The. (See Benander, George B., assignor.)

Monsanto Chemical Company. (See Sibley, Robert L., assignor.)

Montgomery, Samuel A. (See McNeil, C. P., and Montgomery.)

Moore, James E., Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y. Producing hairy rayon yarn. 2,099,215; Nov. 16.

Moran, Robert C., Wenonah, and W. A. Meyer, Paulsboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of sulphonic acids. 2,099,529; Nov. 16.

Morgan Construction Company. (See Morgan, M., and Whalen, assignors.)

Morgan, Myles, Worcester, and J. N. Whalen, Boylston, assignors to Morgan Construction Company, Worcester, Mass. Shears. 2,099,496; Nov. 16.

Morrison, Charles C., Easton, Pa., assignor to Binney and Smith Co., New York, N. Y. Applying paint. 2,099,030; Nov. 16.

Morschel, Heinrich, Leverkusen-Wiesdorf, and F. Gund, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble azo-dyestuffs and fiber dyed therewith. 2,099,272; Nov. 16.

Muck, Otto, Marquartstein, L. F. Muller and P. Zier, Munich, Germany. Time and zone metering device. 2,099,616; Nov. 16.

Mueller, Clarence S., Point Place, Ohio. Chaser grinding means. 2,099,074; Nov. 16.

Mueller, Louis A., assignor to The Springfield Leather Products Company, Springfield, Ohio. Billfold. 2,099,569; Nov. 16.

Muller, Ludwig F. (See Muck, O., Muller, and Zier.)

Müller, Richard. (See Zellmann, R., and Müller.)

Mullins Manufacturing Corporation. (See Clark, C. L., and Knowles, assignor.)

Multiposter Advertising Corporation. (See Roberts, Charles, assignor.)

Munro, Alexander L., and H. H. Rumpel, assignors to Smith Engineering Works, Milwaukee, Wis. Granular material washer. 2,099,133; Nov. 16.

Murray, Albert C., Wakefield, assignor, by mesne assignments, to American Stay Company, Boston, Mass. Making shoe trimmings and the like. 2,098,969; Nov. 16.

Murray Corporation of America, The. (See Widman, Charles H., assignor.)

Murray, John D., assignor to Murray Liquafilm Corporation, Chicago, Ill. Coatings. 2,099,570; Nov. 16.

Murray Liquafilm Corporation. (See Murray, John D., assignor.)

Myer, James E., assignor to Timber Engineering Company, Washington, D. C. Timber connecter. 2,099,273; Nov. 16.

Myers, Don D., Toledo, assignor to Modern Equipment Corporation, Defiance, Ohio. Automobile lift. 2,099,274; Nov. 16.

N. V. Philips, Gloeilampenfabrieken. (See de Lange, Cornelis, assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)

Nass, Frederick H., and R. Campbell, Detroit, Mich. Metal testing machine. 2,099,216; Nov. 16.

National Products, Inc. (See James, Henry C., Jr., assignor.)

National Standard Company. (See Pierce, Robert C., assignor.)

National Technical Laboratories. (See Fracker, Henry E., assignor.)

National Tube Company. (See Bannister, Bryant, assignor.)

National Tube Company. (See Boax, John J., assignor.)

National Tube Company. (See Findlater, Stevenson, assignor.)

National Tube Company. (See Offutt, John W., assignor.)

National Union Radio Corporation. (See Nicholson, Madison G., Jr., assignor.)

Neal, John F., and W. M. Haessler, St. Louis, Mo. Resilient support. 2,099,031; Nov. 16.

Nelson, Orvis K., Pawhuska, Okla. Fluid current motor. 2,099,617; Nov. 16.

Nelson, William, Jr. (See Henson, W., and Nelson.)

Nemec, Fred A., Whittier, Calif. Gas burner. 2,099,275; Nov. 16.

Neufeld, Jacob. (See Scherbatskoy, S. A., and Neufeld.)

Newkirk, William B. (See Ebert, C., and Newkirk, assignors.)

Newland, Clinton C., Glendale, assignor to Frederick A. Speik, South Pasadena, Calif. Mop wringer. 2,099,217; Nov. 16.

Newton, Phillip S., Oakland, Calif. Therapeutic lamp and method. 2,098,990; Nov. 16.

New York Central Railroad Company, The. (See Hamilton, W. S. H., and Butt, assignors.)

Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Driving mechanism to maintain constant the required length of an endless driving means. 2,099,218; Nov. 16.

Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Mechanism to maintain constant the required length of an endless driving means. 2,099,219; Nov. 16.

Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Mechanism to maintain constant the required length of an endless driving means. 2,099,220; Nov. 16.

Nicholson, Madison G., Jr., Verona, assignor to National Union Radio Corporation, Newark, N. J. Circuit for reducing static. 2,099,311; Nov. 16.

Nihon Denki Kogyo Kabushiki Kaisha. (See Yonemura, S., Okazawa, and Osada, assignors.)

Nilson, Karl J. E., Schenectady, N. Y. Traction wheel. 2,099,136; Nov. 16.
Nissley, Harry H., Highland Park, and G. M. Mazzie, assignors to Chrysler Corporation, Detroit, Mich. Vehicle body construction. 2,099,134; Nov. 16.
Nolan, John R., Larchmont, N. Y., assignor to The Diamond Match Company, Wilmington, Del. Machine for making match packets. 2,099,137; Nov. 16.
Noide and Horst Company, The. (See McAdams, Harry, assignor.)
Norcross, Burt F., Dorchester, Mass. Shoe. 2,099,138; Nov. 16.
Norlipp Company, The. (See Dibelka, H. G., and Cramer, assignors.)
Norma Electric Corporation. (See Lampl, Alfred, assignor.)
Norris, George E., Columbus, Ohio. Recording mechanism for coin-operated machines. 2,099,173; Nov. 16.
North Vernon Industries, Inc. (See Platter, Orval R., assignor.)
Norton Company. (See De Leeuw, Adolph L., assignor.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,098,970; Nov. 16.
Nuebling, Edward, New York, N. Y. Water meter. 2,099,139; Nov. 16.
Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
O'Connell, Thomas J., assignor of one-half to J. W. Mestrezat, Flint, Mich. Egg separator. 2,099,276; Nov. 16.
Ofcutt, John W., Ellwood City, Pa., assignor to National Tube Company. Guide for tube rolling mills. 2,099,497; Nov. 16.
Ohio Brass Company, The. (See Burleson, Wade H., assignor.)
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohio Brass Company. (See Leonhauser, Henry A., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Okazawa, Tsuruji. (See Yonemura, S., Okazawa, and Osada.)
Okonite-Callender Cable Company. (See Bennett, Charles E., assignor.)
Old, Charles A. (See Trewhitt, J. E., and Old.)
Olds, Ransom E., assignor to Hill-Diesel Engine Company, Lansing, Mich. Diesel engine. 2,099,371; Nov. 16.
Olney, George W., Minneapolis, Minn. Machine for spreading and distributing coal to furnaces. 2,099,618; Nov. 16.
Olszanowski, Peter A., Buffalo, N. Y. Body support or stool. 2,099,345; Nov. 16.
O'Neill, Eugene F., assignor of fifty per cent to F. M. Skaj, St. Paul, Minn. Advertising blotting device. 2,099,135; Nov. 16.
Ornamental Specialties, Inc. (See Comstock, M., and Schoepflin, assignors.)
Osada, Kota. (See Yonemura, S., Okazawa, and Osada.)
Ostline, John E., Berwyn, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,099,429; Nov. 16.
Outman, Winfred H., Richmond, Calif., assignor to Certain-Teed Products Corporation, New York, N. Y. Making a covering for surfaces exposed to the weather. 2,099,571; Nov. 16.
Outman, Winfred H., Richmond, Calif., assignor to Certain-Teed Products Corporation, New York, N. Y. Covering for surfaces exposed to the weather. 2,099,572; Nov. 16.
Overhead Door Corporation. (See Blodgett, Herbert C., assignor.)
Overturf, Clarence A., assignor to American Tire Guard Company, Detroit, Mich. Tire deflating device. 2,099,642; Nov. 16.
Owens, Henry & Company. (See Owens, H., and Bottomley, assignors.)
Owens, Henry, Providence, R. I., and S. Bottomley, North Andover, Mass., assignors to Henry Owens & Company, Inc., Providence, R. I. Selective strand trapping and cutting device for use in strand doubling or twisting machines. 2,099,530; Nov. 16.
Packert, Richard A., West Orange, and W. H. Marks, Clifton, N. J. Protecting device. 2,099,408; Nov. 16.
Partch, Leonard N., et al. (See Garner, Russell H., assignor.)
Passarge, Gerhard, Hamburg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,099,531; Nov. 16.
Patent and Licensing Corporation, The. (See Avery, Henry C., assignor.)
Patitz, Gerhardt J. (See Light, R. F., Frey, and Patitz.)
Patrol Valve Company, The. (See Matthews, B. L., and Marvin, assignors.)
Patterson, Herbert F., assignor to Chrysler Corporation, Detroit, Mich. Transmission. 2,099,140; Nov. 16.
Patterson, Michael A. (See Pessagno, E. A., Schreier, Patterson, and Worland.)
Paulson, Nils I., assignor to Halsam Products Company, Chicago, Ill. Toy building construction. 2,099,075; Nov. 16.
Paxton, Gerald C., Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Drop bar clean-out. 2,099,221; Nov. 16.
Paxton, Gerald C., Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Fresh fruit brusher. 2,099,222; Nov. 16.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Sizer. 2,099,223; Nov. 16.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Lemon washer. 2,099,224; Nov. 16.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Clean-out. 2,099,225; Nov. 16.
Paxton, Hale, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Clean-out. 2,099,226; Nov. 16.
Payson, Arthur H., assignor to The American Thermos Bottle Company, Norwich, Conn. Bottle assembly. 2,099,174; Nov. 16.
Pearson, Richard E., and W. V. Gilbert, London, England; said Pearson assignor to said Gilbert. Preparation of chromic acid and sparingly soluble chromates. 2,099,658; Nov. 16.
Penn, Philip, assignor to Lion Agricultural Implements Limited, Winnipeg, Manitoba, Canada. Agricultural implement. 2,099,032; Nov. 16.
Pennsylvania Petroleum Research Corporation. (See McCluer, W. B., and Fenske, assignors.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Air cooling unit for automobile vehicles. 2,099,227; Nov. 16.
Pepper, Carl P., Fort Wayne, Ind., assignor to General Electric Company. Electric switch. 2,099,573; Nov. 16.
Perkins, Albert G., Warsaw, N. Y. Pipe coating apparatus. 2,099,076; Nov. 16.
Perkins, Albert G., Warsaw, N. Y. Feed apparatus for pipe coating machines and the like. 2,099,346; Nov. 16.
Perkins, Frank P., assignor to Michael Yundt Company, Waukesha, Wis. Conveyer. 2,098,971; Nov. 16.
Permutit Company, The. (See Riley R., and Bruce, assignors.)
Pessagno, Emile A., Chevy Chase, Md., E. P. Schreier, M. A. Patterson, and W. V. Worland, Washington, D. C. Building construction. 2,099,077; Nov. 16.
Peterson, Adolph H. (See Pleiter, A., and Peterson.)
Peterson, Donald L., Minneapolis, Minn. Animated display. 2,099,277; Nov. 16.
Petroleum Rectifying Company of California. (See St. Hill, Thomas N., assignor.)
Philadelphia Quartz Company. (See Carter, John D., assignor.)
Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,099,409; Nov. 16.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Device for grooving valve stems and the like. 2,099,228; Nov. 16.
Phillips Petroleum Company. (See Buell, A. E., and Schulze, assignors.)
Phillips, William H. (See Markel, O., Phillips, and Bandish.)
Phillips Petroleum Company. (See Frey, F. E., and Huppke, assignors.)
Pieper, Hartmann. (See Dalmer, O., Diehl, and Pieper.)
Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Wire-handling apparatus. 2,099,532; Nov. 16.
Pilot Letter Label Co. (See Elmore, Charles F., assignor.)
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined typewriting and computing machine. 2,098,972; Nov. 16.
Place, Blon C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing trim panels. 2,099,619; Nov. 16.
Platter, Orval R., assignor to North Vernon Industries, Inc., North Vernon, Ind. Folding chair. 2,099,498; Nov. 16.
Plax Corporation. (See Ferngren, Enoch T., assignor.)
Pleiter, Albert, and A. H. Peterson, Northville, Mich. Garment. 2,099,620; Nov. 16.
Polleys, Herbert R., New Haven, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Trimming machine knife guard supporting and operating mechanism. 2,099,033; Nov. 16.
Poor & Company. (See Backes, Edward W., assignor.)
Porcelier Manufacturing Company. (See Walder, Emil, assignor.)
Porsche, Ferdinand, Stuttgart, Germany. Spring suspension of independent car wheels, especially for motor vehicles. 2,099,312; Nov. 16.
Porskievics, Anthony J., Atlantic Highlands, N. J., assignor to W. B. Wait, New York, N. Y. Speed and cut-off indicator for locomotives. 2,099,101; Nov. 16.
Possenheim, Louis, New York, N. Y. Fin equipped rudder. 2,099,229; Nov. 16.
Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Unwinding apparatus for paper webs and the like. 2,099,313; Nov. 16.

Potdevin, Adolph, Garden City, assignor to Potdevin Machine Company, Brooklyn, N. Y. Cutting-off mechanism for bag making machines and the like. 2,099,314; Nov. 16.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Pratt Food Company. (See Keller, Joseph W., assignor.)
Prescott, John H., Columbus, Ohio. Convertible metallic cot. 2,099,621; Nov. 16.
Printz, Glenn E., Detroit, Mich. Apparatus for electrically marking metals. 2,099,622; Nov. 16.
Prinz, Dietrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron. 2,099,533; Nov. 16.
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Procházka, Karel, Dusniky, Czechoslovakia. Track sanding device. 2,099,315; Nov. 16.
Procter & Gamble Company, The. (See McAllister, Walter H., assignor.)
Quea, Thomas S., Watertown, Conn. Can opener. 2,099,430; Nov. 16.
Rabe, Karl, Stuttgart, Germany. Precombustion-chamber engine. 2,099,316; Nov. 16.
Radio Corporation of America. (See Carter, Philip S., assignor.)
Raffles, Harry, Chicago, Ill. Metal tapping tool. 2,099,246; Nov. 16.
Railton, Reid A., Byfleet, England, and A. C. Sampietro, Genoa, Italy, assignors to Robot Gearing Limited, London, England. Preselective change-speed gearing. 2,099,141; Nov. 16.
Railroad Accessories Corporation. (See Lavarack, Frederick C., assignor.)
Ramapo Ajax Corporation. (See Eastburn, S. L., and Banker, assignors.)
Ranault, Louis. (See Saives, Léon, assignor.)
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randal, Howard S. (See Roberts, T. B., and Howard, assignor.)
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Electric vulcanizer. 2,099,499; Nov. 16.
Raymond Concrete Pile Company. (See Upson, M. M., and Smith.)
Raymond Concrete Pile Company. (See Watt, Elihu D., assignor.)
Reeb, Henry, assignor to Friendly Knitting Mills, Inc., Brooklyn, N. Y. Sweater. 2,099,431; Nov. 16.
Relber, Albert H., Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Plural selection adapter for delay mechanism. 2,098,973; Nov. 16.
Reichel, John, assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Sterilization of lyophilic biologically active substances. 2,099,659; Nov. 16.
Reid, Marvin J., assignor to Eastman Kodak Company, Rochester, N. Y. Recovery of cellulose esters from scrap. 2,099,347; Nov. 16.
Reid, Marvin J., assignor to Eastman Kodak Company, Rochester, N. Y. Reclaiming film scraps. 2,099,348; Nov. 16.
Reinhard, Carl A., Los Angeles, Calif. Means and method of determining the inclination of well holes. 2,099,372; Nov. 16.
Remington Arms Company. (See Brun, Willi, assignor.)
Repass, George E., Gulfport, Miss. Drafting apparatus. 2,098,974; Nov. 16.
Republic Steel Corporation. (See Kautz, Karl, assignor.)
Research Corporation. (See Hedberg, Carl W. J., assignor.)
Reynolds Corporation. (See Coddington, Edwin D., assignor.)
Rheinmetall-Borsig Aktiengesellschaft Werk Borsig. (See Geissen, Carl, assignor.)
Geissen, Carl, assignor.)
Rich, Louise B., administratrix. (See Rich, Willis D.)
Rich, Willis D., Hingham, Mass., deceased; Louise B. Rich, administratrix. Furniture pad. 2,098,975; Nov. 16.
Richard, Charles D. (See Roberts, J. G., and Richard.)
Richards, Dwight R., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,099,373; Nov. 16.
Richards, Joshua M., Brookline, Mass. Skylight or floor-light construction. 2,099,534; Nov. 16.
Richardson, Eric W. (See Gardner, Albert T., assignor.)
Riely, James C., et al. (See Tapp, Lora E., assignor.)
Riley, Ray, Long Island City, N. Y., and W. McA. Bruce, Mt. Holly, N. J., assignors to The Permutit Company, New York, N. Y. Cupriferous fungicides. 2,099,623; Nov. 16.
Rival Manufacturing Company. (See Majewski, Joseph M., Jr., assignor.)
Rix, Edward G., assignor to American Perforator Company, Chicago, Ill. Perforating machine. 2,099,230; Nov. 16.
Robarge, George F., Toledo, Ohio. Machine for simultaneously forming rings and assembling them on shafts. 2,099,624; Nov. 16.
Roberts, Charles, assignor to Multiposter Advertising Corporation, New York, N. Y. Display device and drive therefor. 2,099,142; Nov. 16.
Roberts, John G., Dobbs Ferry, and C. D. Richard, West New Brighton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter device. 2,099,143; Nov. 16.
Roberts, Turney B., and W. A. Howard, Memphis, Tex.; said Howard assignor to H. S. Randal, Memphis, Tex. Steering wheel structure. 2,099,625; Nov. 16.
Robinson, Thomas L., assignor to McGill Manufacturing Company, Valparaiso, Ind. Bearing. 2,099,660; Nov. 16.
Robinson, William W., assignor to McCallum & Robinson, Inc., Memphis, Tenn. Rug and making same. 2,099,626; Nov. 16.
Robot Gearing Limited. (See Railton, R. A., and Sampietro, assignors.)
Roller-Smith Company. (See Wood, Joseph D., assignor.)
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Refractor. 2,099,034; Nov. 16.
Romine, Mary C., administratrix. (See Romine, Robert T.)
Romine, Robert T., deceased, Macomb County, by Mary C. Romine, Mt. Clemens, Mich., administratrix. Stack lifter. 2,099,078; Nov. 16.
Rosebury, Fred, assignor to University Patents, Inc., New York, N. Y. Vacuum tube potentiometer. 2,099,349; Nov. 16.
Roseman, Leo. (See Rosenman, H., and Roseman.)
Rosenberg, Heyman, New York, N. Y. Blank feeding means. 2,099,232; Nov. 16.
Rosenman, Herman, and L. Roseman, Newark, N. J. Slip stitch sewing machine. 2,099,574; Nov. 16.
Rosow, Morris, Philadelphia, Pa. Coat tie. 2,099,535; Nov. 16.
Ross, Paul A. (See De Witt, W. J., and Ross.)
Rossmann, Rudolf, Gauting, near Munich, Germany, assignor to Tefag Textil-Finanz A.-G., Zurich, Switzerland. High capacity weaving machine. 2,099,027; Nov. 16.
Rossomme, Raymond H. (See Vayda, L. L., and Rossomme.)
Rounds, Marion D., South Braintree, Mass. Processed sugar and making the same. 2,099,175; Nov. 16.
Rowley, Arthur A., Hamden, assignor to Winchester Repeating Arms Company, New Haven, Conn. Upturn-and-pullback bolt-action firearm. 2,099,035; Nov. 16.
Royal Typewriter Company. (See Utz, Anthony, assignor.)
Ruben, Samuel, New Rochelle, N. Y. Reaction products of glycols and alkaloids. 2,099,432; Nov. 16.
Rumpel, Harvey H. (See Munro, A. L., and Rumpel.)
Rumscheidt, Carl, and A. Strzyzewski, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of coarsely crystalline ammonium sulphate. 2,099,079; Nov. 16.
Ruskin, Frances R. (See Ruskin, Simon L., assignor.)
Ruskin, Simon L., assignor to F. R. Ruskin, New York N. Y. Medicinal preparations containing metal compounds of decomposition products of nucleoproteins. 2,098,976; Nov. 16.
Rusler, George W., Verona, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Bottom hole well sampler. 2,099,080; Nov. 16.
Russ, Edward H., Jr., Louisville, Ky. Stretching and drying apparatus. 2,099,081; Nov. 16.
Ruys, Jan D., Pittsburg, and J. W. Edwards, Concord, Calif., assignors to Shell Development Company, San Francisco, Calif. Halogenation of unsaturated compounds. 2,099,231; Nov. 16.
Ryerson, Creighton W., assignor to Ryerson & Haynes, Inc., Jackson, Mich. Laminated rim construction and making the same. 2,099,410; Nov. 16.
Ryerson & Haynes, Inc. (See Ryerson, Creighton W., assignor.)
Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsley, assignor.)
St. Hill, Thomas N., San Marino, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electric dehydrator. 2,098,982; Nov. 16.
St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
Saives, Léon, assignor to L. Renault, Billancourt, France. Rolling of thin sheet metal. 2,099,082; Nov. 16.
Sampietro, Achille C. (See Railton, R. A., and Sampietro.)
Sampson, James F., Skiatook, Okla. Adjustable pull rod clamp. 2,099,628; Nov. 16.
Sandberg, Ray A., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Brake lever construction. 2,099,233; Nov. 16.
Sanders, Edward A., Bath, England. Safety fuse. 2,099,500; Nov. 16.
Saralegui, Antonio M. M. T. M. (See Limeses, J., Saralegui, and De Cerro.)
Savage, Marion A., Scotia, N. Y., assignor to General Electric Company. Dynamo-electric machine. 2,099,575; Nov. 16.
Sayles, Bertram J. (See Brown, Roger S., assignor.)
Schaetzel, Edward G., Alhambra, Calif. Closure and pouring device. 2,099,629; Nov. 16.
Schauweker, William K., Cleveland, Ohio. Check and check controlled mechanism. 2,099,234; Nov. 16.
Schenck, Friedrich. (See Windaus, A., and Schenck.)
Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Vehicle lighting. 2,099,451; Nov. 16.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company. Lighting system. 2,099,452; Nov. 16.

Scherbatskoy, Serge A., and J. Neufeld, assignors to Engineering Laboratories, Inc., Tulsa, Okla. Method and apparatus for seismic prospecting. 2,099,536; Nov. 16.

Schiebeler, Carl, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Control system. 2,099,576; Nov. 16.

Schimanek, Emil, Budapest, Hungary. Internal combustion engine. 2,099,278; Nov. 16.

Schmidt, Francis J., Wauwatosa, Wis. Storm window top ventilator. 2,099,235; Nov. 16.

Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Machine for making and attaching wire basket handles or the like. 2,099,411; Nov. 16.

Schmiedeknecht, Victor E., Louisville, Ky., assignor to Standard Sanitary Manufacturing Company. Dental lavatory. 2,099,317; Nov. 16.

Schmitt, George P., New York, N. Y. Razor and hair clipper. 2,099,537; Nov. 16.

Schneider, Adolf G., Beloit, Wis. Transmission. 2,099,630; Nov. 16.

Schnider, Morris, Los Angeles, Calif. Soap and brush holder. 2,099,279; Nov. 16.

Schnorr, Karl. (See King, H. L., Sharp, and Schnorr.)

Schoepflin, Herbert C. (See Comstock, M., and Schoepflin.)

Scholes, Daniel R., Oak Park, assignor to Aermotor Company, Chicago, Ill. Power transmitting and lubricating mechanism. 2,099,036; Nov. 16.

Schreier, Edwin P. (See Pessagno, E. A., Schreier, Patterson, and Worland.)

Scripture, Edward W., Jr., Shaker Heights, assignor to The Master Builders Company, Cleveland, Ohio. Aluminous cements. 2,099,176; Nov. 16.

Schultz, Alfred H., New York, N. Y. Picture frame. 2,099,538; Nov. 16.

Schulze, Walter A. (See Buell, A. E., and Schulze.)

Schwab, Martin C., Chicago, Ill. Valve for liquid-flow apparatus. 2,099,083; Nov. 16.

Schwarz, Bruno E., Barcelona, Spain, and F. D. Dean, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Making shoe stiffeners. 2,099,037; Nov. 16.

Schwarz, Georg, Anvers, assignor to Gevaert Photo-Production N. V., Onde God, near Anvers, Belgium. Photographic developer and photographic developing. 2,099,374; Nov. 16.

Searle, Dudley F., Oakland, Calif. Air brake control system. 2,099,453; Nov. 16.

Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing rubber conversion products. 2,099,318; Nov. 16.

Seckham, Charles P., Wakefield, England. Apparatus for stripping electric cables. 2,099,084; Nov. 16.

Seidler, Carl, New York, N. Y. Dispensing container. 2,099,412; Nov. 16.

Sellen, Charles L., assignor to S. D. Barker, Seattle, Wash. Hose supporter. 2,098,977; Nov. 16.

Serra, Luigi, Washington, D. C., assignor to Serra Ltd. Siphon flush tank. 2,099,631; Nov. 16.

Serra Ltd. (See Serra, Luigi, assignor.)

Servel, Inc. (See Ullstrand, Hugo M., assignor.)

Seward, Clarence L., Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind. Antivibration support for instruments. 2,099,375; Nov. 16.

Seyfried, Arthur W. (See McCabe, J. J., and Seyfried.)

Shaff, Ernest H., assignor to W. H. Keller, Inc., Grand Haven, Mich. Portable pressure fluid actuated tool. 2,099,280; Nov. 16.

Shand, John S. (See Mason, G. H., Shand, and Johnson.)

Shapiro, Abraham, assignor to Universal Stamping & Mfg. Co., Chicago, Ill. Motion picture and sound reproducing machine. 2,099,376; Nov. 16.

Sharp, Albert. (See King, H. L., Sharp, and Schnorr.)

Sharp & Dohme, Incorporated. (See Reichel, John, assignor.)

Sharp, Robert E. B., Philadelphia, Pa., assignor to Baldwin-Southwark Corporation. Strip bearing. 2,099,661; Nov. 16.

Shaw, David M., Sydenham, London, England. Grip, handle, or shaft of percussive or swinging implements. 2,099,319; Nov. 16.

Shaw, George S., Wallasey, England. Moving band for advertising and the like devices. 2,099,281; Nov. 16.

Sheehan, William M., Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill. Vehicle structure. 2,099,145; Nov. 16.

Shell Development Company. (See de Simó, M., and Hilmer, assignors.)

Shell Development Company. (See Ruys, J. D., and Edwards, assignors.)

Sherman, John Q., Dayton, Ohio. Split platen mounting. 2,098,978; Nov. 16.

Shikles, John R., Dearborn, Mo. Milk testing device. 2,099,038; Nov. 16.

Shively, Holly I., Chicago, Ill. Stocking. 2,099,530; Nov. 16.

Shoe Form Co. (See De Witt, W. J., and Ross, assignors.)

Shrode, John L., assignor to Alco Valve Company, Incorporated, St. Louis, Mo. Superheat control for refrigeration systems. 2,099,085; Nov. 16.

Shroyer, Jacob L., Oak Park, Ill. Automobile brake tester. 2,098,979; Nov. 16.

Shultz, John H. (See Dahl, L. S., and Shultz.)

Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Coating composition and preparing same. 2,099,236; Nov. 16.

Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Coating composition. 2,099,237; Nov. 16.

Siebs, Claude T. (See Brown, A. B., and Siebs.)

Siemens Brothers & Company Limited. (See Wigan, Edmund R., assignor.)

Siever, Hughes L., Keyser, W. Va., assignor to Borne Scrymser Company, New York, N. Y. Conditioning textile stock. 2,099,146; Nov. 16.

Silver, Myer S., Brookline, Mass. Arch support pad. 2,099,577; Nov. 16.

Simon, Victor. (See Gruyer, Jean M., assignor.)

Simpson, Alexander, London, England. Wearing apparel. 2,099,238; Nov. 16.

Sinclair Refining Company. (See Herthel, Eugene C., assignor.)

Sigveland, Ivar E., St. Paul, Minn. Dental matrix. 2,099,454; Nov. 16.

Skaj, Frank M. (See O'Neill, Eugene F., assignor.)

Slonneger, John C., assignor to The Falk Corporation, Milwaukee, Wis. Dynamometer. 2,099,662; Nov. 16.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,099,377; Nov. 16.

Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,099,378; Nov. 16.

Smith, A. O., Corporation. (See Baird, Ronald J., assignor.)

Smith, David C., Jacksonville, Ill. Clothes pin. 2,099,177; Nov. 16.

Smith, Donald H., Hempstead, assignor to The Western Union Telegraph Company, New York, N. Y. Insulator shield. 2,099,540; Nov. 16.

Smith, Edward A. (See Upson, M. M., and Smith.)

Smith Engineering Works. (See Munro, A. L., and Rumpel, assignors.)

Smith, Ernest, Manchester, England. Guard for machinery. 2,099,282; Nov. 16.

Smith, Gilbert M. (See Johnson, C. W., and Smith.)

Smith, Horace S. (See Bancroft, H. L., and Smith.)

Smith, L. C., & Corona Typewriters, Inc. (See Gabrielson, C., and Waucquez, assignors.)

Smith, Preston R., Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa. Bituminous emulsion. 2,099,351; Nov. 16.

Smith, Preston R., Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa. Bituminous emulsion. 2,099,352; Nov. 6.

Smith, Preston R., Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa. Bituminous emulsion. 2,099,353; Nov. 16.

Smith, Russell T., assignor to Climax Machinery Company, Indianapolis, Ind. Dehumidifier. 2,099,665; Nov. 16.

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Snyder, Arthur L., Garden City, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for the utilization of artificial thread. 2,099,178; Nov. 16.

Snyder, Jesse B., Tacoma, Wash. Boiler pressure control apparatus. 2,099,239; Nov. 16.

Société d' Inventions Aeronautiques et Mecaniques S. I. A. M. (See Levy, René L., assignor.)

Socony-Vacuum Oil Company. (See Moran, R. C., and Meyer, assignors.)

Sowter, Percy F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Yarn manufacture. 2,098,980; Nov. 16.

Sowter, Percy F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Yarn manufacture. 2,098,981; Nov. 16.

Spaeth, Charles, Flushing, N. Y. Magnetic discharge device. 2,099,144; Nov. 16.

Spain, Rowland W., assignor of one-half to H. J. Tully & Company, New York, N. Y. Abdominal bandage and support. 2,099,541; Nov. 16.

Speicher, John K., Newark, assignor to Hercules Powder Company, Wilmington, Del. Nitrocellulose emulsions and producing. 2,099,501; Nov. 16.

Spelk, Frederick A. (See Newland, Clinton C., assignor.)

Spellacy, John R., Millbrae, Calif., assignor, by mesne assignments, to Hercules Powder Company, Wilmington, Del. Manufacturing casein. 2,099,379; Nov. 16.

Springfield Leather Products Company, The. (See Mueller, Louis A., assignor.)

Sproul, Donald F., Chicago, Ill., assignor to Cardwell-Westinghouse Company. Bolster supporting unit. 2,099,240; Nov. 16.

Stainbrook, Forest A., Boston, Mass. Sharpening device. 2,099,179; Nov. 16.

Standard Brands Incorporated. (See Light, R. F., Frey, and Pattiz, assignors.)

Standard Novelty Works. (See Maneval, Charles H., assignor.)

Standard Oil Company. (See McNeil, C. P., and Montgomery, assignors.)

Standard Oil Company. (See Webb, William L., assignor.)

Standard Oil Company, The. (See Culbertson, Albert B., Jr., assignor.)

Standard Sanitary Manufacturing Company. (See Schmiedeknecht, Victor E., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)

Starr, Frederick E., Belzoni, Miss. Blind fastener for wall and ceiling boards. 2,099,632; Nov. 16.

Steel, Samuel T. (See Durnell, H. G., and Steel.)

Steele, Burt J., Columbus, Ohio. Envelope. 2,099,354; Nov. 16.

Stelkens, Willy, Cologne-on-the-Rhine, Germany. Uniting curved bodies including boots and shoes. 2,099,320; Nov. 16.

Stetson-Ross Machine Company. (See Nicolson, F. A., and Pritchard, assignors.)

Stevens, Edwin F., St. Paul, Minn. Interlocking steel sheet piling. 2,099,542; Nov .16.

Stevens, Edwin F., St. Paul, Minn. Concrete interlocking piling. 2,099,543; Nov. 16.

Stevens, John C., assignor to Leupold Volpel and Company, Portland, Oreg. Liquid level recorder. 2,099,180; Nov. 16.

Stevenson, Hale W., Des Moines, Iowa. Traction spreader. 2,099,283; Nov. 16.

Stewart, Hugh T., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing composition. 2,099,241; Nov. 16.

Stewart, Hugh T., assignor to The Garlock Packing Company, Palmyra, N. Y. Packing composition. 2,099,242; Nov. 16.

Stewart, Robert H., Detroit, Mich. Display sign and construction. 2,099,633; Nov. 16.

Stickney, Burnham C., Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,099,578; Nov. 16.

Stockdale, Harry C. Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif. Cleaning device for strainers. 2,099,502; Nov. 16.

Stoesser, Wesley C., assignor to The Dow Chemical Company, Midland, Mich. Pyrolysis of hydrocarbons. 2,099,350; Nov. 16.

Strain, Daniel E., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulosic article of manufacture and preparing same. 2,099,455; Nov. 16.

Strate-Stroke Pumps and Engines Proprietary Limited. (See Hilldyard, William A., assignor.)

Strelow, Max. (See Strelow, Wilhelm, and M.)

Strelow, Wilhelm, Berlin-Zehlendorf, and M. Strelow, Potsdam, Germany. Gas valve construction. 2,099,284; Nov. 16.

Strezoff, Bogola, Minneapolis, Minn. Boat propelling device. 2,099,544; Nov. 16.

Strobridge, William, Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Garment pressing machine. 2,099,181; Nov. 16.

Strouse Adler Company, The. (See Bissell, Raymond W., assignor.)

Strzyzewski, Anton. (See Rumscheidt, C., and Strzyzewski.)

Stubnitz-Greene Spring Corporation. (See Findora, John A., assignor.)

Sullivan Machinery Company. (See Richards, Dwight R., assignor.)

Swartwout Company, The. (See McDerment, James H., assignor.)

Sweet, Herbert P., Providence, R. I. Door latch. 2,099,456; Nov. 16.

Swett, Earl W., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich. Saddle and making the same. 2,099,503; Nov. 16.

Swingspout Measure Company. (See Wiswell, Ozro N., assignor.)

Taaffe, Thomas, Los Angeles, Calif. Illuminated sign. 2,099,243; Nov. 16.

Taglabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)

Tait, Charles R. (See Goodrich, A. S., and Tait.)

Talger, Foster L. (See Majewski, Joseph M., Jr., assignor.)

Tapp, Lorn E., assignor of six and one-fourth per cent to J. W. Baxter, Jr., six and one-fourth per cent to D. F. Felock, twelve and one-half per cent to J. C. Riely, twenty-five percent to H. M. McCormick, New Albany, Ind. Key-lever-lock for key-lever type machines. 2,099,147; Nov. 16.

Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Scroll saw. 2,099,321; Nov. 16.

Taylor, Warren G., Chicago, Ill. Vacuum tube. 2,099,579; Nov. 16.

Taylor, William I., and A. H. Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America. Lubrication of twisting spindles used in yarn and like winding machinery. 2,099,039; Nov. 16.

Tefag Textil-Finanz A.-G. (See Rossmann, Rudolf, assignor.)

Teisher, Austin A., and G. I. McNeil, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Belt. 2,099,545; Nov. 16.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Passarge, Gerhard, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Prinz, Dietrich, assignor.)

Teletypesetter Corporation. (See Reiber, Albert H., assignor.)

Temple, Paul C., assignor to A. W. Cash Company, Decatur, Ill. Lever. 2,099,244; Nov. 16.

Teorell, Karl H., Stockholm, Sweden. Tool for cleaning furnace-grates. 2,099,355; Nov. 16.

Terpak, Stephen, Pittsfield, Mass., assignor to General Electric Company. High voltage liquid-filled bushing. 2,099,666; Nov. 16.

Texas Company, The. (See Weber, Charles W., assignor.)

Textile Machine Works. (See Janssen, Henry, assignor.)

Thew Shovel Company. (See Wilson, Emery J., assignor.)

Thies, Herman R., Stow, and G. R. Lyon, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del. Treatment of rubber. 2,099,546; Nov. 16.

Thomas, Willis P. (See Howse, C. L., Thomas, and Bowers.)

Thompson, Frederick B., Hollywood, Calif. Motion picture film treating apparatus. 2,099,245; Nov. 16.

Thompson Products, Incorporated. (See Hufferd, George H., assignor.)

Thorp, Gerald, and E. Halse, assignors to Bethlehem Foundry & Machine Company, Bethlehem, Pa. Apparatus for heat treating granular foods. 2,099,634; Nov. 16.

Timber Engineering Company. (See Myer, James E., assignor.)

Timbers, Homer H. (See Atti, Raphael, assignor.)

Timmis, William W., Glen Cove, and W. K. Walker, assignors to American Radiator Company, New York, N. Y. Heat exchange system. 2,099,182; Nov. 16.

Tinsley, John S., New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del. Laminated glass. 2,099,086; Nov. 16.

Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)

Tobey, Fred W., Grand Rapids, Mich. Filing cabinet. 2,099,148; Nov. 16.

Todd, Edward W., et al. (See Langdon, Jesse D., assignor.)

Toledo Scale Manufacturing Company. (See Hem, Halvor O., assignor.)

Tondeur, Rene, London, England. Manufacture of metallic tubing. 2,099,040; Nov. 16.

Toniolo, Guy, Grapeville, Pa. Ashtray. 2,099,635; Nov. 16.

Trans-Lux Corporation. (See Blohm, August H., assignor.)

Travers, Fred H., Stratford, Conn., assignor to General Electric Company. Switch handle. 2,099,580; Nov. 16.

Trewhitt, James E., and C. A. Old, assignors to Joseph N. Borroughs, Oakland, Calif. Towel dispensing device. 2,099,183; Nov. 16.

Tubize Chatillon Corporation. (See Moore, James E., assignor.)

Tully, Henry J., & Company. (See Spain, Rowland W., assignor.)

Turner, Harold R., Pittsfield, Mass., assignor to General Electric Company. Terminal for lead covered cables. 2,099,581; Nov. 16.

Turnquist, Alexander N., Glen Ellyn, Ill. Building block. 2,099,149; Nov. 16.

Uber, Harold L., assignor to C. W. Dodge, Jamestown, N. Y. Tobacco-user's appliance. 2,098,983; Nov. 16.

Ullstrand, Hugo M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y., Refrigeration. 2,099,041; Nov. 16.

Underwood Elliott Fisher Company. (See Kurowski, Alfred G. F., assignor.)

Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)

Underwood Elliott Fisher Company. (See Stickney, Burnham C., assignor.)

"Unichem" Chemikalien Handels A.-G. (See Helft, Ernst, assignor.)

Union Oil Company of California. (See Barnes, C. D., and Flaxman, assignors.)

Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)

United-Carr Fastener Corporation. (See McFadden, Wilford C., assignor.)

United-Carr Fastener Corporation. (See Upham, Preston, assignor.)

United Pressed Products Co. (See Howell, Hugh A., assignor.)

United Shoe Machinery Corporation. (See Houghton, Donald M., assignor.)

United Shoe Machinery Corporation. (See James, C. H., and Bacon, assignors.)

United Shoe Machinery Corporation. (See Schwarz, B. E., and Dean, assignors.)
United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
United States Gypsum Company. (See Griffith, Arthur C., assignor.)
United States Hoffman Machinery Corporation. (See Strowbridge, William, assignor.)
United States Rubber Products, Inc. (See Eger, Ernst, assignor.)
United States Rubber Products, Inc. (See Polleys, Herbert R., assignor.)
Universal Oil Products Company. (See van Heeden, Arthur P., assignor.)
Universal Stamping & Mfg. Co. (See Shapiro, Abraham, assignor.)
University Patents, Inc. (See Rosebury, Fred, assignor.)
Upham, Preston, Brookline, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Handbag structure. 2,099,663; Nov. 16.
Upson, Maxwell M., Englewood, and E. A. Smith, Chatham, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y. Concrete pile manufacture. 2,099,285; Nov. 16.
Usbeck, Christian, Steinbach-Hallenberg, Germany. Paste cutting roller. 2,099,286; Nov. 16.
Utz, Anthony, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,099,504; Nov. 16.
Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Brazing flux. 2,099,582; Nov. 16.
Vallone, Joseph M., assignor to Barcalo Manufacturing Company, Buffalo, N. Y. Frame for gliders and the like. 2,099,457; Nov. 16.
Vance, Alva J., Beverly Hills, Calif. Apparatus for effecting separation of the parts of dentures. 2,099,087; Nov. 16.
Van Dyke, Russell H. (See Kenyon, W. O., and Van Dyke.)
Van Heeden, Arthur P., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Apparatus for producing gas. 2,099,150; Nov. 16.
Varley, Edith A., executrix. (See Varley, Richard.)
Varley, Richard, deceased, New York, N. Y.; E. A. Varley, executrix. Alarm clock device. 2,099,547; Nov. 16.
Vayda, Louis L., Aspinwall, and R. H. Rossomme, Wilkinsburg, Pa., assignors to Bacharach Industrial Instrument Company. Apparatus for testing gases. 2,099,548; Nov. 16.
Vendo Sales Company. (See De Mayo, Frank, Jr., assignor.)
Vereinigte Deutsche Metallwerke Aktiengesellschaft. (See Metzger, Otto, assignor.)
Vincent, Sidney C., and F. C. Volkman, Baltimore, Md. Flasher motor unit. 2,099,583; Nov. 16.
Vogt, Adolf, Tschechnitz, near Breslau, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Production of magnesium from magnesium oxides. 2,099,151; Nov. 16.
Vogt, Henry, Machine Co. Inc. (See Mahoney, John C., assignor.)
Voight, George F., Oakland, Calif. Composite lath. 2,099,584; Nov. 16.
Volkman, Frederick C. (See Vincent, S. C., and Volkman.)
Von Daeniken, Karl, Lucerne, Switzerland. Reinforcing insert for lapes on coats. 2,099,356; Nov. 16.
Von Hoorn, Fred G., Bridgeport, Conn., assignor to General Electric Company. Circuit breaker. 2,099,585; Nov. 16.
Vossen, Dieter. (See Krzikalla, H., Dehnert, and Vossen.)
Vulcan Proofing Company. (See Lewis, Robert R., assignor.)
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie G. m. b. H. (See Vogt, Adolf, assignor.)
Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind. Method and apparatus for feeding molten glass. 2,099,088; Nov. 16.
Wait, William B. (See Bond, Alexander R., assignor.)
Wait, William B. (See Porskievics, Anthony J., assignor.)
Walder, Emil, assignor to Porcelier Manufacturing Company, Greensburg, Pa. Waffle iron. 2,099,152; Nov. 16.
Wales, Allen, Adding Machine Corporation. (See Fried, Jerome A., assignor.)
Walker, Eric E. (See Hill, R., and Walker.)
Walker, William K. (See Timmis, W. W., and Walker.)
Walker, William L., Tulsa, Okla. Gaugers' tape reel. 2,099,153; Nov. 16.
Wallace, Henry A. (See Heilbach, Rudolph, assignor.)
Wallace, William, assignor of one-half to Brown Brothers & Company Limited, Edinburgh, and one-half to William Denny & Brothers, Limited, Dumbarton, Scotland. Antirolling apparatus for ships. 2,099,380; Nov. 16.
Waltham Watch Company. (See Flagg, Frederick P., assignor.)
Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Gebhardt, Johannes, assignor.)
Waterman, L. E., Company. (See Larsen, Gabriel, assignor.)
Waters, Gilbert C., assignor to Econo Products, Inc., Rochester, N. Y. Shrinkage control of flexible printing plates and the like. 2,099,154; Nov. 16.
Watkins, Robert. (See Bucy, E. H., and Watkins.)
Watson, Edgar E., assignor to The Metalectric Corporation, Waterloo, Iowa. Ball and socket coupling. 2,099,549; Nov. 16.
Watt, Elihu D., Plainfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Apparatus for driving pile shells. 2,099,664; Nov. 16.
Waucquez, Charles. (See Gabrielson, C., and Waucquez.)
Weaver, Allan, Port Washington, N. Y., assignor to American Telephone and Telegraph Company. Relay. 2,099,089; Nov. 16.
Weaver, I. A., Engineering Company. (See Weaver, Ira A., assignor.)
Weaver, Ira A., assignor to I. A. Weaver Engineering Company, Springfield, Ill. Vehicle-lift. 2,099,636; Nov. 16.
Weaver, Morris, Fredericksburg, Pa. Seed separator. 2,099,505; Nov. 16.
Webb, William L., assignor to Standard Oil Company, Chicago, Ill. Making hydrocarbon resins. 2,099,090; Nov. 16.
Weber, Charles W., Margate City, N. J., assignor to The Texas Company, New York, N. Y. Liquid display device. 2,099,155; Nov. 16.
Wellford, Harry A. (See Leonard, J. W., Butterworth, Leonard, and Wellford, Harry A. and W. L., Jr.)
Wellford, Walker L., Jr. (See Leonard, J. W., Butterworth, Leonard, and Wellford, Harry A. and W. L., Jr.)
Wendel, Albert N., Meservey, Iowa. Tractor attachment. 2,099,637; Nov. 16.
Werntz, James H. (See Kirby, J. E., and Werntz.)
Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halide esters of polyunsaturated alcohols and preparing same. 2,099,357; Nov. 16.
Werring, Francis W., assignor to Kitson Company, Philadelphia, Pa. Temperature and pressure relief valve. 2,099,643; Nov. 16.
West, Donald W. (See Levy, L. A., and West.)
Western Electric Company. (See Brown, A. B., and Siebs, assignors.)
Western Electric Company. (See Cox, Thomas K., assignor.)
Western Electric Company. (See Hill, Walter M., assignor.)
Western Electric Company. (See Kalmbach, Lloyd R., assignor.)
Western Electric Company. (See Kivley, Ray C., assignor.)
Western Electric Company. (See Landreth, Morton L., assignor.)
Western Electric Company. (See McWhirter, E. M. S., and Flint, assignors.)
Western Union Telegraph Company, The. (See Lawton, Chester S., assignor.)
Western Union Telegraph Company, The. (See Smith, Donald H., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, George C., assignor.)
Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Lynn, Ewing K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Weyerhaeuser Timber Company. (See Hatch, Raymond S., assignor.)
Whalen, John N. (See Morgan, M., and Whalen.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Automatic frequency control for oscillation systems. 2,099,156; Nov. 16.
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lip turning machine. 2,099,042; Nov. 16.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,099,413; Nov. 16.
Whitehead, Richard H., New Haven, Conn. Clock. 2,099,414; Nov. 16.
Whitehead, William. (See Elvin, W. J., Balch, and Whitehead.)
Whitlock, Nell H., Indianapolis, Ind. Pie making and automatic baking machine combined. 2,099,247; Nov. 16.
Wickersham, Harry P. (See Burns, E., and Wickersham.)
Wicklein, Raymond R., Roselle, N. J. Crucible. 2,099,043; Nov. 16.
Widman, Charles H., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle door. 2,099,248; Nov. 16.

Wigan, Edmund R., assignor to Siemens Brothers & Company Limited, London, England. Telephone instrument circuit. 2,099,381; Nov. 16.
Wiggenhorn, Guido J., South Pasadena, Calif. Water cooler. 2,099,157; Nov. 16.
Wiley, Joe, Fresco, Calif. Molding machine. 2,099,638; Nov. 16.
Williams, Charles H. (See Hill, H. S., and Williams.)
Williams, Harold E., Carthage, Mo. Reinforced fabric and making same. 2,099,586; Nov. 16.
Wilson, Emery J., Cleveland, assignor to Thew Shovel Company, Lorain, Ohio. Propelling and steering mechanisms for trucks and the like. 2,099,044; Nov. 16.
Winchester Repeating Arms Company. (See Rowley, Arthur A., assignor.)
Winckler Engineering Laboratories Incorporated. (See Winckler, Gunnar A. F., assignor.)
Winckler, Gunnar A. F., Worcester, assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass. Illuminated buoy for marine service. 2,099,506; Nov. 16.
Windaus, Adolf, and F. Schenck, Gottingen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Dehydro-sterol compounds and manufacture thereof. 2,098,984; Nov. 16.
Windaus, Adolf, Goettingen, and F. Schenck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. 7-hydroxy-cholesterol. 2,098,985; Nov. 16.
Windaus, Adolf, Goettingen, and F. Schenck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Antirachitic vitamin. 2,099,550; Nov. 16.
Wingfoot Corporation. (See Eberhard, Boyd C., assignor.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Wingfoot Corporation. (See Teisher, A. A., and McNeil, assignors.)
Wingfoot Corporation. (See Thies, H. R., and Lyon, assignors.)
Winters, Ted S., Albany, N. Y. Maximum demand regulator. 2,098,986; Nov. 16.
Winthrop Chemical Company. (See Bockmühl, M., and Ehrhart, assignors.)
Winthrop Chemical Company. (See Windaus, A., and Schenck, assignors.)
Wired Radio, Inc. (See Levine, Irwin B., assignor.)
Wiremold Company, The. (See La Ducer, Arthur O., assignor.)
Wiswell, Ozro N., Los Angeles, Calif. Means for opening containers. 2,099,322; Nov. 16.
Wiswell, Ozro N., assignor to Swingspout Measure Company, Los Angeles, Calif. Device for opening cans. 2,099,323; Nov. 16.
Wiswell, Ozro N., assignor to Swingspout Measure Company, Los Angeles, Calif. Device for opening cans. 2,099,323; Nov. 16.
Wiswell, Ozro N., assignor to Swingspout Measure Company, Los Angeles, Calif. Device for opening cans. 2,099,324; Nov. 16.
Witchger, ugene S., Saginaw, Mich. Self-adjusting mechanism. 2,098,987; Nov. 16.
Witschi, Frederick, Yonkers, N. Y. Apparatus for waving hair. 2,099,358; Nov. 16.
Wodtke, Hans V., Plainfield, N. J., assignor to Anaconda Wire & Cable Company, New York, N. Y. Protective jacket for conductors or cables. 2,099,415; Nov. 16.
Wolfe, Walter G., Greenwood, Mass. Projection device. 2,098,988; Nov. 16.
Wood, John, Manufacturing Company. (See Woodford, Joseph C., assignor.)
Wood, Josep D., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit breaker. 2,099,639; Nov. 16.
Wood, Sydney M., Lake Bluff, Ill. Jetty. 2,099,249; Nov. 16.
Woodall-Duckham (1920) Limited. (See Middleton, C. C., and Krall, assignors.)
Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Charging-control system. 2,099,640; Nov. 16.
Woodeson, William A., and W. Midgley, assignors to W. A. Woodeson, Gateshead-on-Tyne, England. Driving rotary members. 2,099,359; Nov. 16.
Woodford, Joseph C., Haverford, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,099,644; Nov. 16.
Woodford, Joseph C., Haverford, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Register transfer mechanism. 2,099,645; Nov. 16.
Woodruff, Alfred H. (See Taylor, W. L., and Woodruff.)
Woods, Clayton W., Burbank, Calif. Softening water. 2,099,287; Nov. 16.
Worland, Wilfrid V. (See Pessagno, E. A., Schreier, Patterson, and Worland.)
Wright, E. T., & Company. (See Donovan, Alfred W. and A. F., assignors.)
Wright, Jack, assignor of one-half to A. M. McDarment, Cleveland, Ohio. Necktie rack. 2,099,507; Nov. 16.
X-Ray Shoe Fitter, Inc. (See Adrian, Matthew B., assignor.)
Yoder, Carl M., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Apparatus for and making hollow bodies. 2,098,989; Nov. 16.
Yoder Company, The. (See Yoder, Carl M., assignor.)
Yonemura, Sadao, Koishikawa-ku, Tokyo, T. Okazawa, Shibuya-ku, Tokyo, and K. Osada, Sakai, Edogawa-ku, Tokyo, assignors to Nihon Denki Kogyo Kabushiki Kaisha, Tokyo, Japan. Producing pure alumina and crude potassium sulphate from alunite. 2,099,360; Nov. 16.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,099,508; Nov. 16.
Yundt, Michael, Company. (See Perkins, Frank P., assignor.)
Zahn, Rudolf. (See Kögel, G., and Zahn.)
Zellhoefer, Glenn F., Bloomington, Ill. Refrigerating apparatus. 2,099,382; Nov. 16.
Zellmann, Rudolf, and R. Müller, Radebeul, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany. Manufacture of reactive thorium oxide and its transformation into thorium salts. 2,099,325; Nov. 16.
Zick, Frank E., assignor of one-half to C. R. Emery, Dearborn, Mich. Window mechanism. 2,099,184; Nov. 16.
Zickrick, Lyall, Schenectady, N. Y., assignor to General Electric Company. Electrical switch contacts. 2,099,551; Nov. 16.
Zier, Paul. (See Muck, O., Muller, and Zier.)
Zotos, Georg, Berlin, Germany. Charging high-speed rotary furnaces. 2,099,045; Nov. 16.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation. Magnetic analysis. 2,098,991; Nov. 16.
Zwilgmeyer, Frithjof. (See Dahlen, M. A., and Zwilgmeyer.)
Zwilgmeyer, Frithjof, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Printing and dyeing compositions and processes. 2,099,091; Nov. 16.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Earthenware bodies. I. E. Sproat. 20,555; Nov. 16.
Fuel burning system, Hydrocarbon. F. V. Risinger. 20,557; Nov. 16.
Hoist, Traveling. W. H. Ringe. 20,554; Nov. 16.
Light, Warning. E. E. Highhill. 20,552; Nov. 16.
Massecuite, Treating. G. E. Stevens. 20,556; Nov. 16.
Plate for wheels, Ornamental. G. A. Lyon. 20,553; Nov. 16.
Refrigerating apparatus. R. R. Candor. 20,558; Nov. 16.

LIST OF DESIGN INVENTIONS

Bag or the like, Fountain. F. Dabroski. 107,043; Nov. 16.
Base for electric fans or the like. R. E. Kruck. 106,983–5; Nov. 16.
Blind tilting device, Venetian. E. Anderson. 106,956; Nov. 16.
Block, Hollow glass building. M. K. Holmes. 106,977; Nov. 16.
Block, Hollow glass building. D. Jones. 106,980; Nov. 16.
Bottle. W. R. Kohl. 106,982; Nov. 16.
Bottle. F. W. Lohse. 107,024; Nov. 16.
Bottle and stopper, Combined. E. M. Stone. 107,035; Nov. 16.
Bottle, Glass. J. T. Hamilton. 106,972; Nov. 16.
Bottle, Glass. L. J. Klhn. 107,017; Nov. 16.
Boutonniere, Artificial. H. Haimes. 107,015; Nov. 16.
Bowl or similar article of hollow ware. G. T. Gilby. 106,971; Nov. 16.
Box or similar article. W. J. De Witt. 106,968; Nov. 16.
Brooch. H. Weiner. 107,037; Nov. 16.
Building, Service station. B. M. Solomon. 106,993; Nov. 16.
Bumper, Vertical. W. E. Porter. 107,046; Nov. 16.
Button. J. S. Lichter. 107,023; Nov. 16.
Cabinet, Electric fence controller. D. A. Kelly. 106,981; Nov. 16.
Camera, Motion picture. J. Mihalyi. 107,028; Nov. 16.
Carton or similar article. G. Wilmet. 107,000; Nov. 16.
Case, Clock. J. M. Bars. 107,004; Nov. 16.
Case, Clock. F. W. Green. 107,039; Nov. 16.
Casing, Air conditioning machine. G. Paschal. 106,987; Nov. 16.
Casing or similar article, Dispenser. G. F. Ingwersen. 106,979; Nov. 16.
Chair. I. Salomon. 106,989–90; Nov. 16.
Coat. B. Lefrak. 107,021; Nov. 16.
Coat. N. Prigozen. 107,031; Nov. 16.
Container for jewelry or similar articles, Display. J. B. Guttman. 107,014; Nov. 16.
Cushion, Pneumatic. F. G. Manson. 106,986; Nov. 16.
Desk. P. M. Fuller. 106,970; Nov. 16.
Dress. I. Aaronson. 107,060; Nov. 16.
Dress. P. Fracchia. 107,049–50; Nov. 16.
Dress. B. Fried. 107,011–12; Nov. 16.
Dress. H. Goldman. 107,051–3; Nov. 16.
Dress. E. N. Perper. 107,055; Nov. 16.
Dress. D. W. Price. 107,056; Nov. 16.
Dress. P. Schlessel. 107,057; Nov. 16.
Dress ensemble. P. Wenett. 107,061; Nov. 16.
Fabric, Knitted. J. Minoff. 107,029; Nov. 16.
Fabric, Textile. B. Adler. 107,047; Nov. 16.
Fabric, Textile. S. Messer. 107,026–7; Nov. 16.
Fabric, Textile. H. W. Wilde. 107,059; Nov. 16.
Game board. M. A. Bell. 106,958; Nov. 16.
Game board and apparatus or similar article, Combination. R. W. Danon. 106,967; Nov. 16.
Goblet or similar article. A. J. Cunningham. 107,040–2; Nov. 16.
Goblet or similar article. E. W. Newton. 107,030; Nov. 16.
Guard, Window shade. R. F. Willis. 106,999; Nov. 16.
Handbag. A. H. Love. 107,045; Nov. 16.
Heater, Circulating gas. W. T. Bradbury. 106,965; Nov. 16.
Holder, Flower. L. P. Weil. 107,036; Nov. 16.
Holder, Mass card. A. Van Hoe. 106,998; Nov. 16.
Housing for flashlights, Switch. O. T. Wood. 107,001–3; Nov. 16.
Ice crusher. T. J. Fegley and G. O. Leopold. 107,010; Nov. 16.
Lace. P. Groebli. 107,013; Nov. 16.
Lamp and bracket, Combined range. L. R. Schroeder. 106,992; Nov. 16.
Lamp or similar article, Desk. L. L. Stewart. 106,994–6; Nov. 16.
Medallion. P. H. Raap. 107,032; Nov. 16.
Mounting or similar article of jewelry, Ring. P. E. Hanson. 107,016; Nov. 16.
Necklace or analogous article. A. S. Bowen and T. Bailey. 106,963–4; Nov. 16.
Negligee. E. E. Stricker. 107,058; Nov. 16.
Novelty for a toilet door, Indicating. D. P. Iddings. 106,978; Nov. 16.
Paper or similar article, Wrapping. T. L. Carter. 107,006; Nov. 16.
Percolator, Coffee. S. H. Geffner. 107,044; Nov. 16.
Plaque. H. Helzmann. 106,974; Nov. 16.
Plate or similar article. A. Crane. 106,966; Nov. 16.
Pliers. M. C. Dellinger. 107,008; Nov. 16.
Power unit, Portable. J. W. Fitz Gerald. 106,969; Nov. 16.
Projector. M. Levey. 107,022; Nov. 16.
Rack, Can. E. D. Thomson. 106,997; Nov. 16.
Ring. R. J. Blooston and T. K. Kelly, Jr. 106,959; Nov. 16.
Rug. R. F. Bemporad. 107,005; Nov. 16.
Sachet. I. Perlmutter. 106,988; Nov. 16.
Screw driver, Pistol-grip. J. M. Cashmore. 107,007; Nov. 16.
Settee. I. Salomon. 106,991; Nov. 16.
Shoe. T. Dronoff. 107,009; Nov. 16.
Shoe. E. W. McCain. 107,025; Nov. 16.
Shoe. M. Rosenston. 107,033; Nov. 16.
Soap and support therefor, Combined cake of. L. De F. Hokerk. 106,976; Nov. 16.
Spoon or other article of flatware. A. G. Kintz. 107,018; Nov. 16.
Spoon or other article of flatware. E. P. Zawisza. 107,038; Nov. 16.
Stand and ashtray, Combination pencil. H. Heizmann. 106,975; Nov. 16.
Support, retainer, and stop attachment for Venetian blinds, Combination bearing. E. Anderson. 106,955; Nov. 16.
Sweater. H. Boepple. 106,960–2; Nov. 16.
Table. A. H. Bechtol. 106,957; Nov. 16.
Tank body for vehicles. A. A. Kramer, J. M. Kramer, and W. M. Gadberry. 107,054; Nov. 16.
Tank vehicle body, Trailer. J. M. Kramer and H. A. Mullin. 107,019; Nov. 16.
Tie, Coat. M. Rosow. 107,034; Nov. 16.
Tool unit, Power driven hand. C. Desoutter. 107,048; Nov. 16.
Tower and cabinet for automobile service stations or similar articles, Combined hose. W. A. Kropp. 107,020; Nov. 16.
Tumbler. M. O. Hansen. 106,973; Nov. 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid and sparingly soluble chromates, Preparation of chromic. R. E. Pearson and W. V. Gilbert. 2,099,658; Nov. 16.
Acid manufacture, Nitric. A. Christensen. 2,098,953; Nov. 16.
Acids, Recovery of sulphonic. R. C. Moren and W. A. Meyer. 2,099,529; Nov. 16.
Adjustable seat. A. M. Fleming. 2,099,107; Nov. 16.
Advertising blotting device. E. F. O'Neill. 2,099,135; Nov. 16.
Aeration in biochemical processes, Carrying out. R. Hellbach. 2,098,962; Nov. 16.
Agricultural implement. P. Penn. 2,099,032; Nov. 16.
Air cooling unit for automotive vehicles. R. F. Peo. 2,099,227; Nov. 16.
Aircraft, Crash cause recorder for. S. G. Allen. 2,099,587; Nov. 16.
Aircraft lamp. M. C. Harley. 2,099,362; Nov. 16.
Alcohols, Purification of synthetically produced. J. Giesen, H. Hanisch, and M. Daily. 2,099,475; Nov. 16.
Alloy, Steel. E. F. Blessing. 2,099,509; Nov. 16.
Altimeter. V. E. Carbonara. 2,099,466–7; Nov. 16.
Alumina and crude potassium sulphate from alunite, Producing pure. S. Yonemura, T. Okazawa, and K. Osada. 2,099,360; Nov. 16.
Ammonium sulphate, Production of coarsely crystalline. C. Rumscheidt and A. Strzyzewski. 2,099,079; Nov. 16.
Antenna, Aperiodic. P. S. Carter. 2,099,296; Nov. 16.
Apparel, Wearing. A. Simpson. 2,099,238; Nov. 16.
Arch support pad. M. S. Silver. 2,099,577; Nov. 16.
Articles, Flexible. G. B. Bradshaw. 2,099,047; Nov. 16.
Articles, Method of coating. T. K. Cox. 2,099,103; Nov. 16.
Ashtray. G. Toniolo. 2,099,635; Nov. 16.
Asphalt oxidation. C. P. McNeil and S. A. Montgomery. 2,099,448; Nov. 16.
Automobile jack. C. W. Johnson and G. M. Smith. 2,099,487; Nov. 16.
Azo-dyestuffs. M. Lange. 2,098,967; Nov. 16.
Azodyestuffs and fiber dyed therewith, Water-insoluble. H. Morschel and F. Gund. 2,099,272; Nov. 16.
Bag construction. L. Goodman. 2,099,425; Nov. 16.
Ball and socket coupling. E. E. Watson. 2,099,549; Nov. 16.
Band for advertising and the like devices, Moving. G. S. Shaw. 2,099,281; Nov. 16.
Bandage and support, Abdominal. R. W. Spain. 2,099,541; Nov. 16.
Bar clean-out, Drop. G. C. Paxton. 2,099,221; Nov. 16.
Barrel. T. C. Hollnagel. 2,099,113; Nov. 16.
Barrel stave crozer. J. W. Leonard, W. R. Butterworth, Jr., C. Leonard, H. A. Wellford, and W. L. Wellford, Jr. 2,099,445; Nov. 16.
Bat, Baseball. H. W. Herkimer and H. E. Holcomb. 2,099,521; Nov. 16.
Bearing: *See*—
Strip bearing.
Bearing. T. L. Robinson. 2,099,660; Nov. 16.
Bedding pad. C. D. Karr. 2,099,427; Nov. 16.
Beer trap adapter. J. McAdams. 2,099,528; Nov. 16.
Belt. A. A. Teisher and G. I. McNeil. 2,099,545; Nov. 16.
Bicycle lock. R. P. Holsen. 2,099,606; Nov. 16.
Billfold. L. A. Mueller. 2,099,569; Nov. 16.
Binder. G. S. Emery. 2,099,472; Nov. 16.
Bituminous emulsion. P. R. Smith. 2,099,351–3; Nov. 16.
Blank feeding means. H. Rosenberg. 2,099,232; Nov. 16.
Blanket. T. B. Keen and T. F. Gibboney. 2,099,609; Nov. 16.
Block: *See*—
Building block.
Boat. A. E. Luders. 2,099,492; Nov. 16.
Boat and constructing the same. M. L. Gilbert. 2,099,438; Nov. 16.
Boat propelling device. B. Strezoff. 2,099,544; Nov. 16.
Boiler pressure control apparatus. J. B. Snyder. 2,099,239; Nov. 16.
Bodies including boots and shoes, Uniting curved. W. Stelkens. 2,099,320; Nov. 16.
Bolster supporting unit. D. F. Sproul. 2,099,240; Nov. 16.
Book, Pass. H. H. Hill. 2,099,482; Nov. 16.
Bottle assembly. A. H. Payson. 2,099,174; Nov. 16.
Bottle, Flexible. E. T. Ferngren. 2,099,065; Nov. 16.
Bottle vending machine. F. De Mayo, Jr. 2,099,557; Nov. 16.
Box: *See*—
Tackle box.
Box for service pipe shut-offs in water systems, Curb. J. Heinkel and W. J. Hebenstreit. 2,099,479; Nov. 16.
Bracket and installation thereof, Mounting. W. C. MacFadden. 2,099,655; Nov. 16.
Bracket for electrical wires. W. J. Binkley. 2,099,098; Nov. 16.
Brake: *See*—
Fluid pressure brake.
Brake control system, Air. D. F. Searle. 2,099,453; Nov. 16.
Brake lever construction. R. A. Sandberg. 2,099,233; Nov. 16.
Brake rigging. T. C. Crossman. 2,099,421; Nov. 16.
Brake system, Trailer. A. L. Farmer. 2,099,263; Nov. 16.
Brake system, Train. J. W. Logan, Jr. 2,099,428; Nov. 16.
Brake tester, Automobile. J. L. Shroyer. 2,098,979; Nov. 16.
Brush rigging, Shiftable. R. F. Bean. 2,099,554; Nov. 16.
Buckle and belt-connecter, Combined center-bar. S. H. Cohn and S. Levin. 2,099,387; Nov. 16.
Buckle, One-piece. J. A. and W. A. Devendor. 2,099,199; Nov. 16.
Building block. A. N. Turnquist. 2,099,149; Nov. 16.
Building construction. R. L. Hohl. 2,099,337; Nov. 16.
Building construction. E. A. Pesagno, E. P. Schreier, M. A. Patterson, and W. V. Worland. 2,099,077; Nov. 16.
Building construction and panel for use therein. W. I. Lucius. 2,099,211; Nov. 16.
Bumper, Automobile. J. Calabro. 2,099,049; Nov. 16.
Buoy for marine service, Illuminated. G. A. F. Winckler. 2,099,506; Nov. 16.
Burner: *See*—
Gas burner.
Lateral draft burner.
Liquid fuel burner.
Bushing, High voltage liquid-filled. S. Terpak. 2,099,666; Nov. 16.
Cabinet, Filing. F. W. Tobey. 2,099,148; Nov. 16.
Cable, Electric. R. C. Mildner. 2,099,407; Nov. 16.
Cable system, Electric. C. E. Bennett. 2,099,291; Nov. 16.
Cables, Apparatus for stripping electric. C. P. Seckham. 2,099,084; Nov. 16.
Cables, Method of and apparatus for laying submarine. C. S. Lawton. 2,099,527; Nov. 16.
Calculating machine. J. Gebhardt. 2,099,060; Nov. 16.
Call transmitter device. J. G. Roberts and C. D. Richard. 2,099,143; Nov. 16.
Camber flaps and the like for airplanes, Device for the automatic control of. R. L. Levy. 2,099,368; Nov. 16.
Cameras, Repeating back for. H. A. McCordock. 2,099,072; Nov. 16.
Cans, Device for opening. O. N. Wiswell. 2,099,323–4; Nov. 16.
Car and trailer combination apparatus, Railroad. E. H. Allen. 2,099,288; Nov. 16.
Carburetor. E. G. Atkins. 2,099,553; Nov. 16.
Carburetor spring. W. M. Ewart. 2,099,106; Nov. 16.
Card shuffling and dealing device. R. Atti. 2,099,187; Nov. 16.
Carrier for photographic strip film, Roll. L. Busch. 2,099,646; Nov. 16.
Carrier scraper, Combined. R. M. Davenport. 2,099,435; Nov. 16.
Carrier wave modulation and suppression. W. Buschbeck. 2,099,294; Nov. 16.
Carton construction. H. A. and W. H. Inman. 2,099,166; Nov. 16.
Casein, Manufacturing. J. R. Spellacy. 2,099,379; Nov. 16.
Casing: *See*—
Light casing.
Ceiling installation and fastener for the same. C. L. Hall. 2,099,649; Nov. 16.
Cellulosic article of manufacture and preparing same. D. E. Strain. 2,099,455; Nov. 16.
Cellulose esters from scrap, Recovery of. M. J. Reid. 2,099,347; Nov. 16.
Cellulosic product and preparing same. W. W. Heckert. 2,099,441; Nov. 16.
Cements, Aluminous. E. W. Scripture. 2,099,176; Nov. 16.
Centering device for swivel trucks. W. S. H. Hamilton and F. W. Butt. 2,099,361; Nov. 16.
Ceramic products, Compounding. J. G. A. Lefranc. 2,099,367; Nov. 16.

Chain gearing for bicycles and the like, Change speed. J. M. Gruyer. 2,099,477; Nov. 16.
Chair: *See*—
Folding chair.
Charging-control system. J. L. Woodbridge. 2,099,640; Nov. 16.
Chaser grinding means. C. S. Mueller. 2,099,074; Nov. 16.
Check and check controlled mechanism. W. K. Schauweker. 2,099,234; Nov. 16.
Chemical compound and use therefor. W. Brun. 2,099,293; Nov. 16.
Chronometer, Glove. G. W. Hazlett. 2,099,518; Nov. 16.
Circuit breaker. F. G. von Hoorn. 2,099,585; Nov. 16.
Circuit breaker. J. D. Wood. 2,099,639; Nov. 16.
Circuit breaker, Automatic. M. K. Hindle. 2,099,483; Nov. 16.
Circuit for reducing static. M. G. Nicholson, Jr. 2,099,311; Nov. 16.
Circuit, Telephone instrument. E. R. Wigan. 2,099,381; Nov. 16.
Circuit, Vacuum tube. H. S. Black. 2,098,950; Nov. 16.
Clamp: *See*—
Conductor clamp. Pull rod clamp.
Clamp. L. R. Kalmbach. 2,099,116; Nov. 16.
Cleaner: *See*—
Suction cleaner. Vacuum cleaner.
Cleaning device for strainers. H. C. Stockdale. 2,099,502; Nov. 16.
Clean-out. H. Paxton. 2,099,225–6; Nov. 16.
Clip: *See*—
Display clip. Pipe clip.
Clock. H. C. James, Jr. 2,098,965; Nov. 16.
Clock. R. H. Whitehead. 2,099,414; Nov. 16.
Clock device, Alarm. R. Varley. 2,099,547; Nov. 16.
Closure and pouring device. E. G. Schaetzel. 2,099,629; Nov. 16.
Clothes pin. D. C. Smith. 2,099,177; Nov. 16.
Clutch control device, Pneumatic. G. C. Farmer. 2,099,422; Nov. 16.
Clutch facings, brake linings, and like products, Making. S. P. Miller. 2,099,132; Nov. 16.
Coating composition. G. D. Fortman. 2,099,423; Nov. 16.
Coating composition. R. L. Sibley. 2,099,237; Nov. 16.
Coating composition and preparing same. R. L. Sibley. 2,099,236; Nov. 16.
Coatings. J. D. Murray. 2,099,570; Nov. 16.
Cock and thermostatic control means, Combination gas. B. L. Matthews and J. T. Marvin. 2,099,171; Nov. 16.
Coffee extract, Manufacture of concentrated. D. Fronmuller. 2,098,961; Nov. 16.
Coil, Evaporator. R. H. Anderegg. 2,099,186; Nov. 16.
Coin collector apparatus for use at telephone pay stations. M. L. Landreth. 2,099,124; Nov. 16.
Collapsible container. H. Jezler. 2,099,523; Nov. 16.
Collar and the like. C. F. Hendrycy. 2,099,520; Nov. 16.
Colloid layers and tanned pictures therefrom, Light sensitive. G. Kögel and R. Zahn. 2,099,404; Nov. 16.
Communication system. H. E. Ives. 2,099,115; Nov. 16.
Compartment, Insulator. C. W. J. Hedberg. 2,099,063; Nov. 16.
Compensating spring. F. P. Flagg. 2,099,474; Nov. 16.
Compounds, Halogenation of unsaturated. J. D. Ruys and J. W. Edwards. 2,099,231; Nov. 16.
Concrete pile manufacture. M. M. Upson and E. A. Smith. 2,099,285; Nov. 16.
Condensation product of phenolphthalein. E. H. Bucy and R. Watkins. 2,099,510; Nov. 16.
Conductor clamp. W. H. Burleson. 2,099,465; Nov. 16.
Connecter: *See*—
Buckle and belt-connecter. Timber connecter.
Electrical connecter.
Connecter. F. C. Lavarack. 2,099,526; Nov. 16.
Container: *See* –
Collapsible container. Roll top container.
Dispensing container. Wire container.
Container. R. M. Bergstein. 2,099,257; Nov. 16.
Container closure and cap. E. T. Ferngren. 2,099,056;
Container construction. H. C. Aument. 2,099,095; Nov. 16.
Container construction, Two part. E. T. Ferngren. 2,099,057; Nov. 16.
Containers, Means for opening. O. N. Wiswell. 2,099,322; Nov. 16.
Containers, Sealing. W. H. Belder and T. M. Cunningham. 2,099,097; Nov. 16.
Control for refrigeration systems, Superheat. J. L. Shrode. 2,099,035; Nov. 16.
Control system. C. Schiebeler. 2,099,576; Nov. 16.
Conveyer. F. Cartlidge. 2,099,512; Nov. 16.
Conveyer. F. P. Perkins. 2,098,971; Nov. 16.
Cooler: *See*—
Water cooler.
Cot, Convertible metallic. J. H. Prescott. 2,099,621; Nov. 16.
Coupling: *See*—
Ball and socket coupling. Hose coupling.
Coupling mechanism. E. A. Larsson. 2,099,490; Nov. 16.
Cover: *See*—
Insulated cover. Spring cover.
Slip-on cover.
Cover structure, Display. C. W. Boston. 2,099,046; Nov. 16.
Covering for surfaces exposed to the weather. W. H. Outman. 2,099,572; Nov. 16.
Covering for surfaces exposed to the weather, Making a. W. H. Outman. 2,099,571; Nov. 16.
Cowl for air-cooled aircraft engines. A. H. R. Fedden and J. W. Copley. 2,098,947; Nov. 16.
Creel for artificial yarns. W. J. Elvin, R. H. Balch, and W. Whitehead. 2,099,008; Nov. 16.
Crucible. R. R. Wicklein. 2,099,043; Nov. 16.
Culotte. W. Gurian. 2,099,478; Nov. 16.
Cushion, Spring. J. A. Findora. 2,099,200; Nov. 16.
Cushion tufting structure. C. L. Hall. 2,099,650; Nov. 16.
Cutting-off mechanism for bag making machines and the like. A. Potdevin. 2,099,314; Nov. 16.
Dehumidifier. R. T. Smith. 2,099,665; Nov. 16.
Dehydrator, Electric. T. N. St. Hill. 2,098,982; Nov. 16.
Dehydro-sterol compounds and manufacture thereof. A. Windaus and F. Schenck. 2,098,984; Nov. 16.
Dentures, Apparatus for effecting separation of the parts of. A. J. Vance. 2,099,087; Nov. 16.
Developing apparatus. F. Busse. 2,099,159; Nov. 16.
Diesel engine. R. E. Olds. 2,099,371; Nov. 16.
Direction signal. B. A. Crenshaw. 2,099,331; Nov. 16.
Dispenser: *See*—
Liquid dispenser.
Dispensing container. C. Seidler. 2,099,412; Nov. 16.
Dispensing device, Dripless. M. J. Brown. 2,099,292; Nov. 16.
Display. C. C. Cloud. 2,099,420; Nov. 16.
Display, Animated. D. L. Peterson. 2,099,277; Nov. 16.
Display clip, Neckwear. R. K. Hoffman. 2,099,269; Nov. 16.
Display device and drive therefor. C. Roberts. 2,099,142; Nov. 16.
Display device, Cardboard. J. V. Horr. 2,099,015; Nov. 16.
Distributing means for concrete pavers. A. E. Lundbye. 2,099,071; Nov. 16.
Distributor device. W. H. T. Holden. 2,099,065; Nov. 16.
Door latch. H. P. Sweet. 2,099,456; Nov. 16.
Door lock. R. B. McFarlane. 2,099,343; Nov. 16.
Door, Sliding. H. C. Blodgett. 2,099,191; Nov. 16.
Door, Vehicle. C. H. Widman. 2,099,248; Nov. 16.
Doors, Operating device for use in connection with coke-oven. C. C. Middleton and R. F. Krall. 2,099,271; Nov. 16.
Drafting apparatus. G. E. Repass. 2,098,974; Nov. 16.
Drafting machine. R. H. Garner. 2,099,266; Nov. 16.
Drier: *See*—
Seed cotton cleaner-drier.
Driving mechanism to maintain constant the required length of an endless driving means. F. A. Nicholson and W. T. Pritchard. 2,099,218; Nov. 16.
Dry cells, Making. O. Metzger. 2,099,449; Nov. 16.
Drying, Method and apparatus for. W. H. Charch. 2,099,160; Nov. 16.
Drying, Process and apparatus for. W. C. Eberlin. 2,099,162; Nov. 16.
Dyestuffs, Azo. M. A. Kunz, H. Krzikalla, and W. Limbacher. 2,099,168; Nov. 16.
Dyestuffs, Production of water-soluble azo. H. Krzikalla, H. Dehnert, and D. Vossen. 2,099,525; Nov. 16.
Dynamo-electric machine. M. A. Savage. 2,099,575; Nov. 16.
Dynamometer. J. C. Slonneger. 2,099,662; Nov. 16.
Easel construction. F. O. Brant. 2,099,192; Nov. 16.
Egg handling tool. N. J. Annema. 2,099,588; Nov. 16.
Egg separator. T. J. O'Connell. 2,099,276; Nov. 16.
Electric arc lamp. W. C. Mitchell. 2,099,073; Nov. 16.
Electric switch. C. P. Pepper. 2,099,573; Nov. 16.
Electrical appliance and base. W. H. Fischer. 2,099,437; Nov. 16.
Electrical connecter. G. B. Benander. 2,099,555; Nov. 16.
Electrical device. A. Lampl. 2,099,305; Nov. 16.
Electrical generating and control system. S. Cerstvik. 2,099,468; Nov. 16.
Electrical measuring system. W. G. Crocker. 2,099,002; Nov. 16.
Electrical safety system. I. E. Butler. 2,099,195; Nov. 16.
Electrical testing machine. H. E. Fracker. 2,099,298; Nov. 16.
Electrolytic device. C. de Lange. 2,099,599; Nov. 16.
Electron discharge device. G. Passarge. 2,099,531; Nov. 16.
Enameling, Process of. K. Kautz. 2,099,340; Nov. 16.
Engine: *See*—
Diesel engine. Precombustion - chamber engine.
Internal combustion engine.
Engine or pump, Reciprocating. W. A. Hildyard. 2,099,481; Nov. 16.
Envelope. A. C. Benedict. 2,099,256; Nov. 16.
Envelope. C. F. Elmore. 2,099,007; Nov. 16.
Envelope. B. J. Steele. 2,099,354; Nov. 16.
Envelope machine. A. Novick. 2,098,970; Nov. 16.
Envelope, Self-sealing. W. Hohwart. 2,099,303; Nov. 16.
Eraser. J. S. Loewus. 2,099,613; Nov. 16.
Esters and method of producing, Hydrogenated resin. I. W. Humphrey. 2,099,066; Nov. 16.
Esters of polyunsaturated alcohols and preparing same, Halide. J. H. Werntz. 2,099,357; Nov. 16.

Esters of unsaturated higher alcohols, Forming the sulphuric. W. H. McAllister. 2,099,214; Nov. 16.
Extractor: *See*—
Fruit juice extractor.
Fabric and making same, Reinforced. H. E. Williams. 2,099,586; Nov. 16.
Fabric printing machine. C. J. Elliott. 2,098,946; Nov. 16.
Fabric shearing machine. G. H. Mason, J. S. Shand, and C. N. Johnson. 2,099,027; Nov. 16.
Fabric treating machine. E. Bernstein. 2,099,461; Nov. 16.
Fan, Electric. J. E. Chapman. 2,099,196; Nov. 16.
Fastener: *See*—
Hat fastener.
Fastener for wall and ceiling boards, Blind. F. E. Starr. 2,099,632; Nov. 16.
Fastening device. P. A. Jensen. 2,099,398; Nov. 16.
Fastening device for panels or the like. A. P. Ball. 2,099,189; Nov. 16.
Feed apparatus for pipe coating machines and the like. A. G. Perkins. 2,099,346; Nov. 16.
Felt, Asbestos-faced drier. W. A. Barrell. 2,098,994; Nov. 16.
Felt, Asbestos filled drier. W. A. Barrell. 2,098,993; Nov. 16.
Fertilizer distributor. C. W. Haagen. 2,099,013; Nov. 16.
Fiberboard. J. D. Carter. 2,099,598; Nov. 16.
Filaments, threads, yarns, ribbons, and the like, Production or treatment of artificial. H. Dreyfus. 2,099,005; Nov. 16.
Filling machine. R. B. Bagby. 2,099,252; Nov. 16.
Film editing device. R. H. Draeger. 2,098,955; Nov. 16.
Film scraps, Reclaiming. M. J. Reid. 2,099,348; Nov. 16.
Film treating apparatus, Motion picture. F. B. Thompson. 2,099,245; Nov. 16.
Firearm, Upturn-and-pullback bolt-action. A. A. Rowley. 2,099,035; Nov. 16.
Fire extinguishing and alarm apparatus. E. A. Lowe and J. R. Hamilton. 2,099,069; Nov. 16.
Fireplace screen. F. D. Keithly. 2,099,068; Nov. 16.
Fishing rod holder. C. W. Ballman. 2,099,254; Nov. 16.
Floor construction. O. H. Hayes. 2,099,517; Nov. 16.
Flotation process. J. E. Kirby and J. H. Werntz. 2,099,120; Nov. 16.
Fluid current motor. O. K. Nelson. 2,099,617; Nov. 16.
Fluid dispensing apparatus. C. L. McMullen. 2,099,129; Nov. 16.
Fluid heater. J. F. Kennedy. 2,099,018; Nov. 16.
Fluid pressure brake. R. J. Bush. 2,099,384; Nov. 16.
Fluid pressure brake. J. N. Good. 2,099,392; Nov. 16.
Fluid pressure brake. E. E. Hewitt. 2,099,396–7; Nov. 16.
Fluorescent substances., L. A. Levy and D. W. West. 2,099,023; Nov. 16.
Flux, Brazing. I. R. Valentine. 2,099,582; Nov. 16.
Folding chair. O. R. Platter. 2,099,498; Nov. 16.
Folding necktie holder. L. I. Mirel. 2,099,495; Nov. 16.
Foods, Apparatus for heat treating granular. G. Thorp and E. Halse. 2,099,634; Nov. 16.
Fork, Crocheting. C. I. Denner. 2,099,600; Nov. 16.
Form and reenforcement retaining means, Concrete. S. S. Colt. 2,099,260; Nov. 16.
Form puller. J. F. Barton. 2,099,592; Nov. 16.
Forming apparatus for wool hat and other tubular felt bodies. G. J. Corporon. 2,099,330; Nov. 16.
Frame: *See*—
Picture frame.
Frame for gliders and the like. J. M. Vallone. 2,099,457; Nov. 16.
Frequency control for oscillation systems, Automatic. H. A. Wheeler. 2,099,156; Nov. 16.
Fruit brusher, Fresh. G. C. Paxton. 2,099,222; Nov. 16.
Fruit juice extractor. J. M. Majewski, Jr. 2,099,170; Nov. 16.
Fuel pump. L. O. Hedblom. 2,099,206; Nov. 16.
Fuel system, Internal combustion engine. T. M. Ball. 2,099,096; Nov. 16.
Fungicides, Cupriferous. R. Riley and W. M. Bruce. 2,099,623; Nov. 16.
Furnace: *See*—
Refuse burning furnace.
Furnace. R. S. Brown. 2,098,999; Nov. 16.
Furnaces, Charging high speed rotary. G. Zotos. 2,099,045; Nov. 16.
Furniture, Article of. P. Meyer. 2,099,450; Nov. 16.
Furniture pad. W. D. Rich. 2,098,975; Nov. 16.
Fuse, Safety. E. A. Sanders. 2,099,500; Nov. 16.
Gagers' tape reel. W. A. Walker. 2,099,153; Nov. 16.
Game, Picture crime mystery. M. B. Levoy. 2,099,611; Nov. 16.
Garment. A. Pleiter and A. H. Peterson. 2,099,620; Nov. 16.
Garment, Apparel. R. W. Bissell. 2,099,099; Nov. 16.
Garment hanger, Multiple purpose. L. P. Bruening. 2,099,596; Nov. 16.
Garment pressing machine. W. Strobridge. 2,099,181; Nov. 16.
Gas, Apparatus for producing. A. P. van Heeden. 2,099,150; Nov. 16.
Gas burner. P. S. Harper. 2,099,205; Nov. 16.
Gas burner. F. A. Nemec. 2,099,275; Nov. 16.
Gas treating apparatus. C. L. Howse, W. P. Thomas, and F. Bowers. 2,099,667; Nov. 16.
Gases, Apparatus for testing. L. L. Vayda and R. H. Rossomme. 2,099,548; Nov. 16.
Gaseous discharge device. J. R. Hefele. 2,099,111; Nov. 16.
Gauge for liquids, Surface contact. P. L. Hexter. 2,098,963; Nov. 16.
Gearing, Preselective change-speed. R. A. Railton and A. C. Sampietro. 2,099,141; Nov. 16.
Generator: *See*—
Oscillation generator.
Glass, Laminated. J. S. Tinsley. 2,099,086; Nov. 16.
Glass, Luminescent. H. Fischer. 2,099,602; Nov. 16.
Glass, Method and apparatus for feeding molten. F. L. O. Wadsworth. 2,099,088; Nov. 16.
Glucosides having an action on the heart obtained from oleander leaves, Preparing. M. Bockmühl and G. Ehrhart. 2,099,158; Nov. 16.
Goblet foot forming device, S. Hujo, Jr. 2,099,485; Nov. 16.
Goggles. D. L. Bruner and J. H. Herr. 2,099,464; Nov. 16.
Gold leaf substitute. S. Bach and K. Kurz. 2,099,641; Nov. 16.
Governor, Compressor. B. S. Aikman. 2,099,416; Nov. 16.
Governor for electric motors. J. A. Fried. 2,099,560; Nov. 16.
Governor, Motor. R. Barbour. 2,098,939; Nov. 16.
Granular material washer. A. L. Munro and H. H. Rumpel. 2,099,133; Nov. 16.
Grinder, Valve. H. S. Hill and C. H. Williams. 2,099,207; Nov. 16.
Grinding machine. A. L. De Leeuw. 2,099,161; Nov. 16.
Grip, handle, or shaft of percussive or swinging implements. D. M. Shaw. 2,099,319; Nov. 16.
Guard, Bumper. G. A. Lyon. 2,099,212; Nov. 16.
Guard for machinery. E. Smith. 2,099,282; Nov. 16.
Guide for tube rolling mills. J. W. Offutt. 2,099,497; Nov. 16.
Guide, Pocket room. W. J. Ceder. 2,098,944; Nov. 16.
Guide, Rolling mill. S. Findlater. 2,099,473; Nov. 16.
Hair, Apparatus for waving. F. Witschl. 2,099,358; Nov. 16.
Hair waving heater. E. O. Frederics. 2,099,424; Nov. 16.
Handbag structure. P. Upham. 2,099,663; Nov. 16.
Handle: *See*—
Switch handle.
Hanger: *See*—
Garment hanger.
Hanger. H. C. Blake and S. Blake. 2,098,996; Nov. 16.
Hanger mounting for pictures and the like, Reversible. C. Di Nuccio. 2,099,332; Nov. 16.
Harvester attachment. A. D. Edgington. 2,099,471; Nov. 16.
Hat fastener. S. Lipton. 2,099,128; Nov. 16.
Hay loader, Tractor operated. R. Gunning. 2,099,664; Nov. 16.
Head lamp, Portable electric. W. F. Koepke. 2,099,167; Nov. 16.
Heat exchange system. F. D. Mensing. 2,099,310; Nov. 16.
Heat exchange system. W. W. Timmis and W. K. Walker. 2,099,182; Nov. 16.
Heat-processing recorder. F. J. Bast. 2,099,417; Nov. 16.
Heater: *See*—
Fluid heater. Hair waving heater.
Heating apparatus. W. Anderson. 2,099,383; Nov. 16.
Holder: *See*—
Fishing rod holder. Paper holder.
Folding necktie holder. Soap and brush holder.
Lipstick holder.
Holder and sterilizer, Combined toothbrush. F. E. Hart. 2,099,336; Nov. 16.
Hollow bodies, Apparatus for and process of making. C. M. Yoder. 2,098,989; Nov. 16.
Hose coupling. F. E. Hansen. 2,099,335; Nov. 16.
Humidifying system and apparatus. W. H. Finley and C. H. Hamilton. 2,099,009; Nov. 16.
Hydrocarbons, Converting. F. E. Frey and W. F. Huppke. 2,098,959–60; Nov. 16.
Hydrocarbons, Cracking. E. C. Herthel. 2,099,426; Nov. 16.
Hydrocarbons, Process for desulphurizing. A. E. Buell and W. A. Schulze. 2,098,943; Nov. 16.
Hydrocarbons, Pyrolysis of. W. C. Stoesser. 2,099,350; Nov. 16.
Hydrocarbons, Treating. A. B. Culbertson, Jr. 2,099,434; Nov. 16.
Hydrouracil compounds and their production. O. Dalmer, C. Diehl, and H. Pieper. 2,098,954; Nov. 16.
Illuminated sign. T. Taaffe. 2,099,243; Nov. 16.
Implement retainer. G. H. Fuehrer. 2,099,333; Nov. 16.
Indicator: *See*—
Oil level indicator. Track gauge indicator.
Indicator for locomotive, Valve cut-off. A. R. Bond. 2,099,100; Nov. 16.
Inflatable article and producing the same. R. R. Frissell. 2,099,058; Nov. 16.
Insert for lapels on coats, Reinforcing. K. von Daeniken. 2,099,356; Nov. 16.
Insulated cover. R. L. Bangs and W. A. Hermanson. 2,099,669; Nov. 16.

Insulation, Apparatus for testing. W. M. Hill. 2,099,112; Nov. 16.
Internal combustion engine. E. Schimanek. 2,099,278; Nov. 16.
Iron, Waffle. E. Walder. 2,099,152; Nov. 16.
Jack: *See*—
Automobile jack.
Jacket for conductors or cables, Protective. H. V. Wodtke. 2,099,415; Nov. 16.
Jar, Collapsible refill. K. N. Brown. 2,099,595; Nov. 16.
Jetty. S. M. Wood. 2,099,249; Nov. 16.
Joint: *See*—
Lubricated rubber joint.
Key-lever-lock for key-lever type machines. L. E. Tapp. 2,099,147; Nov. 16.
Knife guard supporting and operating mechanism, Trimming machine. H. R. Polleys. 2,099,033; Nov. 16.
Ladle for casting fluid metal. H. Brinkmann. 2,098,937; Nov. 16.
Lamp: *See*—
Aircraft lamp. Head lamp.
Electric arc lamp.
Lamp and method, Therapeutic. P. S. Newton. 2,098,990; Nov. 16.
Latch: *See*—
Door latch
Lateral draft burner. W. J. Keller. 2,099,608; Nov. 16.
Lath, Composite. G. F. Voight. 2,099,584; Nov. 16.
Lathe attachment. R. Culp. 2,099,198; Nov. 16.
Lavatory, Dental. V. E. Schmiedeknecht. 2,099,317; Nov. 16.
Lemon washer. H. Paxton. 2,099,224; Nov. 16.
Level of supports, Device for maintaining the condition of. H. O. Hem. 2,099,562; Nov. 16.
Lever. P. C. Temple. 2,099,244; Nov. 16.
Lever, Power lift. A. S. Bloomquist. 2,099,594; Nov. 16.
Lift, Automobile. D. D. Myers. 2,099,274; Nov. 16.
Lifter: *See*—
Stack lifter.
Light casing. J. D. Langdon. 2,099,444; Nov. 16.
Lighting system. L. Schepmoes. 2,099,452; Nov. 16.
Linen wringing machine. K. Kemper. 2,099,365; Nov. 16.
Lip turning machine. J. M. Whelton. 2,099,042; Nov. 16.
Lipstick holder. N. Kasdan and R. F. Landwehr. 2,099,488; Nov. 16.
Liquid dispenser, Volumetric. W. E. Barrott. 2,099,591; Nov. 16.
Liquid dispensing apparatus. J. C. Woodford. 2,099,644; Nov. 16.
Liquid display device. C. W. Weber. 2,099,155; Nov. 16.
Liquid fuel burner. E. E. Arnold. 2,099,092; Nov. 16.
Liquid level recorder. J. C. Stevens. 2,099,180; Nov. 16.
Liquids, Refining or separating electrically conductive. K. Bender and M. Bunke. 2,099,593; Nov. 16.
Lock: *See*—
Bicycle lock. Door lock.
Lubricated rubber joint. G. H. Hufferd. 2,099,209; Nov. 16.
Lubrication of twisting spindles used in yarn and like winding machinery. W. I. Taylor and A. H. Woodruff. 2,099,039; Nov. 16.
Lyophilic biologically active substances, Sterilization of. J. Reichel. 2,099,659; Nov. 16.
Machine for making and attaching wire basket handles or the like. A. H. Schmidtke. 2,099,411; Nov. 16.
Machine for making match packets. J. R. Nolan. 2,099,137; Nov. 16.
Machine for removing tire treads. W. C. Althen. 2,099,458; Nov. 16.
Machine for simultaneously forming rings and assembling them on shafts. G. F. Robarge. 2,099,624; Nov. 16.
Machine for spreading and distributing coal to furnaces. G. W. Olney. 2,099,618; Nov. 16.
Magnesium from magnesium oxides, Production of. A. Vogt. 2,099,151; Nov. 16.
Magnetic analysis. T. Zuschlag. 2,098,991; Nov. 16.
Magnetic discharge device. C. Spaeth. 2,099,144; Nov. 16.
Magnetron. D. Prinz. 2,099,533; Nov. 16.
Marker and flower holder, Combination grave. M. Comstock and H. C. Schoepflin. 2,099,329; Nov. 16.
Marker, Illuminated street. F. B. Lockert. 2,099,446; Nov. 16.
Material handling apparatus. R. C. Kivley. 2,099,121; Nov. 16.
Materials subject to parasitic attack, Protection of. M. M. Brubaker. 2,098,942; Nov. 16.
Matrix, Dental. I. E. Sigveland. 2,099,454; Nov. 16.
Maximum demand regulator. T. S. Winters. 2,098,986; Nov. 16.
Mechanism to maintain constant the required length of an endless driving means. F. A. Nicholson and W. T. Pritchard. 2,099,219–20; Nov. 16.
Medicinal preparations containing metal compounds of decomposition products of nucleoproteins. S. L. Ruskin. 2,098,976; Nov. 16.
Memorandum pad, Wrist-type. D. W. Canfield. 2,099,295; Nov. 16.
Mercury sulphate, Apparatus for the manufacture of. R. J. Baird. 2,099,290; Nov. 16.
Metal, Rolling of thin sheet. L. Salves. 2,099,082; Nov. 16.
Metal tapping tool. H. Raines. 2,099,246; Nov. 16.
Metal testing machine. F. H. Nass and R. Campbell. 2,099,216; Nov. 16.
Metals, Apparatus for electrically marking. G. E. Printz. 2,099,622; Nov. 16.
Metals, Apparatus for preventing the oxidation of. W. H. D. Horsfall and M. B. Jackson. 2,099,208; Nov. 16.
Meter: *See*—
Water meter.
Milk testing device. J. R. Shikles. 2,099,038; Nov. 16.
Mining apparatus. D. R. Richards. 2,099,373; Nov. 16.
Mixing valve, Pressure responsive. F. L. Henning and G. W. Bezanson. 2,099,563; Nov. 16.
Molded pieces from mortar or concrete, Manufacture of. E. Freyssinet. 2,099,265; Nov. 16.
Molding machine. J. Wiley. 2,099,638; Nov. 16.
Motor: *See*—
Fluid current motor. Windshield wiper motor.
Motor or pump. C. F. Brightwell. 2,099,193; Nov. 16.
Motor starting device. P. Cibié. 2,099,386; Nov. 16.
Motor unit, Flasher. S. C. Vincent and F. C. Volkman. 2,099,583; Nov. 16.
Motor unit, Multiple. E. C. Ekstromer. 2,098,958; Nov. 16.
Mounting, Compensating wheel. L. J. Kepler. 2,099,304; Nov. 16.
Mounting, Split platen. J. Q. Sherman. 2,098,978; Nov. 16.
Mounting, Terminal. L. W. Kelsay. 2,099,117; Nov. 16.
Mower. W. Foushee and M. B. Heckendorn. 2,098,948; Nov. 16.
Multiple-jacquard motion. M. Childs. 2,099,001; Nov. 16.
Multiple key switch. L. Hammond. 2,099,204; Nov. 16.
Necktie rack. J. Wright. 2,099,507; Nov. 16.
Nest, Trap. H. J. Criner. 2,099,052; Nov. 16.
Nitrocellulose emulsions and producing. J. K. Speicher. 2,099,501; Nov. 16.
Nozzle device, Delivery or extrusion. R. H. Anderson. 2,099,289; Nov. 16.
Oil level indicator, Instrument panel. D. W. Dippel. 2,099,105; Nov. 16.
Oil manufacture, Hydrocarbon. M. de Simó and F. B. Hillmer. 2,099,513; Nov. 16.
Oils, Dewaxing. C. D. Barnes and M. T. Flaxman. 2,099,190; Nov. 16.
Oils in the vapor phase, Cracking. P. C. Keith, Jr. 2,099,668; Nov. 16.
Oils, Treating mineral. W. B. McCluer and M. R. Fenske. 2,099,615; Nov. 16.
Opener, Can. T. S. Quea. 2,099,430; Nov. 16.
Openings of liquid containers, Device for closing filling. H. G. Dibelka and J. D. Cramer. 2,099,558; Nov. 16.
Optical testing. A. S. Goodrich and C. R. Tait. 2,099,012; Nov. 16.
Orthopedic correcting appliance. M. Jungmann. 2,099,401; Nov. 16.
Oscillation generator. K. Pritz. 2,099,300; Nov. 16.
Oscillator for the biological treatment of living tissue. V. Caesar. 2,099,511; Nov. 16.
Oven, Wax sweating. A. B. Gauschemann. 2,099,603; Nov. 16.
Package, Sealed. B. D. Brown. 2,099,419; Nov. 16.
Packing. J. M. Bandish. 2,098,992; Nov. 16.
Packing composition. H. T. Stewart. 2,099,241–2; Nov. 16.
Pad: *See*—
Arch support pad. Memorandum pad.
Bedding pad. Polishing pad.
Furniture pad.
Paint, Applying. C. C. Morrison. 2,099,030; Nov. 16.
Panels, Securing trim. B. C. Place. 2,099,619; Nov. 16.
Paper holder. W. Henson and W. Nelson, Jr. 2,099,268; Nov. 16.
Paper pulp, Manufacturing. E. P. Jones. 2,099,399; Nov. 16.
Paper pulp, Preparation of. E. P. Jones. 2,099,400; Nov. 16.
Para-cresol from tar acid mixtures, Obtaining. D. F. Gould. 2,099,109; Nov. 16.
Paste cutting roller. C. Usbeck. 2,099,286; Nov. 16.
Pasting press. L. Goldhammer. 2,099,439; Nov. 16.
Perforating machine. E. G. Rix. 2,099,230; Nov. 16.
Pharyngeal bulb gasway. B. S. Leech. 2,099,127; Nov. 16.
Phial. V. Monnier. 2,099,370; Nov. 16.
Phonograph. C. Huenlich. 2,099,564; Nov. 16.
Photographic developer and photographic developing. G. Schwarz. 2,099,374; Nov. 16.
Photographic make-up. M. Firestein and S. Ferentzy. 2,099,010; Nov. 16.
Photographic material and process. L. E. Clément. 2,099,297; Nov. 16.
Photographic reproductions used in color printing, Method and means for registering. 2,099,364; Nov. 16.
Picture and sound reproducing machine, Motion. A. Shapiro. 2,099,376; Nov. 16.
Picture frame. A. H. Schultz. 2,099,538; Nov. 16.
Pie making and automatic baking machine combined. N. H. Whitlock. 2,099,247; Nov. 16.
Pigment and making same. C. J. Kinzie. 2,099,019; Nov. 16.

Pigments, Manufacture of materials containing. H. Dreyfus. 2,099,004; Nov. 16.
Pile shells, Apparatus for driving. E. D. Watt. 2,099,664; Nov. 16.
Piling, Concrete interlocking. E. F. Stevens. 2,099,543; Nov. 16.
Piling, Interlocking steel sheet. E. F. Stevens. 2,099,542; Nov. 16.
Pill or tablet. J. W. Keller. 2,099,402; Nov. 16.
Pin: *See*—
Clothes pin.
Pipe clip. E. A. S. Langslow. 2,099,125; Nov. 16.
Pipe coating apparatus. A. G. Perkins. 2,099,076; Nov. 16.
Pipe coatings, Apparatus for drying. J. J. Boax. 2,099,462; Nov. 16.
Pipe heat exchanger, Double. J. C. Mahoney. 2,099,493; Nov. 16.
Pipes and tubes, Apparatus for making. B. Bannister. 2,099,459; Nov. 16.
Pipes, Attachment for smoking. H. F. Haines. 2,099,203; Nov. 16.
Plastic material and producing the same. E. Helft. 2,099,651; Nov. 16.
Platen-operating mechanism. A. T. Gardner. 2,099,059; Nov. 16.
Platform, Skid. C. L. Clark and A. G. Knowles. 2,099,051; Nov. 16.
Plural selection adapter for delay mechanism. A. H. Reiber. 2,098,973; Nov. 16.
Pole splice. C. A. Fox. 2,099,108; Nov. 16.
Polishing pad. R. B. Kingman. 2,098,966; Nov. 16.
Potentiometer, Vacuum tube. F. Rosebury. 2,099,349; Nov. 16.
Powder, Finger print. J. J. McCarthy. 2,099,028; Nov. 16.
Power transmission. H. T. Lambert. 2,099,489; Nov. 16.
Power transmitting and lubricating mechanism. D. R. Scholes. 2,099,036; Nov. 16.
Precombustion-chamber engine. K. Rabe. 2,099,316; Nov. 16.
Press: *See*—
Pasting press.
Press for soling shoes. E. A. Hammarsjö. 2,099,302; Nov. 16.
Pressure fluid actuated tool, Portable. E. H. Shaff. 2,099,280; Nov. 16.
Printing and dyeing composition and processes. F. Zwilgmeyer. 2,099,091; Nov. 16.
Printing and dyeing compositions. M. A. Dahlen. 2,099,104; Nov. 16.
Projection device. W. G. Wolfe. 2,098,988; Nov. 16.
Projection system. A. H. Blohm. 2,098,941; Nov. 16.
Propelling and steering mechanisms for trucks and the like. E. J. Wilson. 2,099,044; Nov. 16.
Propyl chloride, Manufacturing. E. B. Hjerpe and W. A. Gruse. 2,099,480; Nov. 16.
Protecting device. R. A. Packert and W. H. Marks. 2,099,408; Nov. 16.
Pull rod clamp, Adjustable. J. F. Sampson. 2,099,628; Nov. 16.
Puller: *See*—
Form puller.
Pump: *See*—
Fuel pump.
Pump or compressor. H. L. Bancroft and H. S. Smith. 2,099,326; Nov. 16.
Rack: *See*—
Necktie rack.
Railway switch. S. L. Eastburn and C. Banker. 2,099,559; Nov. 16.
Rake attachment. D. A. Donnan. 2,099,053; Nov. 16.
Ratchet wrench. G. W. Fields. 2,099,601; Nov. 16.
Ration. W. H. Brinton. 2,098,998; Nov. 16.
Rays, Apparatus for producing extremely fast corpuscular. A. Brasch and F. Lange. 2,099,327; Nov. 16.
Razor. D. E. and S. Alport. 2,099,251; Nov. 16.
Razor. K. C. Hanson. 2,099,605; Nov. 16.
Razor and hair clipper. G. P. Schmitt. 2,099,537; Nov. 16.
Reactance element control. F. Metzger. 2,099,568; Nov. 16.
Reaction products of glycols annd alkaloids. S. Ruben. 2,099,432; Nov. 16.
Receptacle and socket for neon tubes. W. Ledder. 2,099,610; Nov. 16.
Recliner mechanism for chairs. A. B. Bell. 2,099,460; Nov. 16.
Recorder: *See*—
Heat-processing recorder. Liquid level recorder.
Recording mechanism for coin-operated machines. G. E. Norris. 2,099,173; Nov. 16.
Reel: *See*—
Gagers' tape reel.
Reel. A. B. Brown and C. T. Siebs. 2,099,102; Nov. 16.
Reel mounting for motion picture projection apparatus. E. C. Fritts. 2,099,299; Nov. 16.
Reflector, Wiremold lumiline. A. O. La Ducer. 2,099,020; Nov. 16.
Refractor. T. W. Rolph. 2,099,034; Nov. 16.
Refractory. R. G. Lemmerman. 2,099,342; Nov. 16.
Refrigerating apparatus. R. D. Kneisley. 2,099,653; Nov. 16.
Refrigerating apparatus. J. A. MacLean. 2,099,567; Nov. 16.
Refrigerating apparatus. L. A. Philipp. 2,099,409; Nov. 16.
Refrigerating apparatus. G. F. Zellhoefer. 2,099,382; Nov. 16.
Refrigerating machine, Absorption. J. L. Getaz. 2,099,201; Nov. 16.
Refrigeration. H. M. Ullstrand. 2,099,041; Nov. 16.
Refrigerator drip catcher and air circulation control. R. M. Henderson. 2,099,165; Nov. 16.
Refuse burning furnace. M. A. Hofft. 2,099,522; Nov. 16.
Register. R. C. Bradley. 2,099,463; Nov. 16.
Register. W. Marshall. 2,099,306; Nov. 16.
Register transfer mechanism. J. C. Woodford. 2,099,645; Nov. 16.
Regulator: *See*—
Maximum demand regulator.
Relay. A. Weaver. 2,099,089; Nov. 16.
Resilient support. J. F. Neal and W. M. Haessler. 2,099,031; Nov. 16.
Resin and producing, Synthetic. I. W. Humphrey. 2,099,486; Nov. 16.
Resin esters and their production, Hydrogenated. I. W. Humphrey. 2,099,067; Nov. 16.
Resins, Artificial. R. Hill and E. E. Walker. 2,098,964; Nov. 16.
Resins, Making hydrocarbon. W. L. Webb. 2,099,090; Nov. 16.
Retardation controller, Shockproof. E. R. Fitch. 2,099,390; Nov. 16.
Rim construction and making the same, Laminated. C. W. Ryerson. 2,099,410; Nov. 16.
Road roller. A. W. Aitken. 2,099,590; Nov. 16.
Rodent trap. G. M. Landes. 2,099,021; Nov. 16.
Roll top container. J. Kreisler. 2,099,122; Nov. 16.
Roller: *See*—
Paste cutting roller. Road roller.
Roof composition and producing the same. H. C. Avery. 2,099,093; Nov. 16.
Roofing. H. C. Avery. 2,099,094; Nov. 16.
Room cooling apparatus, Portable. J. R. Ballard. 2,099,188; Nov. 16.
Rotary members, Driving. W. A. Woodeson and W. Midgley. 2,099,359; Nov. 16.
Rubber conversion products, Preparing. L. B. Sebrell. 2,099,318; Nov. 16.
Rubber, Treatment of. H. R. Thies and G. R. Lyon. 2,099,546; Nov. 16.
Rudder, Fin equipped. L. Possenheim. 2,099,229; Nov. 16.
Rug and making same. W. W. Robinson. 2,099,626; Nov. 16.
Saddle and making the same. E. W. Swett. 2,099,503; Nov. 16.
Safety device for engines. A. O. Carpenter. 2,099,556; Nov. 16.
Safety device for oil burners, Dual. J. J. Brown. 2,098,951; Nov. 16.
Sandal, Waterproof bathing. C. E. Bradley and K. L. Keene. 2,099,418; Nov. 16.
Sanding device, Track. K. Procházka. 2,099,315; Nov. 16.
Saw, Scroll. H. E. Tautz. 2,099,321; Nov. 16.
Screen: *See*—
Fireplace screen.
Sculpture. J. Limeses, A. M. M. T. M. Saralegui, and C. A. P. Del Cerro. 2,099,612; Nov. 16.
Seal, Condenser tube. O. Markel, W. H. Phillips, and J. M. Bandish. 2,099,026; Nov. 16.
Sealing means. J. W. McClatchie. 2,099,169; Nov. 16.
Seat: *See*—
Adjustable seat.
Sedimentation apparatus. N. B. Lund. 2,099,654; Nov. 16.
Seed cotton cleaner-drier. N. B. Henry. 2,099,064; Nov. 16.
Seed separator. M. Weaver. 2,099,505; Nov. 16.
Seismic prospecting, Method and apparatus for. S. A. Scherbatskoy and J. Neufeld. 2,099,536; Nov. 16.
Self-adjusting mechanism. E. S. Witchger. 2,098,987; Nov. 16.
Separator: *See*—
Egg separator. Seed separator.
Setting tool. E. Burns and H. P. Wickersham. 2,099,048; Nov. 16.
7-hydroxy-cholesterol. A. Windaus and F. Schenck. 2,098,985; Nov. 16.
Sewing machine, Slip stitch. H. Rosenman and L. Roseman. 2,099,574; Nov. 16.
Shank stiffener. H. Gordon. 2,099,394; Nov. 16.
Sharpening device. F. A. Stainbrook. 2,099,179; Nov. 16.
Shaving device. J. B. Gormley. 2,099,334; Nov. 16.
Shears. M. Morgan and J. N. Whalen. 2,099,496; Nov. 16.
Sheet for rotary printing presses, Draw. R. R. Lewis. 2,099,024; Nov. 16.
Sheeting, colored cellulose ester. W. O. Kenyon and R. H. Van Dyke. 2,099,341; Nov. 16.

Shield, Insulator. D. H. Smith. 2,099,540; Nov. 16.
Shingle, Thick butt. S. P. Miller. 2,099,131; Nov. 16.
Ships, Antirolling apparatus for. W. Wallace. 2,099,380; Nov. 16.
Shoe. A. W. and A. F. Donovan. 2,099,436; Nov. 16.
Shoe. B. F. Norcross. 2,099,138; Nov. 16.
Shoe parts, Machine for operating upon. C. H. James and W. I. Bacon. 2,099,017; Nov. 16.
Shoe sole channels, Mechanism for laying. H. Gordon. 2,099,393; Nov. 16.
Shoe stiffeners, Making. B. E. Schwarz and F. D. Dean. 2,099,037; Nov. 16.
Shoe trimmings and the like, Making. A. C. Murray. 2,098,969; Nov. 16.
Shrinkage control of flexible printing plates and the like. G. C. Waters. 2,099,154; Nov. 16.
Shuttle box device, Idle dagger rod and light. J. Chapman and B. W. Brown. 2,099,469; Nov. 16.
Sign: *See*—
Illuminated sign.
Sign and construction, Display. R. H. Stewart. 2,099,633; Nov. 16.
Signal: *See*—
Direction signal.
Signaling system. H. W. Dudley. 2,098,956; Nov. 16.
Signaling system, Railway. H. S. Young. 2,099,508; Nov. 16.
Siphon flush tank. L. Serra. 2,099,631; Nov. 16.
Sizer. H. Paxton. 2,099,223; Nov. 16.
Skeleton structure. L. Armbruster. 2,099,589; Nov. 16.
Skylight or floorlight construction. J. M. Richards. 2,099,534; Nov. 16.
Sled, Coaster. C. H. Maneval. 2,099,656; Nov. 16.
Slip-on cover, Garment hanger. J. C. McAllister. 2,099,308; Nov. 16.
Soap and brush holder. M. Schnider. 2,099,279; Nov. 16.
Socket and bracke extension, Resilient light. J. D. Langdon. 2,099,405; Nov. 16.
Soil, Method of hardening. L. Casagrande. 2,099,328; Nov. 16.
Spat, Waterproof. M. Glowka. 2,099,476; Nov. 16.
Speed and cut-off indicator for locomotives. A. J. Porskievles. 2,099,101; Nov. 16.
Speed control mechanism. P. A. Chamberlain. 2,099,050; Nov. 16.
Spreader, Lime. W. A. Lutz. 2,099,369; Nov. 16.
Spreader, Traction. H. W. Stevenson. 2,099,283; Nov. 16.
Spring: *See*—
Carburetor spring. Compensating spring.
Spring cover. G. W. Crabtree. 2,099,197; Nov. 16.
Spring suspension of independent car wheels especially for motor vehicles. F. Porsche. 2,099,312; Nov. 16.
Stack lifter. R. T. Romine. 2,099,078; Nov. 16.
Stamping and embossing machine and in particular biscuit making machines. L. Marsden. 2,099,614; Nov. 16.
Starter for internal combustion engines. H. Klein. 2,099,524; Nov. 16.
Stocking. H. I. Shively. 2,099,539; Nov. 16.
Stoker. H. P. Anderson. 2,099,552; Nov. 16.
Stove. C. L. Hardwick. 2,099,440; Nov. 16.
Strand, Composite. D. M. Houghton. 2,099,016; Nov. 16.
Strand trapping and cutting device for use in strand doubling or twisting machines, Selective. H. Owens and S. Bottomley. 2,099,530; Nov. 16.
Stretching and drying apparatus. E. H. Russ, Jr. 2,099,081; Nov. 16.
Strip bearing. R. E. B. Sharp. 2,099,661; Nov. 16.
Strip cold rolling, Wide. L. S. Dahl and J. H. Shultz. 2,099,261; Nov. 16.
Stud. C. Bramming. 2,098,997; Nov. 16.
Stud. E. D. Goddington. 2,099,470; Nov. 16.
Suction cleaner. D. C. Gerber. 2,099,391; Nov. 16.
Suction cleaner. D. G. Smellie. 2,099,377–8; Nov. 16.
Suction cleaner. H. B. White. 2,099,413; Nov. 16.
Sugar and making the same, Processed. M. D. Rounds. 2,099,175; Nov. 16.
Sugar liquors, Refining. C. Ebert and W. B. Newkirk. 2,099,389; Nov. 16.
Supercharger. C. A. Kutcher. 2,099,366; Nov. 16.
Support: *See*—
Resilient support.
Support for hosiery display forms. H. Janssen. 2,099,652; Nov. 16.
Support for instruments, Antivibration. C. L. Seward, Jr. 2,099,375; Nov. 16.
Support or stool, Body. P. A. Olszanowski. 2,099,345; Nov. 16.
Supporter, Hose. C. L. Sellen. 2,098,977; Nov. 16.
Sweater. H. Reeb. 2,099,431; Nov. 16.
Sweeper, Suction. J. J. McCabe and A. W. Seyfried. 2,099,172; Nov. 16.
Switch: *See*—
Electric switch. Railway switch.
Multiple key switch.
Switch. W. R. Huttinger. 2,099,607; Nov. 16.
Switch contacts, Electrical. L. Zickrick. 2,099,551; Nov. 16.
Switch handle. F. H. Travers. 2,099,580; Nov. 16.
Swivel harp fixture. E. W. Carpenter. 2,099,000; Nov. 16.
Table leg construction. B. E. Mills. 2,099,657; Nov. 16.
Tablet, Split action. J. W. Keller. 2,099,403; Nov. 16.
Tachometer working independently of the external pressure, Pneumatic. U. Clamberlini. 2,099,385; Nov. 16.
Tackle box. W. J. De Witt and P. A. Ross. 2,099,003; Nov. 16.
Tag. E. J. McKay. 2,099,029; Nov. 16.
Tank: *See*—
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Tape dispensing means, Plural-length. T. R. Gautier. 2,099,647; Nov. 16.
Tapering attachment for boring machines. H. H. Bauer. 2,099,255; Nov. 16.
Telegraph manual exchange system, Printing. E. M. S. McWhirter and J. G. Flint. 2,099,130; Nov. 16.
Telephone signal system. L. E. Adler. 2,099,250; Nov. 16.
Telephone system, Automatic. J. E. Ostline. 2,099,429; Nov. 16.
Telephone system, Loud speaking. H. A. Howell. 2,099,442; Nov. 16.
Temperature and pressure relief valve. F. W. Werring. 2,099,643; Nov. 16.
Terminal, for lead covered cables. H. R. Turner. 2,099,581; Nov. 16.
Textile. W. W. Heckert. 2,099,363; Nov. 16.
Textile stock, Conditioning. H. L. Siever. 2,099,146; Nov. 16.
Thorium oxide and its transformation into thorium salts, Manufacture of reactive. R. Zellmann and R. Müller. 2,099,325; Nov. 16.
Thread, Apparatus for the liquid-treatment of fine filamentous. C. A. Huttinger. 2,099,338; Nov. 16.
Thread, Process and apparatus for the utilization of artificial. A. L. Snyder. 2,099,178; Nov. 16.
Tie, Coat. M. Rosow. 2,099,535; Nov. 16.
Timber connecter. J. E. Myer. 2,099,273; Nov. 16.
Time and zone metering device. O. Muck and L. F. Muller. and P. Zier. 2,099,616; Nov. 16.
Timing and signaling device. H. Hackett. 2,099,516; Nov. 16.
Tire antiskid device. E. Edgar. 2,099,006; Nov. 16.
Tire deflating device. C. A. Overturf. 2,099,642; Nov. 16.
Toaster, Automatic electric. M. Ireland. 2,099,210; Nov. 16.
Tobacco-users' appliance. H. L. Uber. 2,098,983; Nov. 16.
Toilet appliance. L. De F. Hokerk. 2,099,484; Nov. 16.
Toilet assembly. G. W. Kennedy. 2,099,118; Nov. 16.
Tool: *See*—
Egg handling tool. Setting tool.
Metal tapping tool. Woodworking tool.
Pressure fluid actuated tool.
Tool. C. O. Carlson. 2,099,259; Nov. 16.
Tool for cleaning furnace-grates. K. H. Teorell. 2,099,355; Nov. 16.
Towel dispensing device. J. E. Trewhitt and C. A. Old. 2,099,183; Nov. 16.
Toy building construction. N. I. Paulson. 2,099,075; Nov. 16.
Track gauge indicator. E. W. Backes. 2,098,938; Nov. 16.
Traction wheel. K. J. E. Nilson. 2,099,136; Nov. 16.
Tractor. T. Brown. 2,099,194; Nov. 16.
Tractor attachment. A. N. Wendel. 2,099,637; Nov. 16.
Train. C. Geissen. 2,098,949; Nov. 16.
Transmission. H. F. Patterson. 2,099,140; Nov. 16.
Transmission. A. G. Schneider. 2,099,630; Nov. 16.
Transmission mechanism for power booms of concrete pavers. A. E. Lundbye. 2,099,070; Nov. 16.
Transmission regulation. C. O. Mallinckrodt. 2,098,968; Nov. 16.
Transmission system. I. B. Levine. 2,099,022; Nov. 16.
Transmissions, System for high frequency. W. M. Hahnemann and F. Gerth. 2,099,395; Nov. 16.
Trap: *See*—
Rodent trap. Waste trap.
Tray, Service. S. Bloomfield. 2,099,433; Nov. 16.
Trip mechanism for filling machines. R. B. Bagby. 2,099,253; Nov. 16.
Trolley shoe, Renewable and self-lubricating. H. A. Leonhauser. 2,099,491; Nov. 16.
Trolley system, Overhead. S. S. Matthes. 2,099,494; Nov. 16.
Tube: *See*—
Corrosive - fluid - contact tube. Vacuum tube.
Tube for pneumatic tires, Puncture-sealing inner. B. C. Eberhard. 2,099,514; Nov. 16.
Tubes, Forming. G. Larsen. 2,099,126; Nov. 16.
Tubing, Manufacture of metallic. R. Tondeur. 2,099,040; Nov. 16.
Typewriting and calculating machine. A. G. F. Kurowski. 2,099,565; Nov. 16.
Typewriting and computing machine, Combined. A. G. F. Kurowski. 2,099,123; Nov. 16.
Typewriting and computing machine, Combined. H. L. Pitman. 2,098,972; Nov. 16.
Typewriting machine. C. Gabrielson and C. Waucquez. 2,099,011; Nov. 16.

Typewriting machine. C. W. H'Doubler and G. I. Mills. 2,099,262; Nov. 16.
Typewriting machine. B. C. Stickney. 2,099,578; Nov. 16.
Typewriting machine. A. Utz. 2,099,504; Nov. 16.
Undergarment and the like. V. E. Green. 2,099,110; Nov. 16.
Unwinding apparatus for paper webs and the like. A. Potdevin. 2,099,313; Nov. 11.
Vacuum cleaner. H. T. Lang. 2,099,566; Nov. 16.
Vacuum tube. W. G. Taylor. 2,099,579; Nov. 16.
Valve: *See*—
Mixing valve.
Temperature and pressure relief valve.
Valve. F. G. Kraft. 2,099,443; Nov. 16.
Valve construction, Gas. W. and M. Strelow. 2,099,284; Nov. 16.
Valve converting apparatus, Electric. R. C. Griffith and B. D. Bedford. 2,099,561; Nov. 16.
Valve for liquid flow apparatus. M. C. Schwab. 2,099,083; Nov. 16.
Valve loader. E. K. Lynn. 2,099,406; Nov. 16.
Valve stems and the like, Device for grooving. H. P. Phillips. 2,099,228; Nov. 16.
Vanillin from waste sulphite liquor, Producing. R. S. Hatch. 2,099,014; Nov. 16.
Vault construction. A. C. Griffith. 2,099,648; Nov. 16.
Vehicle body construction. H. H. Nissley and G. M. Mazzie. 2,099,134; Nov. 16.
Vehicle-lift. I. A. Weaver. 2,099,636; Nov. 16.
Vehicle lighting. L. Schepmoes. 2,099,451; Nov. 16.
Vehicle structure. W. M. Sheehan. 2,099,145; Nov. 16.
Vehicle structure, Railway. E. G. Hallquist. 2,099,164; Nov. 16.
Vending machine. B. A. Hackett. 2,099,267; Nov. 16.
Vending machine, Refrigerated. R. H. Bird. 2,099,258; Nov. 16.
Vending machine, Selective. B. E. Mills. 2,099,344; Nov. 16.
Ventilator: *See*—
Window top ventilator.
Ventilator. J. H. McDerment. 2,099,309; Nov. 16.
Vest. L. R. Engelson. 2,099,054; Nov. 16.
Vitamin, Antirachitic. A. Windaus and F. Schenck. 2,099,550; Nov. 16.
Voting machines, Party selector mechanism for. A. N. Gustavson. 2,099,202; Nov. 16.
Vulcanizer, Electric. E. C. Raney. 2,099,499; Nov. 16.
Washer: *See*—
Granular material washer. Lemon washer.
Washing and drying machine, Combined. W. A. Frantz and J. J. McCabe. 2,099,163; Nov. 16.
Waste trap. A. Gordon. 2,099,061; Nov. 16.
Watchcase. H. N. Grey. 2,099,515; Nov. 16.
Water clarifier. C. Graham. 2,099,062; Nov. 16.
Water cooler. G. J. Wiggenhorn. 2,099,157; Nov. 16.
Water meter. E. Nuebling. 2,099,139; Nov. 16.
Water, Softening. C. W. Woods. 2,099,287; Nov. 16.
Wax cake. L. H. Macomber. 2,099,213; Nov. 16.
Weapon, Police. F. A. Matsuyama. 2,099,447; Nov. 16.
Weather strip for metal sash windows. F. L. Carr, Jr. 2,099,597; Nov. 16.
Weaving machine, High capacity. R. Rossmann. 2,099,627; Nov. 16.
Web feeding mechanism. A. H. Blohm. 2,098,940; Nov. 16.
Welding, Apparatus for. J. V. Caputo. 2,098,952; Nov. 16.
Well holes, Means and method of determining the inclination of. C. A. Reinhard. 2,099,372; Nov. 16.
Well pumping unit. H. G. Durnell and S. T. Steel. 2,098,957; Nov. 16.
Well sampler, Bottom hole. G. W. Rusler. 2,099,080; Nov. 16.
Wheel: *See*—
Traction wheel.
Wheel structure, Steering. T. B. Roberts and W. A. Howard. 2,099,625; Nov. 16.
Wheel suspension, Vehicle. J. R. Holmes. 2,099,114; Nov. 16.
Window mechanism. F. E. Zick. 2,099,184; Nov. 16.
Window top ventilator, Storm. F. J. Schmidt. 2,099,235; Nov. 16.
Windshield wiper motor. F. G. G. Armstrong and H. Clayton-Wright. 2,098,936; Nov. 16.
Wiper for typesetting machines, Mouth. D. J. Fournet. 2,099,264; Nov. 16.
Wire, Apparatus for coating. O. A. McNamee. 2,099,270; Nov. 16.
Wire container. A. N. Joley. 2,099,339; Nov. 16.
Wire-handling apparatus. R. C. Pierce. 2,099,532; Nov. 16.
Wire splicer. R. W. Davis. 2,098,945; Nov. 16.
Woodworking tool. T. L. Hedgpeth. 2,099,519; Nov. 16.
Wrapper for commodities, Paper. C. S. Hamersley and S. C. Fairbanks. 2,099,301; Nov. 16.
Wrench: *See*—
Ratchet wrench.
Wringer, Mop. C. C. Newland. 2,099,217; Nov. 16.
X-ray inspection apparatus. M. B. Adrian. 2,099,185; Nov. 16.
Yarn, Asbestos textile. W. A. Barrell. 2,098,995; Nov. 16.
Yarn-change feeding mechanism for circular knitting machines. H. McAdams. 2,099,307; Nov. 16.
Yarn manufacture. P. F. C. Sowter. 2,098,980–1; Nov. 16.
Yarn, Producing hairy rayon. J. E. Moore. 2,099,215; Nov. 16.
Yeast molding and cutting machine. H. L. King, A. Sharp, and K. Schnorr. 2,099,119; Nov. 16.
Yeast, Treating liquid. R. F. Light, C. N. Frey, and G. J. Patitz. 2,099,025; Nov. 16.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 16, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

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347: 2,099,469
420: 2,099,609
426: 2,098,993
2,098,994
55: 2,099,259
93: 2,099,411
2,099,586
115: 2,098,945
143— 70: 2,099,321
144— 129: 2,099,519
145— 61: 2,099,246
146— 2: 2,099,276
3: 2,099,170
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2,099,225
2,099,226
147— 18: 2,099,445
148— 26: 2,099,582
150— 29: 2,099,663
37: 2,099,569
152— 14: 2,099,006
153— 1: 2,099,624
154— 14: 2,099,514
40: 2,099,598
42: 2,099,439
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155— 5.23: 2,099,503
37: 2,099,345
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180: 2,099,200
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158— 4: 2,099,092
7: 2,099,275
28: 2,098,951
53: Re.20,557
117: 2,099,205
161— 23: 2,099,516
164— 60: 2,099,458
61: 2,099,084
68: 2,099,314
2,099,496
166— 10: 2,099,048
167— 16: 2,099,623

167— 22: 2,098,942
68: 2,098,976
78: 2,099,659
82: 2,099,402
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91: 2,099,010
169— 17: 2,099,069
170— 27: 2,099,617
171— 34: 2,098,986
95: 2,099,002
222: 2,099,050
2,099,583
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252: 2,099,575
2,098,958
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323: 2,099,554
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246: 2,099,568
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266: 2,099,407
318: 2,099,063
2,099,666
328: 2,099,610
353: 2,099,581
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361: 2,099,555
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363: 2,099,561
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176— 1: 2,099,073
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24: 2,099,305
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23: 2,099,065
2,099,130
24: 2,098,940
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2,099,395
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1.5: 2,098,956
2.5: 2,099,022
7.1: 2,099,616
17: 2,099,429
81: 2,099,381
84: 2,099,250
90: 2,099,143
100.3: 2,099,376
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2,099,294
180— 9.2: 2,099,044
75: 2,099,194
82: 2,098,939
181— 0.5: 2,099,536
182— 9: 2,099,061
183— 51: 2,099,391
184— 4: 2,099,036
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188— 33: 2,099,421
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189— 56: 2,099,408
76: 2,099,184
85: 2,099,337
86: 2,099,211
191— 38: 2,099,494
59.1: 2,099,491
194— 4: 2,099,234
16: 2,099,124
195— 109: 2,098,962
196— 13: 2,099,513
2,099,615

1 96—	18: 2,099,190	210—	152: 2,099,502	229—	66: 2,099,425	248—	28: 2,099,332	260—	137: 2,099,014	281—	1: 2,099,295
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	28: 2,098,943		106: 2,099,507		2,099,256		42: 2,099,254		2,098,985	284—	6: 2,099,490
	47: 2,099,668		143: 2,099,653		74: 2,099,029		71: 2,099,098		2,098,550		19: 2,099,335
	48: 2,099,426	212—	74: 2,099,078		76: 2,099,354		74: 2,099,465	154:	2,099,109	285—	56: 2,099,026
	74: 2,099,434		126: Re.20,554		80: 2,099,303		120: 2,099,051	156:	2,099,475	287—	53: 2,099,580
	2,099,448	214—	82: 2,099,032		87: 2,099,301		205: 2,098,997	159:	2,099,529		58: 2,099,628
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197—	13: 2,099,123	215—	7: 2,099,097		131: 2,099,366		358: 2,099,375		2,099,357		125: 2,099,108
	65: 2,099,262		13: 2,099,174		259: 2,099,196		2,099,655	166:	2,099,480	288—	1: 2,098,992
	88: 2,099,504		37: 2,099,370	234—	6: 2,099,417	250—	20: 2,099,156	169:	2,098,960	291—	22: 2,099,283
	110: 2,099,147		46: 2,099,419		73: 2,099,180		2,099,311	170:	2,098,959		23: 2,099,315
	114: 2,099,059	219—	4: 2,098,952	235—	64: 2,099,202		27: 2,099,089		2,099,350	292—	340: 2,099,456
	131: 2,099,578		19: 2,099,152		59: 2,099,565		27.5: 2,099,531	261—	42: 2,099,096	293—	55: 2,099,049
	145: 2,098,978		2,099,210		60: 2,098,972		2,099,533		50: 2,099,553		2,099,212
	179: 2,099,011		2,099,247		62: 2,099,060		2,099,579		90: 2,099,607	294—	14: 2,099,355
198—	20: 2,098,971		2,099,499		132: 2,099,129		33: 2,099,296		103: 2,099,009		67: 2,099,116
	95: 2,099,512		39: 2,099,018		2,099,463		34: 2,099,023	262—	28: 2,099,373		103: 2,099,588
	119: 2,099,070	220—	10: 2,099,113		133: 2,099,645		2,099,185	263—	33: 2,099,045	296—	44: 2,099,248
	188: 2,099,071		82: 2,099,046	236—	15: 2,099,171		2,099,327		34: 2,098,999		137: 2,099,134
199—	18: 2,098,973		86: 2,099,558		26: 2,099,239		36: 2,099,300		48: 2,099,043		2,099,649
	62: 2,099,264	221—	18: 2,099,529		91: 2,099,182	251—	93: 2,099,169	264—	14: 2,099,385	301—	37: Re.20,553
200—	18: 2,099,585		23: 2,099,292	237—	63: 2,099,310		115: 2,099,284	265—	1: 2,099,662		44: 2,099,136
	38: 2,098,965		2,099,322	240—	6: 2,099,020	254—	92: 2,099,274		12: 2,099,216		97: 2,099,410
	48: 2,099,607		2,099,323		7.1: 2,099,444		93: 2,099,636		27: 2,099,562	303—	3: 2,099,428
	52: 2,099,483		2,099,324		7.35: 2,099,451		97: 2,099,487	266—	7: 2,099,121		6: 2,099,422
	2,099,560		60: 2,099,289		2,099,452		132: 2,099,592	267—	1: 2,099,108		15: 2,099,396
	83: 2,099,416		2,099,412		7.7: 2,099,362	257—	247: 2,099,493		4: 2,099,240		19: 2,099,384
	117: 2,099,500		2,099,523		8.3: Re.20,552		248: 2,099,186		37: 2,099,197		24: 2,099,390
	146: 2,099,639		67: 2,099,083		59: 2,099,167	260—	1: 2,099,318	271—	2.3: 2,099,245		26: 2,099,263
	152: 2,099,573		78: 2,099,595		106: 2,099,034		2,099,546		2.4: 2,099,647		37: 2,099,397
	166: 2,099,551		95: 2,099,644		148: 2,099,000		2: 2,099,090	273—	72: 2,099,521		42: 2,099,392
202—	270: 2,099,271		98: 2,099,591	242—	55: 2,099,299		2,099,510		81: 2,099,319		56: 2,099,406
204—	1: 2,099,328		102: 2,099,253		71: 2,099,646		8: 2,098,964		84: 2,099,447		89: 2,099,433
	5: 2,099,290	223—	87: 2,099,596		75: 2,099,313		2,099,486		143: 2,099,173	308—	239: 2,099,661
	9: 2,099,658		98: 2,099,308		77: 2,099,102		25: 2,099,432		149: 2,099,187	311—	22: 2,099,433
	24: 2,098,982		120: 2,099,652		84.8: 2,099,153		32: 2,098,954		152: 2,099,611		111: 2,099,450
205—	13: 2,099,532	225—	3: 2,099,528		103: 2,099,339		38.5: 2,099,168	274—	34: 2,099,564		113: 2,099,657
206—	56: 2,099,488	226—	100: 2,099,252		107: 2,099,268		83: 2,099,272	275—	8: 2,099,369	312—	36: 2,099,557
207—	10: 2,099,449	229—	3.5: 2,099,055		131: 2,099,008		92: 2,098,967	277—	18: 2,099,563		38: 2,099,183
209—	106: 2,099,223		4.5: 2,099,057	244—	42: 2,099,368		96: 2,099,525	280—	22: 2,099,656		64: 2,099,258
	139: 2,099,505		5.5: 2,099,056	246—	46: 2,099,508		99.12: 2,099,214		33.15: 2,099,549		66: 2,099,267
	166: 2,099,120		5.6: 2,099,095		452: 2,099,559		99.40: 2,099,066		95: 2,099,304		95: 2,099,344
	452: 2,099,133		14: 2,099,257	247—	3: 2,099,291		2,099,067		96.2: 2,099,114		
210—	1: 2,099,593		51: 2,099,166		2,099,526		102: 2,099,347		2,099,312		
	3: 2,099,654		53: 2,099,669		7: 2,099,117		2,099,348		97: 2,099,625		

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aberdeen Laboratories Inc., New York, N. Y. Boiler compounds. Serial No. 396,727; Nov. 23. Class 6.

Abrams & Linden, Inc., New York, N. Y. Fur skins. Serial No. 397,786; Nov. 23. Class 1.

Aiello, Luigi, Scranton, Pa. Medicinal preparation. Serial No. 389,049; Nov. 23. Class 6.

Aikin-Lambert Company, New York, N. Y. Fountain pens and parts thereof. Serial No. 398,337; Nov. 23. Class 37.

Album Photo Service. (See Rockford Photo Service.)

Allen Edmonds Shoe Corporation, Belgium, Wis. Shoes. Serial No. 383,379; Nov. 23. Class 39.

Allen, T. Ronald, doing business as T. Ronald Allen and Staff, Dayton, Ohio. Weekly publication. Serial No. 398,030; Nov. 23. Class 38.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Shoes and hosiery, hats. Serial No. 393,967; Nov. 23. Class 39.

Alms & Doepke Company, The, Cincinnati, Ohio. Sheets, pillow cases, sheetings, etc. Serial No. 397,212; Nov. 23. Class 42.

Ashheim, Sylvester, New York, N. Y. Trousers and knickers. Serial No. 397,832; Nov. 23. Class 39.

Atlas Brewing Company, Chicago, Ill. Beer. Serial No. 391,510; published Nov. 23. Class 48.

Automatic Instrument Company. (See Automatic Musical Instrument Company.)

Automatic Musical Instrument Company, now by change of name, Automatic Instrument Company, Grand Rapids, Mich. Architectural panels. Serial No. 391,844; Nov. 23. Class 12.

Baby Service, Inc., Washington, D. C. Prepared infant foods. Serial No. 396,221; Nov. 23. Class 46.

Bates Shoe Company, Webster, Mass. Shoes. Serial No. 395,896; Nov. 23. Class 39.

Beck, Koller & Co., Inc., Detroit, Mich. Resins, resin solutions, and oils. Serial No. 398,082; Nov. 23. Class 16.

Beekman, Emile M., doing business as Beekman Chemical Company, New York, N. Y. Para-aminobenzene-sulphonamide for treating infections. Serial No. 396,257; Nov. 23. Class 6.

Ben-Burk, Inc., Boston, Mass. Whiskey. Serial No. 398,455; Nov. 23. Class 49.

Bennett Incorporated, Cambridge, Mass. Paper filler or powdered papermaking ingredient. Serial No. 397,789; Nov. 23. Class 1.

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. Serial No. 398,274; Nov. 23. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. Serial No. 393,688; Nov. 23. Class 42.

Bon Marche, The. (See Allied Stores Corporation.)

Borgfeldt, Geo., Corporation, New York, N. Y. Dinner sets, breakfast sets, vases, etc. Serial No. 394,823; Nov. 23. Class 30.

Bregstein-Richman, Inc., New York, N. Y. Slips. Serial No. 397,240; Nov. 23. Class 39.

Brown-Camp Hardware Company, Des Moines, Iowa. Rope and cotton wrapping twine. Serial No. 397,176; Nov. 23. Class 7.

Brown-Camp Hardware Company, Des Moines, Iowa. Coaster wagons and coasting sleds. Serial No. 397,179; Nov. 23. Class 22.

Brown-Camp Hardware Company, Des Moines, Iowa. Lead pencils and toilet paper. Serial No. 397,182; Nov. 23. Class 37.

Brown-Saltman Upholstering Company, South Gate, Calif. Davenports, mattresses, love-seats, etc. Serial No. 395,270; Nov. 23. Class 32.

Bunyan, Paul, Foods, Inc., Seattle, Wash. Canned fruits, vegetables, berries, etc. Serial No. 396,489; Nov. 23. Class 46.

Buschman, A. C., & Co. Inc., Newark, N. J. Synthetic lacquers and varnishes. Serial No. 397,732; Nov. 23. Class 16.

Butler, Merritt F., doing business as Freeman Products, Howard City, Mich. Medicinal preparation for treating piles. Serial No. 396,761; Nov. 23. Class 6.

Calco Chemical Company, Inc., The, Bound Brook, N. J. Pharmaceutical preparation. Serial No. 397,570; Nov. 23. Class 6.

Carrières Dumon et Produits Calcaires du Tournaisis Société Anonyme, Vaulx-near-Tournai, Belgium. Portland cements. Serial No. 396,224; Nov. 23. Class 12.

Cave Springs Distillery Corporation, Inc., Wilder, Ky. Whiskey. Serial No. 396,024; Nov. 23. Class 49.

Celanese Corporation of America, New York, N. Y. Underwear. Serial No. 397,739; Nov. 23. Class 39.

Celluloid Corporation, Newark, N. J. Plastic material in the form of sheets, foils, etc. Serial No. 396,529; Nov. 23. Class 1.

Cellulose Holdings, Ltd., New York, N. Y. Chemical compounds. Serial No. 395,854; Nov. 23. Class 6.

Central States Distributors, Inc., Chicago, Ill. Brandy. Serial No. 398,524; Nov. 23. Class 49.

Chambersburg Engineering Company, Chambersburg, Pa. Stamping hammers and presses. Serial No. 396,802; Nov. 23. Class 23.

Chicago Mail Order Company, Chicago, Ill. House dresses. Serial No. 397,838; Nov. 23. Class 39.

Chic-Togs, Inc., New York, N. Y. Skirts. Serial No. 397,898; Nov. 23. Class 39.

Cinsolo, Charles J., Deer Park, Ohio. Chemical washing fluids. Serial No. 394,882; Nov. 23. Class 6.

Clairol, Inc., New York, N. Y. Bowl or receptacle. Serial No. 394,578; Nov. 23. Class 2.

Clairol, Inc., New York, N. Y. Brushes. Serial No. 394,579; Nov. 23. Class 29.

Clark-Millner Company, Chicago, Ill. Cosmetics and beauty preparations. Serial No. 398,238; Nov. 23. Class 6.

Coffin-Redington Company, San Francisco, Calif. Antacid powder, earache drops, nose and throat drops, etc. Serial No. 392,669; Nov. 23. Class 6.

Commodore Woolen Co., New York, N. Y. Woolen fabrics in the piece. Serial No. 398,002; Nov. 23. Class 42.

Continental Foods Corp., Los Angeles, Calif. Canned vegetables and fruits and canned creaming sauce. Serial No. 397,646; Nov. 23. Class 46.

Copy Right Manufacturing Corporation, New York, N. Y. Mechanically operated copyholders. Serial No. 390,114; Nov. 23. Class 23.

Cornbleet Brothers, Henderson, Ky. Dresses and aprons. Serial No. 398,003; Nov. 23. Class 39.

Crompton Company, West Warwick, R. I. Velvets. Serial No. 396,763; Nov. 23. Class 42.

Crown Cork & Seal Company, Inc., Baltimore, Md. Container closures. Serial No. 397,071; Nov. 23. Class 50.

Crusellas Rhum Quinquina Co., Inc., New York, N. Y. Hair tonic. Serial No. 395,401; Nov. 23. Class 6.

Curox Laboratories, Inc., Longview, Tex. Antiseptic healing powder, a foot powder, etc. Serial No. 395,224; Nov. 23. Class 6.

Dant & Head Distilling Company, Inc., Louisville, Ky. Whiskey. Serial No. 384,121; Nov. 23. Class 49.

Decatur Garment Company, Decatur, Ill. Dresses and aprons for women and misses. Serial No. 395,980; Nov. 23. Class 39.

Dennison Manufacturing Company, Framingham, Mass. Tags. Serial No. 397,796; Nov. 23. Class 37.

Ditto, Incorporated, Chicago, Ill. Ink. Serial No. 396,249; Nov. 23. Class 11.

Dormer, Frederic J., New York, N. Y. Ice and roller skates, snow shoes, skis, etc. Serial No. 388,636; Nov. 23. Class 22.

Duophoto, Ltd., now by change of name, Duophoto Corporation, New York, N. Y. Photographic printing and copying machines, photographic paper, trays and drying devices. Serial No. 390,509; Nov. 23. Class 26.

E. A. Laboratories, Inc., Brooklyn, N. Y. Hot water vehicle heaters and windshield wipers. Serial No. 394,829; Nov. 23. Class 19.

Elliott, Jean, Yarns, Los Angeles, Calif. Sportswear. Serial No. 394,894; Nov. 23. Class 39.

Familex Products Company. (See Parent, Romeo.)

Federal Yeast Corporation, Baltimore, Md. Powder consisting of sodium pyrophosphate and corn starch. Serial No. 393,589; Nov. 23. Class 6.

Filtrol Company of California, Los Angeles, Calif. Adsorptive and purifying material. Serial No. 397,373; Nov. 23. Class 6.

Finch, Joseph S., and Company, Schenley, Pa. Rum, whiskey, gin, etc. Serial No. 398,152; Nov. 23. Class 49.

Fleetwood Sportwear Co. Inc., New York, N. Y. Knitted sweaters, suits, and dresses. Serial No. 398,037; Nov. 23. Class 39.

Florasynth Laboratories, Inc., New York, N. Y. Natural and synthetic organic products for flavoring extracts, oils, and blenders for alcoholic beverages. Serial No. 398,005; Nov. 23. Class 49.

Franco Corset Company, New York, N. Y. Corsets. Serial No. 391,382; Nov. 23. Class 39.

Freeman Products. (See Butler, Merritt F.)

Freund, E. A., New York, N. Y. Magazine section. Serial No. 397,286; Nov. 23. Class 38.

Fur Mart of America, Inc., The, New York, N. Y. Dyed coney coats, capes, and jackets. Serial No. 393,032; Nov. 23. Class 39.

Fynnon Limited, Brentford, England. Medicinal salts for treating rheumatism etc. Serial No. 396,677; Nov. 23. Class 6.

Gabriel, Saml., Sons & Company, New York, N. Y. Checkers. Serial No. 398,155; Nov. 23. Class 22.

Garrod, Percy M., doing business as Garrod Products, Port Richmond, Staten Island, N. Y. Cleansing composition for glasses, dishes, etc. Serial No. 397,103; Nov. 23. Class 4.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

General Desserts Corporation, New York, N. Y. Powdered concentrate used for making a non-alcoholic beverage. Serial No. 395,945; Nov. 23. Class 45.

General Motors Corporation, Detroit, Mich. Pumps and pumping apparatus and parts thereof. Serial No. 396,361; Nov. 23. Class 23.

General Sports, Inc., Chicago, Ill. Golf balls. Serial No. 398,313; Nov. 23. Class 22.

Germain Seed and Plant Company, Los Angeles, Calif. Flower seeds. Serial No. 390,908; Nov. 23. Class 1.

Golden, Augustus J., Baltimore, Md. Chewing cigars. Serial No. 397,968; Nov. 23. Class 17.

Green, Bert, New York, N. Y. Topcoats, overcoats, suits, etc. Serial No. 380,199; Nov. 23. Class 39.

Hammermill Paper Company, Erie, Pa. Cover paper. Serial No. 383,356; Nov. 23. Class 37.

Hardie Brothers Company, Pittsburgh, Pa. Candy. Serial No. 397,710; Nov. 23. Class 46.

Hart, Schaffner & Marx, Chicago, Ill. Coats, suits, overcoats, etc. Serial No. 393,850; Nov. 23. Class 39.

Hartog, Louis N., doing business as North Kensington Refinery, New York, N. Y. Malto-dextrine. Serial No. 371,098; Nov. 23. Class 48.

Hearst Magazines Inc., New York, N. Y. Magazine section. Serial No. 397,115; Nov. 23. Class 38.

Heart O'Beat Laboratory. (See Zimmerman, Joseph L.)

Heller, B., & Company, Chicago, Ill. Fruit flavored powdered concentrate. Serial No. 394,176; Nov. 23. Class 46.

Highway Trailer Company, Edgerton, Wis. Trailer bodies. Serial No. 396,957; Nov. 23. Class 19.

Hoffman, S. L., Co., Inc., New York, N. Y. Ladies' utility dresses and uniforms. Serial No. 396,876; Nov. 23. Class 39.

Holden, Edith S., New York, N. Y. Dolls. Serial No. 398,355; Nov. 23. Class 22.

Hollander, Lewis H., doing business as L. H. Hollander & Co., New York, N. Y. Embroidered textile fabrics. Serial No. 397,664; Nov. 23. Class 42.

Hollywood Prevue Ltd., New York, N. Y. Dresses, evening gowns, hats, etc. Serial No. 391,957; Nov. 23. Class 39.

Horner, Frank W., Inc., Lynn, Mass. Aromatic combination of digestive ferments. Serial No. 397,807; Nov. 23. Class 6.

Howard, Rex Z., Fort Worth, Tex. Infra-red and ultra-violet lamps, diathermy machines, etc. Serial No. 392,536; Nov. 23. Class 44.

Hussmann-Holmes Company, Los Angeles, Calif. Foot powder. Serial No. 391,763; Nov. 23. Class 6.

Illinois Brewing Company, Thornton, Ill. Lager beer. Serial No. 398,315; Nov. 23. Class 48.

Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 378,487; Nov. 23. Class 39.

Johnson, Victor, & Company, Inc., San Francisco, Calif. Manila rope. Serial No. 393,987; Nov. 23. Class 7.

Kaiser, Julius, & Co., New York, N. Y. Ladies' underwear. Serial No. 397,758; Nov. 23. Class 39.

Kaylor, Harry W., Hagerstown, Md. Diatomaceous silica. Serial No. 391,916; Nov. 23. Class 1.

Knott, Wm. T., Company, Inc., New York, N. Y. Soaps, soap chips, soap powder, etc. Serial No. 397,123; Nov. 23. Class 4.

Knott, Wm. T., Company, Inc., New York, N. Y. Handbags, pocketbooks, purses, etc. Serial No. 397,131; Nov. 23. Class 3.

Kobel, Georg, New York, N. Y. Ground cereal composition. Serial No. 383,132; Nov. 23. Class 46.

Lake, W. J., & Company, Inc., Seattle, Wash. Lard. Serial No. 396,820; Nov. 23. Class 46.

Lakeland Manufacturing Company, Sheboygan, Wis. Mackinaws. Serial No. 392,930; Nov. 23. Class 39.

L'Ardy Cosmetic Laboratories. (See Rosman, Jacques.)

La Yebana Company, Inc., Sampaloc, Manila, P. I. Cigarettes and cigars. Serial No. 398,047; Nov. 23. Class 17.

Lehn & Fink Products Corporation, Bloomfield, N. J. Face powder. Serial No. 397,598; Nov. 23. Class 6.

Lentheric, Incorporated, New York, N. Y. Women's handbags. Serial No. 397,714; Nov. 23. Class 3.

Lerner Blouse Co., New York, N. Y. Ladies' blouses, shirtwaists, and waists. Serial No. 390,459; Nov. 23. Class 39.

Liberty Research Laboratories, Inc., Farmingdale, L. I., N. Y. Power oil burners and/or parts thereof. Serial No. 374,371; Nov. 23. Class 34.

Lindstrom, H. E., doing business as Acme Broom Company, Sedalia, Mo. Brooms. Serial No. 398,249; Nov. 23. Class 29.

Lockport Cotton Batting Co., Lockport, N. Y. Dry-goods cotton-batts. Serial No. 398,048; Nov. 23. Class 1.

Lone Ranger, Inc. (See Trojan Publishing Corporation, assignor.)

Look, Inc., Des Moines, Iowa. Section of a magazine. Serial No. 397,978; Nov. 23. Class 38.

Low, Elizabeth C., New York, N. Y. Hair pins. Serial No. 395,533; Nov. 23. Class 40.

Macy, R. H., & Co., Inc., New York, N. Y. Whiskey. Serial No. 397,947; Nov. 23. Class 49.

Mann, Arthur, Salinas, Calif. Fresh vegetables. Serial No. 397,948; Nov. 23. Class 46.

Marco Products Company. (See Martin, Christian Z.)

Marcus & Wiesen Inc., New York, N. Y. Chin bands, make-up head bands, make-up shoulder bands, etc. Serial No. 390,461; Nov. 23. Class 44.

Marks' Prize Recipe Foods, Baltimore, Md. Mayonnaise, thousand island dressing, salad dressing, etc. Serial No. 396,824; Nov. 23. Class 46.

Marquette Cement Manufacturing Co., Chicago, Ill. Portland cement and other building cements. Serial No. 375,765; Nov. 23. Class 12.

Martin, Christian Z., doing business as Marco Products Company, Mountville, Pa. Salve or ointment. Serial No. 396,234; Nov. 23. Class 6.

Marvlo Mills, Inc., New York, N. Y. Piece goods. Serial No. 398,285; Nov. 23. Class 42.

Math-O-Lette Company, The. (See Skolnick, William.)

McDuffie, Wm. C., as receiver of Richfield Oil Company of California, Los Angeles, Calif. Gasoline. Serial No. 334,017; Nov. 23. Class 15.

Meat Trade Publishing Co., Chicago, Ill. Periodical publication. Serial No. 397,042; Nov. 23. Class 38.

Mercoid Corporation, Chicago, Ill. Electric controls for electric switches, temperature operated switches, pressure operated electric switches, etc. Serial No. 396,417; Nov. 23. Class 21.

Meyer, H. H., Packing Company, The, Cincinnati, Ohio. Hams. Serial No. 394,624; Nov. 23. Class 46.

Milgrim Manufacturing Co., New York, N. Y. Negligees, pajamas, nightgowns, etc. Serial No. 396,777; Nov. 23. Class 39.

Minks, Albert, Elmwood Place, Ohio. Antiseptic. Serial No. 397,451; Nov. 23. Class 6.

Moorman Manufacturing Company, Quincy, Ill. Mange treatment preparation and sterilizing oil. Serial No. 395,235; Nov. 23. Class 6.

National Fabrics Corporation, New York, N. Y. Piece goods. Serial Nos. 398,119–20; Nov. 23. Class 42.

Neatform Co., Inc., The, New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 396,885; Nov. 23. Class 39.

Nestlé's Milk Products, Inc., New York, N. Y. Cereal food for infants. Serial No. 396,963; Nov. 23. Class 46.

Newsom Palmer & Co., New York, N. Y. Tea. Serial No. 397,814; Nov. 23. Class 46.

New York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs made of hard rubber. Serial No. 393,182; Nov. 23. Class 40.

North Kensington Refinery. (See Hartog, Louis N.)

Norton Company, Worcester, Mass. Abrading and grinding machines. Serial No. 396,469; Nov. 23. Class 23.

Novoscopic Rosary Company. (See Provenza, James V.)

Nulf, George W., doing business as Wilber-Allen Laboratory, Fort Wayne, Ind. Medical compound. Serial No. 396,780; Nov. 23. Class 6.

Ogden-Watney Publishers, Inc., New York, N. Y. Section in a monthly periodical. Serial No. 396,645; Nov. 23. Class 38.

Ogden-Watney Publishers, Inc., New York, N. Y. Section in a monthly periodical. Serial Nos. 397,046–7; Nov. 23. Class 38.

Oregon Waters Fly Co., Portland, Oreg. Trout flies. Serial No. 397,766; Nov. 23. Class 22.

Pacific Distillers, Inc., Culver City, Calif. Solvent used for thinning purposes in the manufacture of paint. Serial No. 396,156; Nov. 23. Class 16.

Parent, Romeo, doing business as Familex Products Company, Montreal, Quebec, Canada. Shaving soaps. Serial No. 393,200; Nov. 23. Class 4.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 398,288; Nov. 23. Class 22.

Paulus Bros. Packing Co., Salem, Oreg. Canned fruit juices. Serial No. 397,803; Nov. 23. Class 46.

Peck, Stow & Wilcox Company, The, Southington, Conn. Axes, hatchets, draw knives, etc. Serial No. 396,003; Nov. 23. Class 23.

Peck, Stow & Wilcox Company, The, Southington, Conn. Awls, axes, bits, etc. Serial No. 396,005; Nov. 23. Class 23.

Pendergast, T. J., Wholesale Liquor Co., Inc., Kansas City, Mo. Whiskey, gin, rum, etc. Serial Nos. 398,486–7; Nov. 23. Class 49.

Perdiz, Manuel P., doing business as Vitalex Laboratories, Buffalo, N. Y. Reconstructive tonic. Serial No. 396,781; Nov. 23. Class 6.

Perrin, Alden F., Chicago, Ill. Periodical. Serial No. 397,483; Nov. 23. Class 38.

Phage Laboratories, Inc., New York, N. Y. Medicament useful in the treatment of hay fever, etc. Serial No. 397,548; Nov. 23. Class 6.

Phelan, Louis A. M., doing business as Pur-O-Mix Laboratories, Rockton, Ill. Mix with which to make malted milk, ice cream, etc. Serial No. 396,294; Nov. 23. Class 46.

Pinaud Incorporated, New York, N. Y. Shaving lotion. Serial No. 397,419; Nov. 23. Class 4.

Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. Serial No. 390,380; Nov. 23. Class 12.

Poltold Co., New York, N. Y. Dental poultices. Serial No. 397,865; Nov. 23. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Price Cravats Company, Newark, N. J. Men's necktles. Serial No. 389,098; Nov. 23. Class 39.

Prince Matchabelli, Inc., New York, N. Y. Perfume and toilet water. Serial No. 398,058; Nov. 23. Class 6.

Premier-Pabst Corporation, Peoria Heights, Ill. Beer. Serial No. 398,637; Nov. 23. Class 48.

Preston Trading Company, Pasadena, Calif. Stamped goods for art needlework. Serial No. 391,972; Nov. 23. Class 40.

Professional Laboratories, Inc., New York, N. Y. Preparations composed of various vitamins and iron. Serial No. 394,804; Nov. 23. Class 6.

Provenza, James V., doing business as Novoscopic Rosary Company, Chicago, Ill. Rosaries. Serial No. 397,163; Nov. 23. Class 28.

Purex Corporation, Ltd., South Gate, Calif. Bleach and water softener. Serial No. 397,549; Nov. 23. Class 6.

Pur-O-Mix Laboratories. (See Phelan, Louis A. M.)

Pyrene Manufacturing Company, Newark, N. J. Tractor tire chains. Serial No. 397,266; Nov. 23. Class 13.

Reefer-Galler Inc., New York, N. Y. Insecticides, insect exterminators, repellents, etc. Serial No. 384,715; Nov. 23. Class 6.

Regnew Laboratories. (See Wenger, Harold A. E.)

Resnick Bros. Ladies Handbags, Inc., New York, N. Y. Ladies' hand bags. Serial No. 396,238; Nov. 23. Class 3.

Richfield Oil Company of California. (See McDuffie, Wm. C., receiver.)

Rideout, George R., doing business as Rollin Products Co., Chicago, Ill. Draftsman's drawing instruments and parts thereof. Serial No. 389,661; Nov. 23. Class 26.

Rockford Photo Service, doing business as Album Photo Service, Rockford, Ill. Photographic prints. Serial No. 397,984; Nov. 23. Class 38.

Rogers Peet Company, New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 379,903; Nov. 23. Class 39.

Rogers Peet Company, New York, N. Y. Suits, overcoats, beach robes, etc. Serial No. 395,683; Nov. 23. Class 39.

Rollin Products Co. (See Rideout, George R.)

Rosenbaum, Israel, New York, N. Y. Boots and shoes. Serial No. 397,589; Nov. 23. Class 39.

Rosenblatt and Kahn, New York, N. Y. Children's coats, suits, dresses, etc. Serial No. 395,654; Nov. 23. Class 39.

Rosman, Jacques, doing business as L'Ardy Cosmetic Laboratories, New York, N. Y. Cold creams, vanishing creams, non-drying masque, etc. Serial No. 397,554; Nov. 23. Class 6.

Rustain Products Incorporated, New York, N. Y. Rust and stain remover for bath tubs, sinks, and the like. Serial No. 397,052; Nov. 23. Class 4.

Salmina, F., & Co., Larkmead Station, Calif. Wines. Serial No. 395,722; Nov. 23. Class 47.

San Juan Islands Cannery, Friday Harbor, Wash. Canned vegetables—namely, peas. Serial No. 394,912; Nov. 23. Class 46.

Sasa Products Co. (See Whetzel, Frank A.)

Schwabacher, S., & Co., Inc., New York, N. Y. Russian mineral oil. Serial No. 395,356; Nov. 23. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Liquid fuel lamps. Serial No. 396,840; Nov. 23. Class 34.

Sears, Roebuck and Co., Chicago, Ill. Cameras. Serial No. 396,841; Nov. 23. Class 26.

Shellmar Products Company, Mount Vernon, Ohio. Curtains for windows. Serial No. 396,788; Nov. 23. Class 32.

Shyvers, Kenneth C., doing business as Shyvers Monark Company, Chicago, Ill. Coin chutes. Serial No. 386,666; Nov. 23. Class 23.

Siegel, Morris, Wilkes-Barre, Pa. Canned fruits, canned vegetables, canned fish, etc. Serial No. 394,558; Nov. 23. Class 46.

Skolnick, William, doing business as The Math-O-Lette Company, New Haven, Conn. Game apparatus. Serial No. 397,390; Nov. 23. Class 22.

Societe Cooperative Vigneronne des Grandes Caves Rishon le Zion and Zircon Jacob, Ltd., Richon le Zion, Palestine. Wines. Serial No. 390,293; Nov. 23. Class 47.

Société des Etablissements Sucrazote, Société Anonyme, Paris, France. Baiting paste for fishing. Serial No. 383,408; Nov. 23. Class 22.

Southern Oil Company of New York Inc., Horseheads, N. Y. Gasoline, kerosene, motor fuel oils, etc. Serial No. 395,739; Nov. 23. Class 15.

Spatz Bros., Inc., New York, N. Y. Raincoats, raincapes, and hats. Serial No. 389,388; Nov. 23. Class 39.

Spaulding-Moss Company, Boston, Mass. Blue prints, Van Dyke prints, photostat prints, etc. Serial No. 397,987; Nov. 23. Class 38.

Standard Brands Incorporated, New York, N. Y. Pudding and pie filling. Serial Nos. 397,459–60; Nov. 23. Class 46.

Steinberger Bros. Glove Corporation, New York, N. Y. Gloves and mittens. Serial No. 396,476; Nov. 23. Class 39.

Stetson, John B., Company, Philadelphia, Pa. Hats. Serial No. 392,719; Nov. 23. Class 39.

Swiss Chalet, Rochelle Park, N. J. Wines. Serial No. 394,763; Nov. 23. Class 47.

Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. Serial No. 394,644; Nov. 23. Class 38.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Chemical compounds used as welding fluxes. Serial No. 398,067; Nov. 23. Class 6.

Toc's Products Company, Inc., Syracuse, N. Y. Disinfectant, deodorant, bleach, etc. Serial No. 391,359; Nov. 23. Class 6.

Tricot Corp. of America, New York, N. Y. Underwear, hosiery, bathing suits, etc. Serial No. 397,428; Nov. 23. Class 39.

Trojan Publishing Corporation, New York, N. Y., assignor to Lone Ranger, Inc., Detroit, Mich. Periodical publication. Serial No. 388,554; Nov. 23. Class 38.

Union Fork & Hoe Company, The, Columbus, Ohio. Axes, cultivators, cutters, etc. Serial No. 388,876; Nov. 23. Class 23.

United Cast Stone Company, Bellevue, Mich. Artificial stone. Serial No. 395,323; Nov. 23. Class 12.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. Serial No. 397,884; Nov. 23. Class 38.

Van Slyke, G. W., & Horton, Inc., Kingston, N. Y. Cigars. Serial No. 398,135; Nov. 23. Class 17.

Vapo-Efrin Company, Inc., Portland, Oreg. Medicinal preparation. Serial No. 397,560; Nov. 23. Class 6.

Vimpep Foods, Inc., Cambridge, Md. Dog and cat food. Serial No. 397,781; Nov. 23. Class 46.

Vitalex Laboratories. (See Perdiz, Manuel P.)

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial No. 397,958 Nov. 23. Class 49.

Wamsutta Mills, New Bedford, Mass. Piece goods. Serial No. 396,850; Nov. 23. Class 42.

Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, etc. Serial No. 396,853; Nov. 23. Class 39.

Wenger, Harold A. E., doing business as Regnew Laboratories, Madison, Wis. Insect repellent material. Serial No. 397,633; Nov. 23. Class 6.

Whetzel, Frank A., doing business as Sasa Products Co., Portland, Oreg. Hair tonic, cold cream, shampoo, etc. Serial No. 390,392; Nov. 23. Class 6.

White, H. Kirk, and Company, Oconomowoc, Wis. Cleaning compound. Serial No. 395,887; Nov. 23. Class 4.

Wilber-Allen Laboratory. (See Nulf, George W.)

Williamsbridge Mills, Inc., New York, N. Y. Blouses, dresses and jackets. Serial No. 398,379; Nov. 23. Class 39.

Windt, Benn, New York, N. Y. Cough bon bons, cough confections, and cough syrups. Serial No. 397,465; Nov. 23. Class 6.

Wood, J. R., & Sons, Inc., Brooklyn, N. Y. Finger rings, bracelets, brooches, etc. Serial No. 396,380; Nov. 23. Class 28.

Wyomissing Glazed Paper Company, West Reading, Pa. Glazed paper. Serial No. 397,272; Nov. 23. Class 37.

Wyott Manufacturing Corporation, The, Cheyenne, Wyo. Liquid dispensers. Serial No. 395,252; Nov. 23. Class 23.

Zimmerman, Joseph L., doing business as Heart O'Beat Laboratory, Chicago, Ill. Medicinal tonic. Serial No. 389,290; Nov. 23. Class 6.

Zonite Products Corporation, New York, N. Y. Diaphragm pessary for vaginal use. Serial No. 397,318; Nov. 23. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

Aerocrete Corporation of America, The, New York, N. Y. Ingredient to be introduced in cement mixes. 352,286; Nov. 23; Serial No. 395,256; published Sept. 7, 1937. Class 12.

Ainsworth, George, New York, N. Y. Unitary electric lighting fixtures. 352,150; Nov. 23; Serial No. 385,502; published Sept. 7, 1937. Class 21.

Air Conditioning Textiles, Inc., New York, N. Y. Waterproof wrapping material. 352,227; Nov. 23; Serial No. 394,074; published Sept. 14, 1937. Class 37.

Akciová Společnost Továren na Fezy, also doing business as Fez Company Limited, Strakonice, Czechoslovakia. Wire cloths, felt jackets, etc., for machines. 352,167; Nov. 23; Serial No. 389,492; published Sept. 14, 1937. Class 23.

Alice in Wonderland Frocks, Inc., New York, N. Y. Dresses. 352,218; Nov. 23; Serial No. 393,834; published Sept. 14, 1937. Class 39.

Allcock Manufacturing Co. (See United Drug Company, assignor.)

American Lead Pencil Company, New York, N. Y., and Hoboken, N. J. Lead pencils. 352,250; Nov. 23; Serial No. 394,602; published Sept. 14, 1937. Class 37.

American Loose Leaf Mfg. Co., by change of name to The Wessel Company, Chicago, Ill. Combined order-sheet and envelop. 118,845; renewed Oct. 9, 1937.

Anemostat Corporation of America, New York, N. Y. Fan-driven ventilators, air diffusers, and air aspirators. 352,194; Nov. 23; Serial No. 392,514; published Sept. 14, 1937. Class 34.

Anthony, C. R., Company, Oklahoma City, Okla. Dress suits, overcoats, and top coats. 352,280; Nov. 23; Serial No. 395,184; published Sept. 14, 1937. Class 39.

Aqua-Sec Corporation, now by change of name to Ymba Corporation, assignor to Aqua-Sec Corporation, New York, N. Y. Mothproofing compound, insecticide, vermicide, etc. 352,163; Nov. 23; Serial No. 388,890; published Apr. 6, 1937. Class 6.

Arcade Malleable Iron Company, Worcester, Mass. Castings. 352,251; Nov. 23; Serial No. 394,693; published Sept. 14, 1937. Class 14.

Atlas Supply Company, Newark, N. J. White rubber tire adhesive, a self vulcanizing liquefied coating, etc. 352,205; Nov. 23; Serial No. 393,360; published Sept. 7, 1937. Class 5.

Ault & Wiborg Corporation, Cincinnati, Ohio, and New York, N. Y. Paints, varnishes, and paint enamels. 352,287; Nov. 23; Serial No. 395,259; published Sept. 14, 1937. Class 16.

Ayerst, McKenna & Harrison (United States) Limited, Rouses Point, N. Y. Unsaponifiable liquid fraction of wheat embryo. 352,175; Nov. 23; Serial No. 391,002; published Sept. 7, 1937. Class 6.

Bayside Fish Co., to Del Mar Canning Co., Monterey, Calif., successor. Sardines. 119,247; renewed Nov. 13, 1937.

Beckwith, Mary P., New York, N. Y. Pottery vases and bottles. 352,219; Nov. 23; Serial No. 393,836; published Sept. 14, 1937. Class 30.

Berlinger, Joseph, Co., New York, N. Y. Dress fabrics. 352,220; Nov. 23; Serial No. 393,837; published Sept. 14, 1937. Class 42.

Berry Bros. Co., London, England. Rum. 352,195; Nov. 23; Serial No. 392,673; published Sept. 7, 1937. Class 49.

Blue Ridge Glass Corporation, Kingsport, Tenn. Blackboards. 352,151; Nov. 23; Serial No. 385,875; published Sept. 14, 1937. Class 50.

Bowes Seal Fast Corporation, Indianapolis, Ind. Portable patching-kits for mending pneumatic tires, etc. 352,149; Nov. 23; Serial No. 385,379; published Sept. 14, 1937. Class 35.

Boynton & Company, Chicago, Ill. Handles and backs for clothes, hair, crumb, and hat brushes. 352,288; Nov. 23; Serial No. 395,265; published Sept. 14, 1937. Class 29.

Breon, George A., & Co., Inc., Kansas City, Mo. Tablets for internal medication. 352,225; Nov. 23; Serial No. 394,015; published Sept. 7, 1937. Class 6.

Brown-McDonald Co., Hastings, Nebr. Shirts, undershorts, hats, etc. 352,267; Nov. 23; Serial No. 395,014; published Sept. 7, 1937. Class 39.

Bucyrus Company, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Cutlery, machinery, and tools, and parts thereof. 120,945; renewed Mar. 19, 1938.

Buddy Knitwear, Inc., New York, N. Y. Ladies', misses', and children's knitted sweaters, suits, pullovers, etc. 352,256; Nov. 23; Serial No. 394,779; published Sept. 14, 1937. Class 39.

Bureau of National Affairs, Incorporated, The, Washington, D. C. Periodical publications. 352,279; Nov. 23; Serial No. 395,165; published Sept. 14, 1937. Class 38.

Burroughs Wellcome & Co. (U. S. A.) Inc. (See Wellcome, Henry S., assignor.)

Calgon, Inc., Pittsburgh, Pa. Detergent chemical compound. 352,169–70; Nov. 23; Serial Nos. 390,687–8; published Sept. 7, 1937. Class 4.

Capital City Products Company, The, Columbus, Ohio. Shortening oleomargarine. 352,295; Nov. 23; Serial No. 395,444; published Sept. 14, 1937. Class 46.

Carson Pirie Scott & Company, Chicago, Ill. Hosiery. 352,181; Nov. 23; Serial No. 391,085; published Sept. 14, 1937. Class 39.

Cave Springs Distillery Corporation, Inc., Wilder, Ky. Whiskey. 352,304; Nov. 23; Serial No. 395,748; published Sept. 7, 1937. Class 49.

Central Popcorn Company, Schaller, Iowa. Pop corn. 352,245; Nov. 23; Serial No. 394,576; published Sept. 14, 1937. Class 46.

Chemische Fabrik R. Baumheier, Aktiengesellschaft, Oschatz-Zschollau, Germany. Technical emulsions. 352,155; Nov. 23; Serial No. 387,026; published Sept. 7, 1937. Class 6.

Chemische Fabrik R. Baumheier, Aktiengesellschaft, Oschatz-Zschollau, Germany. Textile dyeing auxiliaries and finishing agents. 352,156–8; Nov. 23; Serial Nos. 387,027–29; published Sept. 7, 1937. Class 6.

Chevy Chase Modes, Inc., New York, N. Y. Coats, suits, dresses, etc. 352,180; Nov. 23; Serial No. 391,445; published Sept. 7, 1937. Class 39.

Chicago Association of Dress Manufacturers, The, Chicago, Ill. Periodical publication. 352,289; Nov. 23; Serial No. 395,280; published Sept. 14, 1937. Class 38.

Chicago Pharmacal Co., Chicago, Ill. Preparations used in the treatment of nervous debility, malaise, etc. 352,224; Nov. 23; Serial No. 393,973; published Sept. 7, 1937. Class 6.

Chicago Printed String Company. (See Weiner, Carl, assignor.)

Clark, J. R., Company, Minneapolis, Minn. Cedar chests. 120,845; renewed Mar. 12, 1938.

Cohen, Goldman & Co. Inc., New York, N. Y. Men's, boys', and children's outer garments. 352,265; Nov. 23; Serial No. 394,978; published Sept. 14, 1937. Class 39.

Cohn-Hall-Marx Co., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 352,308; Nov. 23. Class 42.

Colotyle Corporation, Seattle, Wash. Hard-board wall covering material in tile and plain patterns. 352,212; Nov. 23; Serial No. 393,698; published Sept. 7, 1937. Class 12.

Community Manufacturing Company, Sullivan, Ill. Dresses. 352,226; Nov. 23; Serial No. 394,023; published Sept. 14, 1937. Class 39.

Cone Export and Commission Company, New York, N. Y. Flannel or flannelette. 352,148; Nov. 23; Serial No. 385,034; published Jan. 19, 1937. Class 42.

Consorzio per la Difesa del Vino Tipico del Chianti e della sua Marca di Origine, Firenze, Italy. Wine. 352,136; Nov. 23; Serial No. 347,441; published Sept. 14, 1937. Class 47.

Container Corporation of America, Chicago, Ill. Folding cartons. 352,235; Nov. 23; Serial No. 394,321; published Sept. 14, 1937. Class 2.

Continental Lithograph Corporation, Cleveland, Ohio. Prints, lithographs, posters, etc. 352,231; Nov. 23; Serial No. 394,271; published Sept. 14, 1937. Class 38.

Converse & Company, by change of name to Fruit of the Loom Mills, Inc., New York, N. Y. Cotton piece goods. 119,668–70; renewed Dec. 11, 1937.

Converse & Company, by change of name to Fruit of the Loom Mills, Inc., New York, N. Y. Cotton piece goods. 120,073; renewed Jan. 8, 1938.

Cook Paint & Varnish Company, North Kansas City, Mo. Ready-mixed paints. 352,322; Nov. 23. Class 16.

Coronet Underthings, Inc., New York, N. Y. Slips, nightgowns, pajamas, etc. 352,275; Nov. 23; Serial No. 395,125; published Sept. 14, 1937. Class 39.

Crane Packing Company, Chicago, Ill. Metallic packing. 121,047; renewed Apr. 2, 1938.

Cummins, Harry D., Pasadena, Calif. Furniture stain remover. 352,187; Nov. 23; Serial No. 392,261; published June 29, 1937. Class 4.

D-Flo Chemical Co. (See Fletcher, Asa E.)

Dainty Maid Slippers, Inc., Brooklyn, N. Y. Shoes and slippers. 352,215; Nov. 23; Serial No. 393,800; published Aug. 10, 1937. Class 39.

Del Mar Canning Co. (See Bayside Fish Co.)

Dennis, W. J., & Company, Chicago, Ill. Weather-stripping. 119,055; renewed Oct. 23, 1937.

Dennis, W. J., & Company, Chicago, Ill. Squeegee window-cleaners. 119,056; renewed Oct. 23, 1937.

Diamond Automotive Products Company. (See Macsata, Julius.)

Diamond Straw Corp., New York, N. Y. Drink sippers. 352,188; Nov. 23; Serial No. 392,351; published Sept. 14, 1937. Class 50.

Dinhofer Bros., to Dinhofer Bros., Inc., New York, N. Y., successor. Articles made wholly or partly of or plated with precious metal. 121,172; renewed Apr. 16, 1938.

Domestic Engineering Company, Chicago, Ill. Periodical. 352,290; Nov. 23; Serial No. 395,332; published Sept. 14, 1937. Class 38.

Duhrkop Oven Company, Inc., New York, N. Y. Ovens. 352,182; Nov. 23; Serial No. 391,690; published Sept. 14, 1937. Class 34.

Eagle Pencil Company, New York, N. Y. Mechanical lead pencils. 352,142; Nov. 23; Serial No. 380,192; published Sept. 14, 1937. Class 37.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Adhesive wafers. 352,319; Nov. 23. Class 37.

Ehrlich, H., & Sons Manufacturing Company, St. Joseph, Mo. Paint or enamel finish. 352,201; Nov. 23; Serial No. 393,268; published Sept. 14, 1937. Class 16.

Elder and Johnston Company, The, Dayton, Ohio. Women's hosiery. 352,141; Nov. 23; Serial No. 379,684; published Sept. 14, 1937. Class 39.

Englander, Jacob, doing business as Federal Products Co., Newark, N. J. Whiskey, gin, rum, etc. 352,137; Nov. 23; Serial No. 360,406; published Apr. 23, 1935. Class 49.

Eraso Manufacturing Co., Chicago, Ill. Abrasive, detergent, and polishing materials. 119,286; renewed Nov. 13, 1937.

Etablissements Bouillon Frères (Société à responsabilité limitée), Paris, France. Fire extinguishers for use on automobiles, aeroplanes, etc. 352,161; Nov. 23; Serial No. 388,708; published Sept. 14, 1937. Class 23.

Evans, David, doing business as Lauer Sisters, Chicago, Ill. Cooked meats, cheese, coffee, etc. 352,211; Nov. 23; Serial No. 393,640; published Sept. 14, 1937. Class 46.

Evening Star Newspaper Company, The, Washington, D. C. Newspaper feature. 352,282; Nov. 23; Serial No. 395,227; published Sept. 14, 1937. Class 38.

Exhibit Supply Company, Chicago, Ill. Coin-controlled merchandise vending machines. 352,311; Nov. 23. Class 23.

Exposed Publishing Co., New York, N. Y. Periodical. 352,298; Nov. 23; Serial No. 395,473; published Sept. 14, 1937. Class 38.

Fairbanks, Morse & Co., Chicago, Ill. Laundry washing machines and ironing machines. 352,246; Nov. 23; Serial No. 394,595; published Sept. 7, 1937. Class 24.

Fairfield Pharmacal Corporation, The, Westport, Conn. Preparation for revivifying the human system, etc. 352,183; Nov. 23; Serial No. 391,692; published Sept. 7, 1937. Class 6.

Federal Products Co. (See Englander, Jacob.)

Fez Company Limited. (See Akciová Společnost Továren Na Fezy.)

Fields, Minnie. (See Mellcow, Jacob, assignor.)

Firth Carpet Company, The, New York, N. Y. Carpets and rugs. 352,268; Nov. 23; Serial No. 395,026; published Sept. 14, 1937. Class 42.

Fletcher, Asa E., doing business as D-Flo Chemical Co., Omaha, Nebr. Chemical preparation for preserving animal trophies. 352,178; Nov. 23; Serial No. 391,210; published Sept. 7, 1937. Class 6.

Forest City Brewery, Inc., Cleveland, Ohio. Ale. 352,276; Nov. 23; Serial No. 395,128; published Sept. 14, 1937. Class 48.

Foster, Benjamin, Company, Philadelphia, Pa. Asphaltic and bituminous compounds and refractory cements. 352,174; Nov. 23; Serial No. 391,001; published Sept. 7, 1937. Class 12.

Foster, Benjamin, Company, Philadelphia, Pa. Asphaltic and bituminous compounds. 352,269; Nov. 23; Serial No. 395,030; published Sept. 7, 1937. Class 12.

Foushee, Leonidas M., doing business as Le-Mer-Fo Laboratories, Burlington, N. C. Dental ointment. 352,277; Nov. 23; Serial No. 395,129; published Sept. 7, 1937. Class 6.

Fruit of the Loom Mills, Inc. (See Converse & Company.)

Fuld Bros., Baltimore, Md. Deodorant materials. 352,216; Nov. 23; Serial No. 393,804; published Sept. 7, 1937. Class 6.

Gable, Charles E., Detroit, Mich. Toy building blocks, games, and puzzles. 352,274; Nov. 23; Serial No. 395,106; published Sept. 14, 1937. Class 22.

General Cable Corporation, New York, N. Y. Electrical wires and cables. 352,147; Nov. 23; Serial No. 384,457; published Sept. 14, 1937. Class 21.

General Chemical Company, New York, N. Y. Chemical detergents. 352,262; Nov. 23; Serial No. 394,938; published Sept. 14, 1937. Class 4.

General Motors Corporation, Detroit, Mich. Electrical turn signals for automobiles and parts thereof. 352,166; Nov. 23; Serial No. 389,414; published Sept. 7, 1937. Class 21.

General Oil Burner Corporation, Baltimore, Md. Thermal insulation material. 352,239; Nov. 23; Serial No. 394,457; published Aug. 31, 1937. Class 12.

Georgene Novelties, Inc., New York, N. Y. Dolls. 352,305; Nov. 23; Serial No. 395,987; published Sept. 14, 1937. Class 22.

Georgia Granite Corporation, The, Elberton, Ga. Granite. 352,207; Nov. 23; Serial No. 393,482; published Sept. 14, 1937. Class 1.

Georgia Granite Corporation, The, Elberton, Ga. Stone monuments, stone memorials, stone tablets, and tombstones. 352,208; Nov. 23; Serial No. 393,483; published Sept. 14, 1937. Class 50.

Gottesman and Company, Incorporated, New York, N. Y. Wood pulp. 352,209; Nov. 23; Serial No. 393,591; published Sept. 14, 1937. Class 1.

Gould Dress Shoppe, Inc., New York, N. Y. Women's and misses' wearing apparel. 352,160; Nov. 23; Serial No. 388,614; published Aug. 10, 1937. Class 39.

Grabenheimer, H., & Sons, Inc., New Orleans, La. Whiskey. 352,278; Nov. 23; Serial No. 395,131; published Sept. 14, 1937. Class 49.

Graton & Knight Company. (See Shultz Belting Company, assignor.)

Gray, Dorothy, Salons, Bloomfield, N. J. Perfumes, eau de cologne, face powder, etc. 352,321; Nov. 23. Class 6.

Great Atlantic Laboratories. (See Slabine, Phillip.)

Green, J. B., Houston, Tex. Soft drink. 119,528; renewed Nov. 27, 1937.

Greenberg-Toback, Inc., New York, N. Y. Furs, fur skins, and pelts. 352,176; Nov. 23; Serial No. 391,066; published Sept. 14, 1937. Class 1.

Greenbros Incorporated, Cincinnati, Ohio. Alcoholic beverages. 352,206; Nov. 23; Serial No. 393,376; published Sept. 14, 1937. Class 49.

Greenpoint Metallic Bed Company, assignor to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y. Beds and cribs. 117,551; renewed July 17, 1937.

Hamlin, Dwight E., assignor to Dwight Hamlin Company, Pittsburgh, Pa. Food for horses and other live stock. 121,293; renewed Apr. 23, 1938.

Harvan Products Incorporated, New York, N. Y. Preparation for aiding reformation of parts of the human body. 352,184; Nov. 23; Serial No. 391,760; published Sept. 7, 1937. Class 6.

Haskell, Chas. C., & Co., Inc., Richmond, Va. Anesthetic ointment. 352,294; Nov. 23; Serial No. 395,412; published Sept. 7, 1937. Class 6.

Hearn Department Stores, Inc., New York, N. Y. Rum. 352,306; Nov. 23; Serial No. 396,079; published Sept. 14, 1937. Class 49.

Hendler, G., & Sons, Philadelphia, Pa. Skirts. 352,300; Nov. 23; Serial No. 395,526; published Sept. 14, 1937. Class 39.

Hildreth & Rogers Co., Lawrence, Mass. Daily newspaper. 352,272; Nov. 23; Serial No. 395,067; published Sept. 14, 1937. Class 38.

Holden, Dean H., Cleveland, Ohio. Electric lighting fixtures, electric lamps, electric switches, etc. 352,315; Nov. 23. Class 21.

Honoroff Laboratories, The, Chicago, Ill. Effervescent salt. 352,153; Nov. 23; Serial No. 386,881; published Sept. 7, 1937. Class 6.

Hooper, Wm. E., & Sons Company, Baltimore, Md. Waterproof, mildew resisting material intended to be applied as a coating to cotton, wool, etc. materials. 352,291; Nov. 23; Serial No. 395,346; published Sept. 7, 1937. Class 6.

Hopkins, J. L., & Co., New York, N. Y. Publication. 352,263; Nov. 23; Serial No. 394,943; published Sept. 14, 1937. Class 38.

Horder's Incorporated, Chicago, Ill. Typewriter ribbons and carbon papers. 352,179; Nov. 23; Serial No. 391,222; published Sept. 14, 1937. Class 11.

House of Westmore, Inc., The, Los Angeles, Calif. Cosmetics and manicure preparations, deodorants, mascara, etc. 352,258; Nov. 23; Serial No. 394,838; published Sept. 7, 1937. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Depolarization masses and dry cell batteries. 352,296; Nov. 23; Serial No. 395,449; published Sept. 14, 1937. Class 21.

Imperial Molded Products Corporation, Chicago, Ill. Philatelists' detectors. 352,159; Nov. 23; Serial No. 387,378; published Sept. 14, 1937. Class 26.

Inertol Co., Inc., New York, N. Y. Paint enamels, paints, varnishes, etc. 352,177; Nov. 23; Serial No. 391,181; published Sept. 14, 1937. Class 16.

International Looms Inc., New York, N. Y. Carpets, rugs, and upholstery fabrics. 352,299; Nov. 23; Serial No. 395,511; published Sept. 14, 1937. Class 42.

International Radio Corporation, Ann Arbor, Mich. Radio and television sending and receiving machines and parts. 352,247–8; Nov. 23; Serial Nos. 394,604–5; published Sept. 14, 1937. Class 21.

International Shoe Co., St. Louis, Mo. Boots and shoes. 352,283; Nov. 23; Serial No. 395,231; published Sept. 14, 1937. Class 39.

Jaymar Specialty Company, Brooklyn, N. Y. Problem game of numbers arranged in squares. 352,213; Nov. 23; Serial No. 393,764; published Sept. 14, 1937. Class 22.

Kabushiki Kaisha Teikokusha Zokiyaku Kenkyujo, Kawasaki, Kanagawa-Ken, Japan. Hormone preparations. 352,165; Nov. 23; Serial No. 389,132; published Sept. 7, 1937. Class 6.

Karnes, Lerner & Stitch, New York, N. Y. Fur coats. 352,164; Nov. 23; Serial No. 388,940; published Sept. 14, 1937. Class 39.

Katz Drug Company, Kansas City, Mo. Tooth brushes. 352,312; Nov. 23. Class 29.

Kaylon, Inc., New York, N. Y. Women's pajamas. 352,190; Nov. 23; Serial No. 392,432; published Sept. 14, 1937. Class 39.

Kayser, Julius, & Co., New York, N. Y. Fabric gloves. 352,198; Nov. 23; Serial No. 392,986; published Aug. 10, 1937. Class 39.

Keen, John H., Philadelphia, Pa. Column in a newspaper. 352,202; Nov. 23; Serial No. 393,284; published Sept. 14, 1937. Class 38.

Kilgore Manufacturing Company, The, Westerville, Ohio. Non-inflammable plastic toys. 352,203; Nov. 23; Serial No. 393,285; published Sept. 14, 1937. Class 22.

King Plow Company, Atlanta, Ga. Fertilizer-distributors, stalk cutter and plows, etc. 352,214; Nov. 23; Serial No. 393,768; published Sept. 7, 1937. Class 23.

Kohler Company, Kohler, Wis. Plumbing ware. 121,305; renewed Apr. 23, 1938.

Kraft Products Co., Altoona, Pa. Cleaning compounds. 352,230; Nov. 23; Serial No. 394,234; published Sept. 7, 1937. Class 4.

Kraftile Co., Niles, Calif. Tile. 352,232; Nov. 23; Serial No. 394,288; published Sept. 7, 1937. Class 12.

Kraus Bros. & Co. Inc., New York, N. Y. Whiskey. 352,253; Nov. 23; Serial No. 394,749; published Sept. 14, 1937. Class 49.

Krebs Pigment & Color Corporation, Wilmington, Del. Paint pigments. 352,301; Nov. 23; Serial No. 395,532; published Sept. 14, 1937. Class 16.

Kress, S. H., and Company, New York, N. Y. Toilet soap, soap, shaving soap, etc. 352,185; Nov. 23; Serial No. 391,765; published Sept. 7, 1937. Class 4.

Kress, S. H., and Company, New York, N. Y. Cleansing tissues, paper handkerchiefs, paper towels, etc. 352,186; Nov. 23; Serial No. 391,814; published Sept. 14, 1937. Class 37.

Lauer Sisters. (See Evans, David.)

Le-Mer-Fo Laboratories. (See Foushee, Leonidas M.)

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 352,241; Nov. 23; Serial No. 394,542; published Sept. 7, 1937. Class 6.

Lewis, Edgar P., & Sons, Inc., doing business as Town Hall Chocolate Co., Malden, Mass. Chocolates. 352,303; Nov. 23; Serial No. 395,674; published Sept 14, 1937. Class 46.

Lilly, Eli, and Company, The, by change of name to Eli Lilly and Company, Indianapolis, Ind. Hemostatics for local application. 119,739; renewed Dec. 11, 1937.

Logansport Machine, Inc., Logansport, Ind. Pumps. 352,313; Nov. 23. Class 23.

Lombard, Ayres & Company, assignor, by mesne assignments, to Tide Water Associated Oil Company, New York, N. Y. Illuminating oil. 14,958; re-renewed Nov. 22, 1937.

Los Angeles Soap Co., Los Angeles, Calif. Shampoo with a soap base. 352,259; Nov. 23; Serial No. 394,847; published Sept. 7, 1937. Class 6.

Ludlum Steel Co., Watervliet, N. Y. Metal faced panel board. 352,233; Nov. 23; Serial No. 394,294; published Sept. 7, 1937. Class 12.

Lyons-Magnus, Incorporated, doing business as the E. G. Lyons and Raas Company, San Francisco, Calif. Bases for use in making cocktails. 352,236; Nov. 23; Serial No. 394,377; published Sept. 14, 1937. Class 45.

Macsata, Julius, doing business as Diamond Automotive Products Company, Torrington, Conn. Automotive products. 352,257; Nov. 23; Serial No. 394,793; published Sept. 7, 1937. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Women's shoes. 352,200; Nov. 23; Serial No. 393,220; published Aug. 10, 1937. Class 39.

Manteca Canning Co., Stockton and Manteca, Calif., to Manteca Canning Co., Manteca, Calif. Foods. 120,886–7; renewed Mar. 12, 1938.

Marathon Rubber Company, Inc. (See Marathon Tire & Rubber Co., The, assignor.)

Marathon Tire & Rubber Co., The, Cuyahoga Falls, assignor to Marathon Rubber Company, Inc., Akron, Ohio. Rubber vehicle-tires. 120,508; renewed Feb. 12, 1938.

Maureen Chemical Co., Seattle, Wash. Slug and snail destroyer. 352,292; Nov. 23; Serial No. 395,350; published Sept. 7, 1937. Class 6.

McClintons Limited, Donaghmore, Ireland. Toilet preparations. 120,884; renewed Mar. 12, 1938.

Mellcow, Jacob, assignor to Minnie Fields, New York, N. Y. Predigested food and fermented milk preparation. 117,689; renewed July 24, 1937.

Meyers, Harry, Company, New York, N. Y. Living room tables, dining room tables, occasional tables, etc. 352,204; Nov. 23; Serial No. 393,341; published Sept. 14, 1937. Class 32.

Michels, Leon, Inc., Tuckerton, N. J. Oysters and clams. 352,260; Nov. 23; Serial No. 394,850; published Sept. 14, 1937. Class 46.

Modern Equipment Corporation, Defiance, Ohio. Air compressors. 352,221; Nov. 23; Serial No. 393,867; published Sept. 14, 1937. Class 23.

Moss, David L., & Co., Inc., New York, N. Y. Dried egg products. 352,191–2; Nov. 23; Serial Nos. 392,442–3; published Sept. 14, 1937. Class 46.

Moss, David L., & Co., Inc., New York, N. Y. Dried egg products. 352,193; Nov. 23; Serial No. 392,445; published Sept. 14, 1937. Class 46.

Munsingwear, Inc. (See Northwestern Knitting Co., The, assignor.)

Napthole, Inc., New York, N. Y. Concentrated cod liver oil. 352,171; Nov. 23; Serial No. 390,705; published Sept. 7, 1937. Class 6.

Nashua Gummed and Coated Paper Company, Nashua, N. H. Wrapping bands. 352,237; Nov. 23; Serial No. 394,420; published Sept. 14, 1937. Class 37.

National Glove Company, The, Columbus, Ohio. Gloves. 352,199; Nov. 23; Serial No. 393,084; published Sept. 14, 1937. Class 39.

National Lead Company, New York, N. Y. Red lead. 121,318; renewed Apr. 23, 1938.

National Lead Company, New York, N. Y. Linseed-oil. 121,319; renewed Apr. 23, 1938.

National Lead Company, New York, N. Y. Paints, pigmented enamels and lacquers. 352,273; Nov. 23; Serial No. 395,077; published Sept. 14, 1937. Class 16.

National Silver Deposit Ware Co. Inc., New York, N. Y. Cocktail shakers. 352,310; Nov. 23. Class 13.

Neville Company, The, Neville Island, Pa. Viscous oil. 352,172; Nov. 23; Serial No. 390,797; published Sept. 7, 1937. Class 6.

Neville Company, The, Neville Island, Pa. Viscous oil. 352,173; Nov. 23; Serial No. 390,801; published Sept. 7, 1937. Class 6.

Nobilitt-Sparks Industries, Inc., Columbus, Ind. Storage-battery chargers, room heaters, and radio receivers. 352,144; Nov. 23; Serial No. 381,166; published Sept. 14, 1937. Class 21.

North American Newspaper Alliance, Inc., New York, N. Y. Newspaper feature or column. 352,217; Nov. 23; Serial No. 393,815; published Aug. 31, 1937. Class 38.

Northwestern Knitting Co., assignor to Munsingwear, Inc., Minneapolis, Minn. Knitted and woven underwear. 120,993; renewed Mar. 19, 1938.

Nowland, George, Corporation, New York, N. Y. Sardines, shrimps, tuna fish, all canned. 352,139; Nov. 23; Serial No. 378,264; published Sept. 14, 1937. Class 46.

Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Electric elevator control switches and electrical signal devices. 352,284; Nov. 23; Serial No. 395,239; published Sept. 7, 1937. Class 21.

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. 352,228; Nov. 23; Serial No. 394,144; published Sept. 7, 1937. Class 6.

Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. 352,242–3; Nov. 23; Serial Nos. 394,545–6; published Sept. 14, 1937. Class 37.

Perlman, Abram, New York, N. Y. Rayon and acetate piece goods. 352,266; Nov. 23; Serial No. 394,997; published Sept. 14, 1937. Class 42.

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. 352,307; Nov. 23; Serial No. 396,204; published Sept. 14, 1937. Class 49.

Pioneer Manufacturing Co., Boston, Mass. Bath tub shower attachments. 352,314; Nov. 23. Class 13.

Plough, Abe, assignor to Plough, Inc., Memphis, Tenn. Ointments. 119,368; renewed Nov. 13, 1937.

Pratt Food Company, Philadelphia, Pa. Dog food. 352,249; Nov. 23; Serial No. 394,634; published Sept. 14, 1937. Class 46.

Pride Manufacturing Co. (See Rosoff, Harry B.)

Publishers Syndicate, Chicago, Ill. Newspaper comic strip cartoons. 352,254; Nov. 23; Serial No. 394,756; published Sept. 14, 1937. Class 38.

Purity Liquor Store Inc., Peoria, Ill. Whiskey. 352,154; Nov. 23; Serial No. 386,960; published Sept. 7, 1937. Class 49.

Putnam, Erle T., Detroit, Mich. Building blocks or units. 352,281; Nov. 23; Serial No. 395,203; published Sept. 7, 1937. Class 12.

Republic Pipe & Supply Corporation, Boston, Mass. Distillate range oil burners, gravity pot burners, etc. 352,140; Nov. 23; Serial No. 378,802; published Sept. 14, 1937. Class 34.

Rieser Company, Inc., The, New York, N. Y. Cleansing tissue. 352,238; Nov. 23; Serial No. 394,445; published Sept. 14, 1937. Class 37.

Robinson, William C., & Son Company, Baltimore, Md. Quenching-oil. 121,338; renewed Apr. 23, 1938.

Rosoff, Harry B., doing business as Pride Manufacturing Co., New York, N. Y. Apparatus for examining counterfeit currency bills. 352,223; Nov. 23; Serial No. 393,962; published Sept. 14, 1937. Class 26.

Ross Federal Service, Inc., New York, N. Y. Advertising billboard panels. 352,309; Nov. 23. Class 50.

Roth Silk Undergarment Company, New York, N. Y. Crepe and satin piece goods. 352,240; Nov. 23; Serial No. 394,470; published Sept. 14, 1937. Class 42.

Rubinstein, Helena, Inc., New York, N. Y. Astringents, face lotion, and a face mask. 352,210; Nov. 23; Serial No. 393,618; published Sept. 7, 1937. Class 6.

Ryder Hat Co. Incorporated, South Norwalk, Conn. Men's hats. 352,261; Nov. 23; Serial No. 394,862; published Sept. 7, 1937. Class 39.

Sayour, Elias, Co., Inc., New York, N. Y. Coats, robes, negligees, smocks, etc. 352,270; Nov. 23; Serial No. 395,051; published Sept. 14, 1937. Class 39.

Schiffman, M. W., & Co. Inc., New York, N. Y. Diamonds and diamond mountings. 352,234; Nov. 23; Serial No. 394,307; published Sept. 7, 1937. Class 28.

Schneider, Lou, Inc., New York, N. Y. Ladies' coats and suits. 352,264; Nov. 23; Serial No. 394,958; published Sept. 14, 1937. Class 39.

Scovill Manufacturing Company. (See Vulcanite Manufacturing Co.)

Sea Island Mills, Inc., New York, N. Y. Waterproofed woven piece goods. 352,162; Nov. 23; Serial No. 388,822; published Sept. 14, 1937. Class 50.

Seeman Brothers, Inc., New York, N. Y. Canned lima beans. 352,293; Nov. 23; Serial No. 395,357; published Sept. 14, 1937. Class 46.

Shear Coffee Company of Texas, The, Waco, Tex. Coffee. 352,146; Nov. 23; Serial No. 382,605; published Jan. 5, 1937. Class 46.

Schultz Belting Company, St. Louis, Mo., assignor to Graton & Knight Company, Worcester, Mass. Belting and belt-lacings. 121,215–6; renewed Apr. 16, 1938.

Slabine, Phillip, doing business as Great Atlantic Laboratories, Boston, Mass. Hair tonics. 352,152; Nov. 23; Serial No. 386,226; published Apr. 20, 1937. Class 6.

Sloat, Morris, New York, N. Y. Ladies' and misses' sweaters, skirts, blouses, etc. 352,271; Nov. 23; Serial No. 395,053; published Sept. 14, 1937. Class 39.

Sodamag Company, The. (See Solano, Louis L.)

Solano, Louis L., doing business as The Sodamag Company, New York, N. Y. Medicinal preparation. 352,285; Nov. 23; Serial No. 395,246; published Sept. 7, 1937. Class 6.

Standard Mailing Machines Company, Everett, Mass. Cleansing creams. 352,252; Nov. 23; Serial No. 394,733; published Sept. 7, 1937. Class 4.

Tannade Company, The, Chicago, Ill. Leather filler. 352,189; Nov. 23; Serial No. 392,397; published Sept. 7, 1937. Class 6.

Tanzi, Aurelio, doing business as Aurelio Tanzi Engineering Company, New York, N. Y. Machines for making noodles, spaghetti, etc. 352,302; Nov. 23; Serial No. 395,597; published Sept. 14, 1937. Class 23.

Taylor, W. A., & Co., New York, N. Y. Gin. 352,138; Nov. 23; Serial No. 369,937; published Aug. 11, 1936. Class 49.

Thompson, George O., doing business as Jimmy Thompson, Toronto, Ontario, Canada. Color feature page. 352,196; Nov. 23; Serial No. 392,820; published Sept. 14, 1937. Class 38.

Tide Water Associated Oil Company. (See Lombard, Ayres & Company, assignor.)

Tinnerman, George A., assignor to Albert H. Tinnerman, Cleveland, Ohio. Locking plates for screws and bolts. 352,168; Nov. 23; Serial No. 389,757; published Sept. 14, 1937. Class 13.

Tinnerman, George A., assignor to Albert H. Tinnerman, Cleveland, Ohio. Locking plates for screws and bolts. 352,197; Nov. 23; Serial No. 392,897; published Sept. 14, 1937. Class 13.

Town Hall Chocolate Co. (See Lewis, Edgar P., & Sons, Inc.)

United Drug Company, Boston, Mass. Granular effervescent analgesic preparations. 352,229; Nov. 23; Serial No. 394,203; published Sept. 7, 1937. Class 6.

United Drug Company, Boston, Mass., assignor to Allcock Manufacturing Co., Ossining, N. Y. Preparations for use in removing cuticle around finger and toe nails. 120,647; renewed Feb. 19, 1938.

Utility Dress Company, Philadelphia, Pa. Dresses. 352,316–18; Nov. 23. Class 39.

Vicmore Fur Co., Inc., Middletown, Del., and New York, N. Y. Fur coats of dyed coney. 352,255; Nov. 23; Serial No. 394,764; published Sept. 14, 1937. Class 39.

Vulcanite Manufacturing Co., Lindenhurst, N. Y., to Scovill Manufacturing Company, Waterbury, Conn., successor. Snap-fasteners. 119,145; renewed Oct. 23, 1937.

Wadsworth, Howland & Co., Incorporated, Boston, to Wadsworth, Howland & Company, Inc., Malden, Mass. Varnishes. 120,457; renewed Feb. 5, 1938.

Walles Dove-Hermiston Corporation, New York, N. Y. Light reflecting paint for walls, etc. 352,297; Nov. 23; Serial No. 395,464; published Sept. 14, 1937. Class 16.

Waltham Bag & Paper Company, Waltham, Mass. Paper bags and paper boxes. 119,147–8; renewed Oct. 23, 1937.

Warren, S. D., Company, Boston, Mass. Interleaving paper. 352,320; Nov. 23. Class 37.

Weiner, Carl, assignor to Chicago Printed String Company, Chicago, Ill. Cordage constructed from glued ribbons made of cotton. 119,150; renewed Oct. 23, 1937.

Wellcome, Henry S., London, England, assignor, by mesne assignments, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Therapeutic agents. 120,921; renewed Mar. 12, 1938.

Wessel Company, The. (See American Loose Leaf Mfg. Co.)

Wetterau, G. H., and Sons Grocer Co., St. Louis, Mo. Foods. 121,229; renewed Apr. 16, 1938.

Woolworth, F. W., Co., Philadelphia, Pa., and New York, N. Y. Infants' and children's dresses and creepers. 352,244; Nov. 23; Serial No. 394,566; published Sept. 14, 1937. Class 39.

Wooster Products Inc., Wooster, Ohio. Metal mouldings. 352,222; Nov. 23; Serial No. 393,926; published Sept. 7, 1937. Class 12.

Ymba Corporation. (See Aqua-Sec Corporation.)

Zeiss, Carl, Jena, Germany. Photographic objectives. 352,143; Nov. 23; Serial No. 381,013; published Sept. 7, 1937. Class 26.

Zion Talis Manufacturing Corp., New York, N. Y. Prayer shawls. 352,145; Nov. 23; Serial No. 381,825; published Aug. 31, 1937. Class 39.

LIST OF REGISTRANTS OF LABELS

A-Penn Oil Company, Butler, Pa. A-Penn Window and Glass Cleaner. For a Liquid Window and Glass Cleaner. 50,378; Nov. 23.

American Pop Corn Company, doing business as National Pop Corn Company, Sioux City, Iowa, and Lima, Ohio. Magic-Pop South American Pop Corn. For Pop Corn. 50,379; Nov. 23.

Clark-Milliner Company, Chicago, Ill. Three Sisters 5 Purpose Skin Tonic. For Skin Tonic. 50,380; Nov. 23.

Consolidated Charcoal Co., Inc., Brooklyn, N. Y. 3–C. For Charcoal. 50,381; Nov. 23.

Crispy Food Company, Cedar Rapids, Iowa. Crispy. For Potato Chips. 50,382; Nov. 23.

Daggett Chocolate Company, doing business as Marquise Chocolate Company, Cambridge, Mass. Lucerne. For Chocolates. 50,383; Nov. 23.

G. H. S. Corporation, New York, N. Y. Vogue Hair Foundation Roll. For Hair Foundation Rolls for Women. 50,384; Nov. 23.

Houseman, George A., Shreveport, La. NYS. For a Drink. 50,385; Nov. 23.

Johnson's Laboratories, New Orleans, La. Johnson's Hay Fever Relief. For an Eye Wash for Hay Fever Relief. 50,386; Nov. 23.

Johnson's Laboratories, New Orleans, La. Johnson's Hay Fever Relief. For an Ointment for Hay Fever Relief. 50,387; Nov. 23.

Marquise Chocolate Company. (See Daggett Chocolate Company.)

National Pop Corn Company. (See American Pop Corn Company.)

New Philadelphia Brewery, Inc., New Philadelphia, Ohio. O G the Perfect Beer. For Beer. 50,388; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Burgundy Wine. 50,389; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Grape Brandy. 50,390; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Muscatel Wine. 50,391; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Port Wine. 50,392; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Sauterne Wine. 50,393; Nov. 23.

Padre Vineyard Company, Los Angeles, Calif. Padre. For Sherry Wine. 50,394; Nov. 23.

Steiner, J. & M., Inc., Milwaukee, Wis. Red Ribbon. For Canned Tomatoes. 50,395; Nov. 23.

Transogram Company, Inc., Easton, Pa., and New York, N. Y. The Little Village Dress Shop. For Dresses for Dolls. 50,396; Nov. 23.

White & Wyckoff Mfg. Co., Holyoke, Mass. Pennant Series. For Pencil Tablets. 50,397; Nov. 23.

Windt Chemists, Inc., New York, N. Y. Cocilana Cough-Nips. For Cough Candy. 50,398; Nov. 23.

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Ask the Gentleman Who Pays. For Rugs and Carpets. 16,579; Nov. 23.

Clamp Nail Company, Chicago, Ill. There is Only One Genuine Clamp Nail. For Clamp Nails. 16,580; Nov. 23.

General Mills, Inc., Minneapolis, Minn. Why Larro Feeds Are Uniform. For Animal and Poultry Feeds. 16,581; Nov. 23.

Hoffman, S. L., & Co., Inc., New York, N. Y. Taper Snap Coat Dress. For Coat Dresses. 16,582; Nov. 23.

Hoffman, S. L., & Co., Inc., New York, N. Y. Taper-Snap Coat Dress. For Coat Dresses. 16,583; Nov. 23.

Schautz, William A., Advertising Agency, The, Scranton, Pa. 3 Extra Ingredients. For Bread. 16,584; Nov. 23.

Schautz, William A., Advertising Agency, The, Scranton, Pa. America Is On the Move. For Bread. 16,585; Nov. 23.

Simpson, George S., Co., Columbus, Ohio. The Sport of Kings. For An Indoor Game. 16,586; Nov. 23.

Terre Haute Tire Co., Inc., Terre Haute, Ind. Mace "Auto-B-My" Service. For Automotive Equipment. 16,587; Nov. 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Furs, fur skins, and pelts. Greenberg-Toback, Inc. 352,176; Nov. 23; Serial No. 391,066; published Sept. 14, 1937.

Granite, Georgia Granite Corporation. 352,207; Nov. 23; Serial No. 393,482; published Sept. 14, 1937.

Wood pulp. Gottesman and Company. 352,209; Nov. 23; Serial No. 393,591; published Sept. 14, 1937.

CLASS 2

Bags and paper boxes, Paper. Waltham Bag & Paper Company. 119,147–8; renewed Oct. 23, 1937.

Cartons, Folding. Container Corporation of America. 352,235; Nov. 23; Serial No. 394,321; published Sept. 14, 1937.

CLASS 4

Abrasive, detergent, and polishing materials. Eraso Manufacturing Co. 119,286; renewed Nov. 13, 1937.

Cleaning compounds. Kraft Products Co. 352,230; Nov. 23; Serial No. 394,234; published Sept. 7, 1937.

Creams, Cleansing. Standard Mailing Machines Company. 352,252; Nov. 23; Serial No. 394,733; published Sept. 7, 1937.

Detergents, Chemical. General Chemical Company. 352,262; Nov. 23; Serial No. 394,938; published Sept. 14, 1937.
Detergent chemical compound. Calgon, Inc. 352,169–70; Nov. 23; Serial Nos. 390,687–8; published Sept. 7, 1937.
Soap, toilet soap, shaving soap, etc. S. H. Kress and Company. 352,185; Nov. 23; Serial No. 391,765; published Sept. 7, 1937.
Stain remover, Furniture. H. D. Cummins. 352,187; Nov. 23; Serial No. 392,261; published June 29, 1937.

CLASS 5

Adhesive, a self vulcanizing liquefied coating, etc., White rubber tire. Atlas Supply Company. 352,205; Nov. 23; Serial No. 393,360; published Sept. 7, 1937.

CLASS 6

Analgesic preparations, Granular effervescent. United Drug Company. 352,229; Nov. 23; Serial No. 394,203; published Sept. 7, 1937.
Astringents, face lotion, and a face mask. Helena Rubinstein, Inc. 352,210; Nov. 23; Serial No. 393,618; published Sept. 7, 1937.
Astringents, astringent cerates, beauty and bleach creams, etc. Parfumerie St. Denis. 352,228; Nov. 23; Serial No. 394,144; published Sept. 7, 1937.
Automotive products. J. Macsata. 352,257; Nov. 23; Serial No. 394,793; published Sept. 7, 1937.
Chemical preparation for preserving animal trophies. A. E. Fletcher. 352,178; Nov. 23; Serial No. 391,210; published Sept. 7, 1937.
Cod liver oil, Concentrated. Napthole, Inc. 352,171; Nov. 23; Serial No. 390,705; published Sept. 7, 1937.
Cosmetics and manicure preparations, deodorants, mascara, etc. House of Westmore, Inc. 352,258; Nov. 23; Serial No. 394,838; published Sept. 7, 1937.
Deodorant materials. Fuld Bros. 352,216; Nov. 23; Serial No. 393,804; published Sept. 7, 1937.
Dyeing auxiliaries and finishing agents, Textile. Chemische Fabrik R. Baumheier Aktiengesellschaft. 352,156–8; Nov. 23; Serial Nos. 387,027–29; published Sept. 7, 1937.
Emulsions, Technical. Chemische Fabrik R. Baumheier, Aktiengesellschaft. 352,155; Nov. 23; Serial No. 387,026; published Sept. 7, 1937.
Filler, Leather. Tannade Company. 352,189; Nov. 23; Serial No. 392,397; published Sept. 7, 1937.
Hair tonics. P. Slabine. 352,152; Nov. 23; Serial No. 386,226; published Apr. 20, 1937.
Hemostatics for local application. Eli Lilly and Company. 119,739; renewed Dec. 11, 1937.
Hormone preparations. Kabushiki Kaisha Teikokusha Zokiyaku Kenkyujo. 352,165; Nov. 23; Serial No. 389,132; published Sept. 7, 1937.
Medicinal preparation. L. L. Solano. 352,285; Nov. 23; Serial No. 395,246; published Sept. 7, 1937.
Mothproofing compound, insecticide, vermicide, etc. Aqua-Sec Corporation. 352,163; Nov. 23; Serial No. 388,890; published Apr. 6, 1937.
Oil, Viscous. Neville Company. 352,172; Nov. 23; Serial No. 390,797; published Sept. 7, 1937.
Oil, Viscous. Neville Company. 352,173; Nov. 23; Serial No. 390,801; published Sept. 7, 1937.
Ointment, Anesthetic. Chas. C. Haskell & Co. 352,294; Nov. 23; Serial No. 395,412; published Sept. 7, 1937.
Ointment, Dental. L. M. Foushee. 352,277; Nov. 23; Serial No. 395,129; published Sept. 7, 1937.
Ointments. A. Plough. 119,368; renewed Nov. 13, 1937.
Perfumes and cosmetic creams. Lentheric, Incorporated. 352,241; Nov. 23; Serial No. 394,542; published Sept. 7, 1937.
Perfumes, eau de cologne, face powder, etc. Dorothy Gray Salons. 352,321; Nov. 23.
Preparation for aiding reformation of parts of the human body. Harvan Products Incorporated. 352,184; Nov. 23; Serial No. 391,760; published Sept. 7, 1937.
Preparation for revivifying the human system, etc. Fairfield Pharmacal Corporation. 352,183; Nov. 23; Serial No. 391,692; published Sept. 7, 1937.
Preparations for use in removing cuticle around finger and toe nails. United Drug Company. 120,647; renewed Feb. 19, 1938.
Preparations used in the treatment of nervous debility, malaise, etc. Chicago Pharmacal Co. 352,224; Nov. 23; Serial No. 393,973; published Sept. 7, 1937.
Salt, Effervescent. Honoroff Laboratories. 352,153; Nov. 23; Serial No. 386,881; published Sept. 7, 1937.
Shampoo with a soap base. Los Angeles Soap Co. 352,259; Nov. 23; Serial No. 394,847; published Sept. 7, 1937.
Slug and snail destroyer. Maureen Chemical Co. 352,292; Nov. 23; Serial No. 395,350; published Sept. 7, 1937.
Tablets for internal medication. George A. Breon & Co. 352,225; Nov. 23; Serial No. 394,015; published Sept. 7, 1937.
Therapeutic agents. H. S. Wellcome. 120,921; renewed Mar. 12, 1938.
Toilet preparations. McClintons Limited. 120,884; renewed Mar. 12, 1938.
Unsaponifiable liquid fraction of wheat embryo. Ayerst, McKenna & Harrison (United States) Limited. 352,175; Nov. 23; Serial No. 391,002; published Sept. 7, 1937.
Waterproof, mildew resisting material intended to be applied as a coating to cotton, wool, etc. materials. Wm. E. Hooper & Sons Company. 352,291; Nov. 23; Serial No. 395,346; published Sept. 7, 1937.

CLASS 7

Cordage constructed from glued ribbons made of cotton. C. Weiner. 119,150; renewed Oct. 23, 1937.

CLASS 11

Ribbons and carbon papers, Typewriter. Horder's Incorporated. 352,179; Nov. 23; Serial No. 391,222; published Sept. 14, 1937.

CLASS 12

Asphaltic and bituminous compounds. Benjamin Foster Company. 352,269; Nov. 23; Serial No. 395,030; published Sept. 7, 1937.
Asphaltic and bituminous compounds and refractory cements. Benjamin Foster Company. 352,174; Nov. 23; Serial No. 391,001; published Sept. 7, 1937.
Board, Metal faced panel. Ludlum Steel Co. 352,233; Nov. 23; Serial No. 394,294; published Sept. 7, 1937.
Building blocks or units. E. T. Putnam. 352,281; Nov. 23; Serial No. 395,203; published Sept. 7, 1937.
Ingredient to be introduced in cement mixes. Aerocrete Corporation of America. 352,286; Nov. 23; Serial No. 395,256; published Sept. 7, 1937.
Insulation material, Thermal. General Oil Burner Corporation. 352,239; Nov. 23; Serial No. 394,457; published Aug. 31, 1937.
Mouldings, Metal. Wooster Products Inc. 352,222; Nov. 23; Serial No. 393,926; published Sept. 7, 1937.
Tile. Kraftile Co. 352,232; Nov. 23; Serial No. 394,288; published Sept. 7, 1937.
Wall covering material in tile and plain patterns, Hardboard. Colortyle Corporation. 352,212; Nov. 23; Serial No. 393,698; published Sept. 7, 1937.
Weather-stripping. W. J. Dennis & Company. 119,055; renewed Oct. 23, 1937.

CLASS 13

Locking plates for screws and bolts. G. A. Tinnerman. 352,197; Nov. 23; Serial No. 392,897; published Sept. 14, 1937.
Locking plates for screws and bolts. G. A. Tinnerman. 352,168; Nov. 23; Serial No. 389,757; published Sept. 14, 1937.
Plumbing ware. Kohler Company. 121,305; renewed Apr. 23, 1938.
Shakers, Cocktail. National Silver Deposit Ware Co. Inc. 352,310; Nov. 23.
Shower attachments, Bath tub. Pioneer Manufacturing Co. 352,314; Nov. 23.

CLASS 14

Castings. Arcade Malleable Iron Company. 352,251; Nov. 23; Serial No. 394,693; published Sept. 14, 1937.

CLASS 15

Oil, Illuminating. Lombard-Ayres & Company. 14,958; re-renewed Nov. 22, 1937.
Oil, Quenching. William C. Robinson & Son Company. 121,338; renewed Apr. 23, 1938.

CLASS 16

Oil, Linseed. National Lead Company. 121,319; renewed Apr. 23, 1938.
Paint enamels, paints, varnishes, etc. Inertol Co. 352,177; Nov. 23; Serial No. 391,181; published Sept. 14, 1937.
Paint for walls, etc., Light reflecting. Walles Dove-Hermiston Corporation. 352,297; Nov. 23; Serial No. 395,464; published Sept. 14, 1937.
Paint or enamel finish. H. Ehrlich & Sons Manufacturing Company. 352,201; Nov. 23; Serial No. 393,268; published Sept. 14, 1937.
Paint pigments. Kress Pigment & Color Corporation. 352,301; Nov. 23; Serial No. 395,532; published Sept. 14, 1937.
Paints, pigmented enamels and lacquers. National Lead Company. 352,273; Nov. 23; Serial No. 395,077; published Sept. 14, 1937.
Paints, Ready-mixed. Cook Paint & Varnish Company. 352,322; Nov. 23.
Paints, varnishes, and paint enamels. Ault & Wiborg Corporation. 352,287; Nov. 23; Serial No. 395,259; published Sept. 14, 1937.
Red lead. National Lead Company. 121,318; renewed Apr. 23, 1938.
Varnishes. Wadsworth, Howland & Co. 120,457; renewed Feb. 5, 1938.

CLASS 21

Battery chargers, room heaters, and radio receivers, Storage. Noblitt-Sparks Industries, Inc. 352,144; Nov. 23; Serial No. 381,166; published Sept. 14, 1937.
Depolarization masses and dry cell batteries. I. G. Farbenindustrie Aktiengesellschaft. 352,296; Nov. 23; Serial No. 395,449; published Sept. 14, 1937.
Electric elevator control switches and electrical signal devices. Otis Elevator Company. 352,284; Nov. 23; Serial No. 395,239; published Sept. 7, 1937.

Electric lighting fixtures, electric lamps, electric switches, etc. D. H. Holden. 352,315; Nov. 23.
Electric lighting fixtures, Unitary. G. Ainsworth. 352,150; Nov. 23; Serial No. 385,502; published Sept. 7, 1937.
Electrical wires and cables. General Cable Corporation. 352,147; Nov. 23; Serial No. 384,457; published Sept. 14, 1937.
Radio and television sending and receiving machines and parts. International Radio Corporation. 352,247–8; Nov. 23; Serial Nos. 394,604–5; published Sept. 14, 1937.
Signals for automobiles and parts thereof, Electrical turn. General Motors Corporation. 352,166; Nov. 23; Serial No. 389,414; published Sept. 7, 1937.

CLASS 22

Dolls. Georgene Novelties, Inc. 352,305; Nov. 23; Serial No. 395,987; published Sept. 14, 1937.
Game of numbers arranged in squares, Problem. Jaymar Specialty Company. 352,213; Nov. 23; Serial No. 393,764; published Sept. 14, 1937.
Toy building blocks, games, and puzzles. C. E. Gable. 352,274; Nov. 23; Serial No. 395,106; published Sept. 14, 1937.
Toys, Non-inflammable plastic. Kilgore Manufacturing Company. 352,203; Nov. 23; Serial No. 393,285; published Sept. 14, 1937.

CLASS 23

Air compressors. Modern Equipment Corporation. 352,221; Nov. 23; Serial No. 393,867; published Sept. 14, 1937.
Cutlery, machinery, and tools and parts thereof. Bucyrus Company. 120,945; renewed Mar. 10, 1938.
Fertilizer-distributors, stalk cutter and plows, etc. King Plow Company. 352,214; Nov. 23; Serial No. 393,768; published Sept. 7, 1937.
Fire extinguishers for automobiles, aeroplanes, etc. Etablissements Bouillon Frères (Société à responsabilité limitée). 352,161; Nov. 23; Serial No. 388,708; published Sept. 14, 1937.
Machines for making noodles, spaghetti, etc. A. Tanzi. 352,302; Nov. 23; Serial No. 395,597; published Sept. 14, 1937.
Pumps. Logansport Machine, Inc. 352,313; Nov. 23.
Vending machines, Coin-controlled merchandise. Exhibit Supply Company. 352,311; Nov. 23.
Wire cloths, felt jackets, etc., for machines. Akciová Společnost Továren Na Fezy. 352,167; Nov. 23; Serial No. 389,492; published Sept. 14, 1937.

CLASS 24

Washing machines and ironing machines, Laundry. Fairbanks, Morse & Co. 352,246; Nov. 23; Serial No. 394,595; published Sept. 7, 1937.

CLASS 26

Apparatus for examining counterfeit currency bills. H. B. Roseff. 352,223; Nov. 23; Serial No. 393,962; published Sept. 14, 1937.
Detectors, Philatelist's. Imperial Molded Products Corporation. 352,159; Nov. 23; Serial No. 387,378; published Sept. 14, 1937.
Photographic objectives. Carl Zeiss. 352,143; Nov. 23; Serial No. 381,013; published Sept. 7, 1937.

CLASS 28

Articles made wholly or partly of or plated with precious metal. Dinhofer Bros. 121,172; renewed Apr. 16, 1938.
Diamonds and diamond mountings. M. W. Schiffman & Co. Inc. 352,234; Nov. 23; Serial No. 394,307; published Sept. 7, 1937.

CLASS 29

Handles and backs for clothes, hair, crumb, and hat brushes. Boynton & Company. 352,288; Nov. 23; Serial No. 395,265; published Sept. 14, 1937.
Squeegee window-cleaners. W. J. Dennis & Company. 119,056; renewed Oct. 23, 1937.
Tooth brushes. Katz Drug Company. 352,312; Nov. 23.

CLASS 30

Vases and bottles, Pottery. M. P. Beckwith. 352,219; Nov. 23; Serial No. 393,836; published Sept. 14, 1937.

CLASS 32

Beds and cribs. Greenpoint Metallic Bed Company. 117,551; renewed July 17, 1937.
Chests, Cedar. J. R. Clark Company. 120,845; renewed Mar. 12, 1938.
Tables, dining room tables, occasional tables, etc., Living room. Harry Meyers Company. 352,204; Nov. 23; Serial No. 393,341; published Sept. 14, 1937.

CLASS 34

Burners, gravity pot burners, etc., Distillate range oil. Republic Pipe & Supply Corporation. 352,140; Nov. 23; Serial No. 378,802; published Sept. 14, 1937.
Ovens. Duhrkop Oven Company. 352,182; Nov. 23; Serial No. 391,690; published Sept. 14, 1937.
Ventilators, air diffusers, and air aspirators, Fan-driven. Anemostat Corporation of America. 352,194; Nov. 23; Serial No. 392,514; published Sept. 14, 1937.

CLASS 35

Belting and belt-lacings. Shultz Belting Company. 121,215–6; renewed Apr. 16, 1938.
Packing, Metallic. Crane Packing Company. 121,047; renewed Apr. 2, 1938.
Patching kits for mending pneumatic tires, etc., Portable. Bowes Seal Fast Corporation. 352,149; Nov. 23; Serial No. 385,379; published Sept. 14, 1937.
Tires, Rubber vehicle. Marathon Tire & Rubber Co. 120,508; renewed Feb. 12, 1938.

CLASS 37

Adhesive wafers. Eastman Kodak Company. 352,319; Nov. 23.
Bands, Wrapping. Nashua Gummed and Coated Paper Company. 352,237; Nov. 23; Serial No. 394,420; published Sept. 14, 1937.
Order-sheet and envelop, Combined. American Loose Leaf Mfg. Co. 118,845; renewed Oct. 9, 1937.
Paper, Interleaving. S. D. Warren Company. 352,320; Nov. 23.
Pencils, Lead. American Lead Pencil Company. 352,250; Nov. 23; Serial No. 394,692; published Sept. 14, 1937.
Pencils, Mechanical lead. Eagle Pencil Company. 352,142; Nov. 23; Serial No. 380,192; Sept. 14, 1937.
Pens, mechanical pencils, and desk sets, Fountain. Parker Pen Company. 352,242–3; Nov. 23; Serial Nos. 394,545–6; published Sept. 14, 1937.
Tissue, Cleansing. Rieser Company. 352,238; Nov. 23; Serial No. 394,445; published Sept. 14, 1937.
Tissues, paper handkerchiefs, paper towels, Cleansing. S. H. Kress and Company. 352,186; Nov. 23; Serial No. 391,814; published Sept. 14, 1937.
Wrapping material, Waterproof. Air Conditioning Textiles, Inc. 352,227; Nov. 23; Serial No. 394,074; published Sept. 14, 1937.

CLASS 38

Column in a newspaper. J. H. Keen. 352,202; Nov. 23; Serial No. 393,284; published Sept. 14, 1937.
Feature page, Color. G. O. Thompson. 352,196; Nov. 23; Serial No. 392,820; published Sept. 14, 1937.
Newspaper comic strip cartoons. Publishers Syndicate. 352,254; Nov. 23; Serial No. 394,756; published Sept. 14, 1937.
Newspaper, Daily. Hildreth & Rogers Co. 352,272; Nov. 23; Serial No. 395,067; published Sept. 14, 1937.
Newspaper feature. Evening Star Newspaper Company. 352,282; Nov. 23; Serial No. 395,227; published Sept. 14, 1937.
Newspaper feature or column. North American Newspaper Alliance, Inc. 352,217; Nov. 23; Serial No. 393,815; published Aug. 31, 1937.
Periodical. Domestic Engineering Company. 352,290; Nov. 23; Serial No. 395,332; published Sept. 14, 1937.
Periodical. Exposed Publishing Co. 352,298; Nov. 23; Serial No. 395,473; published Sept. 14, 1937.
Prints, lithographs, posters, etc. Continental Lithograph Corporation. 352,231; Nov. 23; Serial No. 394,271; published Sept. 14, 1937.
Publication. J. L. Honkins & Co. 352,263; Nov. 23; Serial No. 394,943; published Sept. 14, 1937.
Publication, Periodical. Chicago Association of Dress Manufacturers. 352,289; Nov. 23; Serial No. 395,280; published Sept. 14, 1937.
Publications, Periodical. Bureau of National Affairs, Incorporated. 352,279; Nov. 23; Serial No. 395,165; published Sept. 14, 1937.

CLASS 39

Apparel, Women's and misses' wearing. Gould Dress Shoppe, Inc. 352,160; Nov. 23; Serial No. 388,614; published Aug. 10, 1937.
Boots and shoes. International Shoe Co. 352,283; Nov. 23; Serial No. 395,231; published Sept. 14, 1937.
Coats and suits, Ladies'. Lou Schneider, Inc. 352,264; Nov. 23; Serial No. 394,958; published Sept. 14, 1937.
Coats, Fur. Karnes, Lerner & Stich. 352,164; Nov. 23; Serial No. 388,940; published Sept. 14, 1937.
Coats of dyed coney, Fur. Viemore Fur Co. 352,255; Nov. 23; Serial No. 394,764; published Sept. 14, 1937.
Coats, robes, negligees, smocks, etc. Elias Sayour Co. 352,270; Nov. 23; Serial No. 395,051; published Sept. 14, 1937.
Coats, suits, dresses, etc. Chevy Chase Modes, Inc. 352,180; Nov. 23; Serial No. 391,445; published Sept. 7, 1937.
Dresses. Alice in Wonderland Frocks, Inc. 352,218; Nov. 23; Serial No. 393,834; published Sept. 14, 1937.
Dresses. Community Manufacturing Company. 352,226; Nov. 23; Serial No. 394,023; published Sept. 14, 1937.

Dresses. Utility Dress Company. 352,316–18; Nov. 23.
Dresses and creepers, Infants' and children's. F. W. Woolworth Co. 352,244; Nov. 23; Serial No. 394,566; published Sept. 14, 1937.
Garments, Men's, boys' and children's outer. Cohen, Goldman & Co. Inc. 352,265; Nov. 23; Serial No. 394,978; published Sept. 14, 1937.
Gloves. National Glove Company. 352,199; Nov. 23; Serial No. 393,084; published Sept. 14, 1937.
Gloves, Fabric. Julius Kayser & Co. 352,198; Nov. 23; Serial No. 392,986; published Aug. 10, 1937.
Hats, Men's. Ryder Hat Co. Incorporated. 352,261; Nov. 23; Serial No. 394,862; published Sept. 7, 1937.
Hosiery. Carson Pirie Scott & Company. 352,181; Nov. 23; Serial No. 391,685; published Sept. 14, 1937.
Hosiery, Women's. Elder and Johnston Company. 352,141; Nov. 23; Serial No. 379,684; published Sept. 14, 1937.
Pajamas, Women's. Kaylon, Inc. 352,190; Nov. 23; Serial No. 392,432; published Sept. 14, 1937.
Shawls, Prayer. Zion Talis Manufacturing Corp. 352,145; Nov. 23; Serial No. 381,825; published Aug. 31, 1937.
Shirts, undershorts, hats, etc. Brown-McDonald Co. 352,267; Nov. 23; Serial No. 395,014; published Sept. 7, 1937.
Shoes and slippers. Dainty Maid Slippers, Inc. 352,215; Nov. 23; Serial No. 393,800; published Aug. 10, 1937.
Shoes, Women's. R. H. Macy & Co. 352,200; Nov. 23; Serial No. 393,220; published Aug. 10, 1937.
Skirts. G. Hendler & Sons. 352,300; Nov. 23; Serial No. 395,526; published Sept. 14, 1937.
Slips, nightgowns, pajamas, etc. Coronet Underthings, Inc. 352,275; Nov. 23; Serial No. 395,125; published Sept. 14, 1937.
Suits, overcoats, and top coats, Dress. C. R. Anthony Company. 352,280; Nov. 23; Serial No. 395,184; published Sept. 14, 1937.
Sweaters, skirts, blouses, etc., Ladies' and misses'. M. Sloat. 352,271; Nov. 23; Serial No. 395,053; published Sept. 14, 1937.
Sweaters, suits, pullovers, etc., Ladies', misses', and children's knitted. Buddy Knitwear, Inc. 352,256; Nov. 23; Serial No. 394,779; published Sept. 14, 1937.
Underwear, Knitted and woven. Northwestern Knitting Co. 120,993; renewed Mar. 19, 1938.

CLASS 40

Snap-fasteners. Vulcanite Manufacturing Co. 119,145; renewed Oct. 23, 1937.

CLASS 42

Carpets and rugs. Firth Carpet Company. 352,268; Nov. 23; Serial No. 395,026; published Sept. 14, 1937.
Carpets, rugs, and upholstery fabrics. International Looms Inc. 352,299; Nov. 23; Serial No. 395,511; published Sept. 14, 1937.
Cotton piece goods. Converse & Company. 119,668–70; renewed Dec. 11, 1937.
Cotton piece goods. Converse & Company. 120,073; renewed Jan. 8, 1938.
Cotton, rayon, acetate, and/or silk piece goods. Cohn-Hall-Marx Co. 352,308; Nov. 23.
Crepe and satin piece goods. Roth Silk Undergarment Company. 352,240; Nov. 23; Serial No. 394,470; published Sept. 14, 1937.
Fabrics, Dress. Joseph Berlinger Co. 352,220; Nov. 23; Serial No. 393,837; published Sept. 14, 1937.
Flannel or flannelette. Cone Export and Commission Company. 352,148; Nov. 23; Serial No. 385,034; published Jan. 19, 1937.
Rayon and acetate piece goods. A. Perlman. 352,266; Nov. 23; Serial No. 394,997; published Sept. 14, 1937.

CLASS 45

Bases for use in making cocktails. Lyons-Magnus, Incorporated. 352,236; Nov. 23; Serial No. 394,377; published Sept. 14, 1937.
Drink, Soft. J. B. Green. 119,528; renewed Nov. 27, 1937.

CLASS 46

Canned lima beans. Seeman Brothers, Inc. 352,293; Nov. 23; Serial No. 395,357; published Sept. 14, 1937.
Chocolates. Edgar P. Lewis & Sons, Inc. 352,303; Nov. 23; Serial No. 395,674; published Sept. 14, 1937.
Coffee. Shear Coffee Company of Texas. 352,146; Nov. 23; Serial No. 382,605; published Jan. 5, 1937.
Egg products, Dried. David L. Moss & Co. 352,191–2; Nov. 23; Serial Nos. 392,442–3; published Sept. 14, 1937.
Egg products, Dried. David L. Moss & Co. 352,193; Nov. 23; Serial No. 392,445; published Sept. 14, 1937.
Food and fermented milk preparation, Predigested. J. Mellcow. 117,689; renewed July 24, 1937.
Food, Dog. Pratt Food Company. 352,249; Nov. 23; Serial No. 394,634; published Sept. 14, 1937.
Food for horses and other live stock. D. E. Hamlin. 121,293; Renewed Apr. 23, 1938.
Foods. Mantéca Canning Co. 120,886–7; renewed Mar. 12, 1938.
Foods. G. H. Wetteran and Sons Grocer Co. 121,229; renewed Apr. 16, 1938.
Meats, Cooked. D. Evans. 352,211; Nov. 23; Serial No. 393,640; published Sept. 14, 1937.
Oleomargarine, Shortening. Capital City Products Company. 352,295; Nov. 23; Serial No. 395,444; published Sept. 14, 1937.
Oysters and clams. Leon Michels, Inc. 352,260; Nov. 23; Serial No. 394,850; published Sept. 14, 1937.
Pop corn. Central Popcorn Company. 352,245; Nov. 23; Serial No. 394,576; published Sept. 14, 1937.
Sardines. Bayside Fish Co. 119,247; renewed Nov. 13, 1937.
Sardines, shrimps, tuna fish, all canned. George Nowland Corporation. 352,139; Nov. 23; Serial No. 378,264; published Sept. 14, 1937.

CLASS 47

Wine. Consorzio per la Difesa del Vino Tipico del Chianti e della sua Marca di Origine. 352,136; Nov. 23; Serial No. 347,441; published Sept. 14, 1937.

CLASS 48

Ale. Forest City Brewery, Inc. 352,276; Nov. 23; Serial No. 395,128; published Sept. 14, 1937.

CLASS 49

Beverages, Alcoholic. Greenbros Incorporated. 352,206; Nov. 23; Serial No. 393,376; published Sept. 14, 1937.
Gin. W. A. Taylor & Co. 352,138; Nov. 23; Serial No. 369,937; published Aug. 11, 1936.
Rum. Berry Bros. Co. 352,195; Nov. 23; Serial No. 392,673; published Sept. 7, 1937.
Rum. Hearn Department Stores, Inc. 352,306; Nov. 23; Serial No. 396,079; published Sept. 14, 1937.
Whiskey. Cave Springs Distillery Corporation. 352,304; Nov. 23; Serial No. 395,748; published Sept. 7, 1937.
Whiskey. H. Grabenheimer & Sons, Inc. 352,278; Nov. 23; Serial No. 395,131; published Sept. 14, 1937.
Whiskey. Kraus Bros. & Co. Inc. 352,253; Nov. 23; Serial No. 394,749; published Sept. 14, 1937.
Whiskey. Ed. Phillips & Sons Company. 352,307; Nov. 23; Serial No. 396,204; published Sept. 14, 1937.
Whiskey. Purity Liquor Store, Inc. 352,154; Nov. 23; Serial No. 386,960; published Sept. 7, 1937.
Whiskey, gin, rum, etc. J. Englander. 352,137; Nov. 23; Serial No. 360,406; published Apr. 23, 1935.

CLASS 50

Billboard panels, Advertising. Ross Federal Service, Inc. 352,309; Nov. 23.
Blackboards. Blue Ridge Glass Corporation. 352,151; Nov. 23; Serial No. 385,875; published Sept. 14, 1937.
Monuments, stone memorials, stone tablets, and tombstones, Stone. Georgia Granite Corporation. 352,208; Nov. 23; Serial No. 393,483; published Sept. 14.
Sippers, Drink. Diamond Straw Corp. 352,188; Nov. 23; Serial No. 392,351; published Sept. 14, 1937.
Waterproofed woven piece goods. Sea Island Mills, Inc. 352,162; Nov. 23; Serial No. 388,822; published Sept. 14, 1937.

LIST OF LABELS

A-penn Window and Glass Cleaner. For a Liquid Window and Glass Cleaner. A-Penn Oil Company. 50,378; Nov. 23.
Cocliana Cough-Nips. For Cough Candy. Windt Chemists, Inc. 50,398; Nov. 23.
Crispy. For Potato Chips. Crispy Food Company. 50,382; Nov. 23.
Johnson's Hay Fever Relief. For an Eye Wash for Hay Fever Relief. Johnson's Laboratories. 50,386; Nov. 23.
Johnson's Hay Fever Relief. For an Ointment for Hay Fever Relief. Johnson's Laboratories. 50,387; Nov. 23.
Lucerne. For Chocolates. Daggett Chocolate Company. 50,383; Nov. 23.
Magic-Pop South American Pop Corn. For Pop Corn. American Pop Corn Company. 50,379; Nov. 23.
NYS. For a Drink. G. A. Houseman. 50,385; Nov. 23.
O G the Perfect Beer. For Beer. New Philadelphia Brewery, Inc. 50,388; Nov. 23.
Padre. For Burgundy Wine. Padre Vineyard Company. 50,389; Nov. 23.
Padre. For Grape Brandy. Padre Vineyard Company. 50,390; Nov. 23.
Padre. For Muscatel Wine. Padre Vinyard Company. 50,391; Nov. 23.

Padre. For Port Wine. Padre Vineyard Company. 50,392; Nov. 23.
Padre. For Sauterne Wine. Padre Vineyard Company. 50,393; Nov. 23.
Padre. For Sherry Wine. Padre Vineyard Company. 50,394; Nov. 23.
Pennant Series. For Pencil Tablets. White & Wyckoff Mfg. Co. 50,397; Nov. 23.
Red Ribbon. For Canned Tomatoes. J. & M. Steiner, Inc. 50,395; Nov. 23.
The Little Village Dress Shop. For Dresses for Dolls. Transogram Company, Inc. 50,396; Nov. 23.
3-C. For Charcoal. Consolidated Charcoal Co. 50,381; Nov. 23.
Three Sisters 5 Purpose Skin Tonic. For Skin Tonic. Clark-Millner Company. 50,380; Nov. 23.
Vogue Hair Foundation Roll. For Hair Foundation Rolls for Women. G. H. S. Corporation. 50,384; Nov. 23.

LIST OF PRINTS

America is on the Move. For Bread. William A. Schautz Advertising Agency. 16,585; Nov. 23.
Ask the Gentleman Who Pays. For Rugs and Carpets. Bigelow-Sanford Carpet Co. Inc. 16,579; Nov. 23.
Mace "Auto-B-My" Service. For Automotive Equipment. Terre Haute Tire Co. 16,587; Nov. 23.
Taper Snap Coat Dress. For Coat Dresses. S. L. Hoffman & Co. 16,582; Nov. 23.
Taper-Snap Coat Dress. For Coat Dresses. S. L. Hoffman & Co. 16,583; Nov. 23.
The Sport of Kings. For an Indoor Game. George S. Simpson Co. 16,586; Nov. 23.
There is Only One Genuine Clamp Nail. For Clamp Nails. Clamp Nail Company. 16,580; Nov. 23.
3 Extra Ingredients. For Bread. William A. Schautz Advertising Agency. 16,584; Nov. 23.
Why Larro Feeds are Uniform. For Animal and Poultry Feeds. General Mills, Inc. 16,581; Nov. 23.

LIST OF PLANT PATENTEES

Nicolas, Jean H., assignor to Jackson & Perkins Company, Newark, N. Y. Rose. 264; Nov. 23.

Jackson & Perkins Company. (See Nicolas, Jean H., assignor.)

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Arenberg, Albert L., Highland Park, assignor to Patent License Corporation, Chicago, Ill. Combined sectional luggage rack and lighting fixture units. 107,062; Nov. 23.
Barnhart, Adam B., New York, N. Y., assignor to Jacqueline Cochran, doing business as J. C. Laboratories, Roselle, N. J. Cosmetic container. 107,145; Nov. 23.
Bemis, Kenneth E., Oakland, Calif. Store front. 107,107; Nov. 23.
Berger, Marie R., New York, N. Y. Dress. 107,181; Nov. 23.
Berger, Marie R., New York, N. Y. Dress. 107,182; Nov. 23.
Bernstein, Milton, Brooklyn, assignor to National Silver Company, New York, N. Y. Spoon or other similar article. 107,063; Nov. 23.
Blasi, Frank A., Newark, N. J. Pendant. 107,108; Nov. 23.
Bourjois, Inc. (See Helleu, Jean, assignor.)
Brooks, John W. H., Philadelphia, Pa. Textile fabric. 107,183; Nov. 23.
Broomhall, Vincent, assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio. Plate or similar article. 107,064; Nov. 23.
Brothers, Abe R., Brooklyn, N. Y. Necktie rack or the like. 107,146; Nov. 23.
Buffalo Jewelry Case Co. Inc. (See Jellinek, Irwin H., assignor.)
Buffett, Helena S., Honolulu, Hawaii. Sport shirt. 107,184; Nov. 23.
Carabillo, Ernest, Brooklyn, N. Y. Coffee bag or similar article. 107,065; Nov. 23.
Carter, John H., Bend, Oreg. Falling wedge. 107,109; Nov. 23.
Cavignac, Frank H., New York, assignor to M. P. Doughty, Lawrence, N. Y. Golf ball or the like. 107,066; Nov. 23.
Climax Radio & Television Co. (See Tulauskas, Leonard, assignor.)
Cochran, Jacqueline. (See Barnhart, Adam B., assignor.)
Columbian Enameling & Stamping Co. (See Rideout, John G., assignor.)
Cunningham, Andrew J., Snyder, N. Y. Goblet or similar article. 107,067; Nov. 23.
Dannecker, Rndolph, Beacon, N. Y. Textile fabric or similar article. 107,167; Nov. 23.
Doughty, Mervin P. (See Cavignac, Frank H., assignor.)
Duart Manufacturing Company. (See Schleimer, Floyd V., assignor.)
Efantes, Marie, New York, N. Y. Dress. 107,185; Nov. 23.
Efantes, Marie, New York, N. Y. Dress. 107,186; Nov. 23.
Efantes, Marie, New York, N. Y. Dress. 107,187; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,068; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,069; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,070; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,071; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,072; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,073; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,074; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,075; Nov. 23.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,168; Nov. 23.
Erickson, C. E., Company. (See Erickson, Ernest R., assignor.)
Erickson, Ernest R., assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa. Display rack for bread or similar article. 107,076; Nov. 23.
Fracchia, Pauline, New York, N. Y. Dress. 107,169; Nov. 23.
Fracchia, Pauline, New York, N. Y. Dress. 107,170; Nov. 23.
French, Harry C., Cleveland, Ohio. Combined nail file and pipe tamp. 107,147; Nov. 23.
Fried, Benjamin, New York, N. Y. Dress. 107,159; Nov. 23.
Fried, Benjamin, New York, N. Y. Dress. 107,188; Nov. 23.
Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Phonograph cabinet. 107,148; Nov. 23.
Garton, Clarence E., Sheboygan, Wis. Child's toy. 107,171; Nov. 23.
Gatchell, Helen C., and W. C. Hollister, Chicago, Ill. Font of type. 107,077; Nov. 23.
General Time Instruments Corporation. (See Schlenker, Max, assignor.)
Gentner, Frederich, Philadelphia, Pa. Curtain. 107,189; Nov. 23.
Gill, Edward H., assignor to A. A. Kramer, Kansas City, Mo. Semitrailer tank body. 107,149; Nov. 23.
Glida Corp. of America. (See Strongson, Herman L., assignor.)
Goldsmith, Samuel R., New York, N. Y. Handbag. 107,150; Nov. 23.
Guild, Lurelle, Noroton, Conn. Cooking pot or similar article. 107,078; Nov. 23.
Hall, Mercedes, New York, N. Y. Dress. 107,190; Nov. 23.
Hall, Mercedes, New York, N. Y. Dress. 107,191; Nov. 23.
Hedfield, Reynolds T., and H. Seegers, assignors to Jas. P. Marsh Corporation, Chicago, Ill. Temperature indicator or similar article. 107,079; Nov. 23.
Helleu, Jean, Paris, France, assignor to Bourjois, Inc., New York, N. Y. Shaving soap container. 107,151; Nov. 23.
Hollister, William C. (See Gatchell, H. C., and Hollister.)
Hoosier Manufacturing Company, The. (See Jackson, George M.)
Ilgenfritz, Curtis B., York, Pa. Lamp base. 107,080; Nov. 23.
Isaacs, Goodwin, New York, N. Y. Dress ensemble. 107,172; Nov. 23.
J. C. Laboratories. (See Barnhart, Adam B.)
Jackson, George M., Lake Bluff, Ill., assignor to The Hoosier Manufacturing Company, New Castle, Ind. Dining table. 107,152; Nov. 23.
Jellinek, Irwin H., assignor to Buffalo Jewelry Case Co. Inc., Buffalo, N. Y. Jewelry box. 107,081; Nov. 23.
Johnson, Joseph K., Jersey City, N. J. Entree plate. 107,153; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,110; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,111; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,112; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,113; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,114; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,115; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,116; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,117; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,118; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,119; Nov. 23.
Katz, Adolph, New York, N. Y. Clip or similar article. 107,120; Nov. 23.
Kelly, Robert A., East Pittsburgh, and P. C. Perrin, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Salt tablet dispenser. 107,173; Nov. 23.
Knowles, Edwin M., China Company, The. (See Broomhall, Vincent, assignor.)
Kramer, Andrew A. (See Gill, Edward H., assignor.)
Kushner, Jacob J., New York, N. Y. Dress. 107,174; Nov. 23.
Lampel, Ida, New York, N. Y. Dress. 107,192; Nov. 23.
Leff, Morris, New York, N. Y. Embroidered fabric. 107,193; Nov. 23.
Leff, Morris, New York, N. Y. Embroidered fabric. 107,194; Nov. 23.
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 107,082; Nov. 23.
Mallinson, George E., Amityville, N. Y. Rug. 107,083; Nov. 23.
Mallinson, George E., Amityville, N. Y. Rug. 107,084; Nov. 23.

Mallinson, George E., Amityville, N. Y. Rug. 107,085; Nov. 23.
Mallinson, George E., Amityville, N. Y. Rug. 107,175; Nov. 23.
Marsch, Jas. P., Corporation. (See Hedfield, R. T., and Seegers, assignors.)
Meller, Reginald B., assignor to Henry Wolff Company, San Francisco, Calif. Radio cabinet. 107,154; Nov. 23.
Meller, Reginald B., assignor to Henry Wolff Company, San Francisco, Calif. Radio cabinet. 107,155; Nov. 23.
Meyer, Harold J., Galesburg, assignor to Western Stoneware Company, Monmouth, Ill. Flower holder or similar article. 107,176; Nov. 23.
Michelson, Margaret, New York, N. Y. Dress. 107,195; Nov. 23.
Michelson, Margaret, New York, N. Y. Dress. 107,196; Nov. 23.
Michelson, Margaret, New York, N. Y. Dress. 107,197; Nov. 23.
Mine Safety Appliances Company. (See Kelly, R. A., and Perrin, assignors.)
Minoff, Jack, Newark, N. J. Knitted fabric. 107,086; Nov. 23.
Minoff, Jack, Newark, N. J. Knitted fabric. 107,177; Nov. 23.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wallpaper or similar article. 107,087; Nov. 23.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wallpaper or similar article. 107,088; Nov. 23.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wallpaper or similar article. 107,089; Nov. 23.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Can opener. 107,090; Nov. 23.
National Silver Company. (See Bernstein, Milton, assignor.)
Nekuda, Raymond F., Kansas City, Mo. Playing card. 107,178; Nov. 23.
One Minute Washer Company. (See Witmer, Howard, assignor.)
Owens-Illinois Glass Company. (See Mackelfresh, William E., Jr., assignor.)
Owens-Illinois Pacific Coast Company. (See Steuer, Norman F., assignor.)
Paris, Andrew J. (See Paris, J. J., G. J., and A. J.)
Paris, George J. (See Paris, J. J., G. J., and A. J.)
Paris, James J., G. J., and A. J., Detroit, Mich. Clock. 107,091; Nov. 23.
Park & Tilford. (See Toomey, John G., assignor.)
Patent License Corporation. (See Arenberg, Albert L., assignor.)
Patterson, Edmund M., New York, N. Y. Textile fabric. 107,198; Nov. 23.
Perrin, Paul C. (See Kelly, R. A., and Perrin.)
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,121; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,122; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,123; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,124; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,125; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,126; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,127; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,128; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,129; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,130; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch. 107,131; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch. 107,132; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch. 107,133; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch. 107,134; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,135; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,136; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,137; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,138; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,139; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,140; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,141; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,142; Nov. 23.
Philippe, Alfred, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Clip. 107,143; Nov. 23.
Rapids Equipment Co. Inc. (See Ribble, Harry W., assignor.)
Ribble, Harry W., Niles Center, Ill., assignor, by mesne assignments, to Rapids Equipment Co. Inc., Cedar Rapids, Iowa. Combined beverage cooling and dispensing cabinet. 107,092; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,093; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,094; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,095; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,096; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,097; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,098; Nov. 23.
Rideout, John G., Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Combinet. 107,099; Nov. 23.
Rietveld, Harry, Milwaukee, Wis. Cake server or similar article. 107,100; Nov. 23.
Rost, Katheryn, New York, N. Y. Dress. 107,199; Nov. 23.
Salzberg, Benjamin, New York, N. Y. Decorative nail. 107,200; Nov. 23.
Sanborn, Robert, Muskegon, Mich. Carrying case for a camera. 107,101; Nov. 23.
Santore, Carolyn M., New York, N. Y. Dress. 107,201; Nov. 23.
Schleimer, Floyd V., assignor to Duart Manufacturing Company, Ltd., San Francisco, Calif. Combined pedestal head and housing for hair waving machines. 107,156; Nov. 23.
Schlenker, Max, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock case. 107,102; Nov. 23.
Schlessel, Philip, New York, N. Y. Dress. 107,202; Nov. 23.
Schlessel, Philip, New York, N. Y. Dress. 107,203; Nov. 23.
Schuster, Alton, Toledo, Ohio. Game board. 107,160; Nov. 23.
Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Seegers, Hans. (See Hedfield, R. T., and Seegers.)
Shuron Optical Company. (See Taylor, Harwood S., assignor.)
Silberman, Lewis, Brooklyn, N. Y. Knitted trunks. 107,103; Nov. 23.
Smith, Landon P., Incorporated. (See Wyman, Guy C., assignor.)
Soule, Chester C., Portland, Maine. Beanpot. 107,161; Nov. 23.
Soule, Chester C., Portland, Maine. Beanpot. 107,162; Nov. 23.
Soule, Chester C., Portland, Maine. Beanpot. 107,163; Nov. 23.
Steuer, Norman F., assignor to Owens-Illinois Pacific Coast Company, San Francisco, Calif. Jar. 107,104; Nov. 23.
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting trough or similar article. 107,105; Nov. 23.
Stingel, Sigmund, Pittsburgh, Pa. Badge or similar article. 107,144; Nov. 23.
Strongson, Hernan L., assignor to Glida Corp. of America, New York, N. Y. Collapsible container. 107,164; Nov. 23.
Taylor, Harwood S., Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y. Lens strap. 107,106; Nov. 23.
Thomas, Elizabeth F., Binghamton, N. Y. Clothes stick or similar article. 107,157; Nov. 23.
Tillman, Nathan, Brooklyn, N. Y. Textile fabric. 107,204; Nov. 23.
Toomey, John G., assignor to Park & Tilford, New York, N. Y. Display stand. 107,179; Nov. 23.
Trifari, Krussman & Fishel, Inc. (See Philippe, Alfred, assignor.)
Tulauskas, Leonard, assignor to Climax Radio & Television Co., Chicago, Ill. Combined radio receiving set and bed lamp. 107,158; Nov. 23.
Tunick, Mildred, New York, N. Y. Bathing suit. 107,208; Nov. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 107,205; Nov. 23.
Turpan, Mark, West New York, N. J. Textile fabric. 107,206; Nov. 23.

Wagner, Mildred, New York, N. Y. Dress. 107,207; Nov. 23.
Wenett, Philip, New York, N. Y. Dress. 107,165; Nov. 23.
Western Stoneware Company. (See Meyer, Harold J., assignor.)
Witmer, Howard, assignor to One Minute Washer Company, Newton, Iowa. Wringer head. 107,166; Nov. 23.
Wolff, Henry, Company. (See Meller, Reginald B., assignor.)
Wurlitzer, Rudolph, Company, The. (See Fuller, Paul M., assignor.)
Wyman, Guy C., Chatham, assignor to Landon P. Smith, Incorporated, Irvington, N. J. Glass cutter. 107,180; Nov. 23.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A/S Thunes Mekaniske Vaerksted. (See Qviller, Olaf, assignor.)
Aga-Baltic Radio Aktiebolag. (See Dalén, S. G., and Anderson, assignors.)
Aldrich, Charles H., Elizabeth, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Stool to be used in the casting of metal. 2,099,670; Nov. 23.
Alexander, Paul, Brussels, Belgium. Deposition of metallic films from metal vaporized in vacuo. 2,100,045; Nov. 23.
Allen, George W., Hyde Park, Boston, and J. S. Farwell, Brookline, assignors to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass. Cleaning method and apparatus. 2,100,286; Nov. 23.
Alles, Richard, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of water-soluble condensation products. 2,099,717; Nov. 23.
All Metal Products Company. (See Gora, John, assignor.)
American District Telegraph Company. (See Cowan, Frank M., assignor.)
American District Telegraph Company. (See Stephens, John J., assignor.)
American Houses, Inc. (See McLaughlin, Robert W., Jr., assignor.)
American Machine & Foundry Company. (See Mertis, Elmer F., assignor.)
American Machine and Metals, Inc. (See Miller, Edward L., assignor.)
American Metal Company, The. (See Aldrich, Charles H., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Espenschied, L., and Curtis, assignors.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Rea, Wilton T., assignor.)
Ames, Butler, Boston, Mass. Cooking apparatus. 2,099,788; Nov. 23.
Anderson, Emil E. W. (See Dalén, S. G., and Anderson.)
Andreas, Arno, Munster, Germany, assignor to Bagpak, Inc., New York, N. Y. Packing filling machine. 2,099,834; Nov. 23.
Andrews, L. V., assignor to Riley Stoker Corporation, Worcester, Mass. Pulverizing apparatus. 2,100,020; Nov. 23.
Andrews, Nathaniel R., Yonkers, N. Y. Separating liquids from solids and apparatus therefor. 2,100,118; Nov. 23.
Armour & Company. (See Conquest, Victor, assignor.)
Armstrong, Edward R., Hollyoak, Del. Sea bottom anchor system and placing the same. 2,100,231; Nov. 23.
Armstrong Siddeley Motors Limited. (See Cutler, Gerard M., assignor.)
Arveson, Maurice H., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,099,919; Nov. 23.
Ashford, John. (See Leonard, Carl H., assignor.)
Ashton, Benjamin N., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Distributor valve. 2,100,154; Nov. 23.
Associated Attleboro Manufacturers, Inc. (See Stenberg, Knut E. B., assignor.)
Associated Electric Laboratories, Inc. (See Robinson, Harold C., assignor.)
Ateliers de Constructions Electriques de Delle. (See Clerc, André, assignor.)
Atlantic Refining Company, The. (See Ferris, S. W., Houghton, and Cowles, assignors.)
Atwell, Harold V., White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oil. 2,099,920; Nov. 23.
Bagpak, Inc. (See Andreas, Arno, assignor.)
Bahlke, William H., R. F. Ruthruff, and F. W. Sullivan, Jr., Hammond, assignors to Standard Oil Company, Whiting, Ind. Decomposing hydrocarbon oils. 2,099,718; Nov. 23.
Bairey, George B., Wolf Point, Mont., assignor, by mesne assignments, to Collins Radio Company. Antenna system. 2,099,671; Nov. 23.
Baker, David B., Riverside, C. R. Rogers, Oak Park, and N. O. Panzegrau, Chicago, Ill., assignors to International Harvester Company. Front end construction for tractors. 2,099,789; Nov. 23.
Baker, David B., Riverside, C. R. Rogers, Oak Park, and N. O. Panzegrau, Chicago, Ill., assignors to International Harvester Company. Mounting of auxiliaries for tractor engines. 2,099,790; Nov. 23.
Baldwin, Alfred W., and H. A. Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Solubilized higher aliphatic sulphides and their production. 2,100,297; Nov. 23.
Baldwin Rubber Company. (See Hunter, G. G., Pryale, and Clark, assignors.)
Baldwin-Southwark Corporation. (See DeForest, Alfred V., assignor.)
Ball, Donald A. (See Quick, C. G., Ball, and Whitehead.)
Ballantine, Stuart, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical communication circuit. 2,100,180; Nov. 23.
Bancroft, Albert F., West Newton, assignor to Bancroft-Walker Company, Waltham, Mass. Shoe machine. 2,099,995; Nov. 23.
Bancroft-Walker Company. (See Bancroft, Albert F., assignor.)
Bangs, Ralph C., Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y. Button. 2,099,979; Nov. 23.
Banning, Thomas A., Jr., Evanston, Ill., assignor to Radio Corporation of America. Preselective tuning for radio reception and the like. 2,099,719; Nov. 23.
Barlow, Edwin H., Hillside, A. P. Hewlett, Cranford, and P. E. Kuhl, Elizabeth, N. J., assignors to Standard Oil Development Company. Producing gasoline from cracked naphtha. 2,099,835; Nov. 23.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,100,181; Nov. 23.
Barry, Gerald J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Flexible coupling for radio volume control or the like. 2,100,232; Nov. 23.
Barsch, Guillaume, Paris, France, assignor to Industrie A. G. Allegro, Emmenbrucke, Switzerland. Blade sharpening device. 2,099,791; Nov. 23.
Baxter, William E., Floyd County, Ind. Pouch. 2,100,298; Nov. 23.
Beadling, Charles T., Canonsburg, Pa. Electric soldering iron. 2,099,792; Nov. 23.
Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinonyl thiazoles. 2,099,672; Nov. 23.
Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-Acylamino anthraquinone-6-thiazoles. 2,099,673; Nov. 23.
Beatie, Cecil E., Forest Hills, N. Y., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Cracking oil. 2,100,048; Nov. 23.
Beaumont, Eugene P., New York, N. Y., assignor to Whiting Manufacturing Company, Minneapolis, Minn. Automatic chain lock. 2,100,233; Nov. 23.
Becker, Stephen P., Poughkeepsie, N. Y. Line tap stick wrench. 2,099,921; Nov. 23.
Bedell, James R., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Dispensing container. 2,100,096; Nov. 23.
Beharrell, George E., Streetly; J. Wright, Coventry; and H. Trevaskis, Sutton Coldfield, assignors to Dunlop Rubber Company, Limited, London, England. Machine gun fire control apparatus. 2,100,097; Nov. 23.
Beling, Christopher C., executor. (See Beling, Leopold.)
Beling, Leopold, deceased, Long Beach, N. Y.; C. C. Beling, executor, Newark, N. J. Teapot. 2,099,996; Nov. 23.
Belknap, Gardner A., Conneautville, Pa. Massaging device. 2,100,234; Nov. 23.
Bell, Nathan, Los Angeles, Calif. Culinary article. 2,100,021; Nov. 23.
Bell Telephone Laboratories, Incorporated. (See Ives, Herbert E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Morton, Edmund R., assignor.)
Bellman, Edward L., assignor of one-half to E. W. Johnson, Rockford, Ill. Screw propeller. 2,099,922; Nov. 23.
Bendix Aviation Corporation. (See Reichel, Wladimir A., assignor.)
Benecke, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Coil body for field coils of electrodynamic loudspeakers. 2,099,997; Nov. 23.
Bennett, Henry E., Grand Rapids, Mich. Chair. 2,100,098; Nov. 23.

Beran, Vojtěch, Pribram, Czechoslovakia. Electrical purification of gases. 2,100,155; Nov. 23.
Berg, Robert H., San Francisco, Calif. Loading and unloading device for trucks or other vehicles. 2,099,998; Nov. 23.
Berglund, Emil. (See Nilson, Harold.)
Bergstein, Edna M., et al., trustees. (See Bergstein, Samuel, assignor.)
Bergstein, Robert M., et al., trustees. (See Bergstein, Samuel, assignor.)
Bergstein, Samuel, Cincinnati, Ohio, assignor to E. M. and R. M. Bergstein, trustees. Container assembling machine. 2,100,022; Nov. 23.
Berman, George A., assignor of one-half to O. L. Rugaard, Lawrence, Mass. Floor surfacing machine. 2,099,969; Nov. 23.
Billner, Karl P., New York, N. Y. Apparatus for stabilizing high speed trains. 2,099,720; Nov. 23.
Bingham's, Sam'l., Son Mfg. Co. (See Conklin, Melvin J., assignor.)
Bishkin, Sam L. (See Rolshausen, F. W., and Bishkin.)
Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Continuous column clip. 2,099,951; Nov. 23.
Black, William F. (See Dahl, O., and Black.)
Blake, Henry W., assignor to W. F. Kirk, Kansas City, Mo. Refrigerator structure. 2,099,793; Nov. 23.
Blanchard, Philip D., Hammond, Ind., and C. R. Hardy, Mount Vernon, assignors to The Superheater Company, New York, N. Y. Compound feeder. 2,099,836; Nov. 23.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Seismic reflection method. 2,099,837; Nov. 23.
Bleuel, Alex H., Wauwatosa, Wis. Studding shoe. 2,100,209; Nov. 23.
Blount, William H., West Brookfield, assignor to Sleeper & Hartley, Inc., Worcester, Mass. Coil stripper. 2,100,046; Nov. 23.
Bocjl Corporation, trustee. (See Jenkins, Clarence E., assignor.)
Bock Oil Burner Corporation. (See Bock, Oscar L., assignor.)
Bock, Oscar L., assignor to Bock Oil Burner Corporation, Madison, Wis. Method of burning fuel. 2,100,049; Nov. 23.
Bonney, Lynn F., Los Angeles, and R. B. Moran, La Canada, Calif. Orienting device for well tools. 2,099,794; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,120; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,121; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,123; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,126; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,127; Nov. 23.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,130; Nov. 23.
Bossert, Christian, Pforzheim, Germany. Slide pencil. 2,099,999; Nov. 23.
Boston Wire Stitcher Company. (See Davis, E. W., and Maynard, assignors.)
Bowles, Edward L., Wellesley Farms, Mass. Measuring dynamic characteristics. 2,099,923; Nov. 23.
Boye Needle Company, The. (See Davis, Edward D., assignor.)
Brassert, H. A., & Co. (See Paschke, M., and Peetz, assignors.)
Braun, Karl, Berlin-Frohnau, and H. Plauson, Berlin, Germany. Manufacturing soap. 2,100,047; Nov. 23.
Breitensteln, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Thread cutting chaser. 2,099,721; Nov. 23.
Bressler, Albert M., New York, N. Y. Handbag. 2,099,924; Nov. 23.
Brock, Thomas J., assignor of thirty per cent to J. L. Lean, San Jose, Calif. Illuminating device. 2,099,952; Nov. 23.
Brooks, Benjamin T. (See Lebo, R. B., and Brooks.)
Brown, Edward G., Wilson, Wyo. Lariat holder. 2,100,023; Nov. 23.
Brown, Milo, Blackfoot, Idaho. Sack holder. 2,100,235; Nov. 23.
Brown, Reynolds D., Jr., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Intercarrier noise suppressor. 2,100,236; Nov. 23.
Brown, William H. (See Gebauer, C. L., and Brown.)
Bruder, Edmund, Chicago, Ill. Smoking tube. 2,099,925; Nov. 23.
Bruder, Edmund, Chicago, Ill. Smoking tube. 2,099,926; Nov. 23.
Bryant Electric Company, The. (See Cunningham, Roy H., assignor.)
Bubes, Simon, Chicago, Ill. Door lock. 2,100,237; Nov. 23.
Buchheit, Henry F., Milwaukee, Wis., assignor of one-half to A. Mater. Fire fighting and rescue apparatus. 2,100,066; Nov. 23.
Buchler, Clifford C., and J. M. Page, Jr., Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill. Refining lubricating oil with dichloroethyl ether. 2,100,099; Nov. 23.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck. 2,100,065; Nov. 23.
Buehler, Allan M., assignor to Eastern Steel Products Limited, Preston, Ontario, Canada. Fertilizer sowing attachment for seeding machines. 2,099,795; Nov. 23.
Buffalo Pressed Steel Company. (See Haas, Lucien L., assignor.)
Buffalo Pressed Steel Company. (See MacKenzie, R. J., and Haas, assignors.)
Buffalo Pressed Steel Company Inc. (See Heath, Laurence R., assignor.)
Builders Iron Foundry. (See Kennison, Karl R., assignor.)
Bullock, Edward W., C. T. Galloway, L. O. Carlsen, and R. S. Condon, assignors to Gleason Works, Rochester, N. Y. Machine for grinding gears. 2,099,674; Nov. 23.
Burgess, John L., Fort Worth, Tex. Metallic expansion joint. 2,100,238; Nov. 23.
Burns, Fred J., assignor to The Columbia Mills, Inc., Saginaw, Mich. Venetian blind supporting bracket. 2,099,953; Nov. 23.
Buschbeck, Werner, assignor to Telefunken Gesellscraft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Phase modulation. 2,100,156; Nov. 23.
Byers, John A., Evanston, assignor to James P. Clow & Sons, Chicago, Ill. Pipe joint. 2,099,722; Nov. 23.
Cain, Bernard M., Ballston Lake, N. Y., assignor to General Electric Company. Ignition system for internal combustion engines. 2,100,210; Nov. 23.
Capeliushnicoff, Matvey A., and S. L. Zalkin, Baku, Union of Soviet Socialist Republics. Distant pneumatic control for a drilling rig. 2,100,131; Nov. 23.
Carborundum Company, The. (See Woodell, Charles E., assignor.)
Carlsen, Leonard O. (See Bullock, E. W. Galloway, Carlsen, and Condon.)
Carlson, Charles O., Staten Island, N. Y. Oil burner mounting for marine use. 2,099,838; Nov. 23.
Carlton, Paul C., Baldwin, Md. Magnifying glass. 2,100,239; Nov. 23.
Carver, Andrew J., Walters, Okla. 90° bend, flexible pipe cleaning tool. 2,099,723; Nov. 23.
Casablancas, Fernando, Lausanne, Switzerland. Guiding of belts in high-draft mechanisms. 2,099,970; Nov. 23.
Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)
Cayo, Julius N., Benton Harbor, Mich. Container. 2,100,240; Nov. 23.
Celanese Corporation of America. (See Roberts, R. P., and Johnson, assignors.)
Celanese Corporation of America. (See Seymour, George W., assignor.)
Celanese Corporation of America. (See Weinberg, Leon W., assignor.)
Central National Bank of Cleveland. (See Paden, William L., assignor.)
Cercia, Inc. (See Emmer, Charles E., assignor.)
Chain Store Products Corporation. (See Hermsdorf, Walter H., assignor.)
Chamberlain Corporation. (See Etten, Nicholas L., assignor.)
Chambers, Jewel Co. (See Smith, N. J., and Chambers.)
Chandler, Harry H., New Ipswich, N. H. Swab. 2,100,157; Nov. 23.
Chaney Manufacturing Company, The. (See Harold, W. F., and Deutsch, assignors.)
Chemische Fabrik Grünau Landshoff & Meyer A. G. (See Sommer, F., and Nassau, assignors.)
Chernoff, Phillin M., Middletown, Conn. Dispensing device. 2,099,839; Nov. 23.
Chibnik, Harry, Sioux Falls, S. Dak. Cultivator shovel. 2,099,796; Nov. 23.
Chicago Rawhide Manufacturing Company. (See Travis, Edward P., assignor.)
Church, Walter L., Houston, Tex. Pump. 2,099,840; Nov. 23.
Cincinnati Time Recorder Company, The. (See Faris, Joseph W., assignor.)
Clark Equipment Company. (See Lapsley, Robert, assignor.)
Clark, Richard U., assignor to The Magnavox Company, Fort Wayne, Ind. Electrolytic condenser unit. 2,099,797; Nov. 23.
Clark, Samuel C. (See Hunter, G. G., Pryale, and Clark.)
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining glyceride type oils. 2,100,276; Nov. 23.
Clayton, Benjamin, Houston, Tex., assignor to Refining, Inc., Reno, Nev. Refining glyceride oil. 2,100,277; Nov. 23.
Clayton, Benjamin, Houston, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., assignors to Refining, Inc., Reno, Nev. Refining oils. 2,100,274; Nov. 23.

Clayton, Benjamin, Sugarland, Tex., W. B. Kerrick, Los Angeles, and H. M. Stadt, Glendale, Calif., and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Refining glyceride oils. 2,100,275; Nov. 23.

Clayton, Martin M., Baden, Pa., assignor to National Electric Products Corporation. Electrical duct feed. 2,100,100; Nov. 23.

Clerc, André, Villeurbanne, assignor to Atellers de Constructions Electriques de Delle, Paris, France. Compressed fluid circuit breaker with multiple breaks. 2,100,182; Nov. 23.

Cleveland Welding Company, The. (See Mankki, Onnie, assignor.)

Clow, James B., & Son. (See Byers, John A., assignor.)

Coffing, Frederick W., Danville, Ill. Free-chain hoist. 2,099,676; Nov. 23.

Cogsdill Manufacturing Company. (See Cogsdill, Stuart A., assignor.)

Cogsdill, Stuart A., assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich. Machine for grinding tools. 2,099,724; Nov. 23.

Cohn, Henryk, and C. Sibert, Berlin, Germany. Voluminously swellable substance and making same from waxes. 2,100,067; Nov. 23.

Collins, Douglas, Salisbury, N. C. Pedal mechanism. 2,099,798; Nov. 23.

Collins Radio Company. (See Bairey, Georg[illegible], assignor.)

Columbia Mills, Inc., The. (See Burns, Fred J[illegible]signor.)

Combustion Engineering Company. (See Jac[illegible]George P., assignor.)

Combustion Engineering Company. (See Sm[illegible], A[illegible]ed R., assignor.)

Condon, Robert S. (See Bullock, E. W., Galloway, Carlsen, and Condon.)

Conklin, Melvin J., Kalamazoo, Mich., assignor to Sam'l Bingham's Son Mfg. Co., Chicago, Ill. Coating apparatus. 2,100,068; Nov. 23.

Connell, Karl, Branch, N. Y. Apparatus for the administration of gases. 2,099,841; Nov. 23.

Connell, Karl, Branch, N. Y. Gas flow means for anesthetic apparatus and the like. 2,099,842; Nov. 23.

Connell, Karl, Branch, N. Y. Formation of breathing tubes and the like. 2,099,843; Nov. [illegible]3.

Conquest, Victor, assignor to Armour and Company, Chicago, Ill. Motor fuel. 2,100,287; Nov. 23.

Constantine, Platon, New York, N. Y. Hair waving apparatus. 2,100,158; Nov. 23.

Cook, Donald D., assignor of one-fourth to R. G. Richardson, one-fourth to J. W. Martin, and one-fourth to M. K. Fuller, Chicago, Ill. Apparatus and process for treatment of respiratory diseases. 2,099,954; Nov. 23.

Corley, John T., Providence, R. I. Cellar pipe. 2,099,799; Nov. 23.

Coro-Gram, Inc. (See Bangs, Ralph C., assignor.)

Cowan, Frank M., Plainfield, N. J., assignor to American District Telegraph Company, New York, N. Y. Method and apparatus for initiating temperature rise alarms. 2,100,183; Nov. 23.

Cowan, Frank M., Plainfield, N. J., assignor to American District Telegraph Company, New York, N. Y. Breather for temperature rise alarm systems. 2,100,184; Nov. 23.

Cowles, Henry C., Jr. (See Ferris, S. W., Houghton, and Cowles.)

Creveling, John L., Tucson, Ariz., assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,100,069; Nov. 23.

Criqui, Charles A. (See Larkin, Elwood T., assignor.)

Crouse-Hinds Company. (See Winter, Danel B., assignor.)

Cunningham, John P., Kingman, Ariz. Rock or earth drill bit. 2,099,677; Nov. 23.

Cunningham, Roy H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric lamp support. 2,100,241; Nov. 23.

Curboy, James T., Southbridge, assignor to A. E. Leon, Belmont, Mass. Loom shuttle. 2,100,101; Nov. 23.

Curstädt, Victor, Berlin, Germany, assignor of one-fourth to G. H. Hirsch, New York. Porous bushing for bearings and making same. 2,100,159; Nov. 23.

Curtis, Eugene W., Chicago, Ill. Rivet. 2,099,678; Nov. 23.

Curtis, Harold E. (See Espenschied, L., and Curtis.)

Cutler, Gerard M., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Gearing for driving superchargers on aircraft engines. 2,099,675; Nov. 23.

Dahl, Oscar, and W. F. Black, La Rochelle, France, assignor to V. D. Limited, London, England. Fishing net. 2,100,160; Nov. 23.

Dailey, Jay F., Hillside, assignor of one-fourth to R. Schroeder, Essex County, N. J., and one-half to M. T. Fisher and A. M. Pedersen. Automatic controller for a radio receiving set. 2,099,971; Nov. 23.

Dalén, Sten G., and E. E. W. Anderson, assignors to Aga-Baltic Radio Aktiebolag, Stockholm, Sweden. Electric generator. 2,099,972; Nov. 23.

Danielson Manufacturing Company, The. (See Whitehead, O. N., and Toelle, assignors.)

Darby, J. F. (See Porter, Albert N., assignor.)

Dardani, Edward V., Southport, Conn. Odometer for motor vehicles. 2,100,024; Nov. 23.

David, Aubrey D., Clarendon, Pa., assignor to The Petroleum Processes Corporation, Wichita, Kans. Manufacture of black wax. 2,100,070; Nov. 23.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Hairpin. 2,099,927; Nov. 23.

Davis, Edward D., assignor to The Boye Needle Company, Chicago, Ill. Commodity display cabinet. 2,100,132; Nov. 23.

Davis, Elmer W., Newton Center, Mass., and A. H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine. Identification and recording devices. 2,099,679; Nov. 23.

Davis, Leonard S. (See Spencer, H. W., and Davis.)

De Corlieu, Louis M., Saint Mande, France. Lifesaving and swimming propelling device. 2,099,973; Nov. 23.

Deese, Robert F., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-chloro-5-amino-benzoic acid. 2,100,242; Nov. 23.

De Forest, Alfred V., Southport, Conn., assignor to Baldwin-Southwark Corporation. Scratch recorder. 2,099,725; Nov. 23.

Deutsch, Leo. (See Herold, W. F., and Deutsch.)

Disbrow, Clarkson A., New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company. Insulated rail joint. 2,099,680; Nov. 23.

Dixon, Jodie T., Luxora, Ark. Trailer hitch and brake actuator. 2,100,133; Nov. 23.

Dodge, Lloyd L., assignor to Rhinelander Paper Company, Rhinelander, Wis. Paper and making same. 2,099,726; Nov. 23.

Doody, Frederick C., St. Onge, S. Dak. Auxiliary glare shield. 2,100,243; Nov. 23.

Dooley, William J. (See Weasler, A. V., and Dooley.)

Doppelhammer, John, Twin Lakes, Minn. Hydrant. 2,099,928; Nov. 23.

Douglas, Harry A., Bronson, Mich., assignor to Kingston Products Corporation. Electrical connecting means. 2,100,025; Nov. 23.

Draeger, Rupert H., U. S. Navy. Camera indexing mechanism. 2,099,681; Nov. 23.

Draeger, Rupert H., U. S. Navy. Page finder. 2,099,682; Nov. 23.

Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Flaw detector mechanism. 2,099,844; Nov. 23.

Draper Corporation. (See McRae, George H., assignor.)

Drysdale, William D. (See Peo, R. F., and Drysdale.)

Ducker, Louis F., Marlemont, assignor to R. A. Kaps and C. H. C. Van Pelt, Cincinnati, Ohio, and said L. F. Ducker, trustees. Liquid expresser. 2,100,026; Nov. 23.

Dufay-Chromex Limited. (See Harrison, G. B., and Threadgold, assignors.)

Duga, William L., and A. H. McNalley, San Francisco, Calif.; said McNalley assignor to said Duga. Making shoes. 2,099,974; Nov. 23.

Duncan, Archibald A., Akron, Ohio. Telephone receiver. 2,099,727; Nov. 23.

Duncan, Charles R., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Brake lever. 2,099,728; Nov. 23.

Dunlop Rubber Company. (See Beharrell, G. E., Wright, and Trevaskis, assignors.)

Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Deese, Robert F., Jr., assignor.)

Du Pont, E. I., de Nemours & Company. (See Larchar, Arthur W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Quenelle, Charles C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Somers, Norman C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Tinker, J. M., and Weinmayr, assignors.)

Du Pont, E. I., de Nemours & Company. (See Waldron, William R., assignor.)

Dutcher, Bernard R., Bogota, N. J. Apparatus for mounting prints and the like. 2,099,845; Nov. 23.

Dyer, Lloyd W., Swissvale, and O. D. Gamel, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,100,102; Nov. 23.

Eastern Steel Products Limited. (See Buehler, Allan M., assignor.)

Eastman Kodak Company. (See Riddell, William A., assignor.)

Eastwood-Neally Corporation. (See Webb, Nelson, W., assignor.)

Eberle, Gustave. (See Eberle, Louis C., assignor.)

Eberle, Louis C., assignor of one-half to G. Eberle, Roselle Park, N. J. Leader bracket. 2,100,001; Nov. 23.

Ebert, Joseph F., Hollis, assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Electromagnetic bell. 2,099,929; Nov. 23.

Eclipse Aviation Corporation. (See Ashton, Benjamin N., assignor.)

Eclipse Aviation Corporation. (See Finnegan, Martin J., assignor.)

Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)

Eclipse Aviation Corporation. (See Mock, Frank C., assignor.)

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbeville Packing Company. (See Kimbrough, William C.)

Ab-Sol-Vo Manufacturing Co. (See Morris, Charles A.)

Adams & Company, New Basford, Nottingham, England. Cloths, and stuffs. Serial No. 396,526; Nov. 30. Class 42.

Adelphia Coffee and Tea Company, New York, N. Y. Coffee, teas, and spices. Serial No. 395,254; Nov. 30. Class 46.

Almo Undergarment Company. (See Mayers, Hyman L.)

American Distilling Company, The, Pekin, Ill. Whiskey. Serial No. 397,891; Nov. 30. Class 49.

American Iron & Machine Works Company, Oklahoma City, Okla. Oil field equipment. Serial No. 390,890; Nov. 30. Class 23.

American Merchandise Co. Inc., New York, N. Y. Razor blades. Serial No. 397,603; Nov. 30. Class 23.

AP Parts Corporation, The, Toledo, Ohio. Mufflers. Serial No. 397,892; Nov. 30. Class 23.

Arango, Francisco, Jr., doing business as Tampa Cigar Co., Tampa, Fla. Cigars. Serial No. 396,659; Nov. 30. Class 17.

Asher & Boretz, Inc., New York, N. Y. Artificial leather. Serial No. 397,494; Nov. 30. Class 50.

Aspodyne, Incorporated, Charleston, Ill. Preparation used in the relief of pain. Serial No. 398,342; Nov. 30. Class 6.

Associated Merchandising Corporation, New York, N. Y. Mattresses, pillows, bolsters, and hassocks. Serial No. 397,745; Nov. 30. Class 32.

Associated Spring Corporation, Bristol, Conn. Hair springs. Serial No. 396,706; Nov. 30. Class 26.

Atlas Brewing Company, Chicago, Ill. Cereal maltless beverages. Serial No. 385,720; Nov. 30. Class 45.

Baltz, Otto C., doing business as Jackson Laboratories, Philadelphia, Pa. Automobile polish. Serial No. 398,384; Nov. 30. Class 16.

Blue, John, Jr., Laurinburg, N. C. Farm machinery. Serial No. 397,107; Nov. 30. Class 23.

Boonton Radio Corporation, Boonton, N. J. Mica insulators. Serial No. 394,930; Nov. 30. Class 21.

Borak, William, doing business as Pet Products Co., New York, N. Y. Concentrated cleaning powder. Serial No. 386,845; Nov. 30. Class 4.

Bradley, Milton, Company, Springfield, Mass. Board games. Serial No. 398,662; Nov. 30. Class 22.

Brewer & Company, Inc., Worcester, Mass. Pastille. Serial No. 397,961; Nov. 30. Class 6.

Bruce, Lawrence Richard, Inc., New York, N. Y. Brushes. Serial No. 361,720; Nov. 30. Class 29.

Buffalo Electro-Chemical Company, Inc., Buffalo, N. Y. Hypochlorites. Serial No. 397,962; Nov. 30. Class 6.

Burke-Savage Tire Co., Baltimore, Md. Inner tubes for pneumatic tires. Serial No. 393,893; Nov. 30. Class 35.

Buscarlet Glove Co. Inc., New York, N. Y. Leather gloves. Serial No. 397,067; Nov. 30. Class 39.

C. & G. Manufacturing Company. (See Chusmir, Morris.)

Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Fishing rods and reels. Serial No. 398,555; Nov. 30. Class 22.

Chusmir, Morris, doing business as C. & G. Manufacturing Company, Providence, R. I. Pins, clips, and scarf holders. 397,839; Nov. 30. Class 28.

Cities Service Oil Company, Bartlesville, Okla. Lubricating oil. Serial No. 397,277; Nov. 30. Class 15.

Clapp, Otis, & Son, Inc., Boston, Mass. Laxative. Serial No. 398,147; Nov. 30. Class 6.

Clapp, Otis, & Son, Inc., Boston, Mass. Laxative tablet. Serial No. 398,148; Nov. 30. Class 6.

Climax Rubber Company. (See Stein, Jacob.)

Cochran, John P., Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. Serial No. 397,611; Nov. 30. Class 16.

Colonial Mills, Inc., New York, N. Y. Acetate and rayon crepe piece goods. Serial No. 397,704; Nov. 30. Class 42.

Cosmesis, Inc., Chicago, Ill. Facial oil. Serial No. 397,356; Nov. 30. Class 6.

Crane Co., Chicago, Ill. Stokers. Serial No. 397,503; Nov. 30. Class 34.

Dallett Company, The, Philadelphia, Pa. Pipe and air hose fittings. Serial No. 395,979; Nov. 30. Class 13.

David, John, New York, N. Y. Suits, topcoats, overcoats, etc. Serial No. 397,794; Nov. 30. Class 39.

Dermo Co., The, Chicago, Ill. Protective skin cream. Serial No. 396,600; Nov. 30. Class 6.

Deutsche Waffen- und Munitionsfabriken, Aktiengesellschaft, Karlsruhe, Germany. Firearms, explosives, ignition products, etc. Serial No. 389,906; Nov. 30. Class 9.

De Roos-Sternheim Company, Incorporated, The, Chicago, Ill. Cosmetic application. Serial No. 397,900; Nov. 30. Class 6.

Diamond Boning Corp., North Arlington, N. J. Corset boning. Serial No. 397,842; Nov. 30. Class 40.

Dick, A. B., Company, Chicago, Ill. Ink pads. Serial No. 398,423; Nov. 30. Class 11.

Ditalia, William, Brooklyn, N. Y. Preparation recommended for growing hair and cleansing the scalp. Serial No. 397,319; Nov. 30. Class 6.

Durio & Sibille, Sunset, La. Fresh vegetables. Serial No. 396,390; Nov. 30. Class 46.

Early, Charles, & Co. Limited, Newland, England. Woollen blankets. Serial No. 397,901; Nov. 30. Class 42.

Electronic Laboratories, Incorporated, Indianapolis, Ind. Electric vibrator-type power supply units. Serial No. 396,391; Nov. 30. Class 21.

Elledge, Joe E., Colorado Springs, Colo. Game. Serial No. 398,394; Nov. 30. Class 22.

Elmo, Inc., Philadelphia, Pa. Toilet creams, lotions, perfumes, etc. Serial No. 397,189; Nov. 30. Class 6.

Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton piece goods, pillow case tubing, etc. Serial No. 398,03[illegible]; Nov. 30. Class 42.

Emery Industries, Inc., Cincinnati, Ohio. Candles. Serial No. 396,712; Nov. 30. Class 15.

Enterprise Manufacturing Company, The, Akron, Ohio. Floats for fishing tackle. Serial No. 398,721; Nov. 30. Class 22.

Evans Products Company, Detroit, Mich. Pressure relief valves. Serial No. 395,751; Nov. 30. Class 13.

Export Manual Publishing Corporation, New York, N. Y. Periodical publication. Serial No. 396,602; Nov. 30. Class 38.

Fabriform Steel Products Co. (See Glick, Fred P.)

Fansteel Metallurgical Corporation, North Chicago, Ill. Alloys. Serial No. 391,859; Nov. 30. Class 14.

Farber, S. W., Inc., Brooklyn, N. Y. Beverage makers. Serial No. 396,394; Nov. 30. Class 21.

Feshbach & Ackerman, Inc., New York, N. Y. Fur coats. Serial No. 394,835; Nov. 30. Class 39.

Finger Lakes and Hudson Flour Mills, Inc., Troy and Geneva, N. Y. Grain flours. Serial No. 398,153; Nov. 30. Class 46.

Flintkote Company, The, New York, N. Y. Sprayable bituminous emulsions. Serial No. 397,902; Nov. 30. Class 12.

Formfit Company, The, Chicago, Ill. Foundation garments, girdles, and brassières. Serial No. 397,285; Nov. 30. Class 39.

Gairing Tool Company, Inc., The, Detroit, Mich. Metal working tools. Serial No. 396,534; Nov. 30. Class 23.

Gambarelli & Davitto, New York, N. Y. Wines. Serial No. 392,423; Nov. 30. Class 47.

General Cable Corporation, New York, N. Y. Bare and insulated electrical wires and cables. Serial No. 398,006; Nov. 30. Class 21.

General Mills, Inc., Minneapolis, Minn. Cereal food products. Serial No. 397,362; Nov. 30. Class 46.

Ginsberg, S. Sons, Baltimore, Md. Suits, coats, vests, etc. Serial Nos. 398,197–8; Nov. 30. Class 39.

Girl Scouts, (Incorporated), New York, N. Y. Shoes. Serial No. 395,476; Nov. 30. Class 39.

Glick, Fred P., doing business as Fabriform Steel Products Co., Bell, Calif. Complete oil re-refineries and replacement parts therefor, mining apparatus and equipment, etc. Serial No. 388,443; Nov. 30. Class 23.

Gordon-O'Neill Co., Inc., New York, N. Y. Whiskey. Serial No. 392,688; Nov. 30. Class 49.

Grant, W. T., Company, New York, N. Y. Hats, caps, and neckties. Serial No. 397,932; Nov. 30. Class 39.

Greenberg, Belle, Omaha, Nebr. Eye wash. Serial No. 398,007; Nov. 30. Class 6.

Griffel, Jacob, New York, N. Y. Waterproof duck and waterproof canvas. Serial No. 397,535; Nov. 30. Class 50.

Grobelle Liquid Plant Food Co., Inc., New York, N. Y. Plant food. Serial No. 398,044; Nov. 30. Class 10.

Harmonica Distribution Corporation of America, New York, N. Y. Mouth harmonicas, harmonica bodies, harmonica reeds, etc. Serial No. 378,654; Nov. 30. Class 36.

Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal compound. Serial No. 398,199; Nov. 30. Class 6.

Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal compound. Serial No. 398,201; Nov. 30. Class 6.

Harrower Laboratory, Inc., The, Glendale, Calif. Medicinal preparation. Serial Nos. 398,202–3; Nov. 30. Class 6.

Hassler, Max, Buenos Aires, Argentina. Price tickets, tags, and book markers. Serial No. 398,281; Nov. 30. Class 37.

Hayes, J. O., Dinuba, Calif. Fresh deciduous fruits, fresh figs, and fresh vegetables. Serial No. 396,132; Nov. 30. Class 46.

Hearn Department Stores, Inc., New York, N. Y. Wine. Serial No. 396,230; Nov. 30. Class 47.

Hellos-Wirkmaschinenzubehoer Zwingenberger & Co. (See Zwingenberger, Ruth.)

Hollywood Prevue Ltd., New York, N. Y. Dresses, gowns, and hats. Serial No. 397,577; Nov. 30. Class 39.
Hollywood Prevue Ltd., New York, N. Y. Ladies' dresses, evening gowns, hats, and bonnets. Serial No. 391,865; Nov. 30. Class 39.
Hoover Company, The, North Canton, Ohio. Electrically operated suction cleaners. Serial No. 397,030; Nov. 30. Class 21.
Houghton, E. F., & Co., Philadelphia, Pa. Cutting oils. Serial No. 392,641; Nov. 30. Class 15.
Houser, J. David, doing business as The Houser Associates, New York, N. Y. Publications. Serial No. 397,850; Nov. 30. Class 38.
Huron Portland Cement Co., Detroit, Mich. Portland cement. Serial No. 397,970; Nov. 30. Class 12.
Idealite, Inc., New York, N. Y. Lamp shades. Serial No. 386,861; Nov. 30. Class 34.
Ihagee Kamerawerk Steenbergen & Co., Dresden, Germany. Cameras and accessories. Serial No. 394,407; Nov. 30. Class 26.
Indian River Citrus Institute, Inc., Indian River City, Fla. Fresh citrus fruits. Serial No. 396,316; Nov. 30. Class 46.
Italian Swiss Colony, San Francisco, Calif. Wines. Serial No. 397,119; Nov. 30. Class 47.
Jackson Laboratories. (See Baltz, Otto C.)
Jadwiga Remedies, Inc., Brooklyn, N. Y. Perfume. Serial No. 398,318; Nov. 30. Class 6.
Johns-Manville Corporation, New York, N. Y. Fabricated sheets. Serial No. 390,275; Nov. 30. Class 12.
Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 369,536; Nov. 30. Class 39.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Men's outer apparel. Serial No. 397,636; Nov. 30. Class 39.
Kellogg Seed Company, Milwaukee, Wis. Food formula for cage birds. Serial No. 397,972; Nov. 30. Class 46.
Kimbrough, William C., doing business as Abbeville Packing Company, Lafayette, La. Canned vegetables. Serial No. 397,973; Nov. 30. Class 46.
Kimbrough, William C., doing business as Abbeville Packing Company, Lafayette, La. Canned vegetables, canned oysters, canned beans with chili sauce. Serial No. 397,974; Nov. 30. Class 46.
Klein, L., Inc., Chicago, Ill. Baking powder, cocoa, evaporated milk, etc. Serial No. 373,475; Nov. 30. Class 46.
Kohnstamm, H., & Co. Inc., New York, N. Y. Colors used in the manufacture of inks. Serial No. 398,113; Nov. 30. Class 11.
Kraus, Otto E., Chicago, Ill. Razor blades. Serial No. 397,759; Nov. 30. Class 23.
La Plante, Floreda B., New York, N. Y. Bicycles. Serial No. 394,993; Nov. 30. Class 19.
Lappin, I., Wall Paper Co., Inc., Boston, Mass. Wallpaper. Serial No. 394,136; Nov. 30. Class 37.
Larrowe Buckwheat Flour Corporation, Cohocton, N. Y. Pancake flour. Serial No. 396,992; Nov. 30. Class 46.
Lemon-Up Company, New Orleans, La. Beverage. Serial No. 397,904; Nov. 30. Class 45.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' outer coats. Serial No. 397,938; Nov. 30. Class 39.
Lewel Mfg. Co., Inc., New York, N. Y. Bandeaux and brassières. Serial No. 397,976; Nov. 30. Class 39.
Loewus, G., & Co., Inc., Newark, N. J. Wines. Serial No. 395,305; Nov. 30. Class 47.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 397,939; Nov. 30. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 397,942; Nov. 30. Class 46.
Lowenstein, M., & Sons, Inc., New York, N. Y. Cotton and rayon piece goods. Serial No. 397,541; Nov. 30. Class 42.
Lufkin Rule Company, The, Saginaw, Mich. Measuring tapes. Serial No. 398,049; Nov. 30. Class 26.
Lyndonville Canning Co. Inc., Lyndonville, N. Y. Bottled and canned apple beverage. Serial No. 396,573; Nov. 30. Class 45.
Mack, M. J., Corp., New York, N. Y. Neckwear tie linings. Serial No. 397,256; Nov. 30. Class 42.
Macy, R. H., & Co., Inc., New York, N. Y. Paints, paint enamels, varnishes, etc. Serial No. 397,260; Nov. 30. Class 16.
Magnavox Company, The, Fort Wayne, Ind. Electrically illuminated signs. Serial No. 397,194; Nov. 30. Class 21.
Mallas, Louis J., Inc., New York, N. Y. Dresses. Serial No. 398,209; Nov. 30. Class 39.
Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric power supply devices. Serial No. 393,959; Nov. 30. Class 21.
Marinello Corporation, New York, N. Y. Depilatory. Serial No. 395,583; Nov. 30. Class 6.
Marx, Louis, & Company, Inc., New York, N. Y. Toy speedway or racetrack and miniature toy vehicles. Serial No. 397,263; Nov. 30. Class 22.
Mayers, Hyman L., doing business as Almo Undergarment Company, New York, N. Y. Ladies' undergarments. Serial No. 394,849; Nov. 30. Class 39.
McDaniel & Sons, Inc., Somerton, Ariz. Fresh melons and fresh vegetables. Serial No. 394,336; Nov. 30. Class 46.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Periodical. Serial No. 398,400; Nov. 30. Class 38.
McLoughlin Bros., Inc., Springfield, Mass. Dolls and costumes thereof. Serial No. 398,303; Nov. 30. Class 22.
Menley & James, Limited, New York, N. Y. Medicated tablet. Serial No. 397,078; Nov. 30. Class 6.
Meyers, Mearl C., doing business as Meyers Pottery, Los Angeles, Calif. Pottery goods. Serial No. 393,775; Nov. 30. Class 30.
Midland Chemical Laboratories, Inc., Dubuque, Iowa. Liquid neutral cleanser. Serial No. 397,545; Nov. 30. Class 4.
Milestone Distilling Company Incorporated, Louisville, Ky., and San Francisco, Calif. Whiskey. Serial No. 398,920; Nov. 30. Class 49.
Morris, Charles A., doing business as Ab-Sol-Vo Manufacturing Co., San Benito, Tex. Preparation used in the treatment of athlete's foot, eczema, etc. Serial No. 397,411; Nov. 30. Class 6.
Mugge, E., Company, Incorporated, Tampa, Fla. Whiskey, gin, rum, etc. Serial No. 398,438; Nov. 30. Class 49.
National Fruit Flavor Co., New Orleans, La. Beverages, and syrups, extracts, and flavors used in making the same. Serial No. 394,952; Nov. 30. Class 45.
National Stamping & Electric Works, Chicago, Ill. Gasoline burning lanterns. Serial No. 397,718; Nov. 30. Class 34.
Natural Sugars, Inc., New York, N. Y. Maraschino cherries. Serial No. 392,649; Nov. 30. Class 46.
Nelson, Charles O., doing business as Washington Dental Products Co., Centralia, Wash. Dental preparation. Serial No. 397,719; Nov. 30. Class 6.
Neuhoff, Dorothy, New York, N. Y. Woolen yarn. Serial No. 397,861; Nov. 30. Class 43.
Newton Supply Company, Philadelphia, Pa. Automatic stokers. Serial No. 397,413; Nov. 30. Class 34.
Nichols Manufacturing Co., The, Bridgeport, Conn. Sanitary garments. Serial No. 397,862; Nov. 30. Class 44.
Ohio Truss Company, The, Cincinnati, Ohio. Suspensories, men's supporters, arch supports, etc. Serial No. 392,501; Nov. 30. Class 44.
O'Neill, Flo W., Beverly Hills and Santa Ana, Calif. Catamenial belts. Serial No. 398,057; Nov. 30. Class 41.
Owens-Illinois Can Company, Toledo, Ohio. Drums and cans. Serial No. 392,727; Nov. 30. Class 2.
Pacific Distillers, Inc., Culver City, Calif. Gin. Serial No. 396,158; Nov. 30. Class 49.
Pacific Distillers, Inc., Culver City, Calif. Gin. Serial No. 396,160; Nov. 30. Class 49.
Page Dairy Company, The, Toledo, Ohio. Fresh milk and cream. Serial No. 397,514; Nov. 30. Class 46.
Penn Electric Switch Co., Des Moines, Iowa. Automatic electric switches. Serial No. 394,047; Nov. 30. Class 21.
Pepperell Manufacturing Company, Boston, Mass. Piece goods. Serial No. 398,440; Nov. 30. Class 42.
Percy, Carl, Inc., New York, N. Y. Blank picture albums. Serial No. 395,240; Nov. 30. Class 37.
Pet Products Co. (See Borak, William.)
Petrin Co., The, New York, N. Y. Perfumes. Serial No. 397,864; Nov. 30. Class 6.
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. Serial No. 395,593; Nov. 30. Class 35.
Phoenix Manufacturing Company, Joliet, Ill. Horse and mule shoes. Serial No. 398,127; Nov. 30. Class 3.
Picker-Linz Importers, Inc., New York, N. Y. Cognac. Serial No. 399,009; Nov. 30. Class 49.
Pierce, Edna C., New York, N. Y. Series of articles. Serial No. 397,418; Nov. 30. Class 38.
Pinaud Incorporated, New York, N. Y. Toilet water. Serial No. 397,420; Nov. 30. Class 6.
Plantation Beverage Co., Philadelphia, Pa. Rum, rum punch, whiskey, etc. Serial No. 398,634; Nov. 30. Class 49.
Pla-Wood Products Corporation, Cleveland, Ohio. Toy paddle. Serial No. 394,802; Nov. 30. Class 22.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Soap. Serial No. 394,383; Nov. 30. Class 4.
Pure Fruit Juices, Inc., Detroit, Mich. Canned pure fruit juices. Serial No. 396,473; Nov. 30. Class 46.
Radoff, William, New York, N. Y. Adhesive tape remover fluid. Serial No. 398,016; Nov. 30. Class 6.
Rathjen Bros., Inc., San Francisco, Calif. Whiskey. Serial No. 397,422; Nov. 30. Class 49.
Rayle, W. B., Pasadena, Calif. Sweet pickled fruits, fruit jellies, wine flavored jellies, etc. Serial No. 394,098; Nov. 30. Class 46.
Red Boy Cereal Co., Denver, Colo. Prepared cereal foods. Serial No. 397,321; Nov. 30. Class 46.
Renault, L. N., & Sons, Inc., Egg Harbor City, N. J. Wines. Serial No. 373,747; Nov. 30. Class 47.
Rocky Mountain National Fur Growers' Association, The, Denver, Colo. Magazine. Serial No. 394,005; Nov. 30. Class 38.

Rose, Louis S., doing business as Rose Brothers, New York, N. Y. Coats, vests, and trousers. Serial No. 397,154; Nov. 30. Class 39.
Rosenberg, Moe, New York, N. Y. Pile fabrics. Serial No. 397,087; Nov. 30. Class 42.
S. I. Q. Company, New York, N. Y. Lotion for the skin and scalp. Serial No. 395,628; Nov. 30. Class 6.
Sächsische Glasfabrik August Walther & Söhne Aktiengesellschaft, Radberg, Germany. Glassware for illuminating purposes. Serial No. 396,508; Nov. 30. Class 34.
Salfer, Ruth R., St. Louis, Mo. Dresses. Serial No. 397,268; Nov. 30. Class 39.
Schokoladenfabrik Mauxion m. b. H., Saalfeld, Germany. Fresh, canned, dried meats. Serial No. 389,480; Nov. 30. Class 46.
Seelig, R., & Hille, Dresden, Germany. Automatic bag and infusion bag packaging machine. Serial No. 394,510; Nov. 30. Class 23.
Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. Serial No. 397,877; Nov. 30. Class 39.
Selrite, Inc., New York, N. Y. Beach and steamer chairs. Serial No. 397,303; Nov. 30. Class 32.
Shifren, Isaac, doing business as Stetson Watch Company, Philadelphia, Pa. Watches, watch cases, watch parts, etc. Serial No. 397,955; Nov. 30. Class 27.
Shortell, M., & Son, Inc., Manchester, N. H. Shoes. Serial No. 398,177; Nov. 30. Class 39.
Shuwall, Edward, & Co., Inc., Pottstown, Pa. Children's wash frocks. Serial No. 397,457; Nov. 30. Class 39.
Skol Company, Inc., New York, N. Y. Eye glasses. Serial No. 397,622; Nov. 30. Class 26.
Smidt, Joseph, Chicago, Ill. Cleaners and polishes. Serial No. 394,641; Nov. 30. Class 4.
Smidt, Joseph, Chicago, Ill. Paints, varnishes, and enamels. Serial No. 398,060; Nov. 30. Class 16.
Southern Milling Company, Augusta, Ga. Dairy feed. Serial No. 397,520; Nov. 30. Class 46.
Spire, William M., and Ad Carter, New York, N. Y. Scripts for a series of commercial radio broadcasts. Serial No. 391,494; Nov. 30. Class 38.
Squibb, E. R., & Sons, New York, N. Y. Preparations for protecting and conditioning the skin. Serial No. 398,328; Nov. 30. Class 6.
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating greases. Serial Nos. 398,179–80; Nov. 30. Class 15.
Stein, Jacob, doing business as Climax Rubber Company, Brooklyn, N. Y. Dress shields. Serial No. 396,972; Nov. 30. Class 40.
Stetson Watch Company. (See Shifren, Isaac.)
Stewart, Guy E., doing business as Stewart Blade Company, Brooklyn, N. Y. Razor blades. Serial No. 397,157; Nov. 30. Class 23.
Superior Petticoat Company, Inc., New York, N. Y. Slips. Serial No. 394,813; Nov. 30. Class 39.
Tampa Cigar Co. (See Arango, Francisco, Jr.)
Tampa Wholesale Liquor Company, Inc., Tampa, Fla. Wines. Serial No. 393,349; Nov. 30. Class 47.
Theall & Pile, Inc., New York, N. Y. Beverages and extracts and flavors for making the same. Serial No. 398,268; Nov. 30. Class 45.
Thrush, H. A., & Company, Peru, Ind. Heat control units. Serial No. 391,716; Nov. 30. Class 26.
Tidewater Knitting Co., New York, N. Y. Hosiery. Serial No. 398,133; Nov. 30. Class 39.
Timken Roller Bearing Company, The, Canton, Ohio. Steel products. Serial No. 397,524; Nov. 30. Class 13.
Trabert & Hoeffer Inc., New York, N. Y. Diamonds and precious stones. Serial No. 397,309; Nov. 30. Class 28.
Tri-State Development Corporation, Burnsville, N. C., and Washington, D. C. Cleaning, scouring, and polishing material. Serial No. 397,235; Nov. 30. Class 4.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 396,245; Nov. 30. Class 2.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 398,332; Nov. 30. Class 2.
Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. Serial No. 383,496; Nov. 30. Class 23.
United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 398,444; Nov. 30. Class 38.
Vassilaros, John A., New York, N. Y. Coffee. Serial No. 390,759; Nov. 30. Class 46.
Violet, J. & S., Freres, Thuir, France. Wine. Serial No. 395,248; Nov. 30. Class 47.
Wahl, J. M., doing business as J. M. Wahl & Co., Phoenix, Ariz. Tea, soy sauce, noodles, etc. Serial No. 395,936; Nov. 30. Class 46.
Wamsutta Mills, New Bedford, Mass. Outer shirts, shorts, slacks, etc. Serial No. 396,849; Nov. 30. Class 39.
Warner Brothers Company, The, Bridgeport, Conn. Corsets, brassières, girdles, etc. Serial No. 391,503; Nov. 30. Class 39.
Washington Dental Products Co. (See Nelson, Charles O.)
Western Railroad Supply Company, Chicago, Ill. Parkway cable sealing compound. Serial No. 396,248; Nov. 30. Class 21.
Wilson Bros. & Cohen, Inc., New York, N. Y. Sweaters and sweater sets. Serial No. 396,216; Nov. 30. Class 39.
Worcester Knitting Co., New York, N. Y. Piece goods. Serial No. 398,071; Nov. 30. Class 42.
Wurzburg, Donald B., Inc., Grand Rapids, Mich. Doll's clothing. Serial No. 397,466; Nov. 30. Class 22.
Zwingenberger, Ruth, doing business as Helios-Wirkmaschinenzubehoer Zwingenberger & Co., Hohenstein-Ernstthal, Saxony, Germany. Knitting machine parts. Serial No. 395,782; Nov. 30. Class 23.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham & Straus, Inc., Brooklyn, N. Y. Puzzles, croquet sets, game balls and bats, etc. 352,345; Nov. 30; Serial No. 387,057; published Sept. 21, 1937. Class 22.
Ada Milling Company, Ada, Okla. Wheat flour, corn meal, and stock feeds. 352,423; Nov. 30; Serial No. 394,446; published Sept. 21, 1937. Class 46.
Adler & Adler, Inc., New York, N. Y. Dresses, suits, shirts, jackets, etc. 352,495; Nov. 30; Serial No. 395,801; published Sept. 21, 1937. Class 39.
Advance Pump Company, Oakland, Calif. Fluid pressure systems and fluid pressure apparatus. 352,353; Nov. 30; Serial No. 388,824; published Sept. 21, 1937. Class 23.
Air-O-Dent Company. (See Schuessler, Elmer W.)
Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio. Electric signal lamps. 352,352; Nov. 30; Serial No. 388,254; published Apr. 20, 1937. Class 21.
Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Tires. 352,383; Nov. 30; Serial No. 392,833; published Sept. 21, 1937. Class 35.
Allis-Chalmers Manufacturing Company, Milwaukee and West Allis, Wis. Flour milling machinery and parts thereof. 352,398; Nov. 30; Serial No. 393,748; published Sept. 21, 1937. Class 23.
Aluminum Products Company, La Grange, Ill. Hollow ware. 352,396; Nov. 30; Serial No. 393,631; published Sept. 21, 1937. Class 13.
American Lead Pencil Co., New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Rubber erasers. 120,054; renewed Jan. 8, 1938.
American Machine and Foundry Company, New York, N. Y. Mixing and sifting machine and parts thereof. 352,351; Nov. 30; Serial No. 388,490; published Sept. 21, 1937. Class 23.
American Type Founders Sales Corporation, Elizabeth, N. J. Printing presses and printing industry accessories. 352,387; Nov. 30; Serial No. 393,261; published Sept. 21, 1937. Class 23.
Argas Corp., The, Newark, N. J. Electrical rectifiers and chargers. 352,404; Nov. 30; Serial No. 393,934; published Sept. 21, 1937. Class 21.
Arras, George, New York, N. Y. Flavoring extract. 352,363; Nov. 30; Serial No. 391,016; published Sept. 21, 1937. Class 46.
Automotive Maintenance Machinery Co., North Chicago, Ill. Fishing lures. 352,370; Nov. 30; Serial No. 391,607; published Sept. 21, 1937. Class 22.
Baldwin Laboratories, Inc., Saegertown, Pa. Preparation for waxing linoleum, asphalt, rubber, etc. 352,467; Nov. 30; Serial No. 395,263; published Sept. 21, 1937. Class 16.
Barrell, William L., Company, Inc., New York, N. Y. Water repellent cloth fabrics in the piece. 352,414; Nov. 30; Serial No. 394,217; published Sept. 21, 1937. Class 50.
Bemis, Kenneth E., Oakland, Calif. Compartment trays. 352,389; Nov. 30; Serial No. 393,473; published Sept. 21, 1937. Class 2.
Blair Distilling Company, Chicago, Ky. Whiskey. 352,382; Nov. 30; Serial No. 392,739; published Sept. 21, 1937. Class 49.
Blair, J. C., Company, Huntington, Pa., assignor to Western Tablet & Stationery Corporation, Dayton, Ohio. Paper and stationery. 121,242; renewed Apr. 23, 1938.
Blaisdell Pencil Company, Philadelphia, Pa. Crayons. 352,324; Nov. 30; Serial No. 366,256; published Sept. 21, 1937. Class 37.
Blue Seal Extract Company, Cambridge, Mass. Beverages and syrups, extracts, and flavors for making the same. 352,507; Nov. 30; Serial No. 396,115; published Sept. 21, 1937. Class 45.
Bo-Kay Perfume Co., New York, N. Y. Perfumes. 352,480; Nov. 30; Serial No. 395,604; published Sept. 14, 1937. Class 6.
Bond Pharmacals, Dallas, Tex. Concentrated energy food preparation. 352,386; Nov. 30; Serial No. 393,211; published Sept. 14, 1937. Class 6.

Booth Chemical Company, Townley, to Booth Chemical Company, Elizabeth, N. J. Sodium and aluminum salts. 121,252; renewed Apr. 23, 1938.
Bosworth, Martha, doing business as Supreme Battery Co., Brooklyn, N. Y. Electric storage batteries. 352,347; Nov. 30; Serial No. 387,372; published Sept. 21, 1937. Class 21.
Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Toilet preparations. 120,064; renewed Jan. 8, 1938.
Bourjois, A., & Co., Inc., assignor to Bourjois Inc., New York, N. Y. Toilet soap. 120,245; renewed Jan. 29, 1938.
Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Certain named toilet preparations. 120,330; renewed Feb. 5, 1938.
Bourjois, A., & Co., Inc., assignor to Bourjois, Inc., New York, N. Y. Face-powder, toilet waters, rouge, etc. 121,397; renewed Apr. 30, 1938.
Boynton & Company, Chicago, Ill. Ash receivers, ash trays, cigar, cigarette and tobacco boxes, etc. 352,468; Nov. 30; Serial No. 395,266; published Sept. 21, 1937. Class 8.
Bradley-Eaton Chemical Co., Inc., Brooklyn, N. Y. Medicinal preparation. 352,474; Nov. 30; Serial No. 395,398; published Sept. 21, 1937. Class 6.
Brand & Oppenheimer, Inc., New York, N. Y. Fabric. 352,437; Nov. 30; Serial No. 394,740; published Sept. 21, 1937. Class 42.
Briggs Manufacturing Co., Detroit, Mich. Bathtubs. 352,412; Nov. 30; Serial No. 394,158; published Sept. 21, 1937. Class 13.
California Spray Chemical Company, Watsonville, Calif., assignor to California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Insecticides, fungicides, and disinfectants. 121,042; renewed Apr. 2, 1938.
Chemical Products, Inc., of California, Culver City, Calif. Healing cream for the skin. 352,325; Nov. 30; Serial No. 374,402; published Oct. 13, 1936. Class 6.
Cliffs Dow Chemical Company, Marquette, Mich. Antifreeze preparation. 352,359; Nov. 30; Serial No. 390,308; published Sept. 21, 1937. Class 6.
Cochrane, Charles P., Company, Philadelphia, Pa. Carpets and rugs. 352,543; Nov. 30. Class 42.
Coll, Jean, New York, N. Y. Chemical for use in the shaping of hats. 352,341; Nov. 30; Serial No. 386,012; published Sept. 21, 1937. Class 6.
Collegiate Mfg. Co., Inc., New York, N. Y. Women's and misses' slips. 352,530; Nov. 30. Class 39.
Collins, Clyde, Incorporated, assignor to Plough, Inc., doing business as Twenty Grand Company, Memphis, Tenn. Syrups, extracts, and flavors. 352,443; Nov. 30; Serial No. 394,825; published Aug. 24, 1937. Class 45.
Conneaut Packing Company, The, Conneaut, Ohio. Plastic metallic packing. 352,390; Nov. 30; Serial No. 393,528; published Sept. 21, 1937. Class 35.
Cross, Mark, Company, New York, N. Y. Vanity compacts. 352,432; Nov. 30; Serial No. 394,669; published Sept. 14, 1937. Class 6.
Dairy Equipment Company. (See De Laere, Harry.)
Deakers, Thorpe, Los Angeles, Calif. Face creams, sunburn balm, talcum, etc. 352,462; Nov. 30; Serial No. 395,127; published Sept. 21, 1937. Class 6.
De Laere, Harry, doing business as Dairy Equipment Company, Lansing, Mich. Mechanical milking machines. 352,416; Nov. 30; Serial No. 394,274; published Sept. 21, 1937. Class 23.
Dick, A. B., Company, Chicago, Ill. Duplicating machines and parts thereof. 352,367; Nov. 30; Serial No. 391,415; published Sept. 21, 1937. Class 23.
Distillers Exchange, Inc., New York, N. Y. Gin. 352,517; Nov. 30; Serial No. 396,353; published Sept. 21, 1937. Class 49.
Doho Chemical Corporation, The, New York, N. Y. Eardrops. 352,451; Nov. 30; Serial No. 394,935; published Sept. 14, 1937. Class 6.
Dorm-O-Cit Laboratory. (See Kramer, William.)
Dow Chemical Company, The, Midland, Mich. Finely divided sulphur preparations. 352,333; Nov. 30; Serial No. 381,406; published Sept. 14, 1937. Class 6.
Du Pont, E. I., de Nemours and Company. (See Roessler & Hasslacher Chemical Co., The, assignor.)
E. C. Sales Incorporated, Shaker Heights, Ohio. Office cabinets and letter files. 352,523; Nov. 30. Class 32.
Edinburg Citrus Association, Edinburg, Tex. Fresh citrus fruits. 352,531; Nov. 30. Class 46.
Effervescent Products, Inc., Elkhart, Ind. Effervescent alkalizing preparation. 352,413; Nov. 30; Serial No. 394,166; published Sept. 14, 1937. Class 6.
Elm Drug & Surgical Co., Inc., New York, N. Y. Medicinal preparation for relieving athlete's foot. 352,470; Nov. 30; Serial No. 395,338; published Sept. 21, 1937. Class 6.
Endo Products, Inc., New York, N. Y. Pharmaceutical and drug medication. 352,403; Nov. 30; Serial No. 393,899; published Sept. 14, 1937. Class 6.
Ever-Wear Trunk Works, Inc., Chicago, Ill. Trunks, luggage, and wardrobe cases, and overnight bags. 352,444; Nov. 30; Serial No. 394,831; published Sept. 14, 1937. Class 3.
Federal Engineering Company, Minneapolis, Minn. Machine for dicing or making intersecting cuts in meat. 352,364; Nov. 30; Serial No. 391,021; published Sept. 21, 1937. Class 23.
Feldman, Samuel. (See Paparelli, Alberto J., assignor.)
Firestone Tire & Rubber Company, The, Akron, Ohio. Automobile seat covers. 352,350; Nov. 30; Serial No. 387,864; published Sept. 21, 1937. Class 19.
Fligel, Benjamin, New York, N. Y. Waterproof outer clothing. 118,648; renewed Sept. 25, 1937.
Flexible Company, The, Loudonville, Ohio. Busses, hearses, ambulances, etc. 352,536; Nov. 30. Class 19.
Ford Motor Company, Highland Park, to Ford Motor Company, Dearborn, Mich., successor. Electrically-self-propelled automobiles, bodies, running-gears, etc. 119,956; renewed Dec. 25, 1937.
Frankel Connector Co. Inc., New York, N. Y. Electrical apparatus, machines, and supplies. 121,284; renewed Apr. 23, 1938.
Frankford Umbrella Manufacturing Co., Philadelphia, Pa. Umbrellas. 352,475; Nov. 30; Serial No. 395,408; published Sept. 14, 1937. Class 41.
G. & H. Hosiery Company, Incorporated, Hickory, N. C. Hosiery. 352,514; Nov. 30; Serial No. 395,603; published Sept. 21, 1937. Class 39.
Gay Blade Co. (See Rider, Daniel H.)
General Chemical Company, New York, N. Y. Sodium phosphate. 352,452; Nov. 30; Serial No. 394,939; published Sept. 14, 1937. Class 6.
General Printing Ink Corporation, New York, N. Y. Printing ink. 352,481; Nov. 30; Serial No. 395,615; published Sept. 21, 1937. Class 11.
Ghose, Satish C., doing business as India Incense Company, Chicago, Ill. Incense in cigarette form. 352,501; Nov. 30; Serial No. 395,915; published Sept. 21, 1937. Class 6.
Gilbert, Jacob H., South Bend, Ind. Boots, shoes, slippers, etc. 352,535; Nov. 30. Class 39.
Golden Glint Co., Inc., Seattle, Wash. Hair rinse preparation. 352,428; Nov. 30; Serial No. 394,600; published Sept. 14, 1937. Class 6.
Golden Glint Company, Inc., Seattle, Wash. Hair rinse preparation. 352,429; Nov. 30; Serial No. 394,601; published Sept. 14, 1937. Class 6.
Goldman, Samuel C., Norfolk, Va. Emulsified wax and thinner. 352,434; Nov. 30; Serial No. 394,704; published Sept. 21, 1937. Class 6.
Grant, W. T., Company, New York, N. Y. Piece goods. 352,435; Nov. 30; Serial No. 394,706; published Sept. 21, 1937. Class 42.
Grant, W. T., Company, New York, N. Y. Powder puffs. 352,515; Nov. 30; Serial No. 396,313; published Sept. 21, 1937. Class 39.
Green, Frank P., Inc., New York, N. Y. Sewing machines. 352,360; Nov. 30; Serial No. 390,518; published Sept. 21, 1937. Class 23.
Green Light Pharmacal Company. (See Weinstock, Samuel L.)
Greene, Herbert A., doing business as M. L. Snyder & Son, Philadelphia, Pa. Packing, rubber belting, rubber hog beater belts, etc. 352,381; Nov. 30; Serial No. 392,690; published Sept. 21, 1937. Class 35.
Griffsen Rubber Company, Philadelphia, Pa. Prophylactic rubber articles. 352,513; Nov. 30; Serial No. 396,309; published Sept. 21, 1937. Class 44.
Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. 352,394; Nov. 30; Serial No. 393,594; published Sept. 21, 1937. Class 21.
Hamer, Dennis E., Austin, Tex. Preparation for hay fever. 352,482; Nov. 30; Serial No. 395,618; published Sept. 14, 1937. Class 6.
Harrell, Joel E., & Son, Suffolk, Va. Hams. 352,539; Nov. 30. Class 46.
Hasco Valve and machine Co., Milwaukee, Wis. Plumbing and steam-fitting valves and metal pipe fittings. 352,356; Nov. 30; Serial No. 390,064; published Sept. 21, 1937. Class 13.
Hess, George, Co. Inc., New York, N. Y. Women's dresses. 352,544–6; Nov. 30. Class 39.
Hewitt Rubber Corporation, Buffalo, N. Y. Machinery packing. 352,395; Nov. 30; Serial No. 393,598; published Sept. 21, 1937. Class 35.
Hicks, Louis D., Atlanta, Ga. Shooting targets. 352,330; Nov. 30; Serial No. 381,204; published Sept. 21, 1937. Class 22.
Hicks, Louis D., Atlanta, Ga. Corrugated board packing cases. 352,331; Nov. 30; Serial No. 381,205; published Sept. 21, 1937. Class 2.
Hicks, Louis D., Atlanta, Ga. Guns and pistols. 352,332; Nov. 30; Serial No. 381,206; published Sept. 21, 1937. Class 9.
Hitz, George E., Poughkeepsie, N. Y. Frost preventing and thawing liquid, anti-freeze solution, etc. 352,336; Nov. 30; Serial No. 384,748; published Sept. 14, 1937. Class 6.
Hogue Mercantile Co., Kansas City, Mo. Granulated nut meats. 352,510; Nov. 30; Serial No. 396,191; published Sept. 21, 1937. Class 46.
Holzderber, Charles P., New York, N. Y. Work dresses. 352,488; Nov. 30; Serial No. 395,667; published Sept. 21, 1937. Class 39.
Hydro-Therm Sterilizer Company, Boston, Mass. Sterilizers. 352,344; Nov. 30; Serial No. 387,038; published Sept. 21, 1937. Class 23.

Independent Pneumatic Tool Company, Chicago, Ill. Portable power wrenches. 352,424; Nov. 30; Serial No. 394,460; published Sept. 21, 1937. Class 23.
India Incense Company. (See Ghose, Satish C.)
International Carrier-Call and Television Corporation, New York, N. Y. Communicating apparatus. 352,524; Nov. 30. Class 21.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. 352,505; Nov. 30; Serial No. 396,082; published Sept. 21, 1937. Class 39.
Jackson Electrical Instrument Company, The, Dayton, Ohio. Cathode ray oscillographs, tube testers, radio set testers, etc. 352,436; Nov. 30; Serial No. 394,712; published Sept. 21, 1937. Class 26.
Jones, Jesse J., doing business as Research Products Company, San Antonio, Tex. Leather dressing compound. 352,533; Nov. 30. Class 4.
Jordán, Rodrigo, Habana, Cuba. Pharmaceutical preparation. 352,419; Nov. 30; Serial No. 394,373; published Sept. 14, 1937. Class 6.
Kaplan Furniture Company, Cambridge, Mass. Tables, desks, secretaries, etc. 352,408; Nov. 30; Serial No. 394,088; published Sept. 21, 1937. Class 32.
Kaufmann Department Stores, Inc., Pittsburgh, Pa. Paper tissues. 352,405; Nov. 30; Serial No. 394,041; published Sept. 21, 1937. Class 37.
Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Forged plate. 352,498; Nov. 30; Serial No. 395,866; published Sept. 21, 1937. Class 14.
Kelly-Carter Coal Company, The, Pittsburg, Kans. Coal. 352,454; Nov. 30; Serial No. 395,039; published Sept. 21, 1937. Class 1.
King Plow Company, Atlanta, Ga. Agricultural scrapers. 352,399; Nov. 30; Serial No. 393,769; published Sept. 21, 1937. Class 23.
Knock-em-Stiff. (See Swan, William F.)
Kramer, William, doing business as Dorm-O-Cit Laboratory, New York, N. Y. Sedative, hypnotic, and analgesic preparation. 352,471; Nov. 30; Serial No. 395,347; published Sept. 21, 1937. Class 6.
Kress, S. H., and Company, New York, N. Y. Tooth brushes. 352,485; Nov. 30; Serial No. 395,828; published Sept. 21, 1937. Class 29.
Kress, S. H., and Company, New York, N. Y. Hosiery. 352,489; Nov. 30; Serial No. 395,673; published Sept. 21, 1937. Class 39.
Kydo Mothproofing Corporation, Boston, Mass. Mothproofing preparations. 352,477; Nov. 30; Serial No. 395,450; published Sept. 21, 1937. Class 6.
Lamont, Samuel, & Sons (New York) Limited, New York, N. Y. Linen suitings, dress linens, toweling, etc. 352,453; Nov. 30; Serial No. 394,992; published Sept. 21, 1937. Class 42.
Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Preparation for preserving and beautifying the hair. 352,457; Nov. 30; Serial No. 395,071; published Sept. 21, 1937. Class 6.
Levine, Max, & Co., New York, N. Y. Wool and camel's hair piece goods. 352,476; Nov. 30; Serial No. 395,422; published Sept. 21, 1937. Class 42.
Levinsohn, Frank, & Bros., Inc., New York, N. Y. Coats and suits. 352,532; Nov. 30. Class 39.
Liebenthal Brothers Company, The, Cleveland, Ohio. Stomach bitters. 352,323; Nov. 30; Serial No. 345,211; published Mar. 27, 1934. Class 6.
Lifegard Co., Inc., The, Chicago, Ill. Self-inflating life preservers. 352,508; Nov. 30; Serial No. 396,140; published Sept. 21, 1937. Class 22.
Life Products, Inc., Cleveland, Ohio. Dog food. 352,417; Nov. 30; Serial No. 394,291; published Sept. 21, 1937. Class 46.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 352,430–1; Nov. 30; Serial Nos. 394,619–20; published Sept. 14, 1937. Class 6.
Lincoln, Janie, Incorporated, Cleveland, Ohio. Mud secured from natural springs containing medicinal properties. 352,538; Nov. 30. Class 1.
Linker & Herbert, Inc., New York, N. Y. Fabrics. 352,483; Nov. 30; Serial No. 395,621; published Sept. 21, 1937. Class 42.
Loudermelt, Harrison D., Blowing Rock, N. C. Blood tonic and purifier. 352,354; Nov. 30; Serial No. 389,257; published Sept. 21, 1937. Class 6.
Lucky Tiger Manufacturing Company, Kansas City, Mo. Medicated cream. 352,455; Nov. 30; Serial No. 395,041; published Sept. 14, 1937. Class 6.
Mack, M. J., Corp., New York, N. Y. Neckwear tie linings. 352,540–1; Nov. 30. Class 42.
Macy, R. H., & Co., Inc., New York, N. Y. Women's underwear. 352,349; Nov. 30; Serial No. 387,750; published Sept. 21, 1937. Class 39.
Marco, John, Company, doing business as Marco Company, Philadelphia, Pa. Homogenizers and pumps. 352,410; Nov. 30; Serial No. 394,141; published Sept. 21, 1937. Class 23.
Master Pictures, Inc., Los Angeles, Calif. Motion picture films. 352,362; Nov. 30; Serial No. 390,794; published Sept. 21, 1937. Class 26.
McGinnis, R. P., Company, Chicago, Ill. Whiskey. 352,528; Nov. 30. Class 49.
McKesson & Robbins, Incorporated, Los Angeles, Calif. Wines. 352,411; Nov. 30; Serial No. 394,142; published Sept. 21, 1937. Class 47.
McLaughlin Gormley King Company, Minneapolis, Minn. Insecticides. 352,406; Nov. 30; Serial No. 394,043; published Sept. 14, 1937. Class 6.
McLaughlin Gormley King Company, Minneapolis, Minn. Insecticides. 352,464; Nov. 30; Serial No. 395,199; published Sept. 21, 1937. Class 6.
McQuay-Norris Mfg. Co., St. Louis, Mo. Engine, pump, and compressor oil-rings made of metal. 120,758; renewed Mar. 5, 1938.
Meeker Sugar Refining Company, Chicago, Ill., and Meeker, La. Sugar. 352,542; Nov. 30. Class 46.
Mergott, J. E., Company, The, Newark, N. J. Bag frames, purse frames, pocketbook frames. 352,527; Nov. 30. Class 3.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Magnesium preparation for medicinal purposes. 352,339; Nov. 30; Serial No. 385,055; published Sept. 14, 1937. Class 6.
Merz & Co. Chemische Fabrik, Frankfort-on-the-Main, Germany. Preparations for use as antiseptic and bacterial agents, insecticides and disinfectants. 352,373; Nov. 30; Serial No. 392,043; published Sept. 14, 1937. Class 6.
Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Medicinal preparation. 352,379–80; Nov. 30; Serial Nos. 392,383–4; published Sept. 14, 1937. Class 6.
Metlox Manufacturing Company, Manhattan Beach, Calif. Ceramic ware. 352,326; Nov. 30; Serial No. 374,597; published Sept. 21, 1937. Class 30.
Millerine Company, Inc., Seattle, Wash. Shampoo. 352,357; Nov. 30; Serial No. 390,079; published Sept. 21, 1937. Class 6.
Mittelman, Bernstein Co., Wilmington, Del., and New York, N. Y. Women's pajamas. 352,494; Nov. 30; Serial No. 395,797; published Sept. 21, 1937. Class 39.
Morning Glo Laboratories. (See Schmidt, Robert P.)
Murphy, Eugene F., doing business as Zolvo-Cones Company, Jersey City, N. J. General tonic. 352,401; Nov. 30; Serial No. 393,870; published Sept. 14, 1937. Class 6.
Musher and Company, Incorporated, New York, N. Y. Olive oil. 352,511; Nov. 30; Serial No. 396,276; published Sept. 21, 1937. Class 46.
National Cellulose Corporation, New York, N. Y. Paper cleansing tissues. 352,478; Nov. 30; Serial No. 395,455; published Sept. 21, 1937. Class 37.
National Fireworks, Inc., West Hanover, Mass. Badge pins. 352,368; Nov. 30; Serial No. 391,544; published Sept. 21, 1937. Class 50.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Soap and soap flakes. 352,529; Nov. 30. Class 4.
National Tank Company, Tulsa, Okla. Metal pipe couplings and unions. 352,522; Nov. 30.
Nature Friend Inc., The, New York, N. Y. Bird food. 352,492; Nov. 30; Serial No. 395,764; published Sept. 21, 1937. Class 46.
Neuberger, Samuel H., New York, N. Y. Board racing game. 352,512; Nov. 30; Serial No. 396,368; published Sept. 21, 1937. Class 22.
Noblitt-Sparks Industries, Inc., Columbus, Ind. Automobile-body heaters. 352,329; Nov. 30; Serial No. 381,167; published Sept. 14, 1937. Class 19.
Nulite Polish Company, Inc., The, Brooklyn, N. Y. Buffing and polishing compositions. 121,483; renewed Apr. 30, 1938.
Nulomoline Company, The, New York, N. Y. Carbohydrate for use as a plasticizer. 352,340; Nov. 30; Serial No. 385,936; published Sept. 14, 1937. Class 6.
Nye, Weston & Griffin, Inc., New York, N. Y. Preparation for treatment of dermatophytes, especially athlete's foot. 352,479; Nov. 30; Serial No. 395,536; published Sept. 14, 1937. Class 6.
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated tableware. 352,397; Nov. 30; Serial No. 393,730; published Aug. 17, 1937. Class 28.
Owens-Illinois Glass Company, Toledo, Ohio. Ash receivers and trays. 352,484; Nov. 30; Serial No. 395,624; published Sept. 21, 1937. Class 8.
Oxycaine Company, New York, N. Y. Local anaesthetic. 352,425; Nov. 30; Serial No. 394,502; published Sept. 14, 1937. Class 6.
Pacific Distillers, Inc., Culver City, Calif. Anti-freeze solution. 352,458; Nov. 30; Serial No. 395,081; published Sept. 14, 1937. Class 6.
Pacific Distillers, Inc., Culver City, Calif. Gin. 352,459–60; Nov. 30; Serial Nos. 395,082–3; published Sept. 21, 1937. Class 49.
Paparelli, Alberto J., doing business as San Pedro Drug Company, San Antonio, Tex., assignor to Samuel Feldman, trading as The Viton Company, New York, N. Y. General medicinal tonic. 352,337; Nov. 30; Serial No. 384,814; published June 8, 1937. Class 6.
Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, beauty and bleach creams, etc. 352,440; Nov. 30; Serial No. 394,799; published Sept. 14, 1937. Class 6.
Parke, Davis & Company, Detroit, Mich. Inhalant. 352,335; Nov. 30; Serial No. 383,222; published Nov. 3, 1936. Class 6.
Patou, Jean, Inc., New York, N. Y. Perfumes. 352,502; Nov. 30; Serial No. 395,965; published Sept. 21, 1937. Class 6.

Pender, David, Grocery Company, Norfolk, Va. Cleansing tissues, paper towels, writing tablets, and toilet tissues. 352,441; Nov. 30; Serial No. 394,800; published Sept. 21, 1937. Class 37.

Perfection Paint and Color Company, Indianapolis, Ind. Paints, paint and varnish remover, and polishing wax. 352,369; Nov. 30; Serial No. 391,587; published Sept. 21, 1937. Class 16.

Peters and Russell, Inc., Springfield, Ohio. Automobile accessories and equipment. 352,327; Nov. 30; Serial No. 380,304; published Sept. 21, 1937. Class 19.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 352,378; Nov. 30; Serial No. 392,345; published Sept. 21, 1937. Class 35.

Phelps Dodge Corporation, New York, N. Y. Electrolytic copper. 352,499; Nov. 30; Serial No. 395,879; published Sept. 21, 1937. Class 14.

Phillips, A. H., Inc., Springfield, Mass. Butter. 352,328; Nov. 30; Serial No. 381,081; published Sept. 21, 1937. Class 46.

Phoenix Hosiery Company, Milwaukee, Wis. Women's hosiery. 352,525; Nov. 30. Class 39.

Plough, Inc. (See Collins, Clyde, Incorporated, assignor.)

Porter (Philadelphia) Inc., Philadelphia, Pa. Yarns. 352,384; Nov. 30; Serial No. 392,937; published Sept. 21, 1937. Class 43.

Portis Bros. Hat Co., Chicago, Ill. Ear muffs. 352,442; Nov. 30; Serial No. 394,803; published Aug. 31, 1937. Class 39.

Praechtl, George J., Buffalo, N. Y. Cough drops. 352,497; Nov. 30; Serial No. 395,552; published Sept. 21, 1937. Class 6.

Prendergast, William H., Company, New York, N. Y. Suiting fabrics. 352,526; Nov. 30. Class 42.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth powder. 352,420; Nov. 30; Serial No. 394,384; published Sept. 14, 1937. Class 6.

Purity Drug Co. Inc., New York, N. Y. Tablets for relieving pain due to headaches, neuralgia, etc. 352,493; Nov. 30; Serial No. 395,768; published Sept. 21, 1937. Class 6.

Pyramid Rubber Company, The, Ravenna, Ohio. Nipples, nipple retaining caps, sealing discs, etc. 352,346; Nov. 30; Serial No. 387,346; published Sept. 21, 1937. Class 44.

Quinlan, Kathleen Mary, Inc., New York, N. Y. Perfume. 352,401; Nov. 30; Serial No. 395,095; published Sept. 21, 1937. Class 6.

Reiss & Bernhard, Inc., New York, N. Y. Coffee, tea, cocoa, etc. 352,365; Nov. 30; Serial No. 391,147; published Sept. 21, 1937. Class 46.

Republic Steel Corporation, Cleveland, Ohio. Pipe, casing, and tubing, etc. 352,376; Nov. 30; Serial No. 392,333; published Sept. 21, 1937. Class 13.

Republic Steel Corporation, Cleveland, Ohio. Carbon, alloy and stainless ferrous metal ingots, billets, etc. 352,377; Nov. 30; Serial No. 392,334; published Sept. 21, 1937. Class 14.

Research Products Company. (See Jones, Jesse J.)

Rider, Daniel H., doing business as Gay Blade Co., New York, N. Y. Razor blades and pocket knives. 352,361; Nov. 30; Serial No. 390,747; published Sept. 21, 1937. Class 23.

Rider, Kenneth N., Company, Inc., Trafalgar, Ind. Canned vegetables. 352,504; Nov. 30; Serial No. 396,014; Sept. 21. Class 46.

Robertson Chemical Corporation, Norfolk, Va. Fertilizer. 352,503; Nov. 30; Serial No. 395,967; published Sept. 21, 1937. Class 10.

Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Feed conveyers for loose rock, etc. 352,391; Nov. 30; Serial No. 393,551; published Sept. 21, 1937. Class 23.

Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Material handling equipment and particularly conveying mechanisms and parts thereof. 352,392; Nov. 30; Serial No. 393,552; published Sept. 21, 1937. Class 23.

Rochester Ropes, Inc., Jamaica, N. Y. Lariat rope. 352,465; Nov. 30; Serial No. 395,212; published Sept. 21, 1937. Class 7.

Rock Manufacturing Company, Rock, Mass. Toy for dogs. 352,508; Nov. 30; Serial No. 396,086; published Sept. 21, 1937. Class 22.

Roessler & Hasslacher Chemical Co., The, New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Materials for generation of oxygen and peroxid of hydrogen for industrial and therapeutical uses. 119,573; renewed Nov. 27, 1937.

Rogers Peet Company, New York, N. Y. Suits and overcoats. 352,342; Nov. 30; Serial No. 386,270; published Sept. 21, 1937. Class 39.

Roma Wine Company, Inc., New York, N. Y., and Lodi, Calif. Wines. 352,358; Nov. 30; Serial No. 390,240; published Sept. 21, 1937. Class 47.

Romary, A., & Company Limited, Tunbridge Wells, England. Biscuits and wafers. 352,486; Nov. 30; Serial No. 395,929; published Sept. 21, 1937. Class 46.

Roto-Way Corporation, The, Chicago, Ill. Machines for frying hamburgers and other meats and edible foods and parts thereof. 352,537; Nov. 30. Class 21.

Rubberset Company, Newark, N. J. Paint brushes. 352,490; Nov. 30; Serial No. 395,684; published Sept. 21, 1937. Class 29.

S & K Winery, Los Angeles, Calif. Wines. 352,388; Nov. 30; Serial No. 393,447; published Sept. 21, 1937. Class 47.

Sadtler, Helena S., Chestnut Hill, Philadelphia, Pa. Crunch pads or mats for use in ash trays. 352,427; Nov. 30; Serial No. 394,557; published Sept. 21, 1937. Class 8.

Saginaw Furniture Shops, Saginaw, Mich. Furniture. 352,343; Nov. 30; Serial No. 386,320; published Sept. 21, 1937. Class 32.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Window paint for poultry houses and brooders. 352,407; Nov. 30; Serial No. 394,062; published Sept. 21, 1937. Class 16.

Sankyo Company, Ltd. (See Takamine Laboratory, Inc., assignor.)

San Pedro Drug Company. (See Paparelli, Alberto J.)

Schering Corporation, Bloomfield, N. J. Medicinal preparation. 352,445–6; Nov. 30; Serial Nos. 394,865–6; published Sept. 14, 1937. Class 6.

Schmidt, Robert P., doing business as Morning Glo Laboratories, Chicago, Ill. Olive oil shampoo. 352,433; Nov. 30; Serial No. 394,680; published Sept. 21, 1937. Class 6.

Schroeder Bros., Inc., New York, N. Y. Wines. 352,518; Nov. 30; Serial No. 397,137; published Oct. 5, 1937. Class 47.

Schuessler, Elmer W., doing business as Air-O-Dent Company, Chicago, Ill. Dentifrice. 352,418; Nov. 30; Serial No. 394,309; published Sept. 14, 1937. Class 6.

Scott, O. M., & Sons Company, The, Marysville, Ohio. Flower seeds and garden seeds. 352,466; Nov. 30; Serial No. 395,243; published Sept. 21, 1937. Class 1.

Sealy Mattress Company, Pittsburgh, Pa. Inner spring units of mattresses. 352,422; Nov. 30; Serial No. 394,430; published Sept. 21, 1937. Class 32.

Sears, Roebuck and Co., Chicago, Ill. Knitting yarn. 352,500; Nov. 30; Serial No. 395,885; published Sept. 21, 1937. Class 43.

Sheinman, Harry L., & Sons Inc., New York, N. Y. Fabrics. 352,496; Nov. 30; Serial No. 395,840; published Sept. 21, 1937. Class 42.

Shinmon Brothers, Long Island City, N. Y. Photographic enlarging apparatus. 352,102; Nov. 30; Serial No. 393,875; published Sept. 21, 1937. Class 26.

Smith, Roland V., assignor to R. V. Smith Supply Company, Oklahoma City, Okla. Inner tubes. 121,508; renewed Apr. 30, 1938.

Snyder, M. L., & Son. (See Greene, Herbert A.)

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Turpentine. 352,393; Nov. 30; Serial No. 393,556; published Aug. 3, 1937. Class 16.

Southern States Cooperative, Incorporated, Richmond, Va., also doing business as Southern States Cooperative Mills, Baltimore, Md., and Southern States Mills, Norfolk and Roanoke, Va. Dairy and poultry feed. 352,348; Nov. 30; Serial No. 387,521; published Sept. 21, 1937. Class 46.

Spear & Company, Pittsburgh, Pa. Overcoats. 352,456; Nov. 30; Serial No. 395,054; published Sept. 21, 1937. Class 39.

Spieker, Eduard, doing business as Dr. Eduard Spieker's Laboratory, Forest Hills, N. Y. Butter, yoghurt milk, ice-cream, etc. 352,372; Nov. 30; Serial No. 391,715; published Sept. 21, 1937. Class 46.

Spielberg, Harry D., New York, N. Y. Piece goods. 352,355; Nov. 30; Serial No. 389,485; published Aug. 31, 1937. Class 42.

Squibb, E. R., & Sons, New York, N. Y. Tonics. 352,438; Nov. 30; Serial No. 394,761; published Sept. 14, 1937. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 352,439; Nov. 30; Serial No. 394,762; published Sept. 14, 1937. Class 6.

Stanley Paint and Varnish Co. Inc., Brooklyn and New York, N. Y. Chemical drain pipe cleaner. 352,447; Nov. 30; Serial No. 394,870; published Sept. 14, 1937. Class 6.

Stanley Paint and Varnish Co. Inc., New York and Brooklyn, N. Y. Chemical wall paper remover. 352,448; Nov. 30; Serial No. 394,872; published Sept. 14, 1937. Class 6.

Steem-Electric Corporation, St. Louis, Mo. Garment or other material pressing steam electric irons. 352,415; Nov. 30; Serial No. 394,261; published Sept. 21, 1937. Class 21.

Stern & Herff Corp., New York, N. Y. Children's coats and snow suits. 352,491; Nov. 30; Serial No. 395,686; published Sept. 21, 1937. Class 39.

Stewart, Edward J., Chicago, Ill. Toy. 352,516; Nov. 30; Serial No. 396,332; published Sept. 21, 1937. Class 22.

Strauss Fasteners, Inc., New York, N. Y. Separable fasteners. 352,449; Nov. 30; Serial No. 394,874; published Sept. 21, 1937. Class 13.

Supreme Battery Co. (See Bosworth, Martha.)

Supreme Laboratories, Inc., Brooklyn, N. Y. Toilet preparations. 352,519; Nov. 30. Class 6.

Swan, William F., doing business as Knock-em Stiff Products Company, Boston, Mass. Compound or preparation in the nature of a repellent for dogs. 352,469; Nov. 30; Serial No. 395,322; published Sept. 21, 1937. Class 6.

Sylvanic Company, Inc., New York, N. Y. Treated yarns. 352,463; Nov. 30; Serial No. 395,178; published Sept. 14, 1937. Class 43.

Takamine Laboratory, Inc., Clifton, N. J. Preparation for use in desizing textile goods. 352,450; Nov. 30; Serial No. 394,875; published Sept. 14, 1937. Class 6.

Takamine Laboratory, Inc., New York, N. Y., assignor to Sankyo Company, Ltd., Tokyo, Japan. Salts, bases, or compounds of aminoxyarsenobenzene, etc. 121,511–12; renewed Apr. 30, 1938.

Tavern Fruit Juice Co., Inc., New York, N. Y. Beverages. 352,472; Nov. 30; Serial No. 395,363; published Sept. 21, 1937. Class 45.

Thurston & Braidich, New York, N. Y. Processed natural gums used as a base for a permanent wave set. 352,371; Nov. 30; Serial No. 391,665; published Sept. 14, 1937. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Machines for vaporizing and applying insecticidal sprays. 352,421; Nov. 30; Serial No. 394,391; published Sept. 21, 1937. Class 23.

Treesweet Products Co., Los Angeles, Calif. Canned orange juice. 352,509; Nov. 30; Serial No. 396,172; published Sept. 21, 1937. Class 46.

Twenty Grand Company. (See Collins, Clyde, Incorporated.)

Ukiah Fruit Growers, Inc., Ukiah, Calif. Fresh deciduous fruits. 352,487; Nov. 30; Serial No. 395,632; published Sept. 21, 1937. Class 46.

Union Fork & Hoe Company, The, Columbus, Ohio. Hand operated tools. 352,520–21; Nov. 30. Class 23.

United States Gypsum Company, Chicago, Ill. Dolomitic hydrated lime. 352,338; Nov. 30; Serial No. 385,015; published Sept. 21, 1937. Class 1.

Utex Clothes, Inc., New York, N. Y. Suits, coats, vests, etc. 352,385; Nov. 30; Serial No. 393,153; published Sept. 21, 1937. Class 39.

Vereinigte Spielwarenfabriken Andreas Förtner & J. Haffner's Nachf. G. m. b. H., Nuremberg, Germany. Toys. 352,374–5; Nov. 30; Serial Nos. 392,206–7; published Sept. 21, 1937. Class 22.

Vigder Bros., Inc., New York, N. Y. Fur coats and fur collars. 352,534; Nov. 30. Class 39.

Viton Company, The. (See Paparelli, Alberto J.)

Walgreen Co., Chicago, Ill. Paints and paint enamels. 352,334; Nov. 30; Serial No. 381,794; published Sept. 21, 1937. Class 16.

Webster Electric Company, Racine, Wis. Inter-communicating sound amplifying and transmitting systems and parts thereof. 352,426; Nov. 30; Serial No. 394,517; published Sept. 21, 1937. Class 21.

Weinstock, Samuel L., doing business as Green Light Pharmacal Company, Philadelphia, Pa. Preparation for dandruff, headache pills, corn preparation, etc. 352,366; Nov. 30; Serial No. 391,260; published Sept. 14, 1937. Class 6.

Western Tablet & Stationery Corporation. (See Blair, J. C., Company, assignor.)

Wright, Sallie, Roseville, Mich. Hair grower. 352,400; Nov. 30; Serial No. 393,828; published Sept. 14, 1937. Class 6.

Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Medicinal product. 352,473; Nov. 30; Serial No. 395,369; published Sept. 21, 1937. Class 6.

Yale & Towne Manufacturing Company, The, Stamford, Conn. Lifting trucks. 352,409; Nov. 30; Serial No. 394,107; published Sept. 21, 1937. Class 19.

Zolvo-Cones Company. (See Murphy, Eugene F.)

LIST OF REGISTRANTS OF LABELS

Chattanooga Bakery. (See Mountain City Mill Company.)

Colonial Drug Company, Tulsa, Okla. Natural Mineral Extracts. For a Natural Mineral Tonic and Astringent. 50,399; Nov. 30.

Continental Foods Corp., Los Angeles, Calif. Pre-Vue. For Canned Creaming Onions. 50,400; Nov. 30.

Ferguson, Donna B., New York, N. Y. "Hentails" with Cocktails. For Biscuits. 50,401; Nov. 30.

Eagle Milling Company, Edmond, Okla. Rag Darling. For Wheat Flour. 50,402; Nov. 30.

Frantz, Charton C., doing business as The Frantz Co., Pittsburgh, Pa. All Butter. For Bread. 50,403; Nov. 30.

Hoffman, S. L., & Co., Inc., New York, N. Y. The Suzy Q Frock. For Frocks for Women. 50,404; Nov. 30.

Hoppe, Frank A., Inc., Philadelphia, Pa. Hoppe's Gun Cleaning Patches. For Gun Cleaning Patches. 50,405; Nov. 30.

Kamm & Schellinger Company, Inc., Mishawaka, Ind. Skilbru. For Beer. 50,406; Nov. 30.

Kephart Laboratories, Bozeman, Mont. Kephart's Vitaminized Oil Treatment. For a Scientific Product for the Hair and Scalp. 50,407; Nov. 30.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger Fres-Shore Oysters. For Oysters. 50,408; Nov. 30.

Larsen Company, The, Green Bay, Wis. Layer-Pak. For Canned Vegetables for Salads and Garnish. 50,409; Nov. 30.

Los Angeles Brewing Co., Los Angeles, Calif. Eastside Sparkling Ale. For Ale. 50,410; Nov. 30.

Madway, Meyer D., Philadelphia, Pa. Irish Sweepstakes. For a Game. 50,411; Nov. 30.

Moosalina Products Corp., Brooklyn, N. Y. Palma. For a Mixture of Cottonseed, Corn, Peanut and Imported Olive Oil. 50,412; Nov. 30.

Mountain City Mill Company, doing business as Chattanooga Bakery, Chattanooga, Tenn. Devil's Food Pie. For Pies. 50,413; Nov. 30.

Nelson, Willard H., doing business as Willard Products Company, Moline, Ill. Breethex. For Liquid Breath Purifier. 50,414; Nov. 30.

New Jersey Federated Egg Producers Cooperative Association, Inc., Ocean Gate, N. J. Fresh Jersey Eggs. 50,415; Nov. 30.

Payne, Melvin R., Fort Wayne, Ind. Mar-velo Products Co. (M. P. Co.). For a Cleaning Compound and Water Softener. 50,416; Nov. 30.

Pfaelzer Brothers, Chicago, Ill. Vel-Bro. For Long Island Duckling. 50,417; Nov. 30.

Pruden Chemical Company, Orlando, Fla. Pruicide. For a Leather Preserver. 50,418; Nov. 30.

Rio Grande Valley Citrus Exchange, Weslaco, Tex. Texsun. For Canned Grapefruit Juice. 50,419; Nov. 30.

Roberts, F. H., Company, Cambridge, Mass. By Request. For Chocolates. 50,420; Nov. 30.

Rocky Mountain Brands, Incorporated, Red Lodge, Mont. Vigilante. For Whiskey. 50,421; Nov. 30.

Rocky Mountain Brands, Incorporated, Red Lodge, Mont. Mountain Elk. For Bourbon Whiskey. 50,422; Nov. 30.

Rocky Mountain Brands, Incorporated, Red Lodge, Mont. Silver Anchor. For Bourbon Whiskey. 50,423; Nov. 30.

Romelfanger, P. B., Minneapolis, Minn. Kummel Ade. For a Soft Drink. 50,424; Nov. 30.

Salerno-Megowen Biscuit Company, Chicago, Ill. Salerno Saltine Crackers. For Salted Crackers. 50,425; Nov. 30.

Shepard, Mary L., Wilmington, N. C. Shepard's Fly Guard and Veterinary Liniment. For a Fly Guard and Veterinary Liniment. 50,426; Nov. 30.

Smith, Leyciades L., Vinita Park, Mo. King Sol—Wisdom Blended in Cigarettes. For Cigarettes. 50,427; Nov. 30.

Willard Products Company. (See Nelson, Willard H.)

Wilson, Anna, doing business as Wilson Drug Company, Chicago, Ill. Wilson's Iso-Rub. For Preparation for Bathing and Massaging Purposes. 50,428; Nov. 30.

LIST OF REGISTRANTS OF PRINTS

Baehr, Henry, Bakery, Wisner, Nebr. White Bear Bread. For Bread. 16,588; Nov. 30.

Cream of Wheat Corporation, The, Minneapolis, Minn. Gangway! For Wheat Breakfast Food. 16,589; Nov. 30.

Forst, Jacob, Packing Co. Inc., Kingston, N. Y. Forst's Formost Meat Products Lead the Parade. For Meat Products. 16,590; Nov. 30.

General Mills, Inc., Minneapolis, Min. Pep up Your 'Below Par' Menus this Clever New Way! For Biscuit Flour. 16,591; Nov. 30.

General Mills, Inc., Minneapolis, Minn. Presenting Young America's New Breakfast Cereal. For Cereal Food. 16,592; Nov. 30.

General Mills, Inc., Minneapolis, Minn. Read what Happened when America's Greatest Miller set out to Produce a Perfect Breakfast Cereal. For Cereal Food. 16,593; Nov. 30.

Hunt, W. G., and L. O. Brooks, Denver, Colo. If Your Clothes are not Becoming to You, then You should be coming to Us. For Clothes. 16,594; Nov. 30.

Kahn, David, Inc., North Bergen, N. J. Wearever DeLuxe. For Fountain Pens and Pencils. 16,596; Nov. 30.

Kimball, J. H., Inc., New York, N. Y. The Flowers for October Calendula and Cosmos. For Handkerchiefs. 16,597; Nov. 30.

Mayo, Robert B., Houston, Tex. Wisemen. For Cigarettes. 16,595; Nov. 30.

Miller, Jerome J., doing business as Miller Mfg. Co., Ottoville, Ohio. Sooto. For Imitation Coal Soot for Playing a Joke. 16,598; Nov. 30.
Mountain City Poultry Company. (See Schmitt, Carl E.)
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Pittsburgh Paints. Smooth as Glass. For Paint. 16,599; Nov. 30.
Schmitt, Carl E., doing business as Mountain City Poultry Company, Altoona, Pa. Kin-Thur-Thum. For a Salve for Healing Peeps. 16,600; Nov. 30.
Tivoli Brewing Company, Detroit, Mich. Enjoy Altes Lager. For Beer. 16,601; Nov. 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Kelly-Carter Coal Company. 352,454; Nov. 30; Serial No. 395,039; published Sept. 21, 1937.
Lime, Dolomitic hydrated. United States Gypsum Company. 352,338; Nov. 30; Serial No. 385,015; published Sept. 21, 1937.
Mud secured from natural springs containing medicinal properties. Janie Lincoln Incorporated. 352,538; Nov. 30.
Seeds and garden seeds, Flower. O. M. Scott & Sons Company. 352,466; Nov. 30; Serial No. 395,243; published Sept. 21, 1937.

CLASS 2

Cases, Corrugated board packing. L. D. Hicks. 352,331; Nov. 30; Serial No. 381,205; published Sept. 21, 1937.
Trays, Compartment. K. E. Remis. 352,389; Nov. 30; Serial No. 393,473; published Sept. 21, 1937.

CLASS 3

Frames, purse frames, pocketbook frames, Bag. J. E. Mergott Company. 352,527; Nov. 30.
Trunks, luggage, and wardrobe cases, and overnight bags. Ever-Wear Trunk Works, Inc. 352,444; Nov. 30; Serial No. 394,831; published Sept. 14, 1937.

CLASS 4

Buffing and polishing compositions. Nulite Polish Company. 121,483; renewed Apr. 30, 1938.
Leather dressing compound. J. J. Jones. 352,533; Nov. 30.
Soap and soap flakes. National Retailer-Owned Grocers, Inc. 352,529; Nov. 30.
Soap, Toilet. A. Bourjois & Co. 120,245; renewed Jan. 29, 1938.

CLASS 6

Alkalizing preparation, Effervescent. Effervescent Products, Inc. 352,413; Nov. 30; Serial No. 394,166; published Sept. 14, 1937.
Anaesthetic, Local. Oxycaine Company. 352,425; Nov. 30; Serial No. 394,502; published Sept. 14, 1937.
Anti-freeze preparation. Cliffs Dow Chemical Company. 352,359; Nov. 30; Serial No. 390,308; published Sept. 21, 1937.
Anti-freeze solution. Pacific Distillers, Inc. 352,458; Nov. 30; Serial No. 395,081; published Sept. 14, 1937.
Astringents, astringent cerates, beauty and bleach creams, etc. Parfumerie St. Denis. 352,440; Nov. 30; Serial No. 394,799; published Sept. 14, 1937.
Bitters, Stomach. Liebenthal Brothers Company. 352,323; Nov. 30; Serial No. 345,211; published Mar. 27, 1934.
Carbohydrate for use as a plasticizer. Nulomoline Company. 352,340; Nov. 30; Serial No. 385,936; published Sept. 14, 1937.
Chemical for use in the shaping of hats. J. Coll. 352,341; Nov. 30; Serial No. 386,012; published Sept. 21, 1937.
Chemical wall paper remover. Stanley Paint and Varnish Co. Inc. 352,448; Nov. 30; Serial No. 394,872; published Sept. 14, 1937.
Cleaner, Chemical drain pipe. Stanley Paint and Varnish Co. Inc. 352,447; Nov. 30; Serial No. 394,870; published Sept. 14, 1937.
Compacts, Vanity. Mark Cross Company. 352,432; Nov. 30; Serial No. 394,669; published Sept. 14, 1937.
Compound or preparation in the nature of a repellent for dogs. W. F. Swan. 352,469; Nov. 30; Serial No. 395,322; published Sept. 21, 1937.
Cough drops. G. J. Praechtl. 352,497; Nov. 30; Serial No. 395,852; published Sept. 21, 1937.
Cream for the skin, Healing. Chemical Products, Inc., of California. 352,325; Nov. 30; Serial No. 374,402; published Oct. 13, 1936.
Cream, Medicated. Lucky Tiger Manufacturing Company. 352,455; Nov. 30; Serial No. 395,041; published Sept. 14, 1937.
Creams, sunburn balm, talcum, etc., Face. T. Denkers. 352,462; Nov. 30; Serial No. 395,127; published Sept. 21, 1937.
Dentifrice. E. W. Schuessler. 352,418; Nov. 30; Serial No. 394,309; published Sept. 14, 1937.
Ear-drops. Doho Chemical Corporation. 352,451; Nov. 30; Serial No. 394,935; published Sept. 14, 1937.
Food preparation, Concentrated energy. Bond Pharmacals. 352,386; Nov. 30; Serial No. 393,211; published Sept. 14, 1937.
Frost preventing and thawing liquid, anti-freeze solution, etc. G. E. Hitz. 352,336; Nov. 30; Serial No. 384,748; published Sept. 14, 1937.
Gums used as a base for a permanent wave set, Processed natural. Thurston & Braidich. 352,371; Nov. 30; Serial No. 391,665; published Sept. 14, 1937.
Hair grower. S. Wright. 352,400; Nov. 30; Serial No. 393,828; published Sept. 14, 1937.
Hair rinse preparation. Golden Glint Co. 352,428; Nov. 30; Serial No. 394,600; published Sept. 14, 1937.
Hair rinse preparation. Golden Glint Company. 352,429; Nov. 30; Serial No. 394,601; published Sept. 14, 1937.
Incense in cigarette form. S. C. Ghose. 352,501; Nov. 30; Serial No. 395,915; published Sept. 21, 1937.
Inhalant. Parke, Davis & Company; 352,335; Nov. 30; Serial No. 383,222; published Nov. 3, 1936.
Insecticides. McLaughlin Gormley King Company. 352,406; Nov. 30; Serial No. 394,043; published Sept. 14, 1937.
Insecticides. McLaughlin Gormley King Company. 352,464; Nov. 30; Serial No. 395,199; published Sept. 21, 1937.
Insecticides, fungicides, and disinfectants. California Spray Chemical Company. 121,042; renewed Apr. 2, 1938.
Magnesium preparation for medicinal purposes. Wm. S. Merrell Company. 352,339; Nov. 30; Serial No. 385,055; published Sept. 14, 1937.
Materials for generation of oxygen and peroxid of hydrogen. Roessler & Hasslacher Chemical Co. 119,573; renewed Nov. 27, 1937.
Medicinal preparation. Bradley-Eaton Chemical Co. 352,474; Nov. 30; Serial No. 395,398; published Sept. 21, 1937.
Medicinal preparation. Elm Drug & Surgical Co. 352,470; Nov. 30; Serial No. 395,338; published Sept. 21, 1937.
Medicinal preparation. Eli Lilly and Company. 352,430–1; Nov. 30; Serial Nos. 394,619–20; published Sept. 14, 1937.
Medicinal preparation. F. Merz. 352,379-80; Nov. 30; Serial Nos. 392,383–4; published Sept. 14, 1937.
Medicinal preparation. Schering Corporation. 352,445–6; Nov. 30; Serial Nos. 394,865–6; published Sept. 14, 1937.
Medicinal product. John Wyeth and Brother, Incorporated. 352,473; Nov. 30; Serial No. 395,369; published Sept. 21, 1937.
Mothproofing preparations. Kydo Mothproofing Corporation. 352,477; Nov. 30; Serial No. 395,450; published Sept. 21, 1937.
Perfume. Kathleen Mary Quinlan, Inc. 352,461; Nov. 30; Serial No. 395,095; published Sept. 21, 1937.
Perfumes. Bo-Kay Perfume Co. 352,480; Nov. 30; Serial No. 395,604; published Sept. 14, 1937.
Perfumes. Jean Patou, Inc. 352,502; Nov. 30; Serial No. 395,965; published Sept. 21, 1937.
Pharmaceutical preparation. R. Jordan. 352,419; Nov. 30; Serial No. 394,373; published Sept. 14, 1937.
Pharmaceuticals and drug medication. Endo Products, Inc. 352,403; Nov. 30; Serial No. 393,899; published Sept. 14, 1937.
Powder, toilet waters, rouge, etc., Face. A. Bourjois & Co. 121,397; renewed Apr. 30, 1938.
Preparation for dandruff, headache pills, corn preparation, etc. S. L. Weinstock. 352,366; Nov. 30; Serial No. 391,260; published Sept. 14, 1937.
Preparation of hay fever. D. E. Hamer. 352,482; Nov. 30; Serial No. 395,618; published Sept. 14, 1937.
Preparation for preserving and beautifying the hair. Lanman & Kemp-Barclay & Co. Incorporated. 352,457; Nov. 30; Serial No. 395,071; published Sept. 21, 1937.
Preparation for treatment of dermaphytes. Nye, Weston & Griffin, Inc. 352,479; Nov. 30; Serial No. 395,536; published Sept. 14, 1937.
Preparation for use in desizing textile goods. Takamine Laboratory, Inc. 352,450; Nov. 30; Serial No. 394,875; published Sept. 14, 1937.
Preparations for use as antiseptic and bacterial agents, insecticides and disinfectants. Merz & Co. Chemische Fabrik. 352,373; Nov. 30; Serial No. 392,043; published Sept. 14 1937.
Salts, bases, or compounds of aminoxyarsenobenzene, etc. Takamine Laboratory, Inc. 121,511–12; renewed Apr. 30, 1938.
Sedative, hypnotic, and analgesic preparation. W. Kramer. 352,471; Nov. 30; Serial No. 395,347; published Sept. 21, 1937.
Shampoo. Millerine Company. 352,357; Nov. 30; Serial No. 390,079; published Sept. 21, 1937.

Shampoo, Olive oil. R. P. Schmidt. 352,433; Nov. 30; Serial No. 394,680; published Sept. 21, 1937.
Sodium and aluminum salts. Booth Chemical Company. 121,252; renewed Apr. 23, 1938.
Sodium phosphate. General Chemical Company. 352,452; Nov. 30; Serial No. 394,939; published Sept. 14, 1937.
Sulphur preparations, Finely divided. Dow Chemical Company. 352,333; Nov. 30; Serial No. 381,406; published Sept. 14, 1937.
Tablets for relieving pain due to headaches, neuralgia, etc. Purity Drug Co. Inc. 352,493; Nov. 30; Serial No. 395,768; published Sept. 21, 1937.
Toilet preparations. A. Bourjois & Co. 120,064; renewed Jan. 8, 1938.
Toilet preparations. A. Bourjois & Co. 120,330; renewed Feb. 5, 1938.
Toilet preparations. Supreme Laboratories, Inc. 352,519; Nov. 30.
Tonic and purifier, Blood. H. D. Loudermelt. 352,354; Nov. 30; Serial No. 389,257; published Sept. 21, 1937.
Tonic, General. E. F. Murphy. 352,401; Nov. 30; Serial No. 393,870; published Sept. 14, 1937.
Tonic, Generical medicinal. A. J. Paparelli. 352,337; Nov. 30; Serial No. 384,814; published June 8, 1937.
Tonics. E. R. Squibb & Sons. 352,438; Nov. 30; Serial No. 394,761; published Sept. 14, 1937.
Tooth powder. Pro-phy-lac-tic Brush Company. 352,420; Nov. 30; Serial No. 394,384; published Sept. 14, 1937.
Vitaminic preparation. E. R. Squibb & Sons. 352,439; Nov. 30; Serial No. 394,762; published Sept. 14, 1937.
Wax and thinner, Emulsified. S. C. Goldman. 352,434; Nov. 30; Serial No. 394,704; published Sept. 21, 1937.

CLASS 7

Rope, Lariat. Rochester Ropes, Inc. 352,465; Nov. 30; Serial No. 395,212; published Sept. 21, 1937.

CLASS 8

Ash receivers and trays. Owens-Illinois Glass Company. 352,484; Nov. 30; Serial No. 395,624; published Sept. 21, 1937.
Ash receivers, ash trays, cigar, cigarette and tobacco boxes, etc. Boynton & Company. 352,468; Nov. 30; Serial No. 395,266; published Sept. 21, 1937.
Pads or mats for use in ash trays, Crunch. H. S. Sadtler. 352,427; Nov. 30; Serial No. 394,557; published Sept. 21, 1937.

CLASS 9

Guns and pistols. L. D. Hicks. 352,332; Nov. 30; Serial No. 381,206; published Sept. 21, 1937.

CLASS 10

Fertilizer. Robertson Chemical Corporation. 352,503; Nov. 30; Serial No. 395,967; published Sept. 21, 1937.

CLASS 11

Ink, Printing. General Printing Ink Corporation. 352,481; Nov. 30; Serial No. 395,615; published Sept. 21, 1937.

CLASS 13

Bathtubs. Briggs Manufacturing Co. 352,412; Nov. 30; Serial No. 394,158; published Sept. 21, 1937.
Fasteners, Separable. Strauss Fasteners, Inc. 352,449; Nov. 30; Serial No. 394,874; published Sept. 21, 1937.
Hollowware. Aluminum Products Company. 352,396; Nov. 30; Serial No. 393,631; published Sept. 21, 1937.
Pipe, casing, tubing, etc. Republic Steel Corporation. 352,376; Nov. 30; Serial No. 392,333; published Sept. 21, 1937.
Pipe couplings and unions, Metal. National Tank Company. 352,522; Nov. 30.
Valves and metal pipe fittings, Plumbing and steam-fitting. Hasco Valve and Machine Co. 352,356; Nov. 30; Serial No. 390,064; published Sept. 21, 1937.

CLASS 14

Carbon, metal ingots, billets, etc. Republic Steel Corporation. 352,377; Nov. 30; Serial No. 392,334; published Sept. 21, 1937.
Copper, Electrolytic. Phelps Dodge Corporation. 352,499; Nov. 30; Serial No. 395,879; published Sept. 21, 1937.
Plate, Forged. M. W. Kellogg Company. 352,498; Nov. 30; Serial No. 395,866; published Sept. 21, 1937.

CLASS 16

Paint for poultry houses and brooders, Window. Dr. Salsbury's Laboratories. 352,407; Nov. 30; Serial No. 394,062; published Sept. 21, 1937.
Paints and paint enamels. Walgreen Co. 352,334; Nov. 30; Serial No. 381,794; published Sept. 21, 1937.
Paints, paint and varnish remover, and polishing wax. Perfection Paint and Color Company. 352,369; Nov. 30; Serial No. 391,587; published Sept. 21, 1937.
Preparation for waxing linoleum, asphalt, rubber, etc. Baldwin Laboratories, Inc. 352,467; Nov. 30; Serial No. 395,263; published Sept. 21, 1937.
Turpentine. Socony-Vacuum Oil Company. 352,393; Nov. 30; Serial No. 393,556; published Aug. 3, 1937.

CLASS 19

Automobile accessories and equipment. Peters and Russell, Inc. 352,327; Nov. 30; Serial No. 380,304; published Sept. 21, 1937.
Automobiles, bodies, running-gears, etc., Electrically-self-propelled. Ford Motor Company. 119,956; renewed Dec. 25, 1937.
Busses, hearses, ambulances, etc. Flexible Company. 352,536; Nov. 30.
Covers, utomobile seat. Firestone Tire & Rubber Company. 352,350; Nov. 30; Serial No. 387,864; published Sept. 21, 1937.
Heaters, Automobile-body. Noblitt-Sparks Industries, Inc. 352,329; Nov. 30; Serial No. 381,167; published Sept. 14, 1937.
Trucks, Lifting. Yale & Towne Manufacturing Company. 352,409; Nov. 30; Serial No. 394,107; published Sept. 21, 1937.

CLASS 21

Batteries, Electric storage. M. Bosworth. 352,347; Nov. 30; Serial No. 387,372; published Sept. 21, 1937.
Communicating apparatus. International Carrier-Call and Television Corporation. 352,524; Nov. 30.
Electrical apparatus, machines, and supplies. Frankel Connector Co. Inc. 121,284; renewed Apr. 23, 1938.
Electrical rectifiers and chargers. The Argas Corp. 352,404; Nov. 30; Serial No. 393,934; published Sept. 21, 1937.
Irons, Garment or other material pressing steam electric. Steem-Electric Corporation. 352,415; Nov. 30; Serial No. 394,261; published Sept. 21, 1937.
Lamps, Electric signal. Akron Brass Manufacturing Company. 352,352; Nov. 30; Serial No. 388,254; published Apr. 20, 1937.
Lighting fixtures, Electric. Edwin F. Guth Company. 352,394; Nov. 30; Serial No. 393,594; published Sept. 21, 1937.
Machines for frying hamburgers and other meats and edible foods and parts thereof. Roto-Way Corporation. 352,537; Nov. 30.
Sound amplifying and transmitting systems and parts thereof, Inter-communicating. Webster Electric Company. 352,426; Nov. 30; Serial No. 394,517; published Sept. 21, 1937.

CLASS 22

Fishing lures. Automotive Maintenance Machinery Co. 352,370; Nov. 30; Serial No. 391,607; published Sept. 21, 1937.
Game, Board -racing. S. H. Neuburger. 352,512; Nov. 30; Serial No. 396,368; published Sept. 21, 1937.
Life preservers, Self-inflating. Lifegard Co. 352,508; Nov. 30; Serial No. 396,140; published Sept. 21, 1937.
Puzzles, croquet sets, game balls and bats, etc. Abraham & Straus, Inc. 352,345; Nov. 30; Serial No. 387,057; published Sept. 21, 1937.
Targets, Shooting. L. D. Hicks. 352,330; Nov. 30; Serial No. 381,204; published Sept. 21, 1937.
Toy. E. J. Stewart. 352,516; Nov. 30; Serial No. 396,332; published Sept. 21, 1937.
Toy for dogs. Rock Manufacturing Company. 352,506; Nov. 30; Serial No. 396,086; published Sept. 21, 1937.
Toys. Vereinigte Spielwarenfabriken Andreas Förtner & J. Haffner's Nachf. G. m. b. H. 352,374–5; Nov. 30; Serial Nos. 392,296–7; published Sept. 21, 1937.

CLASS 23

Conveyers for loose rock, etc., Feed. Robins Conveying Belt Company. 352,391; Nov. 30; Serial No. 393,551; published Sept. 21, 1937.
Duplicating machines and parts thereof. A. B. Dick Company. 352,367; Nov. 30; Serial No. 391,415; published Sept. 21, 1937.
Flour milling machinery and parts thereof. Allis-Chalmers Manufacturing Company. 352,398; Nov. 30; Serial No. 393,748; published Sept. 21, 1937.
Fluid pressure systems and fluid pressure apparatus. Advance Pump Company. 352,353; Nov. 30; Serial No. 388,824; published Sept. 21, 1937.
Homogenizers and pumps. J. Marco. 352,410; Nov. 30; Serial No. 394,141; published Sept. 21, 1937.
Machine for dicing or making intersecting cuts in meat. Federal Engineering Company. 352,364; Nov. 30; Serial No. 391,021; published Sept. 21, 1937.
Machines for vaporizing and applying insecticidal sprays. Tobacco By-Products and Chemical Corporation. 352,421; Nov. 30; Serial No. 394,391; published Sept. 21, 1937.
Material handling equipment and particularly conveying mechanisms and parts thereof. Robins Conveying Belt Company. 352,392; Nov. 30; Serial No. 393,552; published Sept. 21, 1937.
Milking machines, Mechanical. H. De Laere. 352,416; Nov. 30; Serial No. 394,274; published Sept. 21, 1937.
Mixing and sifting machine and parts thereof. American Machine and Foundry Company. 352,351; Nov. 30; Serial No. 388,490; published Sept. 21, 1937.
Printing presses and printing industry accessories. American Type Founders Sales Corporation. 352,387; Nov. 30; Serial No. 393,261; published Sept. 21, 1937.
Razor blades and pocket knives. D. H. Rider. 352,361; Nov. 30; Serial No. 390,747; published Sept. 21, 1937.

Rings made of metal, Engine, pump, and compressor oil. McQuay-Norris Mfg. Co. 120,758; renewed Mar. 5, 1938.
Scrapers, Agricultural. King Plow Company. 352,399; Nov. 30; Serial No. 393,769; published Sept. 21, 1937.
Sewing machines. Frank P. Green Inc. 352,360; Nov. 30; Serial No. 390,518; published Sept. 21, 1937.
Sterilizers. Hydro-Therm Sterilizer Company. 352,344; Nov. 30; Serial No. 387,038; published Sept. 21, 1937.
Tools, Hand operated. Union Fork & Hoe Company. 352,520–1; Nov. 30.
Wrenches, Portable power. Independent Pneumatic Tool Company. 352,424; Nov. 30; Serial No. 394,460; published Sept. 21, 1937.

CLASS 26

Films, Motion picture. Master Pictures, Inc. 352,362; Nov. 30; Serial No. 390,794; published Sept. 21, 1937.
Oscillographs, tube testers, radio set testers, etc., Cathode ray. Jackson Electrical Instrument Company. 352,436; Nov. 30; Serial No. 394,712; published Sept. 21, 1937.
Photographic enlarging apparatus. Simmon Brothers. 352,402; Nov. 30; Serial No. 393,875; published Sept. 21, 1937.

CLASS 28

Tableware, Silver plated. Oneida Ltd. 352,397; Nov. 30; Serial No. 393,730; published Aug. 17, 1937.

CLASS 29

Brushes, Paint. Rubberset Company. 352,490; Nov. 30; Serial No. 395,684; published Sept. 21, 1937.
Brushes, Tooth. S. H. Kress and Company. 352,485; Nov. 30; Serial No. 395,828; published Sept. 21, 1937.
Powder puffs. W. T. Grant Company. 352,515; Nov. 30; Serial No. 396,313; published Sept. 21, 1937.

CLASS 30

Ceramic ware. Metlox Manufacturing Company. 352,326; Nov. 30; Serial No. 374,597; published Sept. 21, 1937.

CLASS 32

Cabinets and letter files, Office. E. C. Sales Incorporated. 352,523; Nov. 30.
Furniture. Saginaw Furniture Shops. 352,343; Nov. 30; Serial No. 386,320; published Sept. 21, 1937.
Spring units of mattresses, Inner. Sealy Mattress Company. 352,422; Nov. 30; Serial No. 394,430; published Sept. 21, 1937.
Tables, desks, secretaries, etc. Kaplan Furniture Company. 352,408; Nov. 30; Serial No. 394,088; published Sept. 21, 1937.

CLASS 35

Packing, Machinery. Hewitt Rubber Corporation. 352,395; Nov. 30; Serial No. 393,598; published Sept. 21, 1937.
Packing, Plastic metallic. Conneaut Packing Company. 352,390; Nov. 30; Serial No. 393,528; published Sept. 21, 1937.
Packing, rubber belting, rubber hog beater belts, etc. H. A. Greene. 352,381; Nov. 30; Serial No. 392,690; published Sept. 21, 1937.
Tires. Allis-Chalmers Manufacturing Company. 352,383; Nov. 30; Serial No. 392,833; published Sept. 21, 1937.
Tires and tubes. Pharis Tire and Rubber Company. 352,378; Nov. 30; Serial No. 392,345; published Sept. 21, 1937.
Tubes, Inner. R. V. Smith. 121,508; renewed Apr. 30, 1938.

CLASS 37

Crayons. Blaisdell Pencil Company. 352,324; Nov. 30; Serial No. 366,256; published Sept. 21, 1937.
Erasers, Rubber. American Lead Pencil Co. 120,054; renewed Jan. 8, 1938.
Paper and stationery. J. C. Blair Company. 121,242; renewed Apr. 23, 1938.
Paper tissues. Kaufmann Department Stores, Inc. 352,405; Nov. 30; Serial No. 394,041; published Sept. 21, 1937.
Tissues, Paper cleansing. National Cellulose Corporation. 352,478; Nov. 30; Serial No. 395,435; published Sept. 21, 1937.
Tissues, paper towels, writing tablets, and toilet tissues, Cleansing. David Pender Grocery Company. 352,441; Nov. 30; Serial No. 394,800; published Sept. 21, 1937.

CLASS 39

Boots, shoes, Slippers, etc. J. H. Gilbert. 352,535; Nov. 30.
Clothing, Waterproof outer. B. Fligel. 118,648; renewed Sept. 25, 1937.
Coats and fur collars, Fur. Vigder Bros., Inc. 352,534; Nov. 30.
Coats and snow suits, Children's. Stern & Herf Corp. 352,491; Nov. 30; Serial No. 395,686; published Sept. 21, 1937.
Coats and suits. Frank Levinsohn & Bros., Inc. 352,532; Nov. 30.
Dresses, suits, shirts, jackets, etc. Adler & Adler, Inc. 352,495; Nov. 30; Serial No. 395,801; published Sept. 21, 1937.
Dresses, Women's. George Hess Co. Inc. 352,544–6; Nov. 30.
Dresses, Work. C. P. Holzderber. 352,488; Nov. 30; Serial No. 395,667; published Sept. 21, 1937.
Ear muffs. Portis Bros. Hat Co. 352,442; Nov. 30; Serial No. 394,803; published Aug. 31, 1937.
Hosiery. G. & H. Hosiery Company. 352,514; Nov. 30; Serial No. 395,663; published Sept. 21, 1937.
Hosiery. Interwoven Stocking Company. 352,505; Nov. 30; Serial No. 396,082; published Sept. 21, 1937.
Hosiery. S. H. Kress and Company. 352,489; Nov. 30; Serial No. 395,673; published Sept. 21, 1937.
Hosiery. Phoenix Hosiery Company. 352,525; Nov. 30.
Overcoats. Spear & Company. 352,456; Nov. 30; Serial No. 395,054; published Sept. 21, 1937.
Pajamas, Women's. Mittelman, Bernstein Co. 352,494; Nov. 30; Serial No. 395,797; published Sept. 21, 1937.
Slips, Women's and misses'. Collegiate Mfg. Co. 352,530; Nov. 30.
Suits and overcoats. Rogers Peet Company. 352,342; Nov. 30; Serial No. 386,270; published Sept. 21, 1937.
Suits, coats, vests, etc. Utex Clothes, Inc. 352,385; Nov. 30; Serial No. 393,153; published Sept. 21, 1937.
Underwear, Women's. R. H. Macy & Co. 352,349; Nov. 30; Serial No. 387,750; published Sept. 21, 1937.

CLASS 41

Umbrellas. Frankford Umbrella Manufacturing Co. 352,475; Nov. 30; Serial No. 395,408; published Sept. 14, 1937.

CLASS 42

Carpets and rugs. Charles P. Cochrane Company. 352,543; Nov. 30.
Fabric. Brand & Oppenheimer, Inc. 352,437; Nov. 30; Serial No. 394,740; published Sept. 21, 1937.
Fabrics. Linker & Herbert, Inc. 352,483; Nov. 30; Serial No. 395,621; published Sept. 21, 1937.
Fabrics. Harry L. Sheinman & Sons Inc. 352,496; Nov. 30; Serial No. 395,840; published Sept. 21, 1937.
Fabrics, Sulting. W. H. Prendergast Company. 352,526; Nov. 30.
Linings, Neckwear tie. M. J. Mack Corp. 352,540–1; Nov. 30.
Piece goods. W. T. Grant Company. 352,435; Nov. 30; Serial No. 394,706; published Sept. 21, 1937.
Piece goods. H. D. Spielberg. 352,355; Nov. 30; Serial No. 389,485; published Aug. 31, 1937.
Piece goods, Wool and camel's hair. Max Levine & Co. 352,476; Nov. 30; Serial No. 395,422; published Sept. 21, 1937.
Suitings and dress linens, toweling, etc., Linen. Samuel Lamont & Sons (New York) Limited. 352,453; Nov. 30; Serial No. 394,992; published Sept. 21, 1937.

CLASS 43

Yarn, Knitting. Sears, Roebuck and Co. 352,500; Nov. 30; Serial No. 395,885; published Sept. 21, 1937.
Yarns. Porter (Philadelphia) Inc. 352,384; Nov. 30; Serial No. 392,937; published Sept. 21, 1937.
Yarns, Treated. Sylvanic Company. 352,463; Nov. 30; Serial No. 395,178; published Sept. 14, 1937.

CLASS 44

Nipples, nipple retaining caps, sealing discs, etc. Pyramid Rubber Company. 352,346; Nov. 30; Serial No. 387,346; published Sept. 21, 1937.
Prophylactic rubber articles. Griffsen Rubber Company. 352,513; Nov. 30; Serial No. 396,309; published Sept. 21, 1937.

CLASS 45

Beverages. Tavern Fruit Juice Co. 352,472; Nov. 30; Serial No. 395,363; published Sept. 21, 1937.
Beverages and syrups, extracts and flavors for making the same. Blue Seal Extract Company. 352,507; Nov. 30; Serial No. 396,115; published Sept. 21, 1937.
Syrups, extracts, and flavors. Clyde Collins, Incorporated. 352,443; Nov. 30; Serial No. 394,825; published Aug. 24, 1937.

CLASS 46

Biscuits and wafers. A. Romary & Company Limited. 352,486; Nov. 30; Serial No. 395,929; published Sept. 21, 1937.
Butter. A. H. Phillips, Inc. 352,328; Nov. 30; Serial No. 381,081; published Sept. 21, 1937.
Butter, yoghurt milk, ice-cream, etc. E. Spieker. 352,372; Nov. 30; Serial No. 391,715; published Sept. 21, 1937.
Canned orange juice. Treesweet Products Co. 352,509; Nov. 30; Serial No. 396,172; published Sept. 21, 1937.
Canned vegetables. Kenneth N. Rider Company. 352,504; Nov. 30; Serial No. 396,014; published Sept. 21, 1937.
Coffee, tea, cocoas, etc. Reiss & Bernhard, Inc. 352,365; Nov. 30; Serial No. 391,147; published Sept. 21, 1937.
Extract, Flavoring. G. Arras. 352,363; Nov. 30; Serial No. 391,016; published Sept. 21, 1937.
Feed, Dairy and poultry. Southern States Cooperative, Incorporated. 352,348; Nov. 30; Serial No. 387,521; published Sept. 21, 1937.

Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Edeby, John A., et al. (See Nilson, Harold, assignor.)
Edible Bottle Company. (See Hall, Charles G., assignor.)
Edwards, Charles R., Houston, Tex. Fluid transmission scale. 2,099,955; Nov. 23.
Eggert, John, Leipzig-Gohlis, and G. Heymer, Wolfen Kreis, Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for projecting lenticular film. 2,100,134; Nov. 23.
Elbert, Fritz, Munich, Germany, assignor to R. Wolfff, Basel, Switzerland. Escapement device on paper carriages for typewriters. 2,100,071; Nov. 23.
Elber, Clarence W., and E. J. Gerondale, Detroit, Mich. Air conditioning apparatus. 2,100,072; Nov. 23.
Ekstrand, Ernest W., New Rochelle, assignor to Ekstrand M'f'g Co., Inc., New York, N. Y. Ashtray. 2,100,073; Nov. 23.
Ekstrand M'f'g Co. (See Ekstrand, Ernest W., assignor.)
Electric and Musical Industries Limited. (See McGee, James D., assignor.)
Ellis, Carleton, assignor, by mesne assignments, to Ellis-Foster Company, Montclair, N. J. Composition of matter adapted for increasing the water-resistance of fibrous substances specifically paper products and making same. 2,099,880; Nov. 23.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Emery, Alfred H., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y. Shockproof attachment for dial indicators. 2,099,930; Nov. 23.
Emmer, Charles E., assignor to Cercla, Inc., Chicago, Ill. Blinding device. 2,099,881; Nov. 23.
Engstrand, Gunnar C., Matawan, N. J., assignor to S. Marmorek, New York, N. Y. Apparatus for the movement of viscous materials. 2,100,185; Nov. 23.
Enterprise Manufacturing Company, The. (See Khoenle, Herman F., assignor.)
Ernst, Ben H., Buffalo, N. Y. Street sign. 2,099,882; Nov. 23.
Espenschied, Lloyd, Kew Gardens, N. Y., and H. E. Curtis, East Orange, N. J., assignors to American Telephone and Telegraph Company. Shielded circuits for open wire lines. 2,099,800; Nov. 23.
Etched Products Inc. (See Marshall, Donald A., assignor.)
Etten, Nicholas L., assignor to Chamberlain Corporation, Waterloo, Iowa. Wringer release and reset mechanism. 2,100,074; Nov. 23.
Evans, Walter B., F. C. Garratt, Jr., and E. F. Hoppes, assignors to The Everwear Manufacturing Company, Springfield, Ohio. Swing seat. 2,100,002; Nov. 23.
Everson, Roy B., Chicago, Ill. Electrolytic apparatus for preparing chemical solutions. 2,099,801; Nov. 23.
Everwear Manufacturing Company, The. (See Evans, W. B.Garratt, and Hoppes, assignors.)
Ewing, Herbert O., Middleport, Ohio. Fuel reclaiming device. 2,099,802; Nov. 23.
Eynon, Thomas M., Philadelphia, Pa. Making gauges. 2,099,803; Nov. 23.
Fagan, Edgar W. J., Brooklyn, assignor of one-half to A. G. George, New York, N. Y. Figure toy. 2,100,245; Nov. 23.
Fairbanks, Morse & Company. (See Mahana, Charles G., assignor.)
Faris, Joseph W., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time stamp ribbon feed mechanism. 2,100,027; Nov. 23.
Farnsworth, Philo T., San Francisco, Calif., assignor to Farnsworth Television Incorporated Thermionic oscillograph. 2,099,846; Nov. 23.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Farwell, Joseph S. (See Allen, G. W., and Farwell.)
Feitosa, Francisco, New York, N. Y. Bomb protection apparatus. 2,100,211; Nov. 23.
Ferrer, Maxime, Jamaica, N. Y. Electrically actuated dispensing apparatus. 2,100,212; Nov. 23.
Ferris, Seymour W., Aldan, W. F. Houghton, Swarthmore, and H. C. Cowles, Jr., assignors to The Atlantic Refining Company, Philadelphia, Pa. Treatment of wax mixtures. 2,099,683; Nov. 23.
Field, Florence F. (See Field, Walter P., assignor.)
Field, W. & F. F., Company. (See Field, Walter P.)
Field, Walter P., assignor to F. F. Field, Brockton, Mass., doing business as W. & F. F. Field Company. Reinforced last for boots and shoes. 2,100,278; Nov. 23.
Fillor Famous Facial Corporation. (See Lohr, Hans, assignor.)
Finch, William G. H., New York, N. Y. Telepicture translating mechanism. 2,100,161; Nov. 23.
Fine Art Novelty Corporation. (See Johnson, R. W., Loverch, and Zaum, assignors.)
Finger, Paul E., assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,122; Nov. 23.
Finnegan, Martin J., New York, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J. Engine starting mechanism. 2,099,804; Nov. 23.
Fisher, Martin T., et al. (See Dailey, Jay F., assignor.)
Fitch, Benjamin F., Greenwich, Conn. Mechanism for handling freight containers. 2,099,684; Nov. 23.
Flatley, Edward G. (See Flatley, John H., assignor.)
Flatley, John H., Little York, assignor of one-half to E. G. Flatley, Rock Island, Ill. Hog trap. 2,099,956; Nov. 23.
Flood, Arne. (See Schmidt-Nielsen, S., and Flood.)
Florman, Irving, New York, N. Y. Container. 2,099,805; Nov. 23.
Florman, Irving, New York, N. Y. Electric dry shaver. 2,100,135; Nov. 23.
Floyd, Eugene P., and A. G. Hackney, Tucapau, assignors of one-half to C. C. Wyche, D. Russell, S. J. Nichols, and A. Moore, Spartanburg, and G. Hill, Wellford, S. C. Pattern control and shedding mechanism for looms. 2,099,729; Nov. 23.
Floyd-Wells Company, The. (See Schneider, Frank H., assignor.)
Floyd-Wells Company, The. (See Teague, Walter D., Jr., assignor.)
Food Machinery Corporation. (See Keech, Dana E., assignor.)
Foster, Frank A., Maywood, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting machine. 2,100,003; Nov. 23.
Fourness, Charles A., Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill. Tampon. 2,099,931; Nov. 23.
Fowler, Harry R., Toledo, Ohio. Vehicle wheel mounting for independent shifting. 2,100,136; Nov. 23.
Frayer, Lee A., Kent, assignor to The Lamson & Sessions Company, Cleveland, Ohio. Transfer mechanism. 2,100,028; Nov. 23.
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Magnetron discharge tube apparatus. 2,100,162; Nov. 23.
Fuller, Muriel K., et al. (See Cook, Donald D., assignor.)
Galloway, Clarence T. (See Bullock, E. W., Galloway, Carlsen, and Condon.)
Gamel, Gayne D. (See Dyer, L. W., and Gamel.)
Gammeter, John R., Akron, Ohio, assignor to United States Rubber Compan- New York, N. Y. Porous rubber product and making the same. 2,100,029; Nov. 23.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Printing mechanism. 2,100,213; Nov. 23.
Garfinkel, Louis, assignor to T & R Jewelry Co., Providence, R. I. Article of jewelry. 2,099,730; Nov. 23.
Garratt, Fred C., Jr. (See Evans, W. B., Garratt, and Hoppes.)
Gasoline Products Company. (See Atwell, Harold V., assignor.)
Gasoline Products Company. (See Keith, Percival C., Jr., assignor.)
Gassen, Josef, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Handling rolled material. 2,100,075; Nov. 23.
Gebauer, Charles L., Cleveland, and W. H. Brown, Bedford, Ohio, assignors to The Gebauer Chemical Company, Cleveland, Ohio. Dispensing apparatus. 2,099,847; Nov. 23.
Gebauer Chemical Company, The. (See Gebauer, C. L., and Brown, assignors.)
Gelbman, Louis, Yonkers, N. Y. Ski plane. 2,099,731; Nov. 23.
General Aniline Works, Inc. (See Holzach, K., and Niemann, assignors.)
General Electric Company. (See Cain, Bernard M., assignor.)
General Electric Company. (See Henninger, Alan E., assignor.)
General Electric Company. (See Kelley, Floyd C., assignor.)
General Electric Company. (See King, Ralph E., assignor.)
General Electric Company. (See McFarland, James L., assignor.)
General Motors Corporation. (See Horlacher, Elmer L., assignor.)
General Motors Corporation. (See Smith, N. J., and Chambers, assignors.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
Gentry, Cecil R. (See Reeves, C. R., and Gentry.)
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
George, Adam G. (See Fagan, Edgar W. J., assignor.)
George, Roscoe H., and H. J. Helm, La Fayette, Ind., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Television system. 2,100,279; Nov. 23.
Gerondale, Elmond J. (See Elber, C. W., and Gerondale.)
Gibling, Harold F., Pawtucket, assignor to Manville Jenckes Corporation, Manville, R. I. Binding machine. 2,100,004; Nov. 23.
Gibson, Inc. (See Hart, Guy, assignor.)
Gilmore, William E., Lyndhurst, N. J. Generator operation. 2,100,076; Nov. 23.
Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,124; Nov. 23.
Gilpin, Garth G., Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,125; Nov. 23.

Glawe, Raymond W., Acampo, Calif. Traffic signal. 2,100,246; Nov. 23.
Gleason, Anthony H. (See Steik, K. T., and Gleason.)
Gleason Works. (See Bullock, E. W., Galloway, Carlsen, and Condon, assignors.)
Goldberger, Oscar, assignor to Rotor-Table Games, Inc., New York, N. Y. Rotary game table. 2,100,280; Nov. 23.
Goodman, Martin, assignor to The Neatform Co. Inc., New York, N. Y. Girdle. 2,100,163; Nov. 23.
Goodrich, B. F., Company, The. (See Bedell, James R., assignor.)
Goodrich, B. F., Company, The. (See Green, George W., assignor.)
Gora, John, assignor to All Metal Products Company, Wyandotte, Mich. Forming a popgun barrel. 2,099,806; Nov. 23.
Gordon, Joseph M., assignor of one-half to L. E. Line, South Bend, Ind. Dispenser control means. 2,099,732; Nov. 23.
Goss Printing Press Company, The. (See Foster, Frank A., assignor.)
Graham, Clarence R., Palo Alto, assignor to James Graham Manufacturing Co., San Francisco, Calif. Air circulating heater. 2,099,883; Nov. 23.
Graham, Elmer J., assignor of one-half to L. H. Rees, Denver, Colo. Adjustable speed limit indicator. 2,100,214; Nov. 23.
Graham, James, Manufacturing Co. (See Graham, Clarence R., assignor.)
Graham, Joseph W., Spokane, Wash. Toy airplane catapult. 2,099,957; Nov. 23.
Granzellius, Karl A. T. (See Sundelin, U., and Granzellius.)
Gray Processes Corporation, The. (See Mandelbaum, Malvin R., assignor.)
Green, George W., Wilmette, Ill., assignor to The B. F. Goodrich Company, New York, N. Y. Milking-machine inflation. 2,099,884; Nov. 23.
Gregory, Harold D., Haddon Heights, N. J., assignor to Radio Corporation of America, New York, N. Y. Tuning apparatus for radio receivers. 2,099,733; Nov. 23.
Gregory, Warren B., Hurtsboro, Ala. Knee action and chassis suspension for automobiles. 2,099,807; Nov. 23.
Grodhaus, Adolph F., Baytown, Tex. Flexible coupling for power drive. 2,099,848; Nov. 23.
Grosswelschede, Julius. (See Wallmann, C., Grosswelschede, and Kruse.)
Groves, Earl C., Jetmore, Kans. Cabinet table. 2,100,247; Nov. 23.
Groves, Roy, Sylvia, Kans. Corn combine. 2,100,137; Nov. 23.
Gumbiner, Robert. (See Murdock, Sidney A., assignor.)
Gussow, Abraham, Brooklyn, N. Y. Nightdress and pajama. 2,100,050; Nov. 23.
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,100,005; Nov. 23.
Gyro Process Company. (See Throckmorton, John W., assignor.)
Haas, Lucien L. (See MacKenzie, R. J., and Haas.)
Haas, Lucien L., assignor to Buffalo Pressed Steel Company, Inc., Buffalo, N. Y. Silencer. 2,100,030; Nov. 23.
Hackman, William C., Baltimore, Md. Light projecting apparatus. 2,099,975; Nov. 23.
Hackney, Arthur G. (See Floyd, E. P., and Hackney.)
Hagedorn, Max, Dessau in Anhalt, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of shaped articles. 2,099,976; Nov. 23.
Hagopian, Charles H., New York, N. Y. Tub shower. 2,100,186; Nov. 23.
Hall, Charles G., Caldwell, Idaho, assignor to Edible Bottle Company. Device for making frozen confections. 2,100,031; Nov. 23.
Hall, Charles O., East Orange, N. J. Variable speed gear transmission. 2,099,734; Nov. 23.
Hall, Horace W., Newton, Mass. Playing racket. 2,099,735; Nov. 23.
Haller, Herbert L. J. (See Schaffer, P. S., and Haller.)
Hallner, Enoch, Ericson, Nebr. Smoke filter for smoking devices. 2,100,051; Nov. 23.
Hallstein, Raymond F., Philadelphia, Pa. Tobacco pipe. 2,100,248; Nov. 23.
Hamilton, Cliff S., Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich. Aromatic oxyketone arsenicals and making them. 2,099,685; Nov. 23.
Hamilton, Cliff S., Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich. Organic arsenic compounds. 2,099,686; Nov. 23.
Hammaren, Fredrik. (See Sundelin, U., and Granzellius, assignors.)
Handley, John, London, England. Registering and displaying apparatus particularly applicable to totalizators. 2,100,164; Nov. 23.
Handrek, Hans, Bad Klosterlausnitz, assignor to Porzellanfabrik Kahla, Kahla, Germany. Entrance insulation for electrical conductors. 2,100,187; Nov. 23.
Hansen, Arnold M., Jylland, Denmark. Bathing suit. 2,099,885; Nov. 23.
Hansmann, Elwood, Glencoe, assignor to Stewart-Warner Corporation, Chicago, Ill. Windshield cleaner. 2,100,188; Nov. 23.
Hardy, Charles R. (See Blanchard, P. D., and Hardy.)
Hardy, James J., Jr., Cincinnati, Ohio. Electrical connecter. 2,100,009; Nov. 23.
Harmon, Benjamin G. (See Schoengarth, Walter L., assignor.)
Harris, Owen D., Petersburg, Ind. Adjustable body support. 2,099,977; Nov. 23.
Harrison, Geoffrey B., and S. D. Threadgold, Ilford, assignors, by mesne assignments, to Dufay-Chromex Limited, Aldwych, London, England. Printing or reproducing color photographs. 2,100,006; Nov. 23.
Harrison, Henry, Conshohocken, Pa. Display device. 2,100,077; Nov. 23.
Harrison, Sarah A., Omaha, Nebr. Button backer. 2,100,103; Nov. 23.
Hart, Guy, assignor to Gibson, Inc., Kalamazoo, Mich. Neck for musical instruments. 2,100,249; Nov. 23.
Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control apparatus. 2,099,687; Nov. 23.
Hasson, Paul R., and N. C. Storey, Leeds, England. Hydraulic hoist. 2,099,886; Nov. 23.
Hauton, Paul S., Atlanta, Ga. Mechanical pencil. 2,100,007; Nov. 23.
Havill, Clinton H., South Orange, assignor to Eclipse Aviation Corporation, East Orange, N. J. Aircraft. 2,099,808; Nov. 23.
Heath, Laurence R., assignor to Buffalo Pressed Steel Company Inc., Buffalo, N. Y. Muffler. 2,099,887; Nov. 23.
Heberlein Patent Corporation. (See Weiss, Ernst, assignor.)
Hedfield, Reynold T., and H. Seegers, assignors to Jas. P. Marsh Corporation, Chicago, Ill. Thermometer. 2,099,899; Nov. 23.
Hejduk, Frantisek, and J. Neumann, Prague, Czechoslovakia. Meter for measuring and registering liquid volumes received and delivered. 2,100,052; Nov. 23.
Helm, Howard J. (See George, R. H., and Helm.)
Heldt, Friedrich, Gelsenkirchen, Germany. Bristle for cleaning devices. 2,100,138; Nov. 23.
Henninger, Alan E., South Ardmore, Pa., assignor to General Electric Company. Circuit breaker control system. 2,100,215; Nov. 23.
Henningsen, Poul, Charlottenlund, near Copenhagen, assignor to Louis Poulsen & Co., Copenhagen, Denmark. Multipleshade holder. 2,100,078; Nov. 23.
Hermsdorf, Walter H., assignor to Chain Store Products Corporation, Chicago, Ill. Hair waving device. 2,099,736; Nov. 23.
Herold, Walter F., and L. Deutsch, assignors to The Chaney Manufacturing Company, Springfield, Ohio. Mount for indicators. 2,099,958; Nov. 23.
Herz, Cornelius M. (See Irwin, R. W., and Herz.)
Hess, Everett I., Newport, R. I. Fruit cutting device. 2,099,978; Nov. 23.
Hewlett, Amlot P. (See Barlow, E. H., Hewlett, and Kuhl.)
Heyl, George V., Chicago, Ill., assignor to Johnson & Johnson, New Brunswick, N. J. Protective coating for tennis strings and the like. 2,100,250; Nov. 23.
Heymer, Gerd. (See Eggert J., and Heymer.)
Hill, Edward G., Richmond, Va., and J. X. Phillips, Washington, D. C., assignors to Hill Engineering Corporation, Richmond, Va. Brake control mechanism. 2,100,053; Nov. 23.
Hill Engineering Corporation. (See Hill, E. G., and Phillips, assignors.)
Hill, George. (See Floyd, E. P., and Hackney.)
Hill, Warren E., Northampton, and C. L. McArthur, Cambridge, assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brush and making the same. 2,099,688; Nov. 23.
Hill, Warren E., Northampton, Mass., and F. A. Parkhurst, Bethesda, Md., assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass. Making self-sterilizing brushes. 2,099,888; Nov. 23.
Hillery-Collings, Charles E., Mitcham, England. Cinematographic camera and projector. 2,100,000; Nov. 23.
Hirsch, Georg H. (See Curstädt, Victor, assignor.)
Hobbs, Howard F., Leamington Spa, England. Automatically variable power transmission mechanism. 2,100,251; Nov. 23.
Hoe, R., & Co. (See Meyer, Joseph E., assignor.)
Hoe, R., & Co. (See Quick, C. G., Ball, and Whitehead, assignors.)
Hoffman Combustion Engineering Company. (See Hoffman, Jerome A., assignor.)
Hoffman, Jerome A., assignor to Hoffman Combustion Engineering Company, Detroit, Mich. Mechanical stoker. 2,100,252; Nov. 23.
Hokerk, Lynde D., Utica, assignor to Kerk Guild, Inc., Whitesboro, N. Y. Fly swatter. 2,100,032; Nov. 23.
Holmberg, August W., Brooklyn, and C. W. Holmberg, New Rochelle, N. Y. Faucet spray and strainer nozzle. 2,100,165; Nov. 23.
Holmberg, Centre W. (See Holmberg, August W., and C. W.)
Holmes, Frederick T., Waterbury, Conn. Rotational trigger mechanism. 2,099,849; Nov. 23.

Holzach, Karl, and G. Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble metal salts of phthalocyanine-sulphonic acids. 2,099,689; Nov. 23.
Holzach, Karl, and G. Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-insoluble salts of phthalocyanine-sulphonic acids. 2,099,690; Nov. 23.
Honda, Kikutaro, Osaka, Japan. Apparatus for giving drafts to cotton slivers. 2,100,139; Nov. 23.
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopkins, Albert J., Toronto, Ontario, Canada. Spark plug core. 2,099,737; Nov. 23.
Hopkinson, Russell, and A. V. Tolstoouhov, assignors to Ostro Research Laboratories, Inc., New York, N. Y. Anesthetic tannate. 2,100,054; Nov. 23.
Hoppes, Edwin F. (See Evans, W. B., Garratt, and Hoppes.)
Horlacher, Elmer L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,100,288; Nov. 23.
Horton, Erwin C. (See Hueber, H., and Horton.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Window cleaner. 2,100,055; Nov. 23.
Houde Engineering Corporation. (See Peo, R. F., and Drysdale, assignors.)
Houghton, Willard F. (See Ferris, S. W., Houghton, and Cowles.)
Howard, Frank A., Elizabeth, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,099,850; Nov. 23.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Motor vehicle temperature modifier. 2,100,281; Nov. 23.
Hughes, Philip C., Brooklyn, N. Y. Vending machine. 2,100,216; Nov. 23.
Humphner, Ferdinand W., Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Co. Decalcomania. 2,100,140; Nov. 23.
Hunter, Gerald G., H. M. Pryale, and S. C. Clark, assignors to Baldwin Rubber Company, Pontiac, Mich. Floor covering. 2,099,809; Nov. 23.
Hunter, William H., Webb City, Mo. Spiral packed working barrel valve body. 2,099,691; Nov. 23.
Hygrade Sylvania Corporation. (See McCarthy, Henry J., assignor.)
Hygrade Sylvania Corporation. (See Miller, Carl F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Alles, Richard, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Heymer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hagedorn, Max, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tietz, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See von der Horst, H. D. F., Muenz, and Vogt, assignors.)
Iams, Harley A., Collingswood, N. J., assignor to Radio Corporation of America. Method and apparatus for television transmission. 2,099,980; Nov. 23.
Illusigraph Corporation. (See Stonebraker, Fred, Sr.)
Imperial Chemical Industries Limited. (See Baldwin, A. W., and Piggott, assignors.)
Industrie A. G. Allegro. (See Barsch, Guillaume, assignor.)
International Cellucotton Products Company. (See Fourness, Charles A., assignor.)
International Harvester Company. (See Baker, D. B., Rogers, and Panzegrau, assignors.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
Intertype Corporation. (See Righter, Edward M., assignor.)
Intertype Corporation. (See Sperry, Samuel E., assignor.)
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of trihydric phenols. 2,099,738; Nov. 23.
Irsch, George J., Harvey, assignor of one-half to W. B. Stephenson, Chicago, Ill. Gas separator for incinerators. 2,100,189; Nov. 23.
Irwin, Robert W., and C. M. Herz, Grand Rapids, Mich. Conveyer mechanism. 2,100,253; Nov. 23.
Irwin, William R., assignor to Springfield Boiler Company, Springfield, Ill. Steam generator. 2,099,851; Nov. 23.
Isaacson, Carl C., assignor to L. J. Sladek, Chicago, Ill. Water tank cover. 2,099,932; Nov. 23.
Ives, Herbert E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system. 2,099,889; Nov. 23.
Jackson, George P., Flushing, assignor to Combustion Engineering Company, Inc., New York, N. Y. Controlling superheat temperature. 2,100,190; Nov. 23.
Jackson, Thomas G., assignor to Molins Machine Company, Limited, London, England. Wrapping of block shaped articles. 2,100,141; Nov. 23.
James, Henry V., Radlett, England. Regulating the speed of polyphase alternate current motors. 2,099,890; Nov. 23.
Janssen, Henry, assignor to Textile Machine Works, Wyomissing, Pa. Multisection braiding machine. 2,099,933; Nov. 23.
Jebeles, G. J. (See Sutherlin, Walter F., assignor.)
Jenkins, Clarence E., Keene, N. H., assignor to Bocji Corporation, trustee, Pittsburgh, Pa. Extraction of juice from vegetable pulp and like materials. 2,099,739; Nov. 23.
Jenkins, Francis T., Ealing, London, England. Mercurial electric cut-out. 2,100,033; Nov. 23.
Jiffy Lubricator Company. (See Johnson, August, assignor.)
Johannesson, Karl Y., Berwick, Pa. Fountain pen. 2,099,891; Nov. 23.
Johns-Manville Corporation. (See Kieselbach, Henry A., assignor.)
Johns-Manville Corporation. (See Seigle, William R., assignor.)
Johnson, August, assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak. Hand and air low pressure grease gun. 2,099,959; Nov. 23.
Johnson, Edgar B. (See Roberts, R. P., and Johnson.)
Johnson, Elmer W. (See Bellman, Edward L., assignor.)
Johnson, Herbert F., Pittsfield, Mass. Printer's gauge. 2,100,217; Nov. 23.
Johnson, James R., assignor to The Palmer Brothers Company, New London, Conn. Manufacture of mattresses. 2,100,104; Nov. 23.
Johnson & Johnson. (See Heyl, George V., assignor.)
Johnson, Raymond B., assignor of three-fourths to J. Kraker, Gladewater, Tex. Wrench. 2,099,960; Nov. 23.
Johnson, Richard W., C. L. Loverch, and M. Zaum, Brooklyn, assignors to Fine Art Novelty Corporation, New York, N. Y. Sewing machine. 2,100,166; Nov. 23.
Johnstone, Harold G., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Perforating apparatus. 2,099,892; Nov. 23.
Jones, William, Soho Foundry, Birmingham, assignor to J. O. Powell, Gorseinon, near Swansea, Wales, England. Machine for grading or sorting by weight. 2,099,893; Nov. 23.
Joplin, William A., Quincy, Mass., assignor to Reinforced Paper Bottle Corporation, New York, N. Y. Compressor mechanism. 2,099,934; Nov. 23.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Material loading apparatus. 2,099,981; Nov. 23.
Judelshon, Oscar L., Park Ridge, N. J. Cutting and winding machine. 2,100,079; Nov. 23.
Kalle & Co. Aktiengesellschaft. (See Zahn, Rudolf, assignor.)
Kapella Limited. (See Lee, Horace W., assignor.)
Kaps, Richard A., et al., trustees. (See Ducker, Louis F., assignor.)
Kaufmann, Arthur G., Associated, Calif., assignor, by mesne assignments, to Tide Water Associated Oil Company. Emulsifying oil. 2,099,894; Nov. 23.
Kawneer Company, The. (See Plym, Francis J., assignor.)
Kayser, Jullus, & Company. (See Underwood, J., and Mack, assignors.)
Keech, Dana E., Glendale, Calif., assignor, by mesne assignments, to Food Machinery Corporation. Tucking mechanism. 2,100,282; Nov. 23.
Keith, Percival C., Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oil. 2,100,283; Nov. 23.
Kelley, Floyd C., Schenectady, N. Y., assignor to General Electric Company. Meter pivot. 2,100,218; Nov. 23.
Kendzierski, Andrew, Buffalo, N. Y. Demountable tire rim. 2,099,895; Nov. 23.
Kennedy, Leo W., Detroit, Mich. Showcase and sham construction. 2,099,935; Nov. 23.
Kennison, Karl R., Newton, Mass., assignor to Builders Iron Foundry, Providence, R. I. Open nozzle. 2,100,219; Nov. 23.
Kerk Guild, Inc. (See Kokerk, Lynde D., assignor.)
Kerrick, Walter B. (See Clayton, B., Kerrick, and Stadt.)
Kerrick, Walter B. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Khalil, Seyed, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,099,810; Nov. 23.
Khoenle, Herman F., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Casting bait. 2,100,289; Nov. 23.
Kleckhefer Container Company. (See Kleckhefer, Herbert M., assignor.)
Kleckhefer, Herbert M., Riverton, assignor, by mesne assignments, to Kleckhefer Container Company, Delair, N. J. Manufacturing containers or parts thereof. 2,099,936; Nov. 23.
Kiehl, Royal. (See Klamp, P., and Kiehl.)
Kieselbach, Henry A., Montclair, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Thermal insulation. 2,099,740; Nov. 23.
King, Joseph M., Detroit, Mich. Fluid-thermo-valve. 2,099,811; Nov. 23.
King, Ralph E., Fort Wayne, Ind., assignor to General Electric Company. Shaft seal. 2,100,220; Nov. 23.
Kingston Products Corporation. (See Douglas, Harry A., assignor.)

Kinsel, Augustus B., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Indicating extensometer. 2,099,896; Nov. 23.
Kirk, William F. (See Blake, Henry W., assignor.)
Klamp, Paul, and R. Kiehl, assignors to The Timken Roller Bearing Company, Canton, Ohio. Optical bore comparator. 2,100,056; Nov. 23.
Klayf, Hyman, Chicago, Ill. Saucer for cups. 2,099,741; Nov. 23.
Kleidon, Gustave C. (See Moyer, A. F., and Kleidon.)
Klesa, Albert H., Stow, Ohio. Remote feed for liquid fuel. 2,099,742; Nov. 23.
Knudsen, Carl H., Brooklyn, assignor to Viking Diesel Motor Corporation, New York, N. Y. Internal combustion engine. 2,099,852; Nov. 23.
Koenig, Werner, Luzern, assignor to Landis & Gyr, A.-G., Zug, Switzerland. Variable impulse transmitter. 2,099,982; Nov. 23.
Koepp, Rudolph & Co. Chemische Fabrik A. G. (See König, Walter, assignor.)
Kofoed, James C., Northfield, Minn. Weeding and cultivating tool. 2,100,221; Nov. 23.
Konelsky, Ernest, Paris, France. Handbag. 2,099,853; Nov. 23.
König, Walter, Wiesbaden, assignor to Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich in Rheingau, Germany. Manufacture of shaped products impermeable to moisture. 2,099,812; Nov. 23.
Kraker, John. (See Johnson, Raymond B., assignor.)
Krebs, Henry, assignor to Packard Motor Car Company, Detroit, Mich. Valve spring. 2,100,057; Nov. 23.
Kridler, Bernie C., deceased, Flint, Mich.; P. W. Kridler, administrator. Clip for fastening roofing. 2,100,254; Nov. 23.
Kridler, Philip W., administrator. (See Kridler, Bernie C.)
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Time control system. 2,100,284; Nov. 23.
Kroeger, Ellwyn C., assignor to The Maytag Company, Newton, Iowa. Water softener. 2,099,743; Nov. 23.
Krumm, Theodore, Redlands, assignor to P. A. Wellein, Los Angeles, Calif. Washing apparatus. 2,099,692; Nov. 23.
Kruse, Bernard. (See Wallmann, C., Grossweischede, and Kruse.)
Kuhl, Paul E. (See Barlow, E. H., Hewlett, and Kuhl.)
Kurz, Fred, assignor to Sangamo Electric Company, Springfield, Ill. Electricity meter. 2,099,854; Nov. 23.
Lackinger, Frank P., McKees Rocks, Pa. Utensil. 2,100,080; Nov. 23.
Lafitte, Jacques P. L., Paris, France. Gridiron. 2,099,693; Nov. 23.
Lake, Simon, Milford, Conn. Internal combustion engine. 2,099,983; Nov. 23.
Lamson & Sessions Company, The. (See Frayer, Lee A., assignor.)
Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Polarizing optical system. 2,099,694; Nov. 23.
Landis & Gyr, A.-G. (See Koenig, Werner, assignor.)
Landis & Gyr, A.-G. (See Spahn, Emil, assignor.)
Landry, Winfield C. (See Moore, T. V., and Landry.)
Lang, Martin H., Minneapolis, Minn. Adjustable cushion filling machine. 2,099,897; Nov. 23.
Lansing, Raymond P., Montclair, N. J. Driving mechanism. 2,099,813; Nov. 23.
Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Hydraulic drive. 2,100,191; Nov. 23.
Larchar, Arthur W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of isopropyl sulphates. 2,099,814; Nov. 23.
Larkin, Elwood T., Eggertsville, assignor to C. A. Criqui, Buffalo, N. Y. Portable foundation for machinery. 2,099,898; Nov. 23.
Larson, Clayton E., Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y. Making composite bodies of zinc and aluminum. 2,100,255; Nov. 23.
Larson, Clayton E., Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y. Making composite bodies of zinc and aluminum. 2,100,256; Nov. 23.
Larson, Clayton E., Luisville, Ky., assignor to Reynolds Metals Company, New York, N. Y. Composite body of magnesium and aluminum and making same. 2,100,257; Nov. 23.
Larson, Clayton E., Luisville, Ky., assignor to Reynolds Metals Company, New York, N. Y. Composite body of copper and aluminum or copper and magnesium, and making same. 2,100,258; Nov. 23.
Lathrop, Harry D., Chicago, Ill., assignor to The Lathrop-Paulson Co. Weigh can and valve mechanism. 2,100,142; Nov. 23.
Lathrop-Paulson Co., The. (See Lathrop, Harry D., assignor.)
Lauterbur, Edward J., assignor to Peerless Bread Machinery Corporation, Sidney, Ohio. Apparatus for dough preparation. 2,099,937; Nov. 23.
Lean, Jennie L. (See Brock, Thomas J., assignor.)
Lebo, Robert B., Elizabeth, N. J., and B. T. Brooks, Old Greenwich, Conn., assignors to Standard Alcohol Company. Hydrolyzing reactive acid liquor. 2,099,855; Nov. 23.
Lee, Albert C., and W. Lee, New Haven, Conn. Signal for automobiles. 2,100,105; Nov. 23.
Lee, Horace W., assignor to Kapella Limited, Leicester, England. Lens. 2,100,291; Nov. 23.
Lee, Horace W., Chiswick, assignor to Kapella Limited, Leicester, England. Lens. 2,100,290; Nov. 23.
Lee, William. (See Lee, Albert C. and W.)
Lehew, Robert H., Highland Park, Mich. Detachable closure and spout for containers. 2,100,167; Nov. 23.
Leindorf, Joseph P., Pelham Manor, N. Y. Tray for canary cages. 2,100,192; Nov. 23.
Leon, Albert E. (See Curboy, James T., assignor.)
Leonard, Carl H., Wakefield, assignor of one-half to J. Ashford, Winnebago, Nebr. Wrench. 2,100,034; Nov. 23.
Lewis, Fritz J. (See Lewis, J. R., Perkins, and Lewis.)
Lewis, James R., S. Perkins, and F. J. Lewis, Hammond, La., assignors, by mesne assignments, to V. M. Thompson, McCrory, Ark. Precooling apparatus. 2,099,815; Nov. 23.
Lewis, Wilbur S., Rocky River, assignor to The Murlé Co., Cleveland, Ohio. Hair waving apparatus. 2,099,856; Nov. 23.
Lilienfeld, Leon, Vienna, Austria. Manufacture of new cellulose compounds and of artificial materials thereof. 2,100,010; Nov. 23.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Linear amplifier with extra wide band pass characteristics. 2,100,193; Nov. 23.
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Brake for trailers. 2,099,816; Nov. 23.
Line, Leland E. (See Gordon, Joseph M., assignor.)
Link-Belt Company. (See Waechter, F. F., and Watson, assignors.)
Link, Edwin A., Jr., Binghamton, N. Y. Trainer for aviators. 2,099,857; Nov. 23.
Lockhart, Marshall L., Des Moines, Iowa. Electrostethograph. 2,099,938; Nov. 23.
Loef, Jakob. Moosburg, Germany. Lifting-truck. 2,100,194; Nov. 23.
Lohr, Hans, Jackson Heights, assignor to Fillor Famous Facial Corporation, Long Island City, N. Y. Exterior body treatments. 2,099,744; Nov. 23.
Loverch, Charles L. (See Johnson, R. W., Loverch, and Zaum.)
Lowry, Erwin F., Forest Hills, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,100,195; Nov. 23.
Lowry, Erwin F., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electron discharge device. 2,100,196; Nov. 23.
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lubrication Corporation, The. (See Tear, Harry R., assignor.)
Lundquist, Gustaf, Hawthorne, Wis. Pipe connecter. 2,099,984; Nov. 23.
Lykins, William H., Covington, Ind. Collapsible bench and table structure. 2,099,745; Nov. 23.
Lyon Incorporated. (See Tinker, Herbert W., assignor.)
Mack Manufacturing Corporation. (See Matthews, Philip E., assignor.)
Mack, Sterling. (See Underwood, J., and Mack.)
MacKenzie, Roy J., and L. L. Haas, assignors to Buffalo Pressed Steel Company, Buffalo, N. Y. Muffler construction. 2,099,858; Nov. 23.
Macready, George A., Los Angeles, Calif. Collapsible rotary core drill. 2,099,859; Nov. 23.
Madaus, Dr. & Co. (See Madaus, Gerhard, assignor.)
Madaus, Gerhard, Dresden, assignor to the firm Dr. Madaus & Co., Radebeul, Saxonia, Germany. Production of preparations containing the active constituents of vegetable products. 2,100,081; Nov. 23.
Magnavox Company, The. (See Clark, Richard U., assignor.)
Mahana, Charles G., Three Rivers, Mich., assignor to Fairbanks, Morse & Company, Chicago, Ill. Vehicle bearing. 2,099,817; Nov. 23.
Mahoney, William E., Pawtucket, R. I., assignor to Premier Thead Company, Strand winding machine. 2,099,985; Nov. 23.
Maier, Frederick, Buffalo, N. Y. Doughnut forming machine. 2,099,900; Nov. 23.
Major, Randolph T., Plainfield, and W. L. Ruigh, Metuchen, assignors to Merck & Co., Inc., Rahway, N. J. Means and compositions for the stabilization of divinyl ether. 2,099,695; Nov. 23.
Mandelbaum, Malvin R., New York, N. Y., assignor to The Gray Processes Corporation, Newark, N. J. Recovery and purification of hydrocarbon oil. 2,100,011; Nov. 23.
Mankki, Onnie, Cleveland Heights, assignor to The Cleveland Welding Company, Cleveland, Ohio. Bicycle. 2,100,012; Nov. 23.
Mann, Alan N., trustee. (See McCaa, David G., assignor.)
Manville Jenckes Corporation. (See Gibling, Harold F., assignor.)
Marcus, Mary A., New York, N. Y. Treatment of psoriasis. 2,099,696; Nov. 23.
Mareska, Joseph, Cicero, Ill. Hair cutting device. 2,100,082; Nov. 23.
Marks, George A., Chicago, Ill. Diffuser. 2,099,767; Nov. 23.

Marmorek, Simon. (See Engstrand, Gunnar C., assignor.)
Marsh, Jas. P., Corporation. (See Hedfield, R. T., and Seegers, assignors.)
Marshall, Donald A., Toronto, Ontario, Canada, assignor, by mesne assignments, to Etched Products Inc., Detroit, Mich. Etching metals. 2,099,697; Nov. 23.
Martin, John W., et al. (See Cook, Donald D., assignor.)
Martin, Nicholas S., assignor to No-Re-Fil Cap Corp., Brooklyn, N. Y. Dispensing bottle top. 2,100,083; Nov. 23.
Martin, William A., Trenton, Mo. Mausoleum. 2,100,013; Nov. 23.
Mater, Annie. (See Buchheit, Henry F., assignor.)
Matsumoto, Josuke, Los Angeles, Calif. Button and clasp construction. 2,100,106; Nov. 23.
Matthews, Philip E., Plainfield, N. J., assignor to Mack Manufacturing Corporation. Independently sprung front wheel. 2,100,285; Nov. 23.
Mayer, Augustus, Springfield, Ill. Increasing the efficiency of boilers. 2,099,746; Nov. 23.
Maynard, Arthur H. (See Davis, E. W., and Maynard.)
Maytag Company, The. (See Kroeger, Ellwyn C., assignor.)
McArthur, Clifford L. (See Hill, W. E., and McArthur.)
McCaa, David G., Lancaster, Pa., assignor to A. N. Mann, Scarsdale, N. Y., trustee. Static limiting device. 2,099,818; Nov. 23.
McCarthy, Henry J., Danvers, assignor to Hygrade Sylvania Corporation, Salem, Mass. Filament support for radio tubes and the like. 2,100,306; Nov. 23.
McCracken, Fred M., Norwood, Ohio. Compressor. 2,100,014; Nov. 23.
McCubbing Pneumatic Harness Company. (See McCubbing, Robert, assignor.)
McCubbing, Robert, Barrhill, Dalbeattie, assignor to The McCubbing Pneumatic Harness Company, Limited, Dalbeattie, Scotland. Horse collar. 2,099,860; Nov. 23.
McDougall, George F., Portland, Oreg. Sampling valve. 2,099,939; Nov. 23.
McFarland, James L., Schenectady, N. Y., assignor to General Electric Company. Enameling furnace. 2,100,222; Nov. 23.
McGee, James D., Ealing, London, assignor to Electric and Musical Industries Limited, Hayes Middlesex, England. Television. 2,100,259; Nov. 23.
McGrady, Frank C., Washington, D. C. Light support. 2,100,058; Nov. 23.
McJoynt, Thomas L., Janesville, Wis. Pad filling apparatus. 2,099,861; Nov. 23.
McLaughlin, Robert W., Jr., assignor to American Houses, Inc., New York, N. Y. Building construction unit. 2,099,961; Nov. 23.
McMinn, Wiley W., Orange, N. J. Hollow metal shaft and manufacture of same. 2,100,307; Nov. 23.
McNalley, Alfred H. (See Duga, W. L., and McNalley.)
McNeill, George K., Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Pneumatic tire tread. 2,100,084; Nov. 23.
McRae, George H., Thomaston, Ga., assignor to Draper Corporation, Hopedale, Mass. Selvage forming device. 2,100,197; Nov. 23.
Megathlin, Ralph S., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat fitting machine. 2,099,698; Nov. 23.
Meininghaus, Ulrich, Mulheim-Ruhr, Germany. Turbine. 2,099,699; Nov. 23.
Melcher, Lee W., assignor to Waukesha Motor Company, Waukesha, Wis. Air conditioning means. 2,099,747; Nov. 23.
Melrath, Earle G., assignor to Melrath Supply & Gasket Co., Inc., Philadelphia, Pa. Barrel or drum flange unit. 2,100,168; Nov. 23.
Melrath Supply & Gasket Co. (See Melrath, Earle G., assignor.)
Mendivia, Manuel, Washington, D. C. Miniature offset press. 2,099,962; Nov. 23.
Mercier, Pierre E., Paris, France. Vehicle suspension. 2,099,819; Nov. 23.
Merck & Co. (See Major, R. T., and Ruigh, assignors.)
Merrick, Anson A., assignor to James Vernor Company, Detroit, Mich. Tying bottles together for stacking purposes, such as in displays. 2,100,035; Nov. 23.
Mertens, Paul, Newark, N. J. Eyeglass frame. 2,099,748; Nov. 23.
Mertis, Elmer, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Cooling device for hot seals. 2,099,700; Nov. 23.
Metcalf, Milton M., Vallejo, Calif. Steam actuated poppet valve gear for reciprocating pumping engines. 2,099,701; Nov. 23.
Meyer, Joseph E., Jackson Heights, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism for printing machines. 2,099,820; Nov. 23.
Michal, James, assignor to Storkline Furniture Corporation, Chicago, Ill. Brake for baby carriages. 2,100,036; Nov. 23.
Mid-States Gummed Paper Co. (See Humphner, Ferdinand W., assignor.)
Miehle Printing Press and Manufacturing Company. (See Wilkinson, William J., assignor.)
Miller, Carl F., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge device. 2,100,308; Nov. 23.
Miller, David, Los Angeles, Calif. Straw dispensing machine. 2,099,862; Nov. 23.
Miller, Edward L., Green Island, assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Centrifugal extracting and discharging mechanism. 2,099,863; Nov. 23.
Miller, Fred E., Philadelphia, Pa., assignor to Semet Solvay Engineering Corporation, New York, N. Y. Manufacture of distilled spirits. 2,099,864; Nov. 23.
Miller, John H., Short Hills, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Thermocouple ammeter. 2,100,260; Nov. 23.
Minneapolis-Honeywell Regulator Company. (See Hartig, Henry E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)
Mitchell, John E., Dallas, Tex. Extractor-cleaner machine. 2,100,198; Nov. 23.
Mitchell, John E., Dallas, Tex. Extractor-cleaner reclaiming machine. 2,100,199; Nov. 23.
Mitchell, John E., Dallas, Tex. Cotton cleaning and reclaiming machine. 2,100,300; Nov. 23.
Mitchell, John E., Dallas, Tex. Self-contained boll cotton extracting machine. 2,100,301; Nov. 23.
Mitchell, John E., Dallas, Tex. Self-contained boll cotton extracting machine. 2,100,302; Nov. 23.
Mitchell, John E., Dallas, Tex. Cotton cleaning and reclaiming machine. 2,100,303; Nov. 23.
Mock, Frank C., Montclair, assignor to Eclipse Aviation Corporation, East Orange, N. J. Internal combustion engine. 2,100,143; Nov. 23.
Molins Machine Company. (See Jackson, Thomas G., assignor.)
Montgomery, Edward, Knoxville, Tenn. Luggage rack. 2,100,261; Nov. 23.
Moore, Alfred, et al. (See Floyd, E. P., and Hackney, assignors.)
Moore, Roscoe, Kingston, Pa. Conveyer-propelled supply truck for use with shaking conveyers. 2,100,144; Nov. 23.
Moore, Thomas F., Morris Plains, N. J. Well point. 2,100,145; Nov. 23.
Moore, Thomas V., La Porte, and W. C. Landry, Houston, Tex., assignors to Standard Oil Development Company. Power clock of small diameter. 2,099,821; Nov. 23.
Moorhead, Albert L., Klamath Falls, Oreg. Sluice box and amalgamation concentrator. 2,100,262; Nov. 23.
Moran, Robert B. (See Bonney, L. F., and Moran.)
Morehouse, Silas A., Glendale, assignor to Rocky Mountain Steel Products, Inc., Los Angeles, Calif. Control system. 2,100,059; Nov. 23.
Morse Andrews Co. (See Morse, William J., assignor.)
Morse, William J., Attleboro, Mass., assignor to Morse Andrews Co. Combined collar holder and tie clasp. 2,099,901; Nov. 23.
Morton, Edmund R., assignor to Bell Telephone Laboratories, Incorporated, New Lork, N. Y. Sound picture system. 2,099,865; Nov. 23.
Mosley, Alfred J., Aurora, Ill. Grinding mill. 2,100,200; Nov. 23.
Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)
Moulton, Edward C., Newburgh, N. Y. Combined ashtray and snuffer. 2,100,263; Nov. 23.
Moyer, Amos F., and G. C. Kleidon, assignors, by mesne assignments, to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Tractor propelled gang lawn mower. 2,099,902; Nov. 23.
Muenz, Ferdinand. (See von der Horst, H. D. F., Muenz, and Vogt.)
Muller, Alfred W., New York, N. Y. Electric attachment plug. 2,099,986; Nov. 23.
Murdock, Sidney A., assignor, by mesne assignments, to R. Gumbiner, Los Angeles, Calif. Film driving system. 2,099,987; Nov. 23.
Murlé Co., The. (See Lewis, Wilbur S., assignor.)
Murphy, Frank L., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Air conditioning system for cars. 2,099,702; Nov. 23.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, P. H., Company. (See Finger, Paul E., assignor.)
Murphy, P. H., Company. (See Gilpin, Garth G., assignor.)
Murphy, P. H., Company. (See West, Victor E., assignor.)
Murphy, P. H., Company. (See Wilkoff, Louis C., assignor.)
Murray Corporation of America, The. (See Osborn, William C., assignor.)
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Driving mechanism. 2,099,768; Nov. 23.
Nassau, Max. (See Sommer, F., and Nassau.)
National Electric Products Corporation. (See Clayton, Martin M., assignor.)
Neatform Co. Inc., The. (See Goodman, Martin, assignor.)
Nelson, Carl O., Long Beach, Calif. Chain jack. 2,099,940; Nov. 23.
Neumann, Jan. (See Hejduk, F., and Neumann.)

Newman, Henry O., Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Production of vulcanized rubber. 2,100,085; Nov. 23.
Nichols, Sam J., et al. (See Floyd, E. P., and Hackney, assignors.)
Niemann, Georg. (See Holzach, K., and Niemann.)
Nilson, Harold, assignor of one-third to J. A. Edeby, Wayzata, and one-third to E. Berglund, Minneapolis, Minn. Lifting apparatus. 2,099,903; Nov. 23.
No-Re-Fil Cap Corporation. (See Martin, Nicholas S., assignor.)
Norris, Edward O., Port Chester, assignor to The Norris Painting Machinery Corporation, Inc., New York, N. Y. Spraying device. 2,099,988; Nov. 23.
Norris Painting Machinery Corporation, The. (See Norris, Edward O., assignor.)
Norton, Clifford, South Orange, N. J., assignor to Otis Elevator Company, New York, N. Y. Elevator roller guide shoe. 2,100,169; Nov. 23.
Nyquist, Harry, Millburn, N. J., assignor to American Telephone and Telegraph Company. Circuits embodying negative impedance. 2,099,769; Nov. 23.
Oakes Products Corporation. (See Duncan, Charles R., assignor.)
Oehmen, Hans, Berlin-Schmargendorf, Germany. Steering wheel. 2,100,147; Nov. 23.
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,099,822; Nov. 23.
Orth, Richard T., Orange, N. J., assignor to Radio Corporation of America. Electron tube. 2,099,749; Nov. 23.
Osborn, William C., Detroit, Mich., assignor to The Murray Corporation of America. Trim panel construction. 2,099,989; Nov. 23.
Ostro Research Laboratories, Inc. (See Hopkinson, R., and Tolstoouhov, assignors.)
Otis Elevator Company. (See Norton, Clifford, assignor.)
Otis Elevator Company. (See Waters, H., Paulson, and Troster, assignors.)
Packard Motor Car Company. (See Krebs, Henry, assignor.)
Packard Motor Car Company. (See Paton, Clyde R., assignor.)
Paden, William L., Dayton, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio. Counter selecting and operating means. 2,100,107; Nov. 23.
Page, James M., Jr. (See Buchler, C. C., and Page.)
Palmer Brothers Company, The. (See Johnson, James R., assignor.)
Panzegrau, Norman O. (See Baker, D. B., Rogers, and Panzegrau.)
Parke, Davis & Company. (See Hamilton, Cliff S., assignor.)
Parke, Davis & Company. (See Sharp, Elwood, A., assignor.)
Parker, Claire, Paris, France. Apparatus for producing images. 2,100,148; Nov. 23.
Parkersburg Iron and Steel Company, The. (See Renner, Verdon T., assignor.)
Parkhurst, Frederic A. (See Hill, W. E., and Parkhurst.)
Parks, Walter A., Milwaukee, Wis. Adjustable seat. 2,100,170; Nov. 23.
Paschke, Max, Clausthal-Zellerfeld, and E. Peetz, Duisburg-Huttenheim, Germany, assignors to H. A. Brassert & Co., Chicago, Ill. Manufacture of pig iron. 2,100,086; Nov. 23.
Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,099,703; Nov. 23.
Patten, Wilbert H., assignor to Trent Machine Company, Trenton, N. J. Washer placing machine. 2,100,015; Nov. 23.
Paulson, Arthur W. (See Waters, H., Paulson, and Troster.)
Peck, Cecil C., Cleveland, Ohio. Building construction. 2,099,941; Nov. 23.
Pedersen, Aksel M., et al. (See Dailey, Jay F., assignor.)
Peerless Bread Machinery Corporation. (See Lauterbur, Edward J., assignor.)
Peetz, Eugen. (See Paschke, M., and Peetz.)
Penn Metal Company. (See Spinosa, Arthur V., assignor.)
Pennington, Edmund W., Minneapolis, and C. E. Porter, Jr., St. Paul, assignors to Vivid-Ad, Inc., Minneapolis, Minn. Kaleidoscopic projection and apparatus therefor. 2,099,904; Nov. 23.
Peo, Ralph F., and W. D. Drysdale, assignors to Houde Engineering Corporation, Buffalo, N. Y. Governor clutch drive mechanism support. 2,099,750; Nov. 23.
People of the United States of America. (See Schaffer, P. S., and Haller, assignors.)
Perkins, Sidney. (See Lewis, J. R., Perkins, and Lewis.)
Perrin, René, assignor to Société d'Electrochimie d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France. Treatment of metals and slags. 2,100,264; Nov. 23.
Perrin, René, assignor to Société d'Electrochimie d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France. Manufacture of metal alloys. 2,100,265; Nov. 23.
Perry, Milton H., Lansing, Mich. Oil filter. 2,100,266; Nov. 23.
Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,099,823; Nov. 23.
Pestarini, Joseph M., Grant City, Staten Island, N. Y. Electrical machine inserted in a series network and operating at an adjustable constant speed. 2,100,171; Nov. 23.
Petroleum Processes Corporation, The. (See David, Aubrey D., assignor.)
Philadelphia Storage Battery Company. (See Brown, Reynolds D., Jr., assignor.)
Philco Radio & Television Corporation. (See Barry, Gerald J., assignor.)
Phillips, John X. (See Hill, E. G., and Phillips.)
Pick Manufacturing Company. (See Weasler, A. V., and Dooley, assignors.)
Piercy, Earl R., assignor to Thomas & Skinner Steel Products Company, Indianapolis, Ind. Sinker for knitting machines. 2,100,060; Nov. 23.
Piggott, Henry A. (See Baldwin, A. W., and Piggott.)
Pirich, George, Minneapolis, Minn. Furnace. 2,099,704; Nov. 23.
Pirsch, Peter, and Sons Co. (See Pirsch, Peter, assignor.)
Pirsch, Peter, assignor to Peter Pirsch and Sons Co., Kenosha, Wis. Tillerman's windshield for ladder truck trailers. 2,099,905; Nov. 23.
Pittsburgh Coal Company. (See White, Jerome C., assignor.)
Plaunt, Charles A., Maywood, Ill. Curtain fixture. 2,099,770; Nov. 23.
Plauson, Hermann. (See Braun, K., and Plauson.)
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Window construction. 2,099,751; Nov. 23.
Poor & Company. (See Disbrow, Clarkson A., assignor.)
Porter, Albert N., assignor to J. F. Darby, Tulsa, Okla. Spring shackle. 2,099,942; Nov. 23.
Porter, Charles E., Jr. (See Pennington, E. W., and Porter.)
Porzellanfabrik Kahla. (See Handrek, Hans, assignor.)
Potthast, Walter H., Manning, Iowa. Rotary combustion engine. 2,100,267; Nov. 23.
Poulsen, Louis, & Co. (See Henningsen, Poul, assignor.)
Powell, John O. (See Jones, William, assignor.)
Power Patents Company. (See Beattie, Cecil E., assignor.)
Prager, Herman, Metairie, La. Forming a draft passage in the end of a cigar. 2,099,963; Nov. 23.
Premier Thread Company. (See Mahoney, William E., assignor.)
Price, Abraham R., San Francisco, Calif. Garment marker. 2,099,943; Nov. 23.
Priou, Pierre A. M., Chinon, France. Photographic printing machine. 2,100,087; Nov. 23.
Pro-phy-lac-tic Brush Company. (See Hill, W. E., and McArthur, assignors.)
Pro-phy-lac-tic Brush Company. (See Hill, W. E., and Parkhurst, assignors.)
Pryale, Harry M. (See Hunter, G. G., Pryale, and Clark.)
Pullman-Standard Car Manufacturing Company. (See Murphy, Frank L., assignor.)
Quenelle, Charles C., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacturing wearing apparel and product thereof. 2,100,201; Nov. 23.
Quick, Cecil G., D. A. Ball, and W. A. Whitehead, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y. Delivery mechanism for use in delivering the products of printing machines in counted batches. 2,100,016; Nov. 23.
Qviller, Olaf, assignor to A/S Thunes Mekaniske Vaerksted, Skorjen by Oslo, Norway. Method and arrangement for filtering waste water (back water) from paper, cellulose, and wood pulp factories, etc. 2,100,149; Nov. 23.
Radio Corporation of America. (See Ballantine, Stuart, assignor.)
Radio Corporation of America. (See Banning, Thomas A., Jr., assignor.)
Radio Corporation of America. (See George, R. H., and Heim, assignors.)
Radio Corporation of America. (See Gregory, Harold D., assignor.)
Radio Corporation of America. (See Iams, Harley A., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Orth, Richard T., assignor.)
Radio Corporation of America. (See Shore, Henry, assignor.)
Radio Corporation of America. (See Wilson, James T., assignor.)
Radio Corporation of America. (See Wright, Joseph L., assignor.)
Railway Utility Company. (See Willer, Nicholas L., assignor.)
Randolph, Oliver W., Toledo, Ohio. Dehydrator. 2,100,150; Nov. 23.
Ray Airconditioning Corporation. (See Tompson, C., and Ray, assignors.)
Ray, George. (See Tompson, C., and Ray.)
Rea, Wilton T., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Printing telegraph system. 2,099,771; Nov. 23.

Reed, William, Springfield, Mass. Display device. 2,100,223; Nov. 23.
Rees, Leslie H. (See Graham, Elmer J., assignor.)
Reese, Myrtle P., and C. A. Volf, Jr., New York, N. Y.; said Volf, Jr., assignor to said Reese. Article holder. 2,099,906; Nov. 23.
Reeves, Charles R., and C. R. Gentry, Oklahoma City, Okla. Apparatus for purifying oil. 2,099,824; Nov. 23.
Refining, Inc. (See Clayton, Benjamin, assignor.)
Refining, Inc. (See Clayton, B., Kerrick, and Stadt, assignors.)
Refining, Inc. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Reichel, Wladimir A., Philadelphia, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind. Directional gyroscopic indicator. 2,099,705; Nov. 23.
Reinforced Paper Bottle Corporation. (See Joplin, William A., assignor.)
Renault, Louis. (See Salves, Leon, assignor.)
Renner, Verdon T., assignor to The Parkersburg Iron and Steel Company, Parkersburg, W. Va. Sheet metal roofing. 2,099,752; Nov. 23.
Reynolds, Frank M., Sanford, Colo. Battery terminal post clamp. 2,100,268; Nov. 23.
Reynolds Metals Company. (See Larson, Clayton E., assignor.)
Rhinelander Paper Company. (See Dodge, Lloyd L., assignor.)
Richards, William H., Dayton, Ohio. Control device. 2,099,706; Nov. 23.
Richardson, Rodney G., et al. (See Cook, Donald D., assignor.)
Riddell, William A., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic shutter. 2,099,866; Nov. 23.
Riegel, Jean M., New York, N. Y. Cocktail shaker. 2,100,172; Nov. 23.
Righter, Edward M., Lincoln, Nebr., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical mold and slug. 2,100,304; Nov. 23.
Riley Stoker Corporation. (See Andrews, L. V., assignor.)
Rimbach, Henry W. (See Snyder, F. H., and Rimbach.)
Robbins, Earl J., Seattle, Wash. Mixing machine. 2,099,964; Nov. 23.
Röber, Constantin F., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. Cigar bunch trimmer. 2,100,108; Nov. 23.
Roberts, Robert P., and E. B. Johnson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of cellulose derivatives. 2,099,753; Nov. 23.
Robertson, Albert, Milwaukee, Wis. Instrument cord. 2,100,088; Nov. 23.
Robinson, Harold C., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Calculating machine. 2,099,754; Nov. 23.
Robinson, William A. (See Stoate, N. P., and Robinson.)
Roche, Carroll E., Cincinnati, Ohio. Card holder. 2,100,269; Nov. 23.
Rocky Mountain Steel Products, Inc. (See Morehouse, Silas A., assignor.)
Rogers, Clifford R. (See Baker, D. B., Rogers, and Panzegrau.)
Rogers, Marvin C., assignor to Standard Oil Company (Indiana), Chicago, Ill. Distillation of hydrocarbon oils. 2,099,907; Nov. 23.
Rolshausen, Ferdinand W., and S. L. Bishkin, Houston, Tex., assignors to Standard Oil Development Company. Oil base hydratable drilling fluid. 2,099,825; Nov. 23.
Romine, Joseph C., assignor to W. R. Wilson, Detroit, Mich. Ductile gas line connecter. 2,100,270; Nov. 23.
Rosenberg, Heyman, New York, N. Y. Weatherproofing fastener. 2,099,990; Nov. 23.
Rosengarten, Mitchell G., Philadelphia, Pa. Target. 2,099,908; Nov. 23.
Rotor-Table Games, Inc. (See Goldberger, Oscar, assignor.)
Rotter, Rudolph W., Kent, Wash. Culinary device. 2,100,271; Nov. 23.
Royal Typewriter Company. (See Khalil, Seyed, assignor.)
Rozinek, Arthur. (See Szikla, G., and Rozinek.)
Rubens, Harry E., New York, N. Y. Closure device. 2,100,173; Nov. 23.
Ruffino, Peter, Brooklyn, N. Y. Brake. 2,100,174; Nov. 23.
Rugaard, Oswald L. (See Berman, George A., assignor.)
Ruigh, William L. (See Major, R. T., and Ruigh.)
Russell, Donald, et al. (See Floyd, E. P., and Hackney, assignors.)
Ruthruff, Robert F. (See Bahlke, W. H., Ruthruff, and Sullivan.)
Ruthruff, Robert F., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Treatment of hydrocarbons. 2,099,755; Nov. 23.
Ryan, William H., Newburgh, N. Y. Domestic water system. 2,100,109; Nov. 23.
Salves, Leon, assignor to L. Renault, Billancourt, France. Body of automobile vehicles. 2,099,867; Nov. 23.
Sandvoss, Hermann, Frankfort-on-the-Main, Germany. Thermostat. 2,100,037; Nov. 23.
Sangamo Electric Company. (See Kurz, Fred, assignor.)
Sarazin, Robert, Neuilly-sur-Seine, France. Recording the work performed by welders. 2,099,965; Nov. 23.
Sawyer, Guy R., assignor of one-half to B. R. Sherburne, Glover, Vt. Electric reversible tooth brush. 2,100,272; Nov. 23.
Saxton, Ellsworth E., Seattle, Wash. Electrical connecter. 2,099,944; Nov. 23.
Schaffer, Paul S., and H. L. J. Haller, Washington, D. C., dedicated to the free use of the People of the United States of America. Insecticide. 2,099,826; Nov. 23.
Scherle, Gottfried, Bloomfield, N. J. Full fashioned hosiery knitting machine. 2,100,202; Nov. 23.
Schloemann Aktiengeselischaft. (See Gassen, Josef, assignor.)
Schmidt-Nielsen, Sigval, Trondhjem, and A. Flood, Larvik, Norway. Manufacture of soap from marine oils. 2,100,146; Nov. 23.
Schneider, Frank H., assignor to The Floyd-Wells Company, Royersford, Pa. Burner forming grid. 2,100,292; Nov. 23.
Schoengarth, Walter L., Ironwood, Mich., assignor to B. G. Harmon, Chicago, Ill. Piston. 2,100,203; Nov. 23.
Schrenk, Louis J., Detroit, Mich. Wet refuse burning grate. 2,099,827; Nov. 23.
Schroeder, Raymond, et al. (See Dailey, Jay F., assignor.)
Schubenel, Robert, Le Vesinet, France. Plug or cork for delivering doses. 2,100,038; Nov. 23.
Seat, Jay L., Fairfield, Conn. Portable fire extinguisher. 2,099,828; Nov. 23.
Seegers, Hans. (See Hedfield, R. T., and Seegers.)
Seibel, Albert C., East St. Louis, Ill. Adjustable window curtain fixture. 2,099,707; Nov. 23.
Seidelhuber, Frank V. (See Seidelhuber, Victor, assignor.)
Seidelhuber, Victor, assignor of one-half to F. V. Seidelhuber, Seattle, Wash. Pelorus. 2,099,772; Nov. 23.
Seigle, William R., Mamaroneck, assignor to Johns-Manville Corporation, New York, N. Y. Air duct. 2,099,756; Nov. 23.
Semet Solvay Engineering Corporation. (See Miller, Fred E., assignor.)
Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Esters of formals and preparing them. 2,099,757; Nov. 23.
Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Compositions containing esters of formals. 2,099,758; Nov. 23.
Sharp, Elwood A., assignor to Parke, Davis & Company, Detroit, Mich. Therapeutic product and making same. 2,099,708; Nov. 23.
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Sherburne, B. R. (See Sawyer, Guy R., assignor.)
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Facsimile system. 2,100,204; Nov. 23.
Siebert, Conrad. (See Cohn, H., and Siebert.)
Signal Engineering & Manufacturing Company. (See Ebert, Joseph F., assignor.)
Signaphone Corporation of America. (See Tuscher, J. E., and Spiro, assignors.)
Simpson, Paul R., San Mateo, Calif. Treatment of coffee or the like. 2,099,945; Nov. 23.
Sing, Lang J., and R. M. Waunch, Salem, Oreg. Automatic annunciator. 2,099,868; Nov. 23.
Skandera, Martin, Mohawk, N. Y. Safety signal for loaded guns. 2,100,273; Nov. 23.
Sladek, Louis J. (See Isaacson, Carl C., assignor.)
Sleeper & Hartley, Inc. (See Blount, William H., assignor.)
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,100,089; Nov. 23.
Smith, Alfred R., Forest Hills, assignor to Combustion Engineering Company, Inc., New York, N. Y. Casing wall construction for boilers. 2,099,829; Nov. 23.
Smith, Donald J. E., assignor to J. E. Whitten, Vancouver, British Columbia, Canada. Crosscut saw handle. 2,099,966; Nov. 23.
Smith, Nelson J., and J. C. Chambers, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation. Air conditioning. 2,100,110; Nov. 23.
Smith, William H. (See Stanley, H. C., and Smith.)
Snyder, Francis H., and H. W. Rimbach, assignors to Francis H. Snyder, Inc., New York, N. Y. Color photography. 2,100,224; Nov. 23.
Snyder, Francis H., Inc. (See Snyder, F. H., and Rimbach, assignors.)
Société d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine. (See Perrin, René, assignor.)
Somers, Norman C., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tetraalkyl thiuram monosulphides. 2,099,773; Nov. 23.
Sommer, Fritz, Berlin-Charlottenburg, and M. Nassau, Berlin-Wilmersdorf, assignors to firm: Chemische Fabrik Grünau Landshoff & Meyer A. G., Berlin-Grunau, Germany. Cosmetic products. 2,100,090; Nov. 23.
Southland Cotton Oil Company. (See Taylor, Dick, assignor.)
Spahn, Emil, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Time measuring mechanism. 2,099,759; Nov. 23.

Spencer, Henry W., Roehampton Lane, London, and L. S. Davis, Bexley Heath, England. Muffle and like furnace. 2,099,967; Nov. 23.
Spencer, Will M., Estill Springs, Tenn. Poultry or livestock vehicle body. 2,099,774; Nov. 23.
Sperry Products, Inc. (See Drake, Harcourt C., assignor.)
Sperry Products, Inc. (See Perry, Walter M., assignor.)
Sperry, Samuel E., Hollis, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 2,100,305; Nov. 23.
Spinosa, Arthur V., Parkersburg, W. Va., assignor to Penn Metal Company, Inc. Plaster base. 2,099,709; Nov. 23.
Spiro, Marcel. (See Tuscher, J. E., and Spiro.)
Spohr, Carl W., Chicago, Ill. Carburetor. 2,100,205; Nov. 23.
Springfield Boiler Company. (See Irwin, William R., assignor.)
Stadt, Henry M. (See Clayton, B., Kerrick, and Stadt.)
Stadt, Henry M. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Stahl, Samuel, Chicago, Ill. Lamp. 2,099,830; Nov. 23.
Stainbrook, Theodore L., Garber, Okla. Valve lock. 2,099,869; Nov. 23.
Standard Alcohol Company. (See Lebo, R. B., and Brooks, assignors.)
Standard Gage Company. (See Emery, Alfred H., assignor.)
Standard Oil Company. (See Arveson, Maurice H., assignor.)
Standard Oil Company. (See Bahlke, W. H., Ruthruff, and Sullivan, assignors.)
Standard Oil Company. (See Buchler, C. C., and Page, assignors.)
Standard Oil Company (Indiana). (See Rogers, Marvin C., assignor.)
Standard Oil Company (Indiana). (See Ruthruff, Robert F., assignor.)
Standard Oil Development Company. (See Barlow, E. H., Hewlett, and Kuhl, assignors.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Howard, Frank A., assignor.)
Standard Oil Development Company. (See Moore, T. V., and Landry, assignors.)
Standard Oil Development Company. (See Rolshausen, F. W., and Rishkin, assignors.)
Standard Oil Development Company. (See Stelk, K. T., and Gleason, assignors.)
Stanley, Thomas A., Dallas, Tex. Container filling apparatus. 2,100,039; Nov. 23.
Stanley, Henry C., and W. H. Smith, Manchester, England. Pneumatic cushion. 2,099,870; Nov. 23.
Staudle, Fred R., Milwaukee, Wis. Flatiron holder. 2,099,760; Nov. 23.
Stelk, Karl T., Clifton, and A. H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparation of anhydrides by the use of ketene. 2,099,909; Nov. 23.
Stein, Henry E., Mankato, Minn. Operating mechanism for automotive vehicles. 2,100,225; Nov. 23.
Stenberg, Knut E. B., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Composition panel cabinet assembly particularly adapted for use in molded radio cabinets. 2,100,226; Nov. 23.
Stephens, Clarence L., Bayside, N. Y. Picture projecting device. 2,100,008; Nov. 23.
Stephens, John J., Brooklyn, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Differentially operated detection circuit. 2,100,206; Nov. 23.
Stephenson, William B. (See Irsch, George J., assignor.)
Sterling, Leonard, Newton, Tex. Coil spring trailer. 2,100,040; Nov. 23.
Stern, Benjamin A., Los Angeles, Calif. Apparatus for exercising the hearing organs. 2,099,871; Nov. 23.
Stern, Milton M., Los Angeles, Calif. Scanning device. 2,099,872; Nov. 23.
Sternfels, Martin M., Waterbury, Conn. Machine and process for producing flake metal by electrodeposition. 2,099,873; Nov. 23.
Stewart-Warner Corporation. (See Hansmann, Elwood, assignor.)
Stoate, Norman P., Kew Gardens, and W. A. Robinson, Wembley Hill, England; said Robinson assignor to said Stoate. Apparatus for detecting the presence of foreign bodies on the bottoms of transparent vessels. 2,100,227; Nov. 23.
Stone, Walter C., St. Louis, Mo. Hatch for railway cars. 2,100,119; Nov. 23.
Stonebraker, Fred, Sr., assignor, by mesne assignments, to Illusigraph Corporation, San Diego, Calif. Display sign. 2,100,111; Nov. 23.
Storey, Norman C. (See Hasson, P. R., and Storey.)
Storkline Furniture Corporation. (See Michal, James, assignor.)
Strahan, Joseph C. J., New York, N. Y. Full-fashioned hosiery. 2,099,991; Nov. 23.
Straub, Francis J., New Kensington, Pa. Making concrete building blocks. 2,099,946; Nov. 23.
Stukenborg, Louis C., Memphis, Tenn. Vehicle lift. 2,099,775; Nov. 23.
Sturtevant, B. F., Company. (See Allen, G. W., and Farwell, assignors.)
Sullivan, Frederick W., Jr. (See Bahlke, W. H., Ruthruff, and Sullivan.)
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sundelin, Uno, and K. A. T. Granzellius, assignors of part interest to F. Hammaren, Stockholm, Sweden. Coin registering and calculating apparatus. 2,100,061; Nov. 23.
Superheater Company, The. (See Blanchard, P. D., and Hardy, assignors.)
Sutcliffe, Nathaniel, Newark, N. J. Valve. 2,099,992; Nov. 23.
Sutherlin, Walter F., assignor of one-half to G. J. Jebeles, Birmingham, Ala. Safety switch box. 2,099,761; Nov. 23.
Svenson, Ernest J., Rockford, Ill. Material working apparatus. 2,099,776; Nov. 23.
Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)
Szikla, Géza, and A. Rozinek, Budapest, Hungary. Gas producer. 2,099,968; Nov. 23.
T & R Jewelry Co. (See Garfinkel, Louis, assignor.)
Taber, Wellington P., West Warwick, R. I. Connecter for V-belts. 2,099,831; Nov. 23.
Tauschek, Gustav, New York, N. Y. Firearm. 2,099,993; Nov. 23.
Taylor, Dick, assignor to Southland Cotton Oil Company, Paris, Tex. Collecting lint. 2,100,112; Nov. 23.
Teague, Walter D., Jr., Kew Gardens, N. Y., assignor to The Floyd-Wells Company, Royersford, Pa. Coverall for ranges. 2,100,293; Nov. 23.
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,100,091; Nov. 23.
Tear, Harry R., Evanston, assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,100,092; Nov. 23.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Benecke, Heinrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, Werner, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Textile Machine Works. (See Janssen, Henry, assignor.)
Thiel, Otto, Detroit, Mich. Tacking strip. 2,099,910; Nov. 23.
Thieler, George, Jr., New Orleans, La. Holder for brake inspection tags. 2,100,041; Nov. 23.
Thomas & Skinner Steel Products Company. (See Piercy, Earl R., assignor.)
Thomas, Valley A., Manila, Ark. Pump handle structure. 2,099,832; Nov. 23.
Thomas, Wayne S., Detroit, Mich. Buffing wheel. 2,099,777; Nov. 23.
Thompson, Herbert L., Elgin, Ill. Corn popper. 2,099,911; Nov. 23.
Thompson, Russell G., Rochester, N. Y., assignor to Underwood Elliott Fisher Company. Typewriting machine. 2,099,762; Nov. 23.
Thompson, Vance M. (See Lewis, J. R., Perkins, and Lewis, assignors.)
Threadgold, Stanley D. (See Harrison, G. B., and Threadgold.)
Throckmorton, John W., New York, N. Y., assignor to Gyro Process Company, Detroit, Mich. Cracking of hydrocarbon oil. 2,100,062; Nov. 23.
Thurman, Benjamin H. (See Clayton, B., Kerrick, Stadt, and Thurman.)
Tide Water Associated Oil Company. (See Kaufmann, Arthur G., assignor.)
Tietz, Hans, Leverkusen-Wiesdorf, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for producing ice. 2,100,151; Nov. 23.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Klamp, P., and Kiehl, assignors.)
Tinker, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Lyon Incorporated, Detroit, Mich. Metal tire cover. 2,099,763; Nov. 23.
Tinker, John M., Penns Grove, and V. M. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dealkylation of alkyl-aryl ethers. 2,100,228; Nov. 23.
Title Guarantee and Trust Company, executor. (See Townsend, Harry E., assignor.)
Tobin, Frederick M., Rochester, N. Y., assignor to The Tobin Packing Co., Inc., Fort Dodge, Iowa. Treatment of hog carcasses. 2,100,299; Nov. 23.
Tobin Packing Co., The. (See Tobin, Frederick M., assignor.)
Todd, Ralph C., Elyria, Ohio. Hinged structure. 2,099,778; Nov. 23.
Toelle, Walter H. (See Whitehead, O. N., and Toelle.)
Tolstoouhov, Alexander V. (See Hopkinson, R., and Tolstoouhov.)
Tomec, John, Trenton, N. J. Wall covering. 2,100,175; Nov. 23.
Thompson, Clarence, South Norwalk, Conn., and G. Ray, Port Chester, N. Y., assignors to Ray Air Conditioning Corporation, New York, N. Y. Water heating unit. 2,099,947; Nov. 23.

Toro Manufacturing Corporation of Minnesota. (See Moyer, A. F., and Kleidon, assignors.)
Torres, Joseph, New York, N. Y. Smoking pipe. 2,100,093; Nov. 23.
Touceda, Enrique G., Albany, N. Y. Controlling electric apparatus. 2,099,764; Nov. 23.
Townsend, Harry E., deceased, Brooklyn, N. Y.; Title Guarantee and Trust Company, executor. Hermetically sealed package. 2,099,710; Nov. 23.
Townsend, Harry E., deceased, Brooklyn, N. Y.; Title Guarantee and Trust Company, executor. Hermetically sealed package. 2,099,711; Nov. 23.
Travis, Edward P., Floral Park, N. Y., assignor, by mesne assignments, to Chicago Rawhide Manufacturing Company, Chicago, Ill. Grease retainer. 2,100,113; Nov. 23.
Travis, Frederick J., Chicago, Ill. Tube holder. 2,100,042; Nov. 23.
Travis, Paul H., Detroit, Mich. Vehicle pillar structure. 2,099,912; Nov. 23.
Tremolada, Guglielmo R., Los Angeles, Calif. Suspension hydraulic swivel and feed for rotary well drilling. 2,099,779; Nov. 23.
Trent Machine Company. (See Patten, Wilbert H., assignor.)
Trenzen, Carl, Venlo, Netherlands. Evacuating vessels, more particularly lamps. 2,099,874; Nov. 23.
Trevaskis, Henry. (See Beharrell, G. E., Wright, and Trevaskis.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Hueber, H., and Horton, assignors.)
Troster, Mathew, Jr. (See Waters, H., Paulson, and Troster.)
Tunaya, Victorino L., Brooklyn, N. Y. Riot car. 2,100,043; Nov. 23.
Tuscher, Jean E., P. Ivry, and M. Spiro, Paris, France, assignors, by mesne assignments, to Signaphone Corporation of America, Wilmington, Del. Automatic telephone signaling apparatus. 2,099,913; Nov. 23.
Underwood Elliott Fisher Company. (See Thompson Russell G., assignor.)
Underwood, James, Easton, and S. Mack, Bangor, Pa., assignors to Julius Kayser & Company, Brooklyn, N. Y. Stocking. 2,099,948; Nov. 23.
Union Carbide and Carbon Corporation. (See Kinzell, Augustus B., assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
United Aircraft Corporation. (See Willgoos, Andrew V. D., assignor.)
United Shoe Machinery Corporation. (See Megathlin, Ralph S., assignor.)
United States Rubber Company. (See Gammeter, John R., assignor.)
United States Rubber Company. (See Newman, Henry O., assignor.)
United States Rubber Products, Inc. (See McNeill, George K., assignor.)
Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. (See Röber, Constantin F., assignor.)
V. D. Limited. (See Dahl, O., and Black, assignors.)
Van de Casteele, Marc, Roubaix, France. Apparatus for weaving terry fabric. 2,099,780; Nov. 23.
Van Halteren, Andrew S., Akron, Ohio, assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum construction. 2,099,833; Nov. 23.
Van Orden, James E., Acra, N. Y. Skip for concrete mixers. 2,100,229; Nov. 23.
Van Pelt, H. C., et al, trustees. (See Ducker, Louis F., assignor.)
Van Dum, John H., Lakewood, Ohio. Securing device. 2,100,017; Nov. 23.
Vereinigte Stahlwerke Aktiengesellschaft. (See Wallmann, C., Grossweischede, and Kruse, assignors.)
Vernor, James, Company. (See Merrick, Anson A., assignor.)
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Viking Diesel Motor Corporation. (See Knudsen, Carl H., assignor.)
Vivid-Ad, Inc. (See Pennington, E. W., and Porter, assignors.)
Vogt, Adolf. (See von der Horst, H. D. F., Muenz, and Vogt.)
Volf, Christian A., Jr. (See Reese, M. P., and Volf, Jr.)
Von der Horst, Horst D. F., Leuna, and F. Muenz and A. Vogt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Finishing textiles. 2,099,765; Nov. 23.
Waechter, Ferdinand F., and H. F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill. Method of and apparatus for influent supply. 2,099,914; Nov. 23.
Wahl Clipper Corporation. (See Wahl, Leo J., assignor.)
Wahl, Leo J., assignor to Wahl Clipper Corporation, Sterling, Ill. Electric cord plug adapter. 2,100,094; Nov. 23.
Waldron, William R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Halogenation process and product. 2,099,781; Nov. 23.
Wallmann, Carl, J. Grossweischede, and B. Kruse, Mulheim-Ruhr, assignors to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Iron sleeper. 2,100,153; Nov. 23.
Walsh, John P., Boston, Mass. Lining up printed matter and registering type. 2,100,114; Nov. 23.
Walton, George W., London, England. Television. 2,100,044; Nov. 23.
Wangenheim, Ethel A., San Francisco, Calif. Undergarment support. 2,099,949; Nov. 23.
Ward, Benjamin O., Valle Crucis, N. C. Log turner. 2,100,115; Nov. 23.
Waters, Harold, Hohokus, A. W. Paulson, Tenafly, N. J., and M. Troster, Jr., assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 2,100,176; Nov. 23.
Waters, Harold, Hohokus, A. W. Paulson, Tenafly, N. J., and M. Troster, Jr., assignors to Otis Elevator Company, New York, N. Y. Elevator system. 2,100,177; Nov. 23.
Watson, Harold F. (See Waechter, F. F., and Watson.)
Waukesha Motor Company. (See Melcher, Lee W., assignor.)
Waunch, Robert M. (See Sing, L. J., and Waunch.)
Weasler, Anthony V., and W. J. Dooley, assignors to Pick Manufacturing Company, West Bend, Wis. Grille guard. 2,100,018; Nov. 23.
Weatherhead, Albert J. Jr., assignor to The Weatherhead Company, Cleveland, Ohio. Hose coupling. 2,099,915; Nov. 23.
Weatherhead Company, The. (See Weatherhead, Albert J., Jr., assignor.)
Weaver, Cary J., Goose Creek, Tex. Water closet. 2,099,875; Nov. 23.
Weaver, Leo L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,099,876; Nov. 23.
Webb, George F., Kansas City, Mo. Method and apparatus for treating pyorrhea. 2,100,116; Nov. 23.
Webb, Nelson W., assignor to Eastwood-Neally Corporation, Belleville, N. J. Method and machine for producing brazed seams in wire cloth. 2,100,294; Nov. 23.
Wellein, Paul A. (See Krumm, Theodore, assignor.)
Weinberg, Leon W., Philadelphia, Pa., assignor to Celanese Corporation of America. Spun yarn and preparing same. 2,099,766; Nov. 23.
Weinmayr, Viktor M. (See Tinker, J. M., and Weinmayr.)
Weiss, Ernst, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y. Textile printing process and printing paste therefor. 2,099,782; Nov. 23.
West, Victor E., assignor to P. H. Murphy Company, New Kensington, Pa. Hatch construction. 2,100,128; Nov. 23.
Westall, Edward F., Alhambra, Calif. Bailer. 2,099,877; Nov. 23.
Western Electric Company. (See Johnstone, Harold G., assignor.)
Western Electric Company. (See Weaver, Leo L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dyer, L. W., and Gamel, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lowry, Erwin F., assignor.)
Weston Electrical Instrument Corporation. (See Miller, John H., assignor.)
Wettlaufer, William L., Buffalo, N. Y. Apparaus for treating materials. 2,100,117; Nov. 23.
White, Jerome C., assignor to Pittsburgh Coal Company, Pittsburgh, Pa. Coal mining machine. 2,100,178; Nov. 23.
Whitehead, George E., Cardiff, South Wales. Electrical switch gear. 2,100,230; Nov. 23.
Whitehead, Oscar N., and W. H. Toelle, Wallingford, Conn., assignors, by mesne assignments, to The Danielson Manufacturing Company. Harness cord. 2,099,950; Nov. 23.
Whitehead, William A. (See Quick, C. G., Ball, and Whitehead.)
Whiteside, Robert B., Los Angeles, Calif. Boxed row firecracker package. 2,099,783; Nov. 23.
Whiting Manufacturing Company. (See Beaumont, Eugene P., assignor.)
Whitten, Joseph E. (See Smith, Donald J. E., assignor.)
Wieslander, Daniel H., Portland, Maine. Combined adjustable straight-edge, rule, and alignment tester. 2,099,784; Nov. 23.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,100,295; Nov. 23.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine for railroads. 2,100,296; Nov. 23.
Wilkening, Frederick W., Narberth, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Making piston rings. 2,099,712; Nov. 23.
Wilkening Manufacturing Company. (See Wilkening, Frederick W., assignor.)
Wilkinson, William J., Eastchester, N. Y., assignor of one-half to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Color corrected printing. 2,099,916; Nov. 23.

Wilkoff, Louis C., Youngstown, Ohio, assignor, by mesne assignments, to P. H. Murphy Company. Hatch frame. 2,100,129; Nov. 23.
Willer, Nicholas L., assignor to Railway Utility Company, Chicago, Ill. Ventilating device for cars and the like. 2,099,917; Nov. 23.
Willgoos, Andrew V. D., West Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Engine intake system. 2,099,785; Nov. 23.
Williams, Allan H., Chester, England. Coating metal articles with zinc. 2,100,179; Nov. 23.
Williams, Richard J. (See Wilson, L. F., and Williams.)
Willson, Russell, U. S. Navy. Device for solving relative movement problems. 2,099,713; Nov. 23.
Wilson, Arlis R., Chicago, Ill. Windshield defroster blade. 2,100,019; Nov. 23.
Wilson Engineering Corporation. (See Wilson, L. F., and Williams, assignors.)
Wilson, James T., Arlington, N. J., assignor to Radio Corporation of America. Electron tube. 2,099,994; Nov. 23.
Wilson, Lyndon F., Chicago, Ill., and R. J. Williams, Detroit, Mich., assignors to Wilson Engineering Corporation, Chicago, Ill. Locomotive steam separator. 2,100,095; Nov. 23.
Wilson, William R. (See Romine, Joseph C., assignor.)
Winckler Engineering Laboratories Incorporated. (See Winckler, Gunnar A. F., assignor.)
Winckler, Gunnar A. F., Worcester, assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass. Automatic electric safety light for lifeboats. 2,099,878; Nov. 23.
Winter, Daniel B., assignor to Crouse-Hinds Company, Syracuse, N. Y. Cover for conduit outlet boxes. 2,099,918; Nov. 23.
Wolff, Robert. (See Elbert, Fritz, assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing plate cylinder. 2,100,207; Nov. 23.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Margin bar for printing cylinders. 2,100,208; Nov. 23.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodell, Charles E., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Apparatus for printing and drying. 2,099,879; Nov. 23.
Woodings, Robert T., Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Rail-retaining device. 2,099,786; Nov. 23.
Woodings-Verona Tool Works. (See Woodings, Robert T., assignor.)
Wright, Ellen H. C., executrix. (See Wright, Joseph L.)
Wright, Joseph. (See Beharrell, G. E., Wright, and Trevaskis.)
Wright, Joseph L., deceased, Forest Hills, Long Island; E. H. C. Wright, executrix, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio broadcasting system. 2,099,787; Nov. 23.
Wyche, C. C., et al. (See Floyd, E. P., and Hackney, assignors.)
Youker, Malcolm P., Bartlesville, Okla. Combined circulating and ventilating fan assembly. 2,100,152; Nov. 23.
Young, Hugh E., Chicago, Ill. Current controlling apparatus. 2,099,714; Nov. 23.
Young, Hugh E., Chicago, Ill. Constant current system. 2,099,715; Nov. 23.
Young, Hugh E., Chicago, Ill. Constant current system. 2,099,716; Nov. 23.
Zahn, Rudolf, Wiesbaden, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Production of tanned pictures. 2,100,063; Nov. 23.
Zalkin, Semlen L. (See Capelliushnicoff, M. A., and Zalkin.)
Zaum, Max. (See Johnson, R. W., Loverch, and Zaum.)
Zhamerman, Alvin K., Akron, Ohio. Internal combustion engine. 2,100,064; Nov. 23.

LIST OF PLANT INVENTIONS

Rose. J. H. Nicolas. 264; Nov. 23.

LIST OF DESIGN INVENTIONS

Badge or similar article. S. Stingel. 107,144; Nov. 23.
Bag or similar article, Coffee. E. Carabillo. 107,065; Nov. 23.
Ball or the like, Golf. F. H. Cabignac. 107,066; Nov. 23.
Base, Lamp. C. B. Ilgenfritz. 107,080; Nov. 23.
Beanpot. C. C. Soule. 107,161–3; Nov. 23.
Box, Jewelry. I. H. Jellinek. 107,081; Nov. 23.
Brooch. A. Philippe. 107,131–4; Nov. 23.
Cabinet, Combined beverage cooling and dispensing. H. W. Ribble. 107,092; Nov. 23.
Cabinet, Phonograph. P. M. Puller. 107,148; Nov. 23.
Cabinet, Radio. R. B. Meller. 107,154–5; Nov. 23.
Cake server or similar article. H. Rietveld. 107,100; Nov. 23.
Card, Playing. R. F. Nekuda. 107,178; Nov. 23.
Case, Clock. M. Schlenker. 107,102; Nov. 23.
Case for a camera, Carrying. R. Sanborn. 107,101; Nov. 23.
Clip. A. Philippe. 107,121–30; Nov. 23.
Clip. A. Philippe. 107,135–43; Nov. 23.
Clip or similar article. A. Katz. 107,110–20; Nov. 23.
Clock. J. J., G. H., and A. J. Paris. 107,091; Nov. 23.
Combinet. J. G. Rideout. 107,093–99; Nov. 23.
Container, Collapsible. H. L. Strongson. 107,164; Nov. 23.
Container, Cosmetic. A. B. Barnhart. 107,145; Nov. 23.
Container, Shaving soap. J. Helleu. 107,151; Nov. 23.
Curtain. G. F. Erhard. 107,068–75; Nov. 23.
Curtain. G. F. Erhard. 107,168; Nov. 23.
Curtain. F. Gentner. 107,189; Nov. 23.
Cutter, Glass. G. C. Wyman. 107,180; Nov. 23.
Dispenser, Salt tablet. R. A. Kelly. 107,173; Nov. 23.
Dress. M. R. Berger. 108,181–2; Nov. 23.
Dress. M. Efantes. 107,185–7; Nov. 23.
Dress. P. Fracchia. 107,169–70; Nov. 23.
Dress. B. Fried. 107,159; Nov. 23.
Dress. B. Fried. 107,188; Nov. 23.
Dress. M. Hall. 107,190–1; Nov. 23.
Dress. J. J. Kushner. 107,174; Nov. 23.
Dress. I. Lampel. 107,192; Nov. 23.
Dress. M. Michelson. 107,195–7; Nov. 23.
Dress. K. Rost. 107,199; Nov. 23.
Dress. C. M. Santore. 107,201; Nov. 23.
Dress. P. Schlessel. 107,202–3; Nov. 23.
Dress. M. Wagner. 107,207; Nov. 23.
Dress. P. Wenett. 107,165; Nov. 23.
Dress ensemble. G. Isaacs. 107,172; Nov. 23.
Fabric, Embroidered. M. Leff. 107,193–4; Nov. 23.
Fabric, Knitted. J. Minoff. 107,086; Nov. 23.
Fabric, Knitted. J. Minoff. 107,177; Nov. 23.
Fabric or similar article, Textile. R. Dannecker. 107,167; Nov. 23.
Fabric, Textile. J. W. H. Brooks. 107,183; Nov. 23.
Fabric, Textile. E. M. Patterson. 107,198; Nov. 23.
Fabric, Textile. N. Tillman. 107,204; Nov. 23.
Fabric, Textile. M. Turpan. 107,205–6; Nov. 23.
File and pipe tamp, Combined nail. H. C. French. 107,147; Nov. 23.
Font of type. H. C. Gatchell and W. C. Hollister. 107,077; Nov. 23.
Game board. A. Schuster. 107,160; Nov. 23.
Goblet or similar article. A. J. Cunningham. 107,067; Nov. 23.
Handbag. S. R. Goldsmith. 107,150; Nov. 23.
Holder or similar article, Flower. H. J. Meyer. 107,176; Nov. 23.
Indicator or similar article, Temperature. R. T. Hedfield and H. Seegers. 107,079; Nov. 23.
Jar. W. E. Mackelfresh, Jr. 107,082; Nov. 23.
Jar. N. F. Steuer. 107,104; Nov. 23.
Nail, Decorative. B. Salzberg. 107,200; Nov. 23.
Opener, Can. J. R. Morgan. 107,090; Nov. 23.
Pedestal head and housing for hair waving machines, Combined. F. V. Schleimer. 107,156; Nov. 23.
Pendant. F. A. Biasi. 107,108; Nov. 23.
Plate, Entree. J. K. Johnson. 107,153; Nov. 23.
Plate or similar article. V. Broomhall. 107,064; Nov. 23.
Pot or similar article, Cooking. L. Guild. 107,078; Nov. 23.
Rack and lighting fixture units, Combined sectional luggage. A. L. Arenberg. 107,062; Nov. 23.
Rack for bread or similar article, Display. E. R. Erickson. 107,076; Nov. 23.
Rack or the like, Necktie. A. R. Brothers. 107,146; Nov. 23.
Radio receiving set and bed lamp, Combined. L. Tulauskas. 107,158; Nov. 23.
Rug. G. E. Mallinson. 107,083–5; Nov. 23.
Rug. G. E. Mallinson. 107,175; Nov. 23.
Shirt, Sport. H. S. Buffett. 107,184; Nov. 23.
Spoon or other similar article. M. Bernstein. 107,063; Nov. 23.
Stand, Display. J. G. Toomey. 107,179; Nov. 23.
Stick or similar article, Clothes. E. F. Thomas. 107,157; Nov. 23.
Store front. K. E. Bemis. 107,107; Nov. 23.
Strap, Lens. H. S. Taylor. 107,106; Nov. 23.
Suit, Bathing. M. Tunick. 107,208; Nov. 23.
Table, Dining. G. M. Jackson. 107,152; Nov. 23.
Tank body, Semitrailer. E. H. Gill. 107,149; Nov. 23.
Toy, Child's. C. E. Garton. 107,171; Nov. 23.
Trough or similar article, Lighting. L. L. Stewart. 107,105; Nov. 23.
Trunks, Knitted. L. Silberman. 107,103; Nov. 23.
Wallpaper or similar article. J. R. Morgan. 107,087–9; Nov. 23.
Wedge, Falling. J. H. Carter. 107,109; Nov. 23.
Wringer head. H. Witmer. 107,166; Nov. 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adjustable body support. O. D. Harris. 2,099,977; Nov. 23.
Adjustable seat. W. A. Parks. 2,100,170; Nov. 23.
Air circulating heater. C. R. Graham. 2,099,883; Nov. 23.
Air conditioning. N. J. Smith and J. C. Chambers. 2,100,110; Nov. 23.
Air conditioning apparatus. C. W. Elber and E. J. Gerondale. 2,100,072; Nov. 23.
Air conditioning means. L. W. Melcher. 2,099,747; Nov. 23.
Air conditioning system for cars. F. L. Murphy. 2,099,702; Nov. 23.
Aircraft. C. H. Havill. 2,099,808; Nov. 23.
Air duct. W. R. Seigle. 2,099,756; Nov. 23.
Alloys, Manufacture of metal. R. Perrin. 2,100,265; Nov. 23.
Ammeter, Thermocouple. J. H. Miller. 2,100,260; Nov. 23.
Amplifier with extra wide band pass characteristics, Linear. N. E. Lindenblad. 2,100,193; Nov. 23.
Anchor system and placing the same, Sea bottom. E. R. Armstrong. 2,100,231; Nov. 23.
Anesthetic tannate. R. Hopkinson and A. V. Tolstoouhov. 2,100,054; Nov. 23.
Anhydrides by the use of ketene, Preparation of. K. T. Steik and A. H. Gleason. 2,099,909; Nov. 23.
Annunciator, Automatic. L. J. Sing and R. M. Waunch. 2,099,868; Nov. 23.
Antenna system. G. B. Bairey. 2,099,671; Nov. 23.
Anthraquinonyl thiazoles. E. E. Beard. 2,099,672; Nov. 23.
Apparel and product thereof, Manufacturing wearing. C. C. Quenelle. 2,100,201; Nov. 23.
Arsenic compounds, Organic. C. S. Hamilton. 2,099,686; Nov. 23.
Article holder. M. P. Reese and C. A. Volf, Jr. 2,099,906; Nov. 23.
Articles, Manufacture of shaped. M. Hagedorn. 2,099,976; Nov. 23.
Articles with zinc, Coating metal. A. H. Williams. 2,100,179; Nov. 23.
Articles, Wrapping of block shaped. T. G. Jackson. 2,100,141; Nov. 23.
Ash tray. E. W. Ekstrand. 2,100,073; Nov. 23.
Ashtray and snuffer, Combined. E. C. Moulton. 2,100,263; Nov. 23.
Automatic chain lock. E. P. Beaumont. 2,100,233; Nov. 23.
Automobiles, Knee action and chassis suspension for. W. B. Gregory. 2,099,807; Nov. 23.
Bailer. E. F. Westall. 2,099,877; Nov. 23.
Bait, Casting. H. F. Khoenle. 2,100,289; Nov. 23.
Battery terminal post clamp. F. M. Reynolds. 2,100,268; Nov. 23.
Bearing: *See*—
  Vehicle bearing.
Bell, Electromagnetic. J. F. Ebert. 2,099,929; Nov. 23.
Belts in high-draft mechanisms, Guiding of the. F. Casablancas. 2,099,970; Nov. 23.
Bench and table structure, Collapsible. W. H. Lykins. 2,099,745; Nov. 23.
Bib: *See*—
  Rock or earth drill bib.
Bicycle. O. Mankki. 2,100,012; Nov. 23.
Binding device. C. E. Emmer. 2,099,881; Nov. 23.
Binding machine. H. F. Gibling. 2,100,004; Nov. 23.
Blade sharpening device. G. Barsch. 2,099,791; Nov. 23.
Blocks, Making concrete building. F. J. Straub. 2,099,946; Nov. 23.
Body of automobile vehicles. L. Saives. 2,099,867; Nov. 23.
Body treatments, Exterior. H. Lohr. 2,099,744; Nov. 23.
Boilers, Increasing the efficiency of. A. Mayer. 2,099,746; Nov. 23.
Boll cotton extracting machine, Self-contained. J. E. Mitchell. 2,100,301–2; Nov. 23.
Bomb protection apparatus. F. Feitosa. 2,100,211; Nov. 23.
Bore comparator, Optical. P. Klamp and R. Kiehl. 2,100,056; Nov. 23.
Bottles together for stacking purposes, such as in displays, Tying. A. A. Merrick. 2,100,035; Nov. 23.
Box: *See*—
  Safety switch box.
Box and amalgamation concentrator, Sluice. A. L. Moorhead. 2,100,262; Nov. 23.
Bracket: *See*—
  Leader bracket. Supporting bracket.
Brake. P. Rufino. 2,100,174; Nov. 23.
Brake control mechanism. E. G. Hill and J. X. Phillips. 2,100,053; Nov. 23.
Brake drum construction. A. S. Van Halteren. 2,099,833; Nov. 23.
Brake for baby carriages. J. Micahl. 2,100,036; Nov. 23.
Brake for trailers. A. C. Lindgren. 2,099,816; Nov. 23.
Breather for temperature rise alarm systems. F. M. Cowan. 2,100,184; Nov. 23.
Bristle for cleaning devices. F. Heldt. 2,100,138; Nov. 23.
Brushes, Making self-sterilizing. W. E. Hill and F. A. Parkhurst. 2,099,888; Nov. 23.
Buffing wheel. W. S. Thomas. 2,099,777; Nov. 23.
Building construction. C. C. Peck. 2,099,941; Nov. 23.
Building construction unit. R. W. McLaughlin, Jr. 2,099,961; Nov. 23.
Bushing for bearings and making the same, Porous. V. Curstädt. 2,100,159; Nov. 23.
Button. R. C. Bangs. 2,099,979; Nov. 23.
Button and clasp construction. J. Matsumoto. 2,100,106; Nov. 23.
Button backer. S. A. Harrison. 2,100,103; Nov. 23.
Cabinet assembly particularly adapted for use in molded radio cabinets, Composition panel. K. E. B. Stenberg. 2,100,226; Nov. 23.
Cabinet, Commodity display. E. D. Davis. 2,100,132; Nov. 23.
Cabinet table. E. C. Groves. 2,100,247; Nov. 23.
Calculating machine. H. C. Robinson. 2,099,754; Nov. 23.
Camera and projector, Cinematographic. C. E. Hillery-Collings. 2,100,000; Nov. 23.
Camera indexing mechanism. R. H. Draeger. 2,099,681; Nov. 23.
Can and valve mechanism, Weigh. H. D. Lathrop. 2,100,142; Nov. 23.
Car, Riot. V. L. Tunaya. 2,100,043; Nov. 23.
Carburetor. C. W. Spohr. 2,100,205; Nov. 23.
Card holder. C. E. Roche. 2,100,269; Nov. 23.
Casing wall construction for boilers. A. R. Smith. 2,099,829; Nov. 23.
Cellar pipe. J. T. Corley. 2,099,799; Nov. 23.
Cellulose derivatives, Manufacture of. R. P. Roberts and E. B. Johnson. 2,099,753; Nov. 23.
Cellulose compounds and of artificial materials thereof, Manufacture of new. L. Lilienfeld. 2,100,010; Nov. 23.
Chain jack. C. O. Nelson. 2,099,940; Nov. 23.
Chair. H. E. Bennett. 2,100,098; Nov. 23.
Cigar bunch trimmer. C. F. Röber. 2,100,108; Nov. 23.
Cigar, Forming a draft passage in the end of a. H. Prager. 2,099,963; Nov. 23.
Circuit breaker. L. W. Dyer and G. D. Gamel. 2,100,102; Nov. 23.
Circuit breaker control system. A. E. Henninger. 2,100,215; Nov. 23.
Circuit breaker with multiple breaks, Compressed fluid. A. Clerc. 2,100,182; Nov. 23.
Circuit, Differentially operated detection. J. J. Stephens. 2,100,206; Nov. 23.
Circuit, Electrical communication. S. Ballantine. 2,100,180; Nov. 23.
Circuits embodying negative impedance. H. Nyquist. 2,099,769; Nov. 23.
Circuits for open wire lines, Shielded. L. Espenschied and H. E. Curtis. 2,099,800; Nov. 23.
Clamp: *See*—
  Battery terminal post clamp.
Cleaner: *See*—
  Suction cleaner. Windshield cleaner.
Cleaning method and apparatus. G. W. Allen and J. S. Farwell. 2,100,286; Nov. 23.
Clip: *See*—
  Continuous column clip.
Clip for fastening roofing. B. C. Kridler. 2,100,254; Nov. 23.
Clock of small diameter, Power. T. V. Moore and W. C. Landry. 2,099,821; Nov. 23.
Closure and spout for containers, Detachable. R. H. Lehew. 2,100,167; Nov. 23.
Closure device. H. E. Rubens. 2,100,173; Nov. 23.
Coal mining machine. J. C. White. 2,100,178; Nov. 23.
Coating apparatus. M. J. Conklin. 2,100,068; Nov. 23.
Coating for tennis strings and the like, Protective. G. V. Heyl. 2,100,250; Nov. 23.
Coffee or the like, Treatment of. P. R. Simpson. 2,099,945; Nov. 23.
Coil body for field coils of electrodynamic loudspeakers. H. Benecke 2,099,997; Nov. 23.
Coil stripper. W. H. Blount. 2,100,046; Nov. 23.

Coin registering and calculating apparatus. U. Sundelin and K. A. T. Granzelius. 2,100,061; Nov. 23.
Collar, Horse. R. McCubbing. 2,099,860; Nov. 23.
Combine, Corn. R. Groves. 2,100,137; Nov. 23.
Composition of matter adapted for increasing the water-resistance of fibrous substances specifically paper products and making same. C. Ellis. 2,099,880; Nov. 23.
Compositions containing esters of formals. G. W. Seymour. 2,099,758; Nov. 23.
Compound feeder. P. D. Blanchard and C. R. Hardy. 2,099,836; Nov. 23.
Compressor. F. M. McCracken. 2,100,014; Nov. 23.
Compressor mechanism. W. A. Joplin. 2,099,934; Nov. 23.
Condensation products, Production of water-soluble. R. Alles. 2,099,717; Nov. 23.
Condenser unit, Electrolytic. R. U. Clark. 2,099,797; Nov. 23.
Confections, Device for making frozen. C. G. Hall. 2,100,031; Nov. 23.
Connecter: *See*—
  Electrical connecter. Pipe connecter.
  Gas line connecter.
Connecter for V-belts. W. P. Taber. 2,099,831; Nov. 23.
Container: *See*—
  Dispensing container.
Container. J. N. Cayo. 2,100,240; Nov. 23.
Container. I. Florman. 2,099,805; Nov. 23.
Container assembling machine. S. Bergstein. 2,100,022; Nov. 23.
Container filling apparatus. T. A. Standley. 2,100,039; Nov. 23.
Containers or parts thereof, Manufacturing. H. M. Kieckhefer. 2,099,936; Nov. 23.
Continuous column clip. D. H. Bitney. 2,099,951; Nov. 23.
Control device. W. H. Richards. 2,099,706; Nov. 23.
Control system. S. A. Morehouse. 2,100,059; Nov. 23.
Controller for a radio receiving set, Automatic. J. F. Dailey. 2,099,971; Nov. 23.
Conveyer mechanism. R. W. Irwin and C. M. Herz. 2,100,253; Nov. 23.
Cooking apparatus. B. Ames. 2,099,788; Nov. 23.
Cooling device for hot seals. E. F. Mertis. 2,099,700; Nov. 23.
Copper and aluminum or copper and magnesium, and making same, Composite body of. C. E. Larson. 2,100,258; Nov. 23.
Cord, Instrument. A. Robertson. 2,100,088; Nov. 23.
Cosmetic products. F. Sommer and M. Nassau. 2,100,090; Nov. 23.
Cotton cleaning and reclaiming machine. J. E. Mitchell. 2,100,300; Nov. 23.
Cotton cleaning and reclaiming machine. J. E. Mitchell. 2,100,303; Nov. 23.
Counter selecting and operating means. W. L. Paden. 2,100,107; Nov. 23.
Coupling: *See*—
  Hose coupling.
Coupling for power drive, Flexible. A. F. Grodhaus. 2,099,848; Nov. 23.
Coupling for radio volume control or the like, Flexible. G. J. Barry. 2,100,232; Nov. 23.
Cover: *See*—
  Tank cover. Tire cover.
Cover for conduit outlet boxes. D. B. Winter. 2,099,918; Nov. 23.
Coverall for ranges. W. D. Teague, Jr. 2,100,293; Nov. 23.
Covering, Wall. J. Tomec. 2,100,175; Nov. 23.
Culinary article. N. Bell. 2,100,021; Nov. 23.
Culinary device. R. W. Rotter. 2,100,271; Nov. 23.
Current controlling apparatus. H. E. Young. 2,099,714; Nov. 23.
Current system, Constant. H. E. Young. 2,099,715–16; Nov. 23.
Curtain fixture. C. A. Plaunt. 2,099,770; Nov. 23.
Curtain fixture, Adjustable window. A. C. Seibel. 2,099,707; Nov. 23.
Cushion filling machine, Adjustable. M. H. Lang. 2,099,897; Nov. 23.
Cushion, Pneumatic. H. C. Stanley and W. H. Smith. 2,099,870; Nov. 23.
Cut-out, Mecurial electric. F. T. Jenkins. 2,100,033; Nov. 23.
Cutting and winding machine. O. I. Judelshon. 2,100,079; Nov. 23.
Cylinder, Printing plate. H. A. W. Wood. 2,100,207; Nov. 23.
Dealkylation of alkyl-aryl ethers. J. M. Tinker and V. M. Weinmayr. 2,100,228; Nov. 23.
Decalcomania. F. W. Humphner. 2,100,140; Nov. 23.
Dehydrator. O. W. Randolph. 2,100,150; Nov. 23.
Delivery mechanism for printing machines. J. E. Meyer. 2,099,820; Nov. 23.
Delivery mechanism for use in delivering the products of printing machines in counted batches. C. G. Quick, D. A. Ball, and W. A. Whitehead. 2,100,016; Nov. 23.
Device for solving relative movement problems. R. Willson. 2,099,713; Nov. 23.
Diffuser. G. A. Marks. 2,099,767; Nov. 23.
Directional gyroscopic indicator. W. A. Reichel. 2,099,705; Nov. 23.
Discharge apparatus, Electric. E. F. Lowry. 2,100,195; Nov. 23.
Diseases, Apparatus and process for treatment of respiratory. D. D. Cook. 2,099,954; Nov. 23.
Dispenser control means. J. M. Gordon. 2,099,732; Nov. 23.
Dispensing apparatus. C. L. Gebauer and W. H. Brown. 2,099,847; Nov. 23.
Dispensing apparatus, Electrically actuated. M. Ferrer. 2,100,212; Nov. 23.
Dispensing container. J. R. Bedell. 2,100,096; Nov. 23.
Dispensing device. P. M. Chernoff. 2,099,839; Nov. 23.
Display device. H. Harrison. 2,100,077; Nov. 23.
Display device. W. Reed. 2,100,223; Nov. 23.
Display sign. F. Stonebraker, Sr. 2,100,111; Nov. 23.
Distributor valve. B. N. Ashton. 2,100,154; Nov. 23.
Door lock. S. Bubes. 2,100,237; Nov. 23.
Dough preparation, Apparatus for. E. J. Lauterbur. 2,099,937; Nov. 23.
Doughnut forming machine. F. Maier. 2,099,900; Nov. 23.
Drafts to cotton slivers, Apparatus for giving. K. Honda. 2,100,139; Nov. 23.
Drill: *See*—
  Rotary core drill.
Drive, Hydraulic. R. Lapsley. 2,100,191; Nov. 23.
Driving mechanism. R. P. Lansing. 2,099,813; Nov. 23.
Driving mechanism. R. M. Nardone. 2,099,768; Nov. 23.
Electric apparatus, Controlling. E. G. Touceda. 2,099,764; Nov. 23.
Electric attachment plug. A. W. Muller. 2,099,986; Nov. 23.
Electric generator. S. G. Dawlen and E. E. W. Anderson. 2,099,972; Nov. 23.
Electric lamp support. R. H. Cunningham. 2,100,241; Nov. 23.
Electrical connecter. J. J. Hardy, Jr. 2,100,009; Nov. 23.
Electrical connecter. E. E. Saxton. 2,099,944; Nov. 23.
Electrical connecting means. H. A. Douglas. 2,100,025; Nov. 23.
Electrical duct feed. M. M. Clayton. 2,100,100; Nov. 23.
Electrical machine inserted in a series network and operating at an adjustable constant speed. J. M. Pestarini. 2,100,171; Nov. 23.
Electricity meter. F. Kurz. 2,099,854; Nov. 23.
Electrolytic apparatus for preparing chemical solutions. R. B. Everson. 2,099,801; Nov. 23.
Electron discharge device. E. F. Lowry. 2,100,196; Nov. 23.
Electron discharge device. C. F. Miller. 2,100,308; Nov. 23.
Electron tube. R. T. Orth. 2,099,749; Nov. 23.
Electron tube. J. T. Wilson. 2,099,994; Nov. 23.
Electrostethograph. M. L. Lockhart. 2,099,938; Nov. 23.
Elevator control system. H. Waters, A. W. Paulson, and M. Troster, Jr. 2,100,176; Nov. 23.
Elevator system. H. Waters, A. W. Paulson, and M. Troster, Jr. 2,100,177; Nov. 23.
Enameling furnace. J. L. McFarland. 2,100,222; Nov. 23.
Engine: *See*—
  Internal combustion engine. Rotary combustion engine.
Engine intake system. A. V. D. Willgoos. 2,099,785; Nov. 23.
Engine starting mechanism. M. J. Finnegan. 2,099,804; Nov. 23.
Escapement device on paper carriages for typewriters. F. Eibert. 2,100,071; Nov. 23.
Esters of formals and preparing them. G. W. Seymour. 2,099,757; Nov. 23.
Ether, Means and compositions for the stabilization of divinyl. R. T. Major and W. L. Ruigh. 2,099,695; Nov. 23.
Extensometer, Indicating. A. B. Kinzell. 2,099,896; Nov. 23.
Extracting and discharging mechanism, Centrifugal. E. L. Miller. 2,099,863; Nov. 23.
Extractor-cleaner machine. J. E. Mitchell. 2,100,198; Nov. 23.
Extractor-cleaner reclaiming machine. J. E. Mitchell. 2,100,199; Nov. 23.
Eyeglass frame. P. Mertens. 2,099,748; Nov. 23.
Fabric, Apparatus for weaving terry. M. Van de Gasteele. 2,099,780; Nov. 23.
Facsimile system. H. Shore. 2,100,204; Nov. 23.
Fan assembly, Combined circulating and ventilating. M. P. Youker. 2,100,152; Nov. 23.
Fastener: *See*—
  Weatherproofing fastener.
Feeder: *See*—
  Compound feeder.
Fertilizer sowing attachment for seeding machines. A. M. Buehler. 2,099,795; Nov. 23.
Film, Apparatus for projecting lenticular. J. Eggert and G. Heymer. 2,100,134; Nov. 23.
Film driving system. S. A. Murdock. 2,099,987; Nov. 23.
Films from metal vaporized in vacuo, Deposition of metallic. P. Alexander. 2,100,045; Nov. 23.
Filter: *See*—
  Oil filter.
Filter for smoking devices, Smoke. E. Hallner. 2,100,051; Nov. 23.
Fire extinguisher, Portable. J. L. Seat. 2,099,828; Nov. 23.

Fire fighting and rescue apparatus. H. F. Buchheit. 2,100,066; Nov. 23.
Firearm. G. Tauschek. 2,099,993; Nov. 23.
Firecracker package, Boxed row. R. B. Whiteside. 2,099,783; Nov. 23.
Fishing net. O. Dahl and W. F. Black. 2,100,160; Nov. 23.
Flange unit, Barrel or drum. E. G. Melrath. 2,100,168; Nov. 23.
Flatiron holder. F. R. Staudle. 2,099,760; Nov. 23.
Flaw detector mechanism. H. C. Drake. 2,099,844; Nov. 23.
Floor covering. G. G. Hunter, H. M. Pryale, and S. C. Clark. 2,099,809; Nov. 23.
Floor surfacing machine. G. A. Berman. 2,099,969; Nov. 23.
Fluid-thermo-valve. J. M. King. 2,099,811; Nov. 23.
Foreign bodies on the bottoms of transparent vessels, Apparatus for detecting the presence of. N. P. Stoate and W. A. Robinson. 2,100,227; Nov. 23.
Foundation for machinery, Portable. E. T. Larkin. 2,099,898; Nov. 23.
Frame: *See*—
Eyeglass frame. Hatch frame.
Front wheel, Independently sprung. P. E. Matthews. 2,100,285; Nov. 23.
Fruit cutting device. E. I. Hess. 2,099,978; Nov. 23.
Fuel, Method of burning. O. L. Bock. 2,100,049; Nov. 23.
Fuel, Motor. V. Conquest. 2,100,287; Nov. 23.
Fuel, Motor. F. A. Howard. 2,099,850; Nov. 23.
Fuel reclaiming device. H. O. Ewing. 2,099,802; Nov. 23.
Furnace: *See*—
Enameling furnace. Muffle and like furnace.
Furnace. G. Pirich. 2,099,704; Nov. 23.
Gas flow means for anesthetic apparatus and the like. K. Connell. 2,099,842; Nov. 23.
Gas line connecter, Ductile. J. C. Romine. 2,100,270; Nov. 23.
Gas producer. G. Szikla and A. Rozinek. 2,099,968; Nov. 23.
Gases, Apparatus for the administration of. K. Connell. 2,099,841; Nov. 23.
Gases, Electrical purification of. V. Beran. 2,100,155; Nov. 23.
Gasoline from cracked naphtha, Producing. E. H. Barlow, A. P. Hewlett, and P. E. Kuhl. 2,099,835; Nov. 23.
Gauge: *See*—
Printer's gauge.
Gauges, Making. T. M. Eynon. 2,099,803; Nov. 23.
Gear transmission, Variable speed. C. O. Hall. 2,099,734; Nov. 23.
Gearing for driving superchargers on aircraft engines. G. M. Cutler. 2,099,675; Nov. 23.
Generator: *See*—
Electric generator. Steam generator.
Generator operation. W. E. Kilmore. 2,100,076; Nov. 23.
Girdle. M. Goodman. 2,100,163; Nov. 23.
Glass, Magnifying. P. C. Carlton. 2,100,239; Nov. 23.
Governor clutch drive mechanism support. R. F. Peo and W. D. Drysdale. 2,099,750; Nov. 23.
Grate, Wet refuse burning. L. J. Schrenk. 2,099,827; Nov. 23.
Grease retainer. E. P. Travis. 2,100,113; Nov. 23.
Grid, Burner forming. F. H. Schneider. 2,100,292; Nov. 23.
Gridiron. J. P. L. Lafitte. 2,099,693; Nov. 23.
Grille guard. A. V. Weasler and W. J. Dooley. 2,100,018; Nov. 23.
Grinding mill. A. J. Mosley. 2,100,200; Nov. 23.
Guide shoe, Elevator roller. C. Norton. 2,100,169; Nov. 23.
Gun fire control apparatus, Machine. G. E. Beharrell, J. Wright, and H. Trevaskis. 2,100,097; Nov. 23.
Gun, Hand and air low pressure grease. A. Johnson. 2,099,959; Nov. 23.
Hair cutting device. J. Mareska. 2,100,082; Nov. 23.
Hair waving apparatus. P. Constantine. 2,100,158; Nov. 23.
Hair waving device. W. H. Hermsdorf. 2,099,736; Nov. 23.
Hair waving apparatus. W. S. Lewis. 2,099,856; Nov. 23.
Hairpin. E. D. Davis. 2,099,927; Nov. 23.
Halogenation process and product. W. R. Waldron. 2,099,781; Nov. 23.
Handbag. A. M. Bressler. 2,099,924; Nov. 23.
Handbag. E. Konelsky. 2,099,853; Nov. 23.
Handle: *See*—
Saw handle.
Handle structure, Pump. V. A. Thomas. 2,099,832; Nov. 23.
Harness cord. O. N. Whitehead and W. H. Toelle. 2,099,950; Nov. 23.
Hatch construction. C. D. Bonsall. 2,100,120–1; Nov. 23.
Hatch construction. C. D. Bonsall. 2,100,123; Nov. 23.
Hatch construction. C. D. Bonsall. 2,100,126–7; Nov. 23.
Hatch construction. C. D. Bonsall. 2,100,130; Nov. 23.
Hatch construction. P. E. Finger. 2,100,122; Nov. 23.
Hatch construction. G. G. Gilpin. 2,100,124–5; Nov. 23.
Hatch construction. V. E. West. 2,100,128; Nov. 23.
Hatch for railway cars. W. C. Stone. 2,100,119; Nov. 23.
Hatch frame. L. C. Wilkoff. 2,100,129; Nov. 23.
Hearing organs, Apparatus for exercising the. B. A. Stern. 2,099,871; Nov. 23.
Heater: *See*—
Air circulating heater.
Heating unit, Water. C. Tompson and G. Ray. 2,099,947; Nov. 23.
Heel-seat fitting machine. R. S. Megathlin. 2,099,698; Nov. 23.
Hinged structure. R. C. Todd. 2,099,778; Nov. 23.
Hog carcasses, Treatment of. F. M. Tobin. 2,100,299; Nov. 23.
Hog trap. J. H. Flatley. 2,099,956; Nov. 23.
Hoist, Free-chain. F. W. Colling. 2,099,676; Nov. 23.
Hoist, Hydraulic. P. R. Hasson and N. C. Storey. 2,099,886; Nov. 23.
Holder: *See*—
Article holder. Multiple-shade holder.
Card holder. Sack holder.
Flatiron holder. Tube holder.
Lariat holder.
Holder and tie clasp, Combined collar. W. J. Morse. 2,099,901; Nov. 23.
Holder for brake inspection tags. G. J. Thieler. 2,100,041; Nov. 23.
Hose coupling. A. J. Weatherhead, Jr. 2,099,915; Nov. 23.
Hosiery, Full-fashioned. J. C. J. Strahan. 2,099,991; Nov. 23.
Hosiery knitting machine, Full fashioned. G. Scherle. 2,100,202; Nov. 23.
Hydrocarbons, Treatment of. R. F. Ruthruff. 2,099,755; Nov. 23.
Hydrant. J. Doppelhammer. 2,099,928; Nov. 23.
Ice, Apparatus for producing. H. Tietz. 2,100,151; Nov. 23.
Identification and recording devices. E. W. Davis and A. H. Maynard. 2,099,679; Nov. 23.
Ignition system for internal combustion engines. B. M. Cain. 2,100,210; Nov. 23.
Illuminating device. T. J. Brock. 2,099,952; Nov. 23.
Images, Apparatus for producing. C. Parker. 2,100,148; Nov. 23.
Indicator: *See*—
Directional gyroscope indicator. Speed limit indicator.
Influent supply, Method and apparatus for. F. F. Waechter and H. F. Watson. 2,099,914; Nov. 23.
Insecticide. P. S. Schaffer and H. L. J. Haller. 2,099,826; Nov. 23.
Insulated rail joint. C. A. Disbrow. 2,099,680; Nov. 23.
Insulation for electrical conductors, Entrance. H. Handrek. 2,100,187; Nov. 23.
Internal combustion engine. C. H. Knudsen. 2,099,852; Nov. 23.
Internal combustion engine. S. Lake. 2,099,983; Nov. 23.
Internal combustion engine. F. C. Mock. 2,100,143; Nov. 23.
Internal combustion engine. A. K. Zimmerman. 2,100,064; Nov. 23.
Iron, Electric soldering. C. T. Beadling. 2,099,792; Nov. 23.
Iron, Manufacture of pig. M. Paschke and E. Peetz. 2,100,086; Nov. 23.
Iron sleeper. C. Wallmann, J. Grossweischede, and B. Kruse. 2,100,153; Nov. 23.
Isopropyl sulphates, Preparation of. A. W. Larchar. 2,099,814; Nov. 23.
Jack: *See*—
Chain jack.
Jewelry, Article of. L. Garfinkel. 2,099,730; Nov. 23.
Joint: *See*—
Insulated rail joint. Metallic expansion joint.
Pipe joint.
Juice from vegetable pulp and like materials, Extraction of. C. E. Jenkins. 2,099,739; Nov. 23.
Kaleidoscopic projection and apparatus therefor. E. W. Pennington and C. E. Porter, Jr. 2,099,904; Nov. 23.
Lamp. S. Stahl. 2,099,830; Nov. 23.
Lariat holder. E. G. Brown. 2,100,023; Nov. 23.
Last for boots and shoes, Reinforced. W. P. Field. 2,100,278; Nov. 23.
Leader bracket. L. C. Eberle. 2,100,001; Nov. 23.
Lens. H. W. Lee. 2,100,290–1; Nov. 23.
Lever, Brake. C. R. Duncan. 2,099,728; Nov. 23.
Lifesaving and swimming propelling device. L. M. de Corlieu. 2,099,973; Nov. 23.
Lift, Vehicle. L. C. Stukenborg. 2,099,775; Nov. 23.
Lifting apparatus. H. Nilson. 2,099,903; Nov. 23.
Light for lifeboats, Automatic electric safety. G. A. F. Winckler. 2,099,878; Nov. 23.
Light projecting apparatus. W. C. Hackman. 2,099,975; Nov. 23.
Light support. F. C. McGrady. 2,100,058; Nov. 23.
Line tap stick wrench. S. P. Becker. 2,099,921; Nov. 23.
Lint, Collecting. D. Taylor. 2,100,112; Nov. 23.
Liquid expresser. L. F. Ducker. 2,100,026; Nov. 23.

Liquids from solids and apparatus therefor, Separating. N. R. Andrews. 2,100,118; Nov. 23.
Liquor, Hydrolyzing reactive acid. R. B. Lebo and B. T. Brooks. 2,099,855; Nov. 23.
Loading and unloading device for trucks or other vehicles. R. H. Berg. 2,099,998; Nov. 23.
Lock: *See*—
Automatic chain lock. Valve lock.
Door lock.
Locomotive steam separator. L. F. Wilson and R. J. Williams. 2,100,095; Nov. 23.
Log turner. B. O. Ward. 2,100,115; Nov. 23.
Loom shuttle. J. T. Curboy. 2,100,101; Nov. 23.
Lubricating device. J. L. Creveling. 2,100,069; Nov. 23.
Lubricating device. H. R. Tear. 2,100,091–2; Nov. 23.
Luggage rack. E. Montgomery. 2,100,261; Nov. 23.
Machine and process for producing flake metal by electrodeposition. M. M. Sternfels. 2,099,873; Nov. 23.
Machine for grading or sorting by weight. W. Jones. 2,099,893; Nov. 23.
Machine for grinding gears. E. W. Bullock, C. T. Galloway, L. O. Carlsen, and R. S. Condon. 2,099,674; Nov. 23.
Machine for grinding tools. S. A. Cogsdill. 2,099,724; Nov. 23.
Magnesium and aluminum and making same, Composite body of. C. E. Larson. 2,100,257; Nov. 23.
Magnetron discharge tube apparatus. K. Fritz. 2,100,162; Nov. 23.
Margin bar for printing cylinders. H. A. W. Wood. 2,100,208; Nov. 23.
Marker, Garment. A. R. Price. 2,099,943; Nov. 23.
Massaging device. G. A. Belknap. 2,100,234; Nov. 23.
Material, Handling rolled. J. Gassen. 2,100,075; Nov. 23.
Material loading apparatus. J. F. Joy. 2,099,981; Nov. 23.
Material working apparatus. E. J. Svenson. 2,099,776; Nov. 23.
Materials, Apparatus for the movement of viscous. G. C. Engstrand. 2,100,185; Nov. 23.
Materials, Apparatus for treating. W. L. Wettlaufer. 2,100,117; Nov. 23.
Mattresses, Manufacture of. J. R. Johnson. 2,100,104; Nov. 23.
Mausoleum. W. A. Martin. 2,100,013; Nov. 23.
Measuring dynamic characteristics, Method and means for. E. L. Bowles. 2,099,923; Nov. 23.
Mechanism for handling freight containers. B. F. Fitch. 2,099,684; Nov. 23.
Metallic expansion joint. J. I. Burgess. 2,100,238; Nov. 23.
Metals and slags, Treatment of. R. Perrin. 2,100,264; Nov. 23.
Metals, Etching. D. A. Marshall. 2,099,697; Nov. 23.
Meter: *See*—
Electricity meter.
Meter for measuring and registering liquid volumes received and delivered. F. Hejduk and J. Neumann. 2,100,052; Nov. 23.
Meter pivot. F. C. Kelley. 2,100,218; Nov. 23.
Milking-machine inflation. G. W. Green. 2,099,884; Nov. 23.
Mill: *See*—
Grinding mill.
Mixing machine. E. J. Robbins. 2,099,964; Nov. 23.
Mold and slug, Typographical. E. M. Righter. 2,100,304; Nov. 23.
Motors, Regulating the speed of polyphase alternate current. H. V. James. 2,099,890; Nov. 23.
Mount for indicators. W. F. Herold and L. Deutsch. 2,099,958; Nov. 23.
Mounting for independent shifting, Vehicle wheel. H. R. Fowler. 2,100,136; Nov. 23.
Mounting for marine use, Oil burner. C. O. Carlson. 2,099,838; Nov. 23.
Mounting of auxiliaries for tractor engines. D. R. Baker, C. R. Rogers, and N. O. Panzegrau. 2,099,799; Nov. 23.
Mower, Tractor propelled gang lawn. A. F. Moyer and G. C. Kleidon. 2,099,902; Nov. 23.
Muffle and like furnace. H. W. Spencer and L. S. Davis. 2,099,967; Nov. 23.
Muffler. L. R. Heath. 2,099,887; Nov. 23.
Muffler construction. R. J. MacKenzie and L. L. Haas. 2,099,858; Nov. 23.
Multiple-shade holder. P. Henningsen. 2,100,078; Nov. 23.
Multisection braiding machine. H. Janssen. 2,099,933; Nov. 23.
Neck for musical instruments. G. Hart. 2,100,249; Nov. 23.
Nightdress and pajama. A. Gussow. 2,100,050; Nov. 23.
Noise suppressor, Intercarrier. R. D. Brown, Jr. 2,100,236; Nov. 23.
Nozzle, Faucet spray and strainer. A. W. Holmberg and C. W. Holmberg. 2,100,165; Nov. 23.
Nozzle, Open. K. R. Kennison. 2,100,219; Nov. 23.
Odometer for motor vehicles. E. V. Dardani. 2,100,024; Nov. 23.
Offset press, Miniature. M. Mendivia. 2,099,962; Nov. 23.
Oil, Apparatus for purifying. C. R. Reeves and C. R. Gentry. 2,099,824; Nov. 23.
Oil base hydratable drilling fluid. F. W. Rolshausen and S. L. Bishkin. 2,099,825; Nov. 23.
Oil, Cracking. C. E. Beatie. 2,100,048; Nov. 23.
Oil, Cracking of hydrocarbon. J. W. Throckmorton. 2,100,062; Nov. 23.
Oil, Emulsifying. A. G. Kaufmann. 2,099,894; Nov. 23.
Oil filter. M. H. Perry. 2,100,266; Nov. 23.
Oil, Recovery and purification of hydrocarbon. M. R. Mandelbaum. 2,100,011; Nov. 23.
Oil, Refining glyceride. B. Clayton. 2,100,277; Nov. 23.
Oil, Treating hydrocarbon. H. V. Atwell. 2,099,920; Nov. 23.
Oil, Treating hydrocarbon. P. C. Keith, Jr. 2,100,283; Nov. 23.
Oil, Treatment of hydrocarbon. M. H. Arveson. 2,099,919; Nov. 23.
Oil with dichloroethyl ether, Refining lubricating. C. C. Buchler and J. M. Page, Jr. 2,100,099; Nov. 23.
Oils, Decomposing hydrocarbon. W. H. Bahlke, R. F. Ruthruff, and F. W. Sullivan, Jr. 2,099,718; Nov. 23.
Oils, Distillation of hydrocarbon. M. C. Rogers. 2,099,907; Nov. 23.
Oils, Refining. B. Clayton, W. B. Kerrick, and H. M. Stadt. 2,100,274; Nov. 23.
Oils, Refining glyceride. B. Clayton, W. B. Kerrick, H. M. Stadt, and B. H. Thurman. 2,100,275; Nov. 23.
Oils, Refining glyceride type. B. Clayton. 2,100,276; Nov. 23.
1-acyl-amino anthraquinone-6-thiazoles. E. E. Beard. 2,099,673; Nov. 23.
Opener, Window. E. C. Horton. 2,100,055; Nov. 23.
Operating mechanism for automotive vehicles. H. E. Stein. 2,100,225; Nov. 23.
Optical system, Polarizing. E. H. Land. 2,099,694; Nov. 23.
Oscillograph, Thermionic. P. T. Farnsworth. 2,099,846; Nov. 23.
Oxyketone arsenicals and making them, Aromatic. C. S. Hamilton. 2,099,685; Nov. 23.
Package filling machine. A. Andreas. 2,099,834; Nov. 23.
Package, Hermetically sealed. H. E. Townsend. 2,099,710–11; Nov. 23.
Pad filling apparatus. T. L. McJoynt. 2,099,861; Nov. 23.
Page finder. R. H. Draeger. 2,099,682; Nov. 23.
Panel construction, Trim. W. C. Osborn. 2,099,989; Nov. 23.
Paper and making same. L. L. Dodge. 2,099,726; Nov. 23.
Pattern control and shedding mechanism for looms. E. P. Floyd and A. G. Hackney. 2,099,729; Nov. 23.
Pedal mechanism. D. Collins. 2,099,798; Nov. 23.
Pelorus. V. Seidelhuber. 2,099,772; Nov. 23.
Pen, Fountain. K. Y. Johannesson. 2,099,891; Nov. 23.
Pencil, Mechanical. P. S. Hauton. 2,100,007; Nov. 23.
Pencil, Slide. C. Bossert. 2,099,999; Nov. 23.
Perforating apparatus. H. G. Johnstone. 2,099,892; Nov. 23.
Phase modulation. W. Buschbeck. 2,100,156; Nov. 23.
Phenols, Alkylation of trihydric. V. Ipatieff. 2,099,738; Nov. 23.
Photographic printing machine. P. A. M. Priou. 2,100,087; Nov. 23.
Photographic shutter. W. A. Riddell. 2,099,866; Nov. 23.
Photography, Color. F. H. Snyder and H. W. Rimbach. 2,100,224; Nov. 23.
Picture projecting device. C. L. Stephens. 2,100,008; Nov. 23.
Picture system, Sound. E. R. Morton. 2,099,865; Nov. 23.
Pictures, Production of tanned. R. Zahn. 2,100,063; Nov. 23.
Pipe: *See*—
Cellar pipe. Tobacco pipe.
Smoking pipe.
Pipe cleaning tool, 90° bend, flexible. A. J. Carver. 2,099,723; Nov. 23.
Pipe connecter. G. Lundquist. 2,099,984; Nov. 23.
Pipe joint. J. A. Byers. 2,099,722; Nov. 23.
Piston. W. L. Schoengarth. 2,100,203; Nov. 23.
Plaster base. A. V. Spinosa. 2,099,709; Nov. 23.
Plate casting machine, Stereotype. F. A. Foster. 2,100,003; Nov. 23.
Playing racket. H. W. Hall. 2,099,735; Nov. 23.
Plug: *See*—
Electric attachment plug.
Plug adapter, Electric cord. L. J. Wahl. 2,100,094; Nov. 23.
Plug or cork for delivering doses. R. Schubenel. 2,100,038; Nov. 23.
Pneumatic control for a drilling rig, Distant. M. A. Capellushnicoff and S. L. Zalkin. 2,100,131; Nov. 23.
Point, Well. T. F. Moore. 2,100,145; Nov. 23.
Popgun barrel, Forming a. J. Gora. 2,099,806; Nov. 23.
Popper, Corn. H. L. Thompson. 2,099,911; Nov. 23.
Pouch. W. E. Baxter. 2,100,298; Nov. 23.
Power transmission mechanism, Automatically variable. H. F. Hobbs. 2,100,251; Nov. 23.
Precooling apparatus. J. R. Lewis, S. Perkins, and F. J. Lewis. 2,099,815; Nov. 23.

Preparations containing the active constituents of vegetable products, Production of. G. Madaus. 2,100,081; Nov. 23.
Press: *See*—
Offset press.
Printed matter and registering type, Lining up. J. P. Walsh. 2,100,114; Nov. 23.
Printer's gauge. H. F. Johnson. 2,100,217; Nov. 23.
Printing and drying, Apparatus for. C. E. Wooddell. 2,099,879; Nov. 23.
Printing, Color corrected. W. J. Wilkinson. 2,099,916; Nov. 23.
Printing mechanism. M. Garbell. 2,100,213; Nov. 23.
Printing or reproducing color photographs. G. B. Harrison and S. D. Threadgold. 2,100,006; Nov. 23.
Prints and the like, Apparatus for mounting. B. R. Dutcher. 2,099,845; Nov. 23.
Products impermeable to moisture, Manufacture of shaped. W. König. 2,099,812; Nov. 23.
Psoriasis, Treatment of. M. A. Marcus. 2,099,696; Nov. 23.
Pulverizing apparatus. L. V. Andrews. 2,100,020; Nov. 23.
Pump. W. L. Church. 2,099,840; Nov. 23.
Pyorrhea, Method and apparatus for treating. G. F. Webb. 2,100,116; Nov. 23.
Rack: *See*—
Luggage rack.
Radio broadcasting system. J. L. Wright. 2,099,787; Nov. 23.
Rail flaw detector mechanism. W. M. Perry. 2,099,823; Nov. 23.
Rail-retaining device. R. T. Woodings. 2,099,786; Nov. 23.
Recorder: *See*—
Scratch recorder.
Recording the work performed by welders. R. Sarazin. 2,099,965; Nov. 23.
Refrigerator structure. H. W. Blake. 2,099,793; Nov. 23.
Refrigerating apparatus. E. L. Horlacher. 2,100,288; Nov. 23.
Registering and displaying apparatus particularly applicable to totalizators. J. Handley. 2,100,164; Nov. 23.
Remote feed for liquid fuel. A. H. Klesa. 2,099,742; Nov. 23.
Ribbon feed mechanism, Time stamp. J. W. Faris. 2,100,027; Nov. 23.
Rings, Making piston. F. W. Wilkening. 2,099,712; Nov. 23.
Rivet. E. W. Curtis. 2,099,678; Nov. 23.
Road machine. C. A. Gustafson. 2,100,005; Nov. 23.
Rock or earth drill bit. J. P. Cunningham. 2,099,677; Nov. 23.
Roofing, Sheet metal. V. T. Renner. 2,099,752; Nov. 23.
Rotary combustion engine. W. H. Potthast. 2,100,267; Nov. 23.
Rotary core drill, Collapsible. G. A. Macready. 2,099,859; Nov. 23.
Rotary game table. O. Goldberger. 2,100,280; Nov. 23.
Rubber product and making the same, Porous. J. R. Gammeter. 2,100,029; Nov. 23.
Rubber, Production of vulcanized. H. O. Newman. 2,100,085; Nov. 23.
Rule and alignment tester, Combined adjustable straight-edge. D. H. Wieslander. 2,099,784; Nov. 23.
Sack holder. M. Brown. 2,100,235; Nov. 23.
Safety switch box. W. F. Sutherlin. 2,099,761; Nov. 23.
Salts of phthalocyanine-sulphonic acids, Water-insoluble metal. K. Holzach and G. Niemann. 2,099,689; Nov. 23.
Salts of phthalocyanine-sulphonic acids, Water insoluble. K. Holzach and G. Niemann. 2,099,690; Nov. 23.
Sampling valve. G. F. McDougall. 2,099,939; Nov. 23.
Saucer for cups. H. Klayf. 2,099,741; Nov. 23.
Saw handle, Crosscut. D. J. E. Smith. 2,099,966; Nov. 23.
Scale, Fluid transmission. C. R. Edwards. 2,099,955; Nov. 23.
Scanning device. M. M. Stern. 2,099,872; Nov. 23.
Scratch recorder. A. V. de Forest. 2,099,725; Nov. 23.
Screw propeller. E. L. Bellman. 2,099,922; Nov. 23.
Seal, Shaft. R. E. King. 2,100,220; Nov. 23.
Seat: *See*—
Adjustable seat. Swing seat.
Securing device. J. H. Van Uum. 2,100,017; Nov. 23.
Seismic reflection method. L. W. Blau. 2,099,837; Nov. 23.
Selvage forming device. G. H. McRae. 2,100,197; Nov. 23.
Separator: *See*—
Locomotive steam separator.
Separator for incinerators, Gas. G. J. Irsch. 2,100,189; Nov. 23.
Sewing machine. R. W. Johnson, C. I. Loverch, and M. Znum. 2,100,166; Nov. 23.
Shaft and manufacture, Hollow metal. W. W. McMinn. 2,100,307; Nov. 23.
Shaker, Cocktail. J. M. Riegel. 2,100,172; Nov. 23.
Shaver, Electric dry. I. Florman. 2,100,135; Nov. 23.
Shield, Auxiliary glare. F. C. Doody. 2,100,243; Nov. 23.
Shockproof attachment for dial indicators. A. H. Emery. 2,099,930; Nov. 23.
Shoe machine. A. F. Bancroft. 2,099,995; Nov. 23.
Shoes, Making. W. I. Duga and A. H. McNalley. 2,099,974; Nov. 23.
Shovel, Cultivator. H. Chibnik. 2,099,796; Nov. 23.
Showcase and sham construction. L. W. Kennedy. 2,099,935; Nov. 23.
Shower, Tub. C. H. Hagopian. 2,100,186; Nov. 23.
Sign: *See*—
Display sign. Street sign.
Signal: *See*—
Traffic signal.
Signal for automobiles. A. C. and W. Lee. 2,100,105; Nov. 23.
Signal for loaded guns, Safety. M. Skandera. 2,100,273; Nov. 23.
Signaling system for railroads. S. N. Wight. 2,100,295; Nov. 23.
Silencer. L. Haas. 2,100,030; Nov. 23.
Sinker for knitting machines. E. R. Piercy. 2,100,060; Nov. 23.
Ski plane. L. Gelbman. 2,099,731; Nov. 23.
Skip for concrete mixers. J. E. Van Orden. 2,100,229; Nov. 23.
Smoking pipe. J. Torres. 2,100,093; Nov. 23.
Smoking tube. E. Bruder. 2,099,925–6; Nov. 23.
Soap from marine oils, Manufacture of. S. Schmidt-Nielsen and A. Flood. 2,100,146; Nov. 23.
Soap, Manufacturing. K. Braun and H. Plauson. 2,100,047; Nov. 23.
Spark plug core. A. J. Hopkins. 2,099,737; Nov. 23.
Speed limit indicator, Adjustable. E. J. Graham. 2,100,214; Nov. 23.
Spraying device. E. O. Norris. 2,099,988; Nov. 23.
Spring: *See*—
Valve spring.
Spring shackle. A. N. Porter. 2,099,942; Nov. 23.
Spring trailer, Coil. L. Sterling. 2,100,040; Nov. 23.
Spirits, Manufacture of distilled. F. E. Miller. 2,099,864; Nov. 23.
Static limiting device. D. G. McCaa. 2,099,818; Nov. 23.
Steam generator. W. R. Irwin. 2,099,851; Nov. 23.
Steering wheel. H. Oehmen. 2,100,147; Nov. 23.
Stocking. J. Underwood and S. Mack. 2,099,948; Nov. 23.
Stoker, Mechanical. J. A. Hoffman. 2,100,252; Nov. 23.
Stool to be used in the casting of metal. C. H. Aldrich. 2,099,670; Nov. 23.
Strand handling apparatus. L. L. Weaver. 2,099,876; Nov. 23.
Strand winding machine. W. E. Mahoney. 2,099,985; Nov. 23.
Straw dispensing machine. D. Miller. 2,099,862; Nov. 23.
Street sign. B. H. Ernst. 2,099,882; Nov. 23.
Studding shoe. A. H. Bleuel. 2,100,209; Nov. 23.
Suction cleaner. D. G. Smellie. 2,100,089; Nov. 23.
Suit, Bathing. A. M. Hansen. 2,099,885; Nov. 23.
Sulphides and their production, Solubilized higher aliphatic. A. W. Baldwin and H. A. Piggott. 2,100,297; Nov. 23.
Support: *See*—
Adjustable body support. Light support.
Electric lamp support. Undergarment support.
Support for radio tubes and the like, Filament. H. J. McCarthy. 2,100,306; Nov. 23.
Supporting bracket, Venetian blind. F. J. Burns. 2,099,953; Nov. 23.
Swab. H. H. Chandler. 2,100,157; Nov. 23.
Swatter, Fly. L. D. Hokerk. 2,100,032; Nov. 23.
Swellable substance and making same from waxes, Voluminously. H. Cohn and C. Siebert. 2,100,067; Nov. 23.
Swing seat. W. B. Evans, F. C. Garratt, Jr., and E. F. Hoppes. 2,100,002; Nov. 23.
Switch machine for railroads. S. N. Wight. 2,100,296; Nov. 23.
Switchgear, Electrical. G. E. Whitehead. 2,100,230; Nov. 23.
Swivel and feed for rotary well drilling, Suspension hydraulic. G. R. Tremolada. 2,099,779; Nov. 23.
Table: *See*—
Cabinet table. Rotary game table.
Tacking strip. O. Thiel. 2,099,910; Nov. 23.
Tampon. C. A. Fourness. 2,099,931; Nov. 23.
Tank cover, Water. C. C. Isaacson. 2,099,932; Nov. 32.
Target. M. G. Rosengarten. 2,099,908; Nov. 23.
Teapot. L. Beling. 2,099,996; Nov. 23.
Telegraph system, Printing. W. T. Rea. 2,099,771; Nov. 23.
Telephone receiver. A. A. Duncan. 2,099,727; Nov. 23.
Telephone signaling apparatus, Automatic. J. E. Tuscher and M. Spiro. 2,099,913; Nov. 23.
Telepicture translating mechanism. W. G. H. Finch. 2,100,161; Nov. 23.
Television. J. D. McGee. 2,100,259; Nov. 23.
Television. G. W. Walton. 2,100,044; Nov. 23.
Television system. R. H. George and H. J. Helm. 2,100,279; Nov. 23.
Television system. H. E. Ives. 2,099,889; Nov. 23.
Television transmission, Method and apparatus for. H. A. Iams. 2,099,980; Nov. 23.

Temperature control apparatus. H. E. Hartig. 2,099,687; Nov. 23.
Temperature, Controlling superheat. G. P. Jackson. 2,100,190; Nov. 23.
Temperature modifier, Motor vehicle. H. Hueber and E. C. Horton. 2,100,281; Nov. 23.
Temperature rise alarms, Method and apparatus for initiating. F. M. Cowan. 2,100,183; Nov. 23.
Tetraalkyl thiuram monosulphides, Preparation of. N. C. Somers. 2,099,773; Nov. 23.
Textile printing process and printing paste therefor. E. Weiss. 2,099,782; Nov. 23.
Textiles, Finishing. H. D. F. von der Horst, F. Muenz, and A. Vogt. 2,099,765; Nov. 23.
Therapeutic product and making same. E. A. Sharp. 2,099,708; Nov. 23.
Thermal insulation. H. A. Kieselbach. 2,099,740; Nov. 23.
Thermometer. R. T. Hedfield and H. Seegers. 2,099,899; Nov. 23.
Thermostat. H. Sandvoss. 2,100,037; Nov. 23.
Thread cutting chaser. A. F. Breitenstein. 2,099,721; Nov. 23.
Time control system. J. P. Kriechbaum. 2,100,284; Nov. 23.
Time measuring mechanism. E. Spahn. 2,099,759; Nov. 23.
Tire cover, Metal. H. W. Tinker. 2,099,763; Nov. 23.
Tire rim, Demountable. A. Kendzierski. 2,099,895; Nov. 23.
Tire tread, Pneumatic. G. K. McNeill. 2,100,084; Nov. 23.
Tobacco pipe. R. F. Hallstein. 2,100,248; Nov. 23.
Tool: *See*—
Pipe cleaning tool.
Weeding and cultivating tool.
Tools, Orienting device for well. L. F. Bonney and R. B. Moran. 2,099,794; Nov. 23.
Tooth brush and making the same. W. E. Hill and C. L. McArthur. 2,099,688; Nov. 23.
Tooth brush, Electric reversible. G. R. Sawyer. 2,100,272; Nov. 23.
Top, Dispensing bottle. N. S. Martin. 2,100,083; Nov. 23.
Toy airplane catapult. J. W. Graham. 2,099,957; Nov. 23.
Toy, Figure. E. W. J. Fagan. 2,100,245; Nov. 23.
Tractors, Front end construction for. D. B. Baker, C. R. Rogers, and N. O. Panzegrau. 2,099,789; Nov. 23.
Traffic signal. R. W. Glawe. 2,100,246; Nov. 23.
Trailer hitch and brake actuator. J. T. Dixon. 2,100,133; Nov. 23.
Trainer for aviators. E. A. Link, Jr. 2,099,857; Nov. 23.
Trains, Apparatus for stabilizing high speed. K. P. Billner. 2,099,720; Nov. 23.
Transfer mechanism. L. A. Frayer. 2,100,028; Nov. 23.
Transmitter, Variable impulse. W. Koenig. 2,099,982; Nov. 23.
Trap: *See*—
Hog trap.
Tray for canary cages. J. P. Leindorf. 2,100,192; Nov. 23.
Trigger mechanism, Rotational. F. T. Holmes. 2,099,849; Nov. 23.
Truck. T. V. Buckwalter. 2,100,065; Nov. 23.
Truck for use with shaking conveyers, Conveyer-propelled supply. R. Moore. 2,100,144; Nov. 23.
Truck, Lifting. J. Loef. 2,100,194; Nov. 23.
Truck, Railway. D. S. Barrows. 2,100,181; Nov. 23.
Tube: *See*—
Electron tube. Smoking tube.
Tube holder. F. J. Travis. 2,100,042; Nov. 23.
Tubes and the like, Formation of breathing. K. Connell. 2,099,843; Nov. 23.
Tucking mechanism. D. E. Keech. 2,100,282; Nov. 23.
Tuning apparatus for radio receivers. H. D. Gregory. 2,099,733; Nov. 23.
Tuning for radio reception and the like, Preselective. T. A. Banning, Jr. 2,099,719; Nov. 23.
Turbine. U. Meininghaus. 2,099,699; Nov. 23.
2-chloro-5-amino-benzoic acid, Preparation of. R. F. Deese, Jr. 2,100,242; Nov. 23.
Typewriting machine. S. Khalil. 2,099,810; Nov. 23.
Typewriting machine. R. G. Thompson. 2,099,762; Nov. 23.
Typographical machine. S. E. Sperry. 2,100,305; Nov. 23.
Undergarment support. E. A. Wangenheim. 2,099,949; Nov. 23.
Utensil. F. P. Lackinger. 2,100,080; Nov. 23.
Valve: *See*—
Distributor valve. Sampling valve.
Fluid-thermo-valve.
Valve. N. Sutcliffe. 2,099,992; Nov. 23.
Valve body, Spiral packed working barrel. W. H. Hunter. 2,099,691; Nov. 23.
Valve gear for reciprocating pumping engines, Steam actuated poppet. M. M. Metcalf. 2,099,701; Nov. 23.
Valve lock. T. L. Stainbrook. 2,099,869; Nov. 23.
Valve spring. H. Krebs. 2,100,057; Nov. 23.
Vehicle bearing. C. G. Mahana. 2,099,817; Nov. 23.
Vehicle body, Poultry or livestock. W. M. Spencer. 2,099,774; Nov. 23.
Vehicle, Motor. C. R. Paton. 2,099,703; Nov. 23.
Vehicle pillar structure. P. H. Travis. 2,099,912; Nov. 23.
Vehicle suspension. P. E. Mercier. 2,099,819; Nov. 23.
Vending machine. P. C. Hughes. 2,100,216; Nov. 23.
Ventilating device for cars and the like. N. L. Willer. 2,099,917; Nov. 23.
Vessels, more particularly lamps, Evacuating. C. Trenzen. 2,099,874; Nov. 23.
Washer placing machine. W. H. Patten. 2,100,015; Nov. 23.
Washing apparatus. T. Krumm. 2,099,692; Nov. 23.
Water (back water) from paper, cellulose, and wood pulp factories, etc., Method and arrangement for filtering waste. O. Qviller. 2,100,149; Nov. 23.
Water closet. C. J. Weaver. 2,099,875; Nov. 23.
Water softener. E. C. Kroeger. 2,099,743; Nov. 23.
Water system, Domestic. W. H. Ryan. 2,100,109; Nov. 23.
Wax, Manufacture of black. A. D. David. 2,100,070; Nov. 23.
Wax mixtures, Treatment of. S. W. Ferris, W. F. Houghton, and H. C. Cowles, Jr. 2,099,683; Nov. 23.
Weatherproofing fastener. H. Rosenberg. 2,099,990; Nov. 23.
Weeding and cultivating tool. J. C. Kofoed. 2,100,221; Nov. 23.
Wheel: *See*—
Buffing wheel. Steering wheel.
Front wheel.
Wheel and axle assembly. A. H. Oelkers. 2,099,822; Nov. 23.
Window construction. F. J. Plym. 2,099,751; Nov. 23.
Windshield cleaner. E. Hansmann. 2,100,188; Nov. 23.
Windshield defroster blade. A. R. Wilson. 2,100,019; Nov. 23.
Windshield for ladder truck trailers, Tillerman's. P. Pirsch. 2,099,905; Nov. 23.
Wire cloth, Method and machine for producing brazed seams in. N. W. Webb. 2,100,294; Nov. 23.
Wrench: *See*—
Line tap stick wrench.
Wrench. R. B. Johnson. 2,099,960; Nov. 23.
Wrench. C. H. Leonard. 2,100,034; Nov. 23.
Wringer release and reset mechanism. N. L. Etten. 2,100,074; Nov. 23.
Yarn and preparing same, Spun. L. W. Weinberg. 2,099,766; Nov. 23.
Zinc and aluminum, Making composite bodies of. C. E. Larson. 2,100,255–6; Nov. 23.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 23, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 10: 2,100,282
2— 37: 2,100,163
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Rag Darling. For Wheat Flour. Eagle Milling Company. 50,402; Nov. 30.
Salerno Saltine Crackers. For Salted Crackers. Salerno-Megowen Biscuit Company. 50,425; Nov. 30.
Shepard's Fly Guard and Veterinary Liniment. For a Fly Guard and Veterinary Liniment. M. L. Shepard. 50,426; Nov. 30.
Silver Anchor. For Bourbon Whiskey. Rocky Mountain Brands, Incorporated. 50,423; Nov. 30.
Skilbru. For Beer. Kamm & Schellinger Company. 50,406; Nov. 30.
Texsun. For Canned Grapefruit Juice. Rio Grande Valley Citrus Exchange. 50,419; Nov. 30.
The Suzy Q Frock. For Frocks for Women. S. L. Hoffman & Co. 50,404; Nov. 30.
Vigilante. For Whiskey. Rocky Mountain Brands, Incorporated. 50,421; Nov. 30.
Wilson's Iso-Rub. For Preparation for Bathing and Massaging Purposes. A. Wilson. 50,428; Nov. 30.

LIST OF PRINTS

Enjoy Altes Lager. For Beer. Tivoli Brewing Company. 16,601; Nov. 30.
Forst's Formost Meat Products lead the Parade. For Meat Products. Jacob Forst Packing Co. Inc. 16,590; Nov. 30.
Gangway! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,589; Nov. 30.
If Your Clothes are not Becoming to You, then You Should be coming to Us. For Clothes. W. G. Hunt and L. O. Brooks. 16,594; Nov. 30.
Kin-Thur-Thum. For a Salve for Healing Peeps. C. E. Schmitt. 16,600; Nov. 30.
Pep up Your 'Below Par' Menus this Clever New Way! For Biscuit Flour. General Mills, Inc. 16,591; Nov. 30.
Pittsburgh Paints, Smooth as Glass. For Paint. Pittsburgh Plate Glass Company. 16,599; Nov. 30.
Presenting Young America's New Breakfast Cereal. For Cereal Food. General Mills, Inc. 16,592; Nov. 30.
Read what Happened when America's Greatest Miller set out to Produce a Perfect Breakfast Cereal. For Cereal Food. General Mills, Inc. 16,593; Nov. 30.
Sooto. For Imitation Coal Soot for playing a Joke. J. J. Miller. 16,598; Nov. 30.
The Flowers for October Calendula and Cosmos. For Handkerchiefs. J. H. Kimball, Inc. 16,597; Nov. 30.
White Bear Bread. For Bread. H. Baehr. 16,588; Nov. 30.
Wearever DeLuxe. For Fountain Pens and Pencils. David Kahn, Inc. 16,596; Nov. 30.
Wisemen. For Cigarettes. R. B. Mayo. 16, Nov. 30.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adelsperger, Charles C., deceased, by Union City Body Company, Union City, Ind., assignee. Chair back. 20,559; Nov. 30.

Bley, Fred, Chicago, Ill., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Abrasive saw tooth. 20,560; Nov. 30.

Bucy, Floyd L., and V. A. La Rock, Eau Claire, Wis. Curing rubber articles. 20,561; Nov. 30.

Carborundum Company, The. (See Bley, Fred, assignor.)

Cunningham, Homer B., Connellsville, and J. W. Tucker, Pittsburgh, Pa. Journal lubricator. 20,562; Nov. 30.

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

La Rock, Vela A. (See Bucy, F. L., and La Rock.)

Löwenstein, Leo, Berlin-Wilmersdorf, Germany. Packing acid sulphates and the like compounds. 20,563; Nov. 30.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Product packaging. 20,564; Nov. 30.

Staude, Edwin G., Minneapolis, Minn. Combined clutch and brake control. 20,565; Nov. 30.

Tucker, James W. (See Cunningham, H. B., and Tucker.)

Union City Body Company. (See Adelsperger, Charles C., assignor.)

Wiegand, Edwin L., Pittsburgh, Pa. Electrical heating unit. 20,566; Nov. 30.

LIST OF DESIGN PATENTEES

Albertson & Company. (See Albertson, Frans O., assignor.)

Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Sanding machine. 107,275; Nov. 30.

Baldwin Company, The. (See Day, Wilbur M., assignor.)

Batell, Jack J., Crete, Ill. Roofing or siding. 107,209; Nov. 30.

Bear, Fred B., Detroit, Mich. Archer's glove. 107,294; Nov. 30.

Behling, William G., Brooklyn, N. Y. Combination vending machine and scale. 107,210; Nov. 30.

Benjamin, Benjamin, Brooklyn, N. Y. Shoe. 107,211; Nov. 30.

Benjamin, Benjamin, Brooklyn, N. Y. Shoe. 107,212; Nov. 30.

Blake Manufacturing Corporation. (See Wood, Orville T., assignor.)

Boepple, Hans, New York, N. Y. Sweater. 107,213; Nov. 30.

Boepple, Hans, New York, N. Y. Sweater. 107,214; Nov. 30.

Bond, David S., Brookline, Mass. Vending machine. 107,215; Nov. 30.

Bowen, William F., North Attleboro, Mass., assignor to Evans Case Company. Handbag or the like. 107,216; Nov. 30.

Brunell, August P. (See Luteran, L. M., and Brunell.)

Bucholz, Israel, New York, N. Y. Dress. 107,295; Nov. 30.

Bucholz, Israel, New York, N. Y. Dress. 107,296; Nov. 30.

Bucholz, Israel, New York, N. Y. Dress. 107,297; Nov. 30.

Cannon Shoe Company. (See Knebler, Howard I., assignor.)

Carpenter, Howard F. (See Grossman, W. G., and Carpenter.)

Carr-Lowrey Glass Co. (See Funkey, John H., assignor.)

Charette, Odilon, Fitchburg, Mass. Illuminated artificial Christmas tree. 107,217; Nov. 30.

Cohen, David S., Brooklyn, N. Y. Shoe. 107,218; Nov. 30.

Crocker, Ernest O., Washington, D. C. Hat. 107,288; Nov. 30.

Day, Wilbur M., assignor to The Baldwin Company, Cincinnati, Ohio. Piano case. 107,289; Nov. 30.

Debnam, George R., Baltimore, Md. Ashtray. 107,219; Nov. 30.

Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., Dayton, Ohio. Textile floor covering. 107,220; Nov. 30.

Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., Dayton, Ohio. Textile floor covering. 107,221; Nov. 30.

Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., Dayton, Ohio. Textile floor covering. 107,276; Nov. 30.

Dewsbury, William O., Freehold, N. J., assignor to A. & M. Karagheusian, Inc., Dayton, Ohio. Textile floor covering. 107,277; Nov. 30.

Dobrusin, George, Chicago, Ill. Toy telephone. 107,222; Nov. 30.

Elsey, Warren R., Merion, Pa. Upholstery supporting frame for a railway coach or bus chair. 107,223; Nov. 30.

Emporium-Capwell Company, The. (See Kaplan, Walter F., assignor.)

Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,290; Nov. 30.

Ericson, Emile, Pelham, assignor to Whitehouse Fabrics, Inc., New York, N. Y. Brocatelle fabric. 107,224; Nov. 30.

Evans Case Company. (See Bowen, William F., assignor.)

Fenaroli, Louise, Astoria, Long Island, N. Y. Dress. 107,298; Nov. 30.

Fisk, Eva, New York, N. Y. Dress. 107,299; Nov. 30.

Florsheim Shoe Company, The. (See Pick, Oswald M., assignor.)

Fogel, Joseph. (See Most, A., and Fogel.)

Fuld, Jonas, New York, N. Y. Skirt. 107,291; Nov. 30.

Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 107,225; Nov. 30.

Funkey, John H., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 107,226; Nov. 30.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Scale. 107,227; Nov. 30.

Gemex Company. (See Sand, John, assignor.)

General Shaver Corporation. (See Landsiedel, Harry, assignor.)

Goldman, Harry, New York, N. Y. Dress. 107,300; Nov. 30.

Goodman, Louis, New York, N. Y. Tooth brush. 107,228; Nov. 30.

Grossman, Wallace G., and H. F. Carpenter, White Plains, N. Y. Floor mat or similar article. 107,278; Nov. 30.

Grunig, Bernhard C., Chicago, Ill. Coin chute mounting plate. 107,229; Nov. 30.

Hefter, Samuel L., Chicago, Ill. Plaque. 107,230; Nov. 30.

Hefter Samuel L., Chicago, Ill. Plaque. 107,231; Nov. 30.

Hettrick Manufacturing Company, The. (See Vavrik, Louis, assignor.)

Holler, William E., Birmingham, Mich. Fraternal charm or similar article. 107,232; Nov. 30.

Hurzeler, Alphons, New Rochelle, N. Y. Shoe. 107,233; Nov. 30.

Jacobs, Charles S., New York, N. Y. Spread or similar article. 107,234; Nov. 30.

Jacobs, Charles S., New York, N. Y. Spread or similar article. 107,235; Nov. 30.

Jacobs, Charles S., New York, N. Y. Spread or similar article. 107,236; Nov. 30.

Jacobs, Charles S., New York, N. Y. Spread or similar article. 107,237; Nov. 30.

Joline, Harry W., Philadelphia, Pa. Real estate photograph display rack. 107,238; Nov. 30.

Jones, Clarence M., Calhoun, Ga. Bedspread. 107,292; Nov. 30.

Kaplan, Albert, New York, N. Y. Dress. 107,301; Nov. 30.

Kaplan, Albert, New York, N. Y. Dress. 107,302; Nov. 30.

Kaplan, Walter F., San Francisco, Calif., assignor to The Emporium-Capwell Company. Textile fabric. 107,239; Nov. 30.

Karagheusian, A. & M., Inc. (See Dewsbury, William O., assignor.)

Kelly, Charles, Brooklyn, N. Y. Shoe. 107,240; Nov. 30.

Kraeft, Herman L., Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Skirt guard for a bicycle. 107,241; Nov. 30.

Knebler, Howard I., assignor to Cannon Shoe Company, Baltimore, Md. Store. 107,242; Nov. 30.

Kushner, Herman, New York, N. Y. Dress. 107,303; Nov. 30.
Lampel, Ida, New York, N. Y. Dress. 107,279; Nov. 30.
Landsiedel, Harry, Wilton, assignor to General Shaver Corporation, Bridgeport, Conn. Electric shaver. 107,243; Nov. 30.
Lang, Harry, New York, N. Y. Towel bar post or similar article. 107,244; Nov. 30.
Levin, David E., New York, N. Y. Shoe or similar article. 107,245; Nov. 30.
Little, H. C., Burner Co. (See Tilley, Melvin M., assignor.)
Luteran, Lewis M., and A. P. Brunell, Clifton, N. J. Food cutting board. 107,246; Nov. 30.
McDanial, Michael R., Denver, Colo. Spectacle frame 107,247; Nov. 30.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Wallpaper or similar article. 107,248; Nov. 30.
Most, August, and J. Fogel, Brooklyn, N. Y. Vanity case. 107,249; Nov. 30.
Murray-Ohio Manufacturing Company, The. (See Kraeft, Herman L., assignor.)
Nehls, Charles H., Detroit, Mich. Padlock. 107,250; Nov. 30.
Nicholson File Company. (See Noren, Raymond C. R., assignor.)
Noren, Raymond C. R., assignor to Nicholson File Company, Providence, R. I. File display box. 107,251; Nov. 30.
Ott, William H., Cincinnati, Ohio. Picture frame stand. 107,252; Nov. 30.
Pichel, Irving, New York, N. Y. Handbag. 107,293; Nov. 30.
Pick, Oswald M., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe sole. 107,253; Nov. 30.
Plankinton, William W. (See Stevens, Clifford B., assignor.)
Preece, Fred W., Toledo, Ohio. Putting game apparatus. 107,254; Nov. 30.
Ray, Harold R., Woodstock, Ill. Multiple trough out door weatherproof feeder. 107,280; Nov. 30.
Ray, Harold R., Woodstock, Ill. Outdoor weatherproof feeder. 107,281; Nov. 30.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,255; Nov. 30.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,256; Nov. 30.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,257; Nov. 30.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,258; Nov. 30.
Rogers, Jackson D., Bay Village, Ohio. Chair. 107,282; Nov. 30.
Rosenston, Morris, Boston, Mass. Shoe or similar article. 107,259; Nov. 30.
Rosenston, Morris, Boston, Mass. Shoe or similar article. 107,260; Nov. 30.
Runnels, Garland D., Seattle, Wash. Bottle. 107,261; Nov. 30.
Russakov, Jacob I., Chicago, Ill. Smoker's ash stand. 107,262; Nov. 30.
Samuelson, Max., Newburgh, N. Y. Lady's handbag. 107,263; Nov. 30.
Sand, John, assignor to Gemex Company, Newark, N. J. Watch bracelet. 107,264; Nov. 30.
Sand, John, assignor to Gemex Company, Newark, N. J. Watch bracelet. 107,265; Nov. 30.
Santore, Carolyn, M., New York, N. Y. Dress. 107,304; Nov. 30.
Schaefer, Henry G., Lakewood, Ohio. Combined automobile and trailer. 107,266; Nov. 30.
Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sohmer, Jacob, New York, N. Y. Dress. 107,305; Nov. 30.
Sohmer, Jacob, New York, N. Y. Dress. 107,306; Nov. 30.
Stark, Abraham, Brooklyn, N. Y. Button. 107,267; Nov. 30.
Stevens, Clifford B., assignor to William Woods Plankinton, Milwaukee, Wis. Automobile. 107,268; Nov. 30.
Stinson, Zetta, Hammon, Okla. Combined hair comb and curler. 107,283; Nov. 30.
Stirratt, Charles T., Duluth, Minn. Mattress. 107,269; Nov. 30.
Suhadolc, Hamell J., Hoboken, N. J. Combination comb and manicuring implement. 107,284; Nov. 30.
Thomas, Adolph A., New York, N. Y. Tire. 107,285; Nov. 30.
Thomas, Adolph A., New York, N. Y. Tire. 107,286; Nov. 30.
Thomas, Adolph A., New York, N. Y. Tire. 107,287; Nov. 30.
Tilley, Melvin M., San Rafael, assignor to H. C. Little Burner Co., Inc., Rafael, Calif. Air heater unit. 107,270; Nov. 30.
Vavrik, Louis, Rossford, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Rocking chair. 107,271; Nov. 30.
Vavrik, Louis, Rossford, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider frame. 107,272; Nov. 30.
Vavrik, Louis, Rossford, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Canopy. 107,273; Nov. 30.
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Whitehouse Fabrics, Inc. (See Ericson, Emile, assignor.)
Wood, Orville T., assignor to Blake Manufacturing Corporation, Clinton, Mass. Flashlight. 107,274; Nov. 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Reamer. 2,100,621; Nov. 30.
Abegg, Walter A., Los Angeles, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well reamer. 2,100,892; Nov. 30.
Ackroyd, James, and Sons. (See Kellogg, Alfred A., assignor.)
Adams, George R., Los Angeles, Calif. Surface bolt. 2,100,622; Nov. 30.
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Aiken, Walter S., assignor to The Clark-Aiken Company, Lee, Mass. Paper cutting apparatus. 2,100,930; Nov. 30.
Air Controls, Inc. (See Friedman, Arthur, assignor.)
Air Reduction Company. (See Deming, George M., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Nils A., assignor.)
Albert, Herman, et al. (See Bates, George A., assignor.)
Alco Valve Company. (See Sparks, Robert L., assignor.)
Allied Engineering Company. (See Grange, E. A., and Schmidt, assignors.)
Allis-Chalmers Manufacturing Company. (See Stivender, Edward H., assignor.)
Almen, John O., Royal Oak, and H. J. Kirschner, Detroit, assignors to General Motors Corporation, Detroit, Mich. Friction clutch. 2,100,464; Nov. 30.
Altheide, Harry F., Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Surface covering. 2,100,830; Nov. 30.
Alvistur, Oscar, San Francisco, Calif. Toy. 2,100,931; Nov. 30.
American Agricultural Chemical Company, The. (See Fischer, Samuel, assignor.)
American Can Company. (See Lindgren, Henry W., assignor.)
American Car & Foundry Company. (See Bradfield, George K., Jr., assignor.)
American Car and Foundry Company. (See Johnson, W. V., and Kepner, assignors.)
American Car and Foundry Company. (See Martin, L. W., and Lehmann, assignors.)
American Centrifugal Corporation. (See Pecker, Joseph S., assignor.)
American Engineering Company. (See Harrison, Clifford E., assignor.)
American Enka Corporation. (See Jansen, Cornelis G., assignor.)
American Enka Corporation. (See Weeldenburg, Johannes C., assignor.)
American Machine & Foundry Company. (See Fincke, Donald M., assignor.)
American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
Amity Leather Products Co. (See Welch, Herman B., assignor.)
Amyot, Louis J. A., Quebec, Quebec, Canada. Brassière and foundation garment. 2,100,932; Nov. 30.
Anderson, Arvid E., Drexel Hill, Pa., assignor to General Electric Company. Automatic reclosing circuit breaker. 2,100,893; Nov. 30.
Anderson, Edward C., assignor to Illinois Watch Case Company, Elgin, Ill. Lipstick container. 2,100,999; Nov. 30.
Anderson, Frank E., Inglewood, assignor to Boyle Manufacturing Company, Inc., Los Angeles, Calif. Canteen. 2,100,894; Nov. 30.
Andler, Robert F., Rutherford, assignor to Electrol Incorporated, Clifton, N. J. Mechanical advertising device. 2,100,690; Nov. 30.
Angelus, Louis, New York, and D. L. Baylis, Bellerose; said Baylis assignor to said Angelus. Dry cleaning apparatus and fluid circulating system therefor. 2,101,014; Nov. 30.
Arquint, Hans, Sursee, Switzerland. Safety gas-burner. 2,100,681; Nov. 30.
Ashjian, A. Ted, et al. (See Wohlfarth, Walter W., assignor.)
Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Rheinlander, Paul, assignor.)
Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Wünsch, Guido, assignor.)
Associated Electric Laboratories, Inc. (See Campbell, R. D., and Huebert, assignors.)
Associated Electric Laboratories, Inc. (See Richardson, Rodney G., assignor.)
Associated Electric Laboratories, Inc. (See Saunders, N. H., and Bakker, assignors.)
Associated Electric Laboratories, Inc. (See Sengebusch, Hans, assignor.)
Associated Electric Laboratories, Inc. (See White, Thomas U., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, A. E., and Sengebusch, assignors.)
Austin, Harold R., South Norwalk, Conn., assignor to The M. W. Kellogg Co., New York, N. Y. Lining for vessels. 2,100,895; Nov. 30.
Autocar Company, The. (See Bachman, Benjamin B., assignor.)
Automatic Signal Corporation. (See Barker, John L., assignor.)
Automobile Ventilation, Inc. (See Young, Leonard A., assignor.)
Automotive Maintenance Machinery Co. (See Zimmerman, Herman W., assignor.)
Babcock & Wilcox Company, The. (See Hardgrove, Ralph M., assignor.)
Bachelder, Le Roy B., Dayton, Ohio. Wall or floor structure and securing means. 2,100,424; Nov. 30.
Bachman, Benjamin B., Philadelphia, assignor to The Autocar Company, Ardmore, Pa. Motor vehicle construction. 2,100,371; Nov. 30.
Baer, Abram K., assignor to The Strouse Baer Company, Baltimore, Md. Outer garment. 2,100,933; Nov. 30.
Baird, Elmer G., et al. (See Bowe, Charles F., assignor.)
Baker, Charles E., Wethersfield, Conn. Variable speed transmission unit. 2,100,465; Nov. 30.
Baker, Rest R., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. System of control for dynamo-electric machines. 2,100,761; Nov. 30.
Bakker, Pier. (See Saunders, N. H., and Bakker.)
Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building construction. 2,101,001; Nov. 30.
Ball Brothers Company. (See Wadsworth, Frank L. O., assignor.)
Barker, John L., White Plains, N. Y., assignor to Automatic Signal Corporation, East Norwalk, Conn. Traffic control system. 2,100,831; Nov. 30.
Barna, Joseph W., Chicago, Ill. Manufacture of shoes. 2,100,794; Nov. 30.
Barrett Company, The. (See Altheide, Harry F., assignor.)
Barton, Armand, Chicago, Ill. Moving toy. 2,100,372; Nov. 30.
Bashford, Frederick G. C., and W. P. McLaren, Montreal, Quebec, Canada. Promoting combustion in internal combustion engines. 2,100,466; Nov. 30.
Bates, George A., assignor of forty per cent to C. V. Lally and twenty per cent to H. Albert, Cambridge, Mass. Decoy. 2,100,623; Nov. 30.
Baumgarten, Harold A., Loganville, Wis. Door controlling mechanism. 2,100,795; Nov. 30.
Baxter, William C. (See De Puy, C. T., and Baxter.)
Baylis, Daniel L. (See Angelus, L., and Baylis.)
Beardsley, Bruce, Brooklyn, N. Y., and M. V. Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Belt conveyer. 2,100,585; Nov. 30.
Beatrice Creamery Company. (See Drake, Ronald I., assignor.)
Beck, Vernon S., St. Louis, Mo. Heating apparatus. 2,100,373; Nov. 30.
Beck, Vernon S., St. Louis, Mo. Heater. 2,100,772; Nov. 30.
Becker, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Coking retort oven. 2,100,762; Nov. 30.
Beckwith, Charles J., Brooklyn, N. Y., assignor to Keasbey & Mattison Company, Ambler, Pa. Insulating construction. 2,100,624; Nov. 30.
Beers, Royce L., Birmingham, assignor to Detroit Stoker Company, Monroe, Mich. Cinder and ash remover. 2,100,682; Nov. 30.
Behnke, Bertram C., Chicago, Ill. Cotter pin. 2,100,896; Nov. 30.
Bell Telephone Laboratories, Incorporated. (See Blair, Royer R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Goff, Harold W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated, et al. (See Mason, W. P., assignor, Stanton, and Tweeddale.)

Bell Telephone Laboratories, Incorporated. (See Scott, Herbert J., assignor.)
Bell Telephone Laboratories, Incorporated. (See von der Linden, Ernst, assignor.)
Bell Telephone Laboratories, Incorporated. (See Ward, Frank E., assignor.)
Bender, Robert C., Davenport, Iowa. Returnable shipping container. 2,100,309; Nov. 30.
Bennett, Albert E., Green Cove Springs, Fla. Bag holder. 2,100,501; Nov. 30.
Bennett, Maurice D., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Locking system. 2,100,897; Nov. 30.
Bent, Franklin A., and S. N. Wik, Berkeley, and W. Ponig, assignors to Shell Development Company, San Francisco, Calif. Lacquer solvent and thinner. 2,100,425; Nov. 30.
Berger, Arthur F., and M. Voege, assignors to The Master Electric Company, Dayton, Ohio. Electric series-parallel switch. 2,100,426; Nov. 30.
Berges, Donald M., Bloomfield, assignor to Eclipse Aviation Corporation, East Orange, N. J. Aircraft. 2,100,934; Nov. 30.
Behrman, John W., Lincoln Park, and R. L. Robiolio, assignors of forty per cent to Federal Industrial Corporation, Paterson, and sixty per cent to C. W. Brooks, Montclair, N. J. Fuel injector pump. 2,100,318; Nov. 30.
Bernett, Willis J., Kansas City, Mo. Lung exercising toy. 2,100,898; Nov. 30.
Betts, John R., Kearney, Nebr. Power take-off. 2,100,310; Nov. 30.
Bhatnagar, Shanti S., Lahore, India, assignor to Steel Brothers & Company Limited, London, England. Refining of mineral oils. 2,100,707; Nov. 30.
Bierwirth, Edwin A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Die construction. 2,100,683; Nov. 30.
Biever, Edmund J., Kohler, Wis. Filtering assembly for respirators. 2,100,374; Nov. 30.
Birr, Rudolph G., Lombard, and A. C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,100,729; Nov. 30.
Bixby, Walter. (See Hathaway, E. F., and Bixby.)
Black, Crayton K. (See Carr, J. L., and Black.)
Black, Frank, Christmas, Ariz. Animal clamp. 2,100,730; Nov. 30.
Black, Harold G., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Air baffle for rayon cake driers. 2,100,935; Nov. 30.
Blackhawk Mfg. Co. (See Mandl, S., and Pfauser, assignors.)
Blair, Royer R., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Gain control. 2,100,375; Nov. 30.
Blakley, Vincent A., and A. N. Lindenmuth, Allentown, Pa. Shoulder strap device. 2,100,708; Nov. 30.
Blaw-Knox Company. (See Chandler, Willard P., Jr., assignor.)
Blocker, Samuel J., Dallas, Tex. Automatic glare shield. 2,100,427; Nov. 30.
Boden, Samuel H. (See Schofield, S. T., and Boden.)
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,100,773; Nov. 30.
Boggs, Wilber S., Las Animas, Colo. Moving picture machine. 2,100,535; Nov. 30.
Bold, John W. (See Ryan, W. M., and Bold.)
Bond, Albert J., assignor of forty-nine per cent to L. H. Henry, Mercedes, Tex. Fishing rod and reel. 2,100,428; Nov. 30.
Bonn, Henry H., Jr., Milwaukee, Wis. Speed changing device. 2,100,936; Nov. 30.
Boothroyd, Hubert. (See Clarke, T. B., and Boothroyd.)
Borden, Perry A., assignor to The Bristol Company, Waterbury, Conn. Telemetering system. 2,100,467; Nov. 30.
Borg-Warner Corporation. (See Fawick, Thomas L., assignor.)
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,100,655; Nov. 30.
Bowe, Charles F., assignor of twenty-two and one-half per cent to E. G. Baird, Canton, and twenty-two and one-half per cent to C. W. Traynor, Massillon, Ohio. Ash remover. 2,100,937; Nov. 30.
Bowers, Helen S. (See Fritts, Howard S., assignor.)
Boyer, F. Walter. (See Taylor, Don A., assignor.)
Boyle Manufacturing Company. (See Anderson, Frank E., assignor.)
Bradfield, George K., Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y. Venetian blind. 2,100,625; Nov. 30.
Bradshaw, William M., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Polyphase meter casing. 2,100,731; Nov. 30.
Brandt, Leo L., Savannah, Mo. Mirror for vehicles. 2,100,938; Nov. 30.
Bratring, Kurt, Berlin-Charlottenburg, Germany. Mold for making hollow articles from plastic materials. 2,100,832; Nov. 30.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of oils. 2,100,429; Nov. 30.
Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Taper-thread-cutting tool. 2,100,376; Nov. 30.
Brennan, James G., Baltimore, Md. Duplicator. 2,101,600; Nov. 30.
Brenner, Charles M., Shreveport, La. Hand tool for making joints on tubular members. 2,100,939; Nov. 30.
Brewer-Titchener Corporation, The. (See Wenn, Floyd D., assignor.)
Bricher, Harold D. (See Schmidt, C. A., and Bricher.)
Briggs Manufacturing Company. (See Marshall, William, assignor.)
Briggs Manufacturing Company. (See Wexelberg, Clarence E., assignor.)
Brink, Winfield S., assignor to The Firestone Steel Products Company, Akron, Ohio. Spacer. 2,100,626; Nov. 30.
Bristol Company, The. (See Borden, Perry A., assignor.)
Brooks, Charles W., et al. (See Berhman, J. W., and Robiolio, assignors.)
Brown Company. (See Schur, Milton O., assignor.)
Brown, Harold J., and G. E. Farrell, Dorchester, Mass. Dental or surgical instrument. 2,100,319; Nov. 30.
Browning, George M., Rutherford, N. J. Spark plug. 2,100,320; Nov. 30.
Brubaker, Merlin M., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Article of manufacture and making same. 2,100,377; Nov. 30.
Brubaker, Merlin M., and B. W. Howk, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of alkyl substituted phenols. 2,100,468; Nov. 30.
Brückel, Waldemar, Berlin-Wilmersdorf, and K. Haas, Berlin-Britz, Germany, assignors to General Electric Company. Damping device for indicating instruments. 2,100,833; Nov. 30.
Bruckmayer, Friedrich. (See Honigman, E., and Bruckmayer.)
Bruson, Herman A., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Preparing esters and products. 2,100,993; Nov. 30.
Buchanan, George T., Detroit, Mich. Reed hook. 2,100,536; Nov. 30.
Buckeye Portable Tool Company, The. (See Ripsch, C. W., and Wuebben, assignors.)
Bucy, Floyd L., and V. A. La Rock, Eau Claire, Wis. Tire vulcanling core. 2,100,627; Nov. 30.
Budlong, Lester G. (See Watson, L. M., Ternes, and Budlong.)
Buffalo Foundry & Machinery Co. (See Lavett, Charles O., assignor.)
Burberrys Limited. (See Watson, William H., assignor.)
Burger, William J., Shaker Heights, and C. M. Mirossay, Cleveland, assignors to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,100,899; Nov. 30.
Burwell, Cornelia, Ann Arbor, Mich. Germicide and fungicide composition. 2,100,469; Nov. 30.
Butler, Ernest L., Lynn, and J. Harrington, Jr., Wenham, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. anufacture of soles. 2,100,430; Nov. 30.
Byron Jackson Co. (See Hertel, Richard K., assignor.)
Cage, Darcy L., Los Angeles, Calif. Draft control means for fireplaces. 2,100,732; Nov. 30.
Campbell, Harry G., assignor to United Pipe & Supply Corporation, Charleston, W. Va. Well cementing device. 2,100,586; Nov. 30.
Campbell, Robert D., Chicago, and W. Huebert, Glen Ellyn, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Weld testing device. 2,100,502; Nov. 30.
Candee, Allan H. (See Wildhaber, E., and Candee.)
Caputo, James V., Crafton, Pa. Manufacture of pipe blanks. 2,100,503; Nov. 30.
Carbon Interleaved Forms Corporation. (See Fulk, George L., assignor.)
Carr, James L., and C. K. Black, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyes. 2,100,378; Nov. 30.
Carroll, Monroe W., Beaumont, Tex. Well bridging, cementing, whipstock, and milling apparatus. 2,100,684; Nov. 30.
Carton Container Company. (See Ringler, William A., assignor.)
Carver Cotton Gin Company. (See McLean, Robert W., assignor.)
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Cash, A. W., Company. (See Terry, Charles M., assignor.)
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Automatic frequency control. 2,100,733; Nov. 30.
Catland, Alfred C., Alhambra, assignor to Globe Oil Tools Company, Los Nietos, Calif. Core drill. 2,100,311; Nov. 30.
Cavanaugh, George S., Los Angeles, Calif. Lubricating composition. 2,100,685; Nov. 30.
Celanese Corporation of America. (See Congdon, T. B., and Long, assignors.)

Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Centrifix Corporation. (See Hawley, Charles G., assignor.)
Cervenka, William F., and F. Miller, Traverse City, Mich. Horticultural implement. 2,100,379; Nov. 30.
Chain Store Products Corporation. (See Hermsdorf, Walter H., assignor.)
Chalker, Kenneth M., Woodbridge, N. J. Apparatus for coating the interior of tubing and the like. 2,100,587; Nov. 30.
Chandler, Willard P., Jr., assignor to Blaw-Knox Company, Pittsburgh, Pa. Furnace cooler. 2,100,628; Nov. 30.
Chapman, Robert L., Erie, Pa., assignor to General Electric Company. Air conditioning system. 2,100,834; Nov. 30.
Chemische Fabrik Buckau. (See Wiedbrauck, Erich, assignor.)
Chenicek, George W., assignor to Standard Oil Company, Chicago, Ill. Truck tank loading apparatus. 2,100,380; Nov. 30.
Cherry-Burrell Corporation. (See Lippold, Adolph J., assignor.)
Chicago-Hutchins Corporation. (See Hawksworth, David W., assignor.)
Chilton, Roland, Ridgewood, N. J. Transmission. 2,100,629; Nov. 30.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,100,630; Nov. 30.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,100,631; Nov. 30.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,100,632; Nov. 30.
Chisholm, Harry L., Jr., assignor to Houde Engineering Corporation, Buffalo, N. Y. Stabilizer structure for automobiles. 2,100,381; Nov. 30.
Church, Lewis H., Westfield, assignor to The Thomas & Betts Co., Elizabeth, N. J. Pipe coupler. 2,100,796; Nov. 30.
Ciamberlini, Ugo, Rome, Italy. Flexible tube. 2,100,835; Nov. 30.
Claborn, Houston V. (See Smith, L. E., and Claborn.)
Clark-Aiken Company, The. (See Aiken, Walter S., assignor.)
Clarke, Thomas B., and H. Boothroyd, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Splitting machine. 2,100,431; Nov. 30.
Claus, Walter, assignor to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany. Manufacture of wool-like artificial fibers. 2,100,588; Nov. 30.
Clein, Elias, Brooklyn, N. Y. Marcel iron. 2,100,633; Nov. 30.
Clothier, Stewart L., Hasbrouck Heights, and H. C. Hogencamp, Fairlawn, assignors to Kolorama Laboratories, Inc., Newark, N. J. Light modulating cell. 2,100,836; Nov. 30.
Coffey, Douglas F. W., New York, N. Y., assignor to Winnek Stereoscopic Processes, Incorporated, Wilmington, Del. Apparatus for projecting pictures in relief. 2,100,634; Nov. 30.
Coffey, Irven E., Playa del Rey, Calif. Spark meter. 2,100,837; Nov. 30.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Fan guard. 2,100,994; Nov. 30.
Cole, Horton D., Scotia, N. Y. Milk bottle holder. 2,100,589; Nov. 30.
Coleman, John F., Smithboro, N. Y. Loupe. 2,100,940; Nov. 30.
Coleman, William, Johnson City, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y. Method of and machine for knitting fabric. 2,100,941; Nov. 30.
Collaro, Christopher, London, and D. G. Lewin, Hawdenbury, Tunbridge Wells, England. Talking machine. 2,100,686; Nov. 30.
Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)
Columbia Phonograph Company. (See Gould, Leslie A., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)
Combustion Engineering Company. (See Crites, Joe, assignor.)
Communication Patents, Inc. (See Nicolson, Alexander McL., assignor.)
Congdon, Thomas B., and C. J. Long, New London, Conn., assignors to Celanese Corporation of America. Weaving device. 2,100,382; Nov. 30.
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Converse Rubber Company. (See Sindler, Jay J., assignor.)
Conway, Martin J., Coatesville, Pa. Ferrous metal. 2,100,537; Nov. 30.
Cope, Kenneth B. (See Smally, Emanuel C., assignor.)
Copenhefer, John B., Louisville, Ky. Hair waving apparatus. 2,100,538; Nov. 30.
Cordiano Can Co. (See Hirshman, bram S., assignor.)
Cornelius, Frank H., Swissvale, Pa. Heating apparatus. 2,100,687; Nov. 30.
Cornell Center Homeopathic Bird Remedy Co. (See Mayer, Frederick, assignor.)
Cotton, Charles H., Kewanee, Ill., assignor to Walworth Patents, Inc., Boston, Mass. Valve. 2,100,470; Nov. 30.
Covalt, Scott, Van Nuys, Calif. Cream dipper. 2,100,471; Nov. 30.
Cox, James H., Los Angeles, Calif. Tire inflation device. 2,100,321; Nov. 30.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,100,432; Nov. 30.
Creedon, Michael V. (See Beardsley, B., and Creedon.)
Crites, Joe, Evanston, Ill., assignor, by mesne assignments, to Combustion Engineering Company, Inc. Mill and classifier. 2,100,734; Nov. 30.
Crone, Francis G., Buffalo, N. Y. Thermostatic regulator for gas heating. 2,100,709; Nov. 30.
Crosley, Lewis M., and J. W. Dunn, assignors to The Crosley Radio Corporation, Cincinnati, Ohio. Restricted flow refrigerant feeding device. 2,100,504; Nov. 30.
Crosley Radio Corporation, The. (See Crosley, L. M., and Dunn.)
Crowe, Thomas B. (See Mills, L. D., Crowe, and Haun.)
Cummings, Carl E. (See Roess, L. C., and Cummings.)
Cutler, Frank W., Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Washing fruits, vegetables, and other products. 2,100,942; Nov. 30.
Dailey, Raymond, U. S. Army. Folding trunk locker and shoe rack. 2,100,322; Nov. 30.
Dale, Julian K., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Production of dextrose. 2,100,433; Nov. 30.
D'Alessandro, Frank, Carlisle, Pa. Pump construction. 2,100,943; Nov. 30.
Dallenbach, Walter, Berlin-Charlottenburg, Germany. Electric discharge apparatus. 2,100,797; Nov. 30.
Davies, Richard L., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Making alkali sub-silicates. 2,100,944; Nov. 30.
Davis, Augustine, Jr., Cincinnati, Ohio. Truck tank and cab. 2,100,383; Nov. 30.
Davis, G. Howlett, Jr., Detroit, Mich. Sound-controlled actuating mechanism. 2,100,434; Nov. 30.
Dawson, Albert J., Sewickley, Pa., assignor to The Dravo Contracting Company. Barge. 2,100,472; Nov. 30.
Dawson, John W., East McKeesport, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,100,735; Nov. 30.
Day, William E., Jr. (See Wirrer, G., and Day.)
De Graff, Wilbur C., Cleveland Heights, assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,100,545; Nov. 30.
De Laval Steam Turbine Company. (See Kennedy, Frank W., assignor.)
De Mey, René, Brussels, Belgium. Suspension arrangement for screw fan rotors. 2,100,946; Nov. 30.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Oxygen cutting apparatus. 2,100,384; Nov. 30.
Dendel, Lloyd P., Lansing, Mich. Grain elevator alarm switch. 2,100,710; Nov. 30.
De Puy, Charles T., and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Guard for children's toilet seats. 2,100,774; Nov. 30.
Despard, Victor R., assignor to Pass & Seymour, Inc., Syracuse, N. Y. Electric switch. 2,100,435; Nov. 30.
Det Norske Aktieselskab for Elektrokemisk Industri. (See Trematore, Raffaele, assignor.)
Detroit Harvester Company. (See Wagner, Robert W., assignor.)
Detroit Lubricator Company. (See Russel, Philip S., assignor.)
Detroit Stoker Company. (See Beers, Royce L., assignor.)
Dettwyler, William. (See Wuertz, A. J., and Dettwyler.)
De Vout, Anson W., La Grange Park, assignor to Industrial Patents Corporation, Chicago, Ill. Drying tunnel. 2,100,838; Nov. 30.
De Vries, Abraham, Amsterdam, Netherlands. Snap fastener. 2,100,635; Nov. 30.
Diamond Expansion Bolt Company. (See Saleh, Gabriel E. R., assignor.)
Diithey, Walther and F. Quint, Bonn-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products of carbenium compounds and preparing the same. 2,100,798; Nov. 30.
Disbrow, Clarkson A., New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company. Step joint. 2,100,947; Nov. 30.
Dixon, Reginald G. (See Patterson, W. G., and Dixon.)
Doll Air-Stringer of America, Inc. (See Doll, Laurance C., assignor.)
Doll, Laurance C., assignor to Doll Air-Stringer of America, Inc., Ithaca, N. Y. Apparatus for stringing rackets. 2,100,948; Nov. 30.
Domershausen, Josef, Kansas City, Mo. Container. 2,100,636; Nov. 30.
Donath, Ernst. (See Pier, M., and Donath.)

Donovan, John F., East Cleveland, and F. J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company. Tabulating machine. 2,100,656; Nov. 30.
Doolittle, John B., Kansas City, Mo. Combination implement. 2,100,637; Nov. 30.
Doolittle, John B., Kansas City, Mo. Implement for cutting cable sheaths. 2,100,638; Nov. 30.
Doolittle, John B., and C. E. Morrison, Kansas City, Mo. Portable oven for drying cable conductors. 2,100,639; Nov. 30.
Dougall, Victor. (See Hayward, A. S., and Dougall.)
Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 2,100,688; Nov. 30.
Drake, Ronald I., Appleton, Wis., assignor to Beatrice Creamery, Chicago, Ill. Container. 2,100,711; Nov. 30.
Drake, Tom G. (See Moore, John N., assignor.)
Draper Corporation. (See Douglas, Fredric E., assignor.)
Dravo Contracting Company, The. (See Dawson, Albert J., assignor.)
Dreyfus, Henry, London, England. Treatment of textile and other materials. 2,100,385; Nov. 30.
Drissen, Wallace W. (See Goldberg, M. W., and Drissen.)
Drysdale, William D., Mount Clemens, Mich., assignor to W. J. Sugden, Boston, Mass. Motor compressor. 2,100,799; Nov. 30.
Dubonnet, André, Neuilly-sur-Seine, France. Elastic suspension system. 2,100,689; Nov. 30.
Dunn, John W. (See Crosley, L. M., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Brubaker, Merlin M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Brubaker, M. M., and Howk, assignors.)
Du Pont, E. I., de Nemours & Company. (See Carr, J. L., and Black, assignors.)
Du Pont, E. I., de Nemours & Company. (See Kline, Emil, assignor.)
Du Pont, E. I., de Nemours & Company. (See Whelen, Myron S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Williams, Ira, assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, A. J., and Dettwyler, assignors.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, Alexander J., assignor.)
Dürkoppwerke Aktiengesellschaft. (See Pudelko, Hermann, assignor.)
Eames, William F., Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Elevator signaling system. 2,100,736; Nov. 30.
Eclipse Aviation Corporation. (See Berges, Donald M., assignor.)
Edwards, William C., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,100,657; Nov. 30.
Efromson, Philip C., Los Angeles County, assignor to Globe Oil Tools Company, Los Nietos, Calif. Cutter mounting. 2,100,640; Nov. 30.
Egry Register Company, The. (See Stern, M. C., and Pfeiffer, assignors.)
Eidson, Charles G. (See Heffernan, Wilford P., assignor.)
Eisler, Heinrich, et al. (See Honigmann, E., and Bruckmayer.)
Electric and Musical Industries Limited. (See Mitchell, Frank A., assignor.)
Electrical Research Products, Inc., et al. (See Mason, W. P. (Stanton and Tweeddale, assignors).)
Electrol Incorporated. (See Andler, Robert F., assignor.)
Ellis, George, Sudbury, assignor to The General Electric Company Limited, London, England. Electric ship propulsion system. 2,100,839; Nov. 30.
Elmore, Charles E., Chicago, Ill. Motor vehicle licensing system and tag therefor. 2,100,840; Nov. 30.
Emery, George H., Norwalk, Conn. Paper doll's dress. 2,100,386; Nov. 30.
Emmey, Charles, New York, N. Y. Method of, apparatus for coating textile material and a product thereof. 2,100,712; Nov. 30.
Engel, William H., assignor to Shellmar Products Company, Mount Vernon, Ohio. Printing. 2,100,436; Nov. 30.
Engs, William, Oakland, and G. H. van de Griendt, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of anhydrous hydrocarbon derivatives. 2,100,437; Nov. 30.
Ensslin, Adolf, North Attleboro, Mass. Hinge. 2,100,473; Nov. 30.
Fabbrica Italiana Magneti Marelli Soc. An. (See Quintavalle, Umberto, assignor.)
Fafnir Company, The. (See Lesiter, F., and Smith, assignors.)
Fanarjian, John, Union City, N. J. Convertible table and cabinet. 2,100,641; Nov. 30.
Farnsworth, Henry S. (See Souther, C. W., and Farnsworth.)
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Image analysis tube. 2,100,841; Nov. 30.
Farnsworth, Philo T., assignor to Farnsworth Television Incorporated, San Francisco, Calif. Charge storage tube. 2,100,842; Nov. 30.
Farnsworth Television Incorporated. (See Farnsworth, Philo T., assignor.)
Farrell, George E. (See Brown, H. J., and Farrell.)
Fawick, Thomas L., Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,100,312; Nov. 30.
Federal Industrial Corporation et al. (See Berhman, J. H., and Robiolio, assignors.)
Federal-Mogul Corporation. (See Harder, Oscar E., assignor.)
Ferguson, William C., St. Louis, Mo. Product for covering highway joints. 2,100,387; Nov. 30.
Ferris, Robert G., assignor to Starline, Inc., Harvard, Ill. Grapple-fork. 2,100,800; Nov. 30.
Fikentscher, Hans, Ludwigshafen-on-the-Rhine, and J. Hengstenberg, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of interpolymerization products. 2,100,900; Nov. 30.
Finch, Stanley W., Washington, D. C. Building-block. 2,100,658; Nov. 30.
Fincke, Donald M., Great Neck, N. Y., assignor to American Machine & Foundry Company. Mounting for slicer blades. 2,101,002; Nov. 30.
Firestone Steel Products Company, The. (See Brink, Winfield S., assignor.)
Fischer, Samuel, New York, N. Y., assignor to The American Agricultural Chemical Company, Newark, N. J. Furnace for treating phosphate material. 2,100,843; Nov. 30.
Fish, John U., Oak Park, Ill., assignor, by mesne assignments, to J. U. Fish Trust. Combined air conditioning and house heating system. 2,100,474; Nov. 30.
Fish, J. U., Trust. (See Fish, John U., assignor.)
Fisher, Ralph K., New York, N. Y., assignor of one-half to Oregon Worsted Company, Portland, Oreg. Holder and method for knitting, crocheting, and analogous purposes. 2,100,388; Nov. 30.
Fitch, Benjamin F., Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y. Automotive truck body. 2,100,323; Nov. 30.
Fitchburg Grinding Machine Corporation. (See Gould, G. S., and La Fleur, assignors.)
Fitz Gerald, Alan S., Wynnewood, Pa. Traffic control system. 2,100,313; Nov. 30.
Fleming, J. Stuart. (See Morrison, John R., assignor.)
Flint, Hyland C., Grosse Pointe, Mich., assignor to Patent Sales, Inc. Spring seat construction. 2,100,475; Nov. 30.
Flint, Hyland C., Detroit, Mich., assignor to Patent Sales, Inc. Spring seat construction. 2,100,476; Nov. 30.
Fohrer, Friedrich, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Welded box frame for vertical internal combustion engines. 2,100,775; Nov. 30.
Food Machinery Corporation. (See Cutler, Frank W., assignor.)
Ford Motor Company. (See Kramer, Clarence F., assignor.)
Ford Motor Company. (See Sorensen, Charles E., assignor.)
Forrester, Edward E., deceased, Denver, Colo., by I. Forrester, executrix. Making stop cocks. 2,100,438; Nov. 30.
Forrester, Irene, executrix. (See Forrester, Edward E.)
Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
Foster, Waldo E., Minneapolis, Minn. Conditioning of flour. 2,100,691; Nov. 30.
Foster, Walter W., Wichita Falls, Tex. Knee rest for vehicle seats. 2,100,737; Nov. 30.
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Mattress tufting machine. 2,100,844; Nov. 30.
Fox, William J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Elastic strand. 2,101,003; Nov. 30.
Fox, William J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Elastic strand. 2,101,004; Nov. 30.
Franz, Ehrhart, Leipzig, and M. Hardtmann, Naunhof, near Leipzig, Germany. Product for increasing the slip of textile materials. 2,100,845; Nov. 30.
Fray-Mershon, Inc. (See Mershon, Lester E., assignor.)
Frevert, Albert A., Alma, Mich. Seed cleaning machine. 2,100,738; Nov. 30.
Friedman, Arthur, Shaker Heights, assignor to Air Controls, Inc., Cleveland, Ohio. Blower or fan. 2,100,439; Nov. 30.
Fritts, Howard S., assignor of one-half to H. S. Bowers, Washington, N. J. Antiskid device. 2,100,539; Nov. 30.
Fritz, Adam, and R. J. McCarthy, Philadelphia, Pa. Washrag holder. 2,100,477; Nov. 30.
Fulk, George L., Berkeley, Calif., assignor to Carbon Interleaved Forms Corporation, Norwalk, Ohio. Machine and making manifold forms. 2,100,776; Nov. 30.
Gagne, Augustin. (See Lawson, R. H., and Gagne.)
Galveston Buckle Company. (See Voigt, A. P. J., and Still, assignors.)
Galvin Manufacturing Corporation. (See Mitchell, Donald H., assignor.)
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill rotation means. 2,100,324; Nov. 30.

Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,100,325; Nov. 30.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,100,540; Nov. 30.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,100,541; Nov. 30.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill hole cleansing means. 2,100,949; Nov. 30.
Gavin, Gordon P., Kohler, Wis. Flow control for urinals and the like. 2,100,389; Nov. 30.
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Brückel, W., and Haas, assignors.)
General Electric Company. (See Chapman, Robert L., assignor.)
General Electric Company. (See Donovan, J. F., and Malloy, assignors.)
General Electric Company Limited, The. (See Ellis, George, assignor.)
General Electric Company. (See Kaufmann, Richard H., assignor.)
General Electric Company. (See Linde, Leonard J., assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See Mansur, Clarence W., assignor.)
General Electric Company. (See Olson, Olaf M., assignor.)
General Electric Company. (See Schneider, Elbert D., assignor.)
General Electric Company. (See Smith, Richard E., assignor.)
General Electric Company. (See Stansel, Numan R., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Umansky, Leonid A., assignor.)
General Electric Company. (See van Liempt, Johannes A. M., assignor.)
General Motors Corporation. (See Almen, J. O., and Kirschner, assignors.)
General Motors Corporation. (See Edwards, William C., assignor.)
General Motors Corporation. (See Geyer, Harvey D., assignor.)
General Motors Corporation. (See Rasmussen, Olaf, assignor.)
General Motors Corporation. (See Rippingille, Edward V., assignor.)
General Motors Corporation. (See Wellman, Charles E., assignor.)
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Pasteurization of milk. 2,100,326; Nov. 30.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Pasteurizing system. 2,100,327; Nov. 30.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical pasteurizing process. 2,100,328; Nov. 30.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Pasteurizing system, etc. 2,100,329; Nov. 30.
Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Pasteurizing apparatus. 2,100,330; Nov. 30.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Gear shift lever and resilient mount therefor. 2,100,642; Nov. 30.
Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Radio antenna for automobiles. 2,100,643; Nov. 30.
Giblett, Catherine T., Detroit, Mich. Deflector means for toilet mechanisms. 2,100,950; Nov. 30.
Gilfillan, Paul M., Chicago, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio. Container machine. 2,100,739; Nov. 30.
Gimeno, Harold, Norman, Okla. Tile roofing. 2,100,505; Nov. 30.
Glass, Willie F., and M. G. Sibley, Gulfport, Miss. Filter. 2,100,951; Nov. 30.
Gleason Works. (See Wildhaber, E., and Candee, assignors.)
Globe Machinery & Supply Company. (See Thompson, Elmer B., assignor.)
Globe Oil Tools Company. (See Abegg, Walter A., assignor.)
Globe Oil Tools Company. (See Catland, Alfred C., assignor.)
Globe Oil Tools Company. (See Efromson, Philip C., assignor.)
Goff, Harold W., Great Neck, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter. 2,100,390; Nov. 30.
Goldberg, Max W., and W. W. Drissen, assignors to Modern Equipment Company, Port Washington, Wis. Covered ladle. 2,100,713; Nov. 30.
Goodley, Harry, Nottingham, England. Jacquard mechanism and textile machine employing such mechanism. 2,100,952; Nov. 30.
Görisch, Rolf, Berlin-Lichtenberg, assignors to Klangfilm G. m. b. H., Berlin, Germany. Making variable area sound film with low background noise. 2,100,740; Nov. 30.
Gorton, George, and P. M. Henkes, assignors to George Gorton Machine Co., Racine, Wis. Engraving and related machines. 2,100,953; Nov. 30.
Gorton, George Machine Co. (See Gorton, G., and Henkes, assignors.)
Gössler, Dietrich, Heidenheim (Brenz), Germany. Lateral fluid container for hydraulic transmissions. 2,100,440; Nov. 30.
Gould, Gardner S., Lunenberg, and E. D. La Fleur, Lancaster, assignors to Fitchburg Grinding Machine Corportion, Fitchburg, Mass. Grinding wheel truing device. 2,100,954; Nov. 30.
Gould, Leslie A., assignor to Columbia Phonograph Company, Inc., Bridgeport, Conn. Radio apparatus. 2,100,659; Nov. 30.
Grady, Sylvester C., Chester, N. J. Toy airplane. 2,100,590; Nov. 30.
Graham, Julius B., Shubuta, Miss. Rack. 2,100,331; Nov. 30.
Grange, Edward A., and E. J. Schmidt, assignors to Allied Engineering Company, Chicago, Ill. Wheel with rubber-like tread. 2,100,542; Nov. 30.
Grange, Leo O., assignor to Safety Vulcanizer Company, Chicago, Ill. Full-circle tire retreading vulcanizer. 2,100,478; Nov. 30.
Grassl, Georg. (See Pier, M., Simon, and Grassl.)
Green, Burton M., Brooklyn, N. Y. Air-flow ventilator. 2,100,801; Nov. 30.
Green, Harry A., Portland, Oreg. Cable clamp. 2,100,777; Nov. 30.
Greene, Chester W., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Drier. 2,100,441; Nov. 30.
Greiner, Max, Berlin-Charlottenburg, Germany. Electromagnetic tool of the percussion type. 2,100,660; Nov. 30.
Grimm, Hans G., Heidelberg, and P. Huppert, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Vitreous compositions or glasses. 2,100,391; Nov. 30.
Groene, William F., assignor to The R. K. LeBland Machine Tool Company, Cincinanti, Ohio. Chuck for camshafts and the like. 2,100,955; Nov. 30.
Groves, Frederick H., Dormont, Pa. Hinged carton. 2,100,644; Nov. 30.
Grunwald, Albert C. (See Birr, R. G., and Grunwald.)
Haas, Karl. (See Brückel, W., and Haas.)
Haberstump, Alfred, Detroit, Mich. Combined locking and supporting means for doors. 2,100,591; Nov. 30.
Haddock, Norman H., Prestwich, and C. H. Lumsden, Gatley, England, assignors to Imperial Chemical Industries Limited. Alkylarylanthraquinone dyestuffs. 2,100,392; Nov. 30.
Halstead, Merle E., Owego, N. Y. Cutter for sheet material. 2,100,846; Nov. 30.
Halstead, Merle E., Owego, N. Y. Die structure. 2,100,847; Nov. 30.
Hamilton, Lawrence H., assignor to National Standard Company, Niles, Mich. Bedspring. 2,100,393; Nov. 30.
Hamilton, Lawrence H., assignor to National Standard Company, Niles, Mich. Spring structure. 2,100,543; Nov. 30.
Hamilton, Lawrence H., assignor to National Standard Company, Niles, Mich. Spring structure. 2,100,544; Nov. 30.
Henkes, Peter M. (See Gorton, G., and Henkes.)
Hanlon, Claude F., Wewahitchka, Fla. Printer's miter gauge. 2,100,506; Nov. 30.
Hansen, Sven S., and T. M. E. Wendt, Rasunda, Sweden. Film stretching device. 2,100,802; Nov. 30.
Harder, Oscar E., Columbus, Ohio, assignor, by mesne assignments, to Federal-Mogul Corporation, Detroit, Mich. Liner for bearings. 2,100,314; Nov. 30.
Hardgrove, Ralph M., Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Feeder control mechanism. 2,100,848; Nov. 30.
Hardtmann, Max. (See Franz, E., and Hardtmann.)
Harman, Marion W., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Vulcanizing rubber and product produced thereby. 2,100,692; Nov. 30.
Harper, Elmer E., Kansas City, Mo. Weighing feeder. 2,100,315; Nov. 30.
Harper, Elmer E., Kansas City, Mo. Weight controlled feeding means. 2,100,316; Nov. 30.
Harrington, Joseph, Jr. (See Butler, E. L., and Harrington.)
Harris, Henry H., Champaign, Ill. Making a carburizing box with centrifugally cast side walls. 2,100,901; Nov. 30.
Harris, Henry H., Champaign, Ill. Carburizing box with centrifugally cast side walls. 2,100,902; Nov. 30.
Harris, Morton, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company. 4-aminodiphenyl compounds. 2,100,803; Nov. 30.

Harrison, Clifford E., assignor to American Engineering Company, Philadelphia, Pa. Material feeding mechanism. 2,100,741; Nov. 30.
Hartman, Thomas L., assignor of one-third to E. J. W. Keagy; one-third to H. M. Young, and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa. Process and apparatus for beverage dispensing. 2,100,742; Nov. 30.
Harvey, Herbert, assignor to L. M. Harvey, Los Angeles, Calif. Tying machine. 2,100,801; Nov. 30.
Harvey, Leo M. (See Harvey, Herbert.)
Hasbrouck, John C., assignor of one-half to F. Weidman, Detroit, Mich. Propeller. 2,100,592; Nov. 30.
Hathaway, Edgar F., Wellesley, and W. Bixby, Dorchester, Mass. Wear testing, measuring, and recording apparatus and method. 2,100,332; Nov. 30.
Haun, Joye C. (See Mills, L. D., Crowe, and Haun.)
Hawksworth, David W., Birmingham, Mich., assignor to Chicago, Hutchins Corporation. Hatch frame construction for car roofs. 2,100,903; Nov. 30.
Hawley, Charles G., Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio. Liquid purifier. 2,100,661; Nov. 30.
Hayward, Arthur S., and V. Dougall, Altrincham, assignors to Linotype and Machinery Limited, London, England. Typographical slug casting machine. 2,100,507; Nov. 30.
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Lyons, Walter, assignor.)
Heffernan, Wilford P., Humble, assignor of one-fourth to C. G. Eidson, Houston, Tex. Pump jack. 2,100,509; Nov. 30.
Heid, Jacob B., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,100,849; Nov. 30.
Heidbrink, Jay A., Minneapolis, Minn. Gas administering machine. 2,100,778; Nov. 30.
Heinitz, Karl R., Dresden, Germany. Drive for calculating machines, bookkeeping machines, and the like. 2,100,804; Nov. 30.
Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Reception of frequency modulated waves and circuits therefor. 2,100,394; Nov. 30.
Hemmert, Frank B., St. Marys, Ohio. Farming implement. 2,100,956; Nov. 30.
Hemphill Company. (See Lawson, R. H., and Gagne, assignors.)
Hemphill Company. (See Lawson, Robert H., assignor.)
Henderson, Albert, assignor to W. P. Witherow, Pittsburgh, Pa. Apparatus and method of making expanded cement articles. 2,100,479; Nov. 30.
Henderson, Charles R. (See Lockhead, Elmer C., assignor.)
Hendley, James A., assignor to The Russell Manufacturing Company, Middletown, Conn. Corded tape for slide fasteners and the like. 2,100,645; Nov. 30.
Hengstenberg, Josef. (See Fikentscher, H., and Hengstenberg.)
Henry, Lewie H. (See Bond, Albert J., assignor.)
Herbert, Frank B., Westwood, N. J. Dropping board and roost for poultry. 2,100,508; Nov. 30.
Hercules Powder Company. (See Spurlin, Harold M., assignor.)
Hermsdorf, Walter H., assignor to Chain Store Products Corporation, Chicago, Ill. Hair curler. 2,100,850; Nov. 30.
Hermsdorf, Walter H., assignor to Chain Store Products Corporation, Chicago, Ill. Hair curler. 2,100,851; Nov. 30.
Herrmann, Carl, assignor to the firm of Carl Zeiss, Jena, Germany. Reflecting system for objectives of reproduction cameras. 2,100,442; Nov. 30.
Hertel, Richard K., Vernon, assignor to Bryon Jackson Co., Huntington Park, Calif. Latch for safety hooks. 2,100,779; Nov. 30.
Hess, Jack W., Dallas, Tex., assignor to The Richardson Company. Storage battery. 2,100,333; Nov. 30.
Hessel, Georg, and H. Maier, Frankfort-on-the-Main, Germany. Preparing a substance increasing the blood pressure. 2,100,593; Nov. 30.
Heymann, Roy D., Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y. Molding of pulp. 2,100,395; Nov. 30.
Heymann, Roy D., Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y. Hydro-pneumatic pulp molding. 2,100,396; Nov. 30.
Heymer, Gerd, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,100,594; Nov. 30.
Hickman, Clarence N., Jackson Heights, N. Y. Bow. 2,100,317; Nov. 30.
Hiemke, Hugo W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding electrode. 2,100,545; Nov. 30.
Hiers, Glen S., Bala-Cynwyd, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Rubber composition and making the same. 2,100,714; Nov. 30.
Hilliler, Gerald O., Berkeley, assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif. Tube thickener. 2,100,646; Nov. 30.
Hirshman, Abram S., assignor to Cordiano Can Co., Inc., Brooklyn, N. Y. Making containers. 2,100,480; Nov. 30.
Hoefert, Reinhold, Berlin-Gatow, and K. Wollack, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemenstadt, near Berlin, Germany. Telephone system. 2,100,510; Nov. 30.
Hoffman, George P., Jacksonville, Fla. Metal building structure. 2,100,957; Nov. 30.
Hogencamp, Harold C. (See Clothier, S. L., and Hogencamp.)
Hollander, Erik E., Kearny, N. J. Pocket cigarette roller. 2,100,397; Nov. 30.
Holm, Melvin M. (See Lyman, A. L., and Holm.)
Holzwarth Gas Turbine Co. (See Schaper, Georg, assignor.)
Honigmann, Erich, and F. Bruckmayer, Vienna, Austria, assignors to N. H. Moos, London, England, and Heinrich Eisler, Vienna, Austria. Dry masonry. 2,100,958; Nov. 30.
Hookless Fastener Company. (See Wintritz, George, assignor.)
Hopwood, John M. (See Specht, James E., assignor.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Indicator. 2,100,334; Nov. 30.
Houde Engineering Corporation. (See Chisholm, Harry L., Jr., assignor.)
Houde Engineering Corporation. (See Peo, R. F., Lautz, and Magrun, assignors.)
Howden, William H., Glasgow, Scotland, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fan. 2,100,481; Nov. 30.
Howk, Benjamin W. (See Brubaker, M. M., and Howk.)
Huebert, William. (See Campbell, R. D., and Huebert.)
Huffman, Mervin C., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,100,904; Nov. 30.
Hufford, Raymond, assignor to Monarch Governor Company, Detroit, Mich. Engine governor. 2,100,805; Nov. 30.
Huhn, Paul J., St. Paul, Minn. Abrading device. 2,100,780; Nov. 30.
Huppert, Paul. (See Grimm, H. G., and Huppert.)
Hurst, Robert O. (See Paulson, K., and Hurst.)
Hurxthal, Alpheus O., assignor to Protor & Schwartz, Incorporated, Philadelphia, Pa. Cork insert girt. 2,100,959; Nov. 30.
I. G. Farbenindustrie Aktiengesellschaft. (See Dilthey, W., and Quint.)
I. G. Farbenindustrie Aktiengesellschaft. (See Fikentscher, H., and Hengstenberg.)
I. G. Farbenindustrie Aktiengesellschaft. (See Grimm, H. G., and Huppert, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., and Donath, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pier, M., Simon, and Jacob, assignors.)
Illinois Watch Case Company. (See Anderson, Edward C., assignor.)
Imperial Chemical Industries Limited. (See Haddock, N. H., and Lumsden, assignors.)
Imperial Chemical Industries Limited. (See Linstead, R. P., and Lowe, assignors.)
Industrial Patents Corporation. (See De Vout, Anson W., assignor.)
International Patents Development Company. (See Kelling, Alfred H., assignor.)
Inter-Outer Telephone Corporation. (See Varley, Richard, assignor.)
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Outboard motor. 2,100,559; Nov. 30.
Irvin, Leslie L., Letchworth, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute pack fastening and releasing mechanism. 2,100,693; Nov. 30.
Irwine, Robert L., Union, assignor to Motor Improvements, Inc., Newark, N. J. Filter. 2,100,482; Nov. 30.
Irving Air Chute Company. (See Irvin, Leslie L., assignor.)
Jacob, Paul. (See Pier, M., Simon, and Jacob.)
Jacobson, Arthur G., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Printing press. 2,100,852; Nov. 30.
Jacoby, Herbert, Croton-on-Hudson, N. Y. Combination dentifrice dispenser and toothbrush holder. 2,100,960; Nov. 30.
James, Roy L., North Platte, Nebr. Shoe repair device. 2,100,335; Nov. 30.
Jansen, Cornelis G., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,100,595; Nov. 30.
Jenks, Harold C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Energizing system. 2,100,715; Nov. 30.
Jennings, O. D., & Company. (See Jennings, Ode D., assignor.)
Jennings, Ode D., assignor to O. D. Jennings & Company, Chicago, Ill. Display device. 2,100,853; Nov. 30.
Jesser, Albert E., Apollo, Pa. Stacking drum. 2,100,483; Nov. 30.

Johnson, Frederick B., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 2,100,743; Nov. 30.
Johnson, Warren V., and R. C. Kepner, Bloomsburg, Pa., assignors to American Car and Foundry Company, New York, N. Y. End construction for mine cars. 2,100,602; Nov. 30.
Jones, Raymon P., and W. A. White, Scarbro, W. Va. Rail bender. 2,100,961; Nov. 30.
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,100,336; Nov. 30.
Judd, Irving H., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Skid carrier for motor vehicle transports. 2,100,694; Nov. 30.
Juntunen, Gust, Hancock, Mich. Ventilating apparatus for toilets. 2,100,962; Nov. 30.
Kaech, O. A. (See Le Compte, Frank H., assignor.)
Karl, Edward W., and J. H. White, Painesville, Ohio. Pen. 2,100,647; Nov. 30.
Kaufmann, Richard H., Schenectady, N. Y., assignor to General Electric Company. Generator regulation. 2,100,854; Nov. 30.
Kaupp, Raymond T., Portland, Oreg. Antiseptic for the treatment of genitourinary infections. 2,100,781; Nov. 30.
Keagy, E. J. L. W., et al. (See Hartman, Thomas L., assignor.)
Keasbey & Mattison Company. (See Beckwith, Charles J., assignor.)
Kelling, Alfred H., Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del. Manufacture of starch. 2,100,744; Nov. 30.
Kellogg, Alfred A., Troy, assignor to James Ackroyd and Sons, Albany, N. Y. Skylight. 2,100,782; Nov. 30.
Kellogg, Glenn E. (See Weinhart, Theodore P., assignor.)
Kellogg, M. W., Co., The. (See Austin, Harold R., assignor.)
Kelly, Norval R., Douglaston, Long Island, N. Y. Oil applicator. 2,100,855; Nov. 30.
Kelsey-Hayes Wheel Company. (See Bierwirth, Edwin A., assignor.)
Kelty, Harry A., New Castle, Pa. Charge forming device. 2,100,511; Nov. 30.
Kendrick, James R., Co. (See Fox, William J., assignor.)
Kendrick, James R., Co. (See Kendrick, Arthur B., assignor.)
Kendrick, Arthur B., East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Surgical belt. 2,100,964; Nov. 30.
Kennedy, Frank W., assignor to De Laval Steam Turbine Company, Trenton, N. J. Deep well pump. 2,100,560; Nov. 30.
Kennon, L. H. (See Snell, Owens C., assignor.)
Kepner, Robert C. (See Johnson, W. V., and Kepner.)
Kern, Bernard, Syracuse, N. Y. Carpet and floor cleaner. 2,100,806; Nov. 30.
Kersenbrock, William J., Brentwood, Mo. Trotline rack. 2,100,763; Nov. 30.
Keyser, Merriel D., Edgewood Arsenal, Md. Artificial lure. 2,100,963; Nov. 30.
Killefer Manufacturing Corporation. (See Killefer, Robert, assignor.)
Killefer, Robert, Los Angeles, Calif., assignor, by mesne assignments, to Killefer Manufacturing Corporation. Revolving ripper. 2,100,856; Nov. 30.
King, George E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor operated feed control. 2,100,745; Nov. 30.
Kinley, Myron M., Tulsa, Okla. Apparatus for cleaning the screen in a well. 2,100,807; Nov. 30.
Kintzele, Julius H., St. Louis, Mo. Bottle emptying and beverage reclaiming device. 2,100,443; Nov. 30.
Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium oxide opacifier and making same. 2,100,337; Nov. 30.
Kirkland, Andrew J., West Palm Beach, Fla. Grinder and sharpener attachment for meat grinders. 2,100,808; Nov. 30.
Kirschner, Henry J. (See Ahnen, J. O., and Kirschner.)
Klangfilm G. m. b. H. (See Görisch, Rolf, assignor.)
Kleb, Earl A., and J. C. Metzger, St. Louis, Mo. Deodorizer. 2,100,764; Nov. 30.
Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Vehicle. 2,100,561; Nov. 30.
Kline, Emil, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Regenerated cellulose structure and preparing same. 2,100,398; Nov. 30.
Knapp, Leland G., Chicago, Ill. Crankcase assembly and making the same. 2,100,603; Nov. 30.
Knowles, Dewey D., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photosensitive apparatus. 2,100,765; Nov. 30.
Knox, Harry A., Washington, D. C. Suspension for vehicles. 2,100,338; Nov. 30.
Koch, Lawrence E. (See Phelan, L. A. M., and Koch.)
Koenig, Walter J., assignor to Sloane-Blabon Corporation, Trenton, N. J. Composition and drying of the same. 2,100,484; Nov. 30.
Koffman, Phillip. (See Wachowski, George A., assignor.)
Kollsman, Paul, New York, N. Y. Instrument mounting. 2,100,604; Nov. 30.
Kolorama Laboratories, Inc. (See Clothier, S. L., and Hogencamp, assignors.)
Koppers Company. (See Becker, Joseph, assignor.)
Koppers Company. (See Van Ackeren, Paul, assignor.)
Kotowski, Stephen K., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass sheet supporting means. 2,100,512; Nov. 30.
Kozlowski, Wladyslaw, Torrington, Conn. Exhaust valve for internal combustion engines. 2,100,783; Nov. 30.
Kramer, Clarence F., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Automobile seat track construction. 2,100,546; Nov. 30.
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Machine for assembling cap valves for containers. 2,100,596; Nov. 30.
Kuskie, Ralph, Grant, Nebr. Pitman. 2,100,965; Nov. 30.
Lackey, John W., North Creek, N. Y. Automatic safety lighting system. 2,100,695; Nov. 30.
La Fleur, Elphege D. (See Gould, G. S., and La Fleur.)
Laing, David A. S., Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Powdered material applying apparatus. 2,100,399; Nov. 30.
Lally, Charles V., et al. (See Bates, George A., assignor.)
Lambert, Joseph, Pittsburg, Kans. Insect trap. 2,100,966; Nov. 30.
Landis Machine Company. (See Nell, Frederic, assignor.)
Lang, Boris M., Fairfield, Conn. Device and method for acquiring rhythm in study of music. 2,100,857; Nov. 30.
Larocca, James, Chicago, assignor to Speedway Manufacturing Company, Cicero, Ill. Self-starting single phase alternating current induction motor. 2,100,809; Nov. 30.
La Rock, Vela A. (See Bucy, F. L., and La Rock.)
Lautz, Carl F. (See Peo, R. F., Lautz, and Magrum.)
Lavett, Charles O., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y. Rotary drier. 2,100,444; Nov. 30.
Lawson, Gottfrid C., and C. Lindquist, Cleveland, Ohio. Fastener. 2,100,648; Nov. 30.
Lawson, Robert H., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting machine. 2,101,005; Nov. 30.
Lawson, Robert H., Pawtucket, and A. Gagne, assignors to Hemphill Company, Central Falls, R. I. Yarn change mechanism for knitting machines. 2,101,006; Nov. 30.
Le Bleu, Charles, Los Angeles, Calif. Trail builder. 2,100,445; Nov. 30.
Le Blond, R. K., Machine Tool Company. (See Groene, William F., assignor.)
Le Compte, Frank H., assignor of one-half to O. A. Keach, Wichita, Kans. Gas burner. 2,100,995; Nov. 30.
Leece, Bennett M., Shaker Heights, assignor to The Leece-Neville Company, Cleveland, Ohio. Generator regulation. 2,100,905; Nov. 30.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Lefkowitz, Emil, Comstock, N. Y. Seat and seat cover actuating mechanism for toilets. 2,100,906; Nov. 30.
Lehmann, Arthur E. (See Martin, L. W., and Lehmann.)
Leister, Fayette, and J. W. Smith, assignors to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,101,013; Nov. 30.
Lenk, Ernest A., assignor of one-half to G. H. Morningstar, Philadelphia, Pa. Container. 2,100,858; Nov. 30.
Leonard, John R. (See McCormack, J. F., and Leonard.)
Levy, Howard S. (See Levy, Lionel F., assignor.)
Levy, Lionel F., Philadelphia, assignor of fifty one-hundredths to H. S. Levy, Feasterville, Pa. Camera. 2,100,967; Nov. 30.
Lewin, Desmond G. (See Collard, C., and Lewin.)
Libbey-Owens-Ford Glass Company. (See Kotowski, Stephen K., assignor.)
Libbey-Owens-Ford Glass Company. (See White, Gerald, assignor.)
Lillemoen, Thorwald. (See Stahle, John A., assignor.)
Lilienfeld, Leon, Vienna, Austria. Manufacture of organic sulphur compounds. 2,100,968; Nov. 30.
Lilienfeld, Leon, Vienna, Austria. Making artificial threads. 2,100,969; Nov. 30.
Linde, Leonard J., Aldan, Pa., assignor to General Electric Company. Clamping and sealing device. 2,100,859; Nov. 30.
Lindemann, Peter A., Downsville, N. Y. Drain valve for compressed air reservoirs and the like. 2,100,485; Nov. 30.
Lindenmuth, Arlington N. (See Blakley, V. A., and Lindenmuth.)
Lindgren, Henry W., Waukegan, Ill., assignor to American Can Company, New York, N. Y. Opening device. 2,100,339; Nov. 30.
Lindquist, Carl. (See Lawson, G. C., and Lindquist.)
Line Material Company. (See Steinmayer, Alwin G., assignor.)
Linotype and Machinery Limited. (See Hayward, A. S., and Dougall, assignors.)

Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Radio receiving system. 2,100,605; Nov. 30.
Linstead, Reginald P., South Kensington, London, and A. R. Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of ortho- and peri-aryl dinitriles. 2,100,401; Nov. 30.
Lipman, Carl E. L., assignor to Lipman Patents Corporation, Chicago, Ill. Motor-compressor unit for refrigerating apparatus. 2,100,716; Nov. 30.
Lipman Patents Corporation. (See Lipman, Carl E. L., assignor.)
Lippitt, Stephen W., Cleveland, Ohio. Buffing wheel. 2,100,340; Nov. 30.
Lippold, Adolph J., Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill. Overload clutch. 2,100,502; Nov. 30.
Livermore, William T., Westfield, N. J. Transmission. 2,100,810; Nov. 30.
Lobley, Frederick A., assignor to Dr. Miles Laboratories, Inc., Elkhart, Ind. Tablet crushing and dispensing device. 2,100,860; Nov. 30.
Lockhead, Elmer C., assignor of one-half to C. R. Henderson, Moberly, Mo. Knitted fabric. 2,100,861; Nov. 30.
Lock Joint Pipe Company. (See Trickey, William W., assignor.)
Loeb, H., & Co. (See Oscard, Robert S., assignor.)
Loeb, Joseph B., Brookline, Mass. Necktie. 2,100,696; Nov. 30.
Loewe, Siegmund, Berlin, Germany. Braun tube and producing braun tubes. 2,100,697; Nov. 30.
Lofton, Herbert M., Chattanooga, Tenn. Fire hydrant. 2,100,862; Nov. 30.
Lohr, Raymond, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y. Dancing figure toy. 2,100,486; Nov. 30.
Long, Charles J. (See Congdon, T. B., and Long.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuit. 2,100,863; Nov. 30.
Louisville Electric Manufacturing Co. (See McFerran, John B., Jr., assignor.)
Lowe, Arthur R. (See Linstead, R. P., and Lowe.)
Lowell, Percival D., Chevy Chase, Md., assignor to Radio Corporation of America, New York, N. Y. Superheterodyne receiving system. 2,100,606; Nov. 30.
Ludeman, Clifford G. (See Pevere, E. F., and Ludeman.)
Luhnow, Harold W. (See McGehee, W. L., and Luhnow.)
Lumsden, Colin H. (See Haddock, N. H., and Lumsden.)
Lute, Carl, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door support. 2,100,784; Nov. 30.
Lydon-Bricher Mfg. Co. (See Schmidt, C. A., and Bricher, assignors.)
Lyman, Arthur L., and M. M. Holm, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Dewaxing petroleum oils. 2,100,662; Nov. 30.
Lyons, Walter, Flushing, N. Y., assignor to Hazeltine Corporation. Multiband inductance unit. 2,100,402; Nov. 30.
Mabee, Alexander C., Villa Park, assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 2,100,717; Nov. 30.
Mabee, Alexander C., Villa Park, assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock. 2,100,718; Nov. 30.
Macdonald, Murdock, Cleveland Heights, Ohio. Coin register. 2,100,446; Nov. 30.
Mack Manufacturing Corporation. (See Wirrer, G., and Day, assignors.)
MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe bottom coating machine. 2,100,341; Nov. 30.
MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nozzle for extruding machines. 2,100,342; Nov. 30.
MacMullen, John S., San Francisco, Calif. Automatic safety brake for motor vehicles. 2,100,970; Nov. 30.
Macpherson, John M., and J. A. Stodgell, North Bay, Ontario, Canada. Brake applying and equalizing mechanism for motor cars. 2,100,503; Nov. 30.
Macwhyte Company. (See Russell, William C., assignor.)
Maddox, Robert D., Cincinnati, Ohio. Invalid lifter. 2,100,663; Nov. 30.
Magrum, Gervase M. (See Peo, R. F., Lautz, and Magrum.)
Mahaffey, Lester L., Carrier, Okla. Trailer hitch. 2,100,447; Nov. 30.
Maher, Charles J., Los Angeles, Calif. Well reamer. 2,101,007; Nov. 30.
Maier, Hans. (See Hessel, G., and Maier.)
Malloy, Frank J. (See Donovan, J. F., and Malloy.)
Mancuso, Ralph J., Brooklyn, assignor, by mesne assignments, to Carl Percy, Inc., New York, N. Y. Display device. 2,100,403; Nov. 30.
Mandl, Siegmund, and E. M. Pfauser, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Producing a pulling stress and hydraulic pulling mechanism. 2,100,564; Nov. 30.
Mansur, Clarence W., Malden, Mass., assignor to General Electric Company. Golf club and making same. 2,100,864; Nov. 30.
Marcott, Albert F., San Diego, Calif. Automatic change speed transmission. 2,100,565; Nov. 30.
Marlow, Alfred S. (See Stratton, Albert C., assignor.)
Marsden, John E., Philadelphia, Pa. Coffee maker. 2,100,487; Nov. 30.
Marsh, Jas. P., Corporation. (See Seegers, Hans, assignor.)
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Refrigerator cabinet. 2,100,811; Nov. 30.
Marshall, William, assignor to Briggs Manufacturing Company, Detroit, Mich. Trim panel assembly. 2,100,812; Nov. 30.
Martin, Clarence V., Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa. Supplementary controlled draft for fuel burners. 2,100,547; Nov. 30.
Martin, Louis W., St. Louis, and A. E. Lehmann, St. Charles, Mo., assignors to American Car and Foundry Company, New York, N. Y. Convertible coach and sleeper. 2,100,607; Nov. 30.
Marx, Louis, & Company. (See Lohr, Raymond, assignor.)
Maschinenfabrik Augsburg-Nurnberg A. G. (See Fohrer, Friedrich, assignor.)
Mason, Warren P., East Orange, N. J., G. T. Stanton, Mamaroneck, N. Y., and J. E. Tweeddale, Newark, N. J.; said Mason assignor to Bell Telephone Laboratories, Incorporated; said Stanton and said Tweeddale, assignors to Electrical Research Products, Inc., New York, N. Y. Fluid transmission. 2,100,404; Nov. 30.
Master Electric Company, The. (See Berger, A. F., and Voege.)
Mathieson Alkali Works, Inc., The. (See Taylor, M. C., and White, assignors.)
Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)
Maxin, David J., assignor to Smith, Kline & French, Inc., Philadelphia, Pa. Display rack. 2,100,548; Nov. 30.
Maxwell, J. & W., Limited. (See Wilson, Arthur, assignor.)
Maycen, Othmar, New York, N. Y., assignor to Clarence N. Wheeler, Glen Ridge, N. J. Fluid actuated device. 2,100,343; Nov. 30.
Mayer, Frederick, assignor to Cornell Center Homeopathic Bird Remedy Co., Inc., New York, N. Y. Mite killer attachment for bird cage perches. 2,101,008; Nov. 30.
McCarthy, Richard J. (See Fritz, A., and McCarthy.)
McClure, Ernest H. (See Wayman, Albert J., assignor.)
McClure, Robert E., assignor, by mesne assignments, to The Wean Engineering Co., Inc., Warren, Ohio. Clock controlled contact mechanism. 2,100,664; Nov. 30.
McCormack, John F., New Haven, and J. R. Leonard, Gales Ferry, Conn. Temperature controlled safety electric switch. 2,100,665; Nov. 30.
McCutcheon, William A., East Williston, assignor to Muzak Corporation, New York, N. Y. Coin selection program system. 2,100,608; Nov. 30.
McDerment, James H., assignor to The Swartwout Company, Cleveland, Ohio. Ridge ventilator. 2,100,785; Nov. 30.
McDonald, John, Brooklyn, N. Y. Plate glass carrying truck. 2,100,971; Nov. 30.
McFerran, John B., Jr., assignor to Louisville Electric Manufacturing Co., Louisville, Ky. Motor driven food churning device. 2,100,549; Nov. 30.
McGehee, Wallace L., and H. W. Luhnow, Kansas City, Mo. Apparatus for manufacturing dried feed. 2,100,907; Nov. 30.
McKemie, Will, Sr. (See Scheurer, Paul P., assignor.)
McLaren, William P. (See Bashford, F. G. C., and McLaren.)
McLean, Robert W., Bridgewater, assignor to Carver Cotton Gin Company, East Bridgewater, Mass. Gin. 2,100,786; Nov. 30.
Medart, Gustav H., Los Angeles, Calif. Buffing hood. 2,100,344; Nov. 30.
Merdan, Alexander, New York, N. Y. Combined light and fire alarm casing. 2,100,908; Nov. 30.
Merrill Company, The. (See Mills, L. D., Crowe, and Haun, assignors.)
Mershon, Lester E., assignor to Fray-Mershon, Inc., Los Angeles, Calif. Vise. 2,100,513; Nov. 30.
Metallbillard A. G. (See Seifert, Richard, assignor.)
Metzger, Joseph C. (See Kleb, E. A., and Metzger.)
Mishaels, Louis J., Dayton, Ky. Air compressor. 2,100,972; Nov. 30.
Micro-Westco, Inc. (See Petskeyes, Charles H., assignor.)
Miehle Printing Press and Manufacturing Company, The. (See Jacobson, Arthur G., assignor.)
Miles, Dr., Laboratories, Inc. (See Lobley, Frederick A., assignor.)
Miller, Elmer E., and H. L. Miller, Millersburg, Pa. Sliding cheek piece for guns. 2,100,514; Nov. 30.
Miller, Fred. (See Cervenka, W. F., and Miller.)
Miller, Henry J., Maplewood, N. J., and E. W. Schafer, New York, N. Y., assignors, by mesne assignments, to Radio Corporation of American. Gettering vacuum tube. 2,100,746; Nov. 30.
Miller, Howard L. (See Miller, Elmer E. and H. L.)
Miller, Max C., Cumberland, R. I. Knitting machine. 2,100,345; Nov. 30.
Mills, Louis D., and T. B. Crowe, Palo Alto, and J. C. Haun, assignors to The Merrill Company, San Francisco, Calif. Cyanide process. 2,100,865; Nov. 30.
Mirossay, Chrysanth M. (See Burger, W. J., and Mirossay.)

Misuraca, William N., Merrick, N. Y., assignor to Photocylinder Corporation. Intaglio printing elements and producing the same. 2,100,346; Nov. 30.
Mitchell, Donald H., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Radio tuning apparatus. 2,101,009; Nov. 30.
Mitchell, Frank A., London, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England. Control means. 2,100,609; Nov. 30.
Modern Equipment Company. (See Goldberg, M. W., and Drissen, assignors.)
Modine Manufacturing Company. (See Perkins, Charles T., assignor.)
Monach Governor Company. (See Hufford, Raymond, assignor.)
Monsanto Chemical Company. (See Harman, Marion W., assignor.)
Monsanto Chemical Company. (See Harris, Morton, assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Monsanto Chemical Company. (See Thomas, Charles A., assignor.)
Moore, Daniel F., North Bend, and M. A. Wicks, Seattle, Wash. Fireproofing wood, and products therefrom. 2,100,787; Nov. 30.
Moore, John N., assignor of one-half to T. G. Drake, Oklahoma City, Okla. Gate valve. 2,100,996; Nov. 30.
Moore, Wesley W., Hobbs, N. Mex., assignor to The Texas Company, New York, N. Y. Emergency shut-off valve. 2,100,550; Nov. 30.
Moos, N. H., et al. (See Honigmann, E., and Bruckmayer, assignors.)
Mora, Arnufo, El Paso, Tex. Automatic roach trap. 2,100,909; Nov. 30.
Morgan, Andrew L., Houston, Tex. Tank cleaner. 2,100,813; Nov. 30.
Mörner, Eric G., Stockholm, Sweden. Grenade. 2,100,698; Nov. 30.
Morningstar, George H. (See Lenk, Ernest A., assignor.)
Morris, Howard A., Toledo, Ohio. Manufacture of oleomargarine. 2,100,866; Nov. 30.
Morris, Joseph C., Verdun, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Coating apparatus. 2,100,405; Nov. 30.
Morrison, Charles E. (See Doolittle, J. B., and Morrison.)
Morrison, John R., Newport News, Va., assignor, by mesne assignments, to J. Stuart Fleming, Niagara Falls, N. Y. Manifolding book. 2,100,814; Nov. 30.
Morrison, Willard L., Lake Forest, Ill. Air deflecting device for automobiles. 2,100,406; Nov. 30.
Moses, Graham L. (See Willby, N. H., and Moses.)
Mossberg, Harold F., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn. Audible indicating adjusting device. 2,100,649; Nov. 30.
Mossberg, O. F., & Sons, Inc. (See Mossberg, Harold F., assignor.)
Motor Improvements, Inc. (See Irwine, Robert L., assignor.)
Motor Terminals Company. (See Fitch, Benjamin F., assignor.)
Mouromtseff, Ilia E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Recirculating water jacket. 2,100,747; Nov. 30.
Moyer, Amos F., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn. Gang lawn mower. 2,100,910; Nov. 30.
Müller, Alfred, Munich, Germany. Skibinding. 2,100,666; Nov. 30.
Munding, Oscar L., Glendale, Calif. Router. 2,100,566; Nov. 30.
Muzak Corporation. (See McCutcheon, William A., assignor.)
Nanfeldt, William, Clifton, assignor to World Bestos Corporation, Paterson, N. J. Woven brake lining, yarn, and process for making same. 2,100,347; Nov. 30.
National Drug Company, The. (See Paisley, E. S., and Peters, assignors.)
National Parkhurst Systems, Inc. (See Parkhurst, Layton M., assignor.)
National Supply Company, The. (See Martin, Clarence V., assignor.)
Natural Food Products Company. (See Souther, C. W., and Farnsworth, assignors.)
National Standard Company. (See Hamilton, Lawrence H., assignor.)
National Standard Company. (See Hamilton, Lawrence H., assignor.)
Naylor, Clayton W., Eaton Rapids, Mich. Internal brake. 2,100,973; Nov. 30.
Neilson, Raymond F., Detroit, Mich. Soldering preparation. 2,100,974; Nov. 30.
Nell, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Collapsible tap. 2,100,448; Nov. 30.
Nell, Frederic, assignor to Landis Machine Company, Waynesboro, Pa. Thread forming mechanism. 2,100,449; Nov. 30.
Nelson, Adolph L., Detroit, Mich. Piston. 2,100,719; Nov. 30.
Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind. Knob attaching means. 2,100,567; Nov. 30.
Nelson, Peter, San Francisco, Calif., assignor to Stauffer Chemical Company. Carboy cap construction. 2,100,450; Nov. 30.
Neumann, Leopold, Vienna, Austria, assignor to Ronag A.-G., Chur, Switzerland. Sound recording. 2,100,975; Nov. 30.
Nichols, A. S., Western Company. (See Stilson, Herbert A., assignor.)
Nickels & Lauber. (See Phillips, Joseph, assignor.)
Nicolson, Alexander McL., assignor to Communication Patents, Inc., New York, N. Y. Light beam transmission system. 2,100,348; Nov. 30.
Norrid, James H., Detroit, Mich. Shingle. 2,100,699; Nov. 30.
Norris, Jabez H., Covington, Ky. Combination fixture and wall unit with joints and trims therefor. 2,100,568; Nov. 30.
Norton, Chester H., Louisville, Ky. Venetian shade. 2,100,976; Nov. 30.
Oakes Products Corporation. (See Mabee, Alexander C., assignor.)
O'Connor, Raymond C., assignor to Union Railway Equipment Company, Chicago, Ill. Hand brake mechanism. 2,100,349; Nov. 30.
Oliver United Filters Incorporated. (See Hillier, Gerald O., assignor.)
Oliver, Walter E., Somerville, Mass. Autographic register. 2,100,911; Nov. 30.
Oliver, Walter E., Somerville, Mass. Autographic register. 2,100,912; Nov. 30.
Olson, Olaf M., Margate, N. J., assignor to General Electric Company. Air conditioning system. 2,100,867; Nov. 30.
Olsson, Eric, Jersey City, N. J. Nonglare head lamp. 2,100,913; Nov. 30.
Oppenheimer, Arthur, Jr., New York, N. Y. Slip cover for furniture. 2,100,868; Nov. 30.
Oregon Worsted Company. (See Fisher, Ralph K., assignor.)
Orsino, Joseph A., East Cleveland, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,100,914; Nov. 30.
Oscard, Robert S., assignor to H. Loeb & Co., Inc., New York, N. Y. Garment. 2,100,869; Nov. 30.
Osgood, Charles F., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,100,350; Nov. 30.
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Pabodie, Robert R., assignor to J. F. Pritchard & Company, Kansas City, Mo. Cooling tower. 2,100,667; Nov. 30.
Page, John H., assignor to The Shaw-Walker Company, Muskegon, Mich. Letter tray. 2,100,720; Nov. 30.
Paisley, Ellwood S., and A. F. Peters, assignors to The National Drug Company, Philadelphia, Pa. Gas filter. 2,100,610; Nov. 30.
Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Radial plain bearing. 2,100,608; Nov. 30.
Paper Sacks Limited. (See Robinson, Foster G., assignor.)
Papoutsis, Konstantinos S., Chicago, Ill. Heater. 2,100,766; Nov. 30.
Parkhurst, Layton M., assignor to National Parkhurst Systems, Inc., Lackawanna, N. Y. Building construction. 2,100,451; Nov. 30.
Parks-Cramer Company. (See Reavell, James A., assignor.)
Parsons, Donald E. (See Pickle, M. McD., and Parsons.)
Parsons, John S., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Buried type distribution transformer. 2,100,721; Nov. 30.
Pass & Seymour, Inc. (See Despard, Victor R., assignor.)
Patentaktiebolaget Ambia. (See Pettersson, Hjalmar L., assignor.)
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Patent Sales, Inc. (See Flint, Hyland C., assignor.)
Patrick, Joseph C., Trenton, N. J. Making plastic substances and product obtained. 2,100,351; Nov. 30.
Patterson, William G., Mottingham, and R. G. Dixon, Eltham, assignors to Siemens Brothers & Company Limited, London, England. Telephone system. 2,100,515; Nov. 30.
Paulson, Kristian, Farrell, and R. O. Hurst, Sharon, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Switch operating mechanism. 2,100,722; Nov. 30.
Pecker, Joseph S., Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y. Centrifugal separating machine and treating sludges. 2,100,669; Nov. 30.
Pennsylvania Salt Manufacturing Company. (See Davies, Richard L., assignor.)
Peo, Ralph F., C. F. Lautz, and G. M. Magrum, assignors to Houde Engineering Corporation, Buffalo, N. Y. Valving assembly for hydraulic shock absorbers. 2,100,407; Nov. 30.
Percy, Carl, Inc. (See Mancuso, Ralph J., assignor.)

Perkins, Charles T., assignor to Modine Manufacturing Company, Racine, Wis. Grille structure. 2,100,767; Nov. 30.
Perry, Elvis E. (See Pond, H. A., and Perry.)
Peters, Allen F. (See Paisley, E. S., and Peters.)
Peters, Andrew. (See Talbot, C. H., and Peters.)
Petrie, Edward R. and N. M., New York, N. Y. Necktie. 2,100,870; Nov. 30.
Petrie, Nellie M. (See Petrie, Edward R. and N. M.)
Petroleum Conversion Corporation. (See Sachs, Albert P., assignor.)
Petskeyes, Charles H., Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Bread slicing machine. 2,101,010; Nov. 30.
Pettersson, Hjalmar L., assignor to Patentaktiebolaget Ambla, Stockholm, Sweden. Testing metal articles. 2,100,977; Nov. 30.
Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 2,100,915; Nov. 30.
Pevere, Ernest F., and C. G. Ludeman, Beacon, assignors to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 2,100,916; Nov. 30.
Pfauser, Edward M. (See Mandl, S., and Pfauser.)
Pfeiffer, William C. (See Stern, M. C., and Pfeiffer.)
Phelan, Louis A. M., Chicago, Ill., and L. E. Koch, Beloit, Wis. Cabinet. 2,100,871; Nov. 30.
Phillips, Joseph, assignor to Nickels & Lauber, Philadelphia, Pa. Mechanism for the automatic selection and operation of flat knitting machine thread carrier bars. 2,100,611; Nov. 30.
Phillips, Roy, Dallas, Tex. Structure for supporting plaster coating. 2,100,650; Nov. 30.
Photo-Cylinder Corporation. (See Misuraca, William N., assignor.)
Pickle, Marion McD., and D. E. Parsons, Knoxville, Tenn. Combined chair and desk. 2,100,597; Nov. 30.
Pier, Mathias, Heidelberg, W. Simon, and P. Jacob, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Catalytic reaction. 2,100,352; Nov. 30.
Pier, Mathias, Heidelberg, and E. Donath, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of hydrocarbons of low boiling point. 2,100,353; Nov. 30.
Pier, Mathias, Heidelberg, W. Simon, and G. Grassl, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Treatment with hydrogenating gases of distillable carbonaceous materials. 2,100,354; Nov. 30.
Pitt Corporation, The. (See Pitt, William P. and F. D., assignors.)
Pitt, Frederick D. (See Pitt, William P. and F. D.)
Pitt, William P. and F. D., assignors to The Pitt Corporation, Kansas City, Mo. Fare receptacle. 2,101,011; Nov. 30.
Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Finish for fabrics of organic derivatives of cellulose. 2,100,408; Nov. 30.
Plumb, Roy A. (See Woodhead, H., Plumb, and Sindelar.)
Pond, Hoyt A., and E. E. Perry, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Cleaning of filter surfaces. 2,101,012; Nov. 30.
Ponig, William. (See Bent, F. A., Wik, and Ponig.)
Poor & Company. (See Disbrow, Clarkson A., assignor.)
Porter, Amyas L., Oakland, Calif. Bicycle lock. 2,100,917; Nov. 30.
Porter, Donald C., San Diego, Calif. Vehicle direction signal. 2,100,409; Nov. 30.
Potts, Charles R., Klamath Falls, Oreg. Trailer. 2,100,612; Nov. 30.
Pray Research Corporation. (See Pray, William O., assignor.)
Pray, William O., assignor to Pray Research Corporation, De Beque, Colo. Method and apparatus for utilizing molten material in heat treatment of liquids not miscible with the molten material. 2,100,355; Nov. 30.
Prince, David C., Swarthmore, Pa. Power transmission. 2,100,748; Nov. 30.
Pritchard, J. F., & Company. (See Pabodie, Robert R., assignor.)
Proctor & Schwartz, Incorporated. (See Black, Harold G., assignor.)
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Proctor & Schwartz, Inc. (See Schwartz, Walter M., assignor.)
Public, Dedicated to the Free Use of the. (See Smith, L. H., and Claborn.)
Pudelko, Hermann, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Cutting device for buttonhole or other sewing machines. 2,100,815; Nov. 30.
Pugsley, Edwin, assignor to Winchester Repeating Arms Company, New Haven, Conn. Take-down firearm. 2,100,410; Nov. 30.
Pulp Products Company. (See Heymann, Roy D., assignor.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Fastening device for locking juxtaposed members together. 2,100,816; Nov. 30.
Quinn, Ada, Ogden, Utah. Apron. 2,100,817; Nov. 30.
Quint, Ferdinand. (See Dilthey, W., and Quint.)
Quintavalle, Umberto, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy. Tuning dial for radio sets. 2,100,453; Nov. 30.
Radio Corporation of America. (See Linsell, Alfred A., assignor.)
Radio Corporation of America. (See Lowell, Percival D., assignor.)
Radio Corporation of America. (See Miller, H. J., and Schafer, assignors.)
Radio Corporation of America. (See Runge, Frank E., assignor.)
Radio Corporation of America. (See Salzberg, Bernard, assignor.)
Radio Corporation of America. (See Shepard, Francis H., Jr., assignor.)
Radio Corporation of America. (See Siemens, Rudolph H., assignor.)
Radioaktiengesellschaft D. S. Loewe. (See von Ardenne, Manfred, assignor.)
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randall, Karl C., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,100,749; Nov. 30.
Randall, Meredith S., assignor to Woodall Industries Incorporated, Detroit, Mich. Visor construction. 2,100,872; Nov. 30.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Circuit breaker. 2,100,788; Nov. 30.
Rasmussen, Olaf, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Brake adjustment. 2,100,488; Nov. 30.
Raw, George, Ravenswood, Low Fell, England. Apparatus for the separation of solid materials of different specific gravities. 2,100,670; Nov. 30.
Read, Robert E., Watertown, N. Y. Container. 2,100,516; Nov. 30.
Reavell, James A., Westminster, London, England, assignor to Parks-Cramer Company, Fitchburg, Mass. Liquid circulation heating system. 2,100,671; Nov. 30.
Redier Conveyor Company. (See Sinden, Alfred D., assignor.)
Redman, Allen B., assignor to T. C. Wheaton Co., Millville, N. J. Glass doorknob. 2,100,818; Nov. 30.
Reiter, Daniel I., New York, N. Y. Radiator cover clip. 2,100,551; Nov. 30.
Rentier, Joseph, Columbus, Ohio. Identification device for automobiles. 2,100,598; Nov. 30.
Renleaux, Otto, assignor to Vereinigte Leichtmetall-Werke Gesellschaft mit beschrankter Haftung, Hanover, Germany. Increasing the corrosion resistance of aluminum alloys and products resulting therefrom. 2,100,411; Nov. 30.
Reymer & Brothers, Inc., et al. (See Hartman, Thomas L., assignor.)
Rheinlander, Paul, Hagen, in Westphalia, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Apparatus for measuring and delivering gas quantities reduced to a normal condition. 2,100,978; Nov. 30.
Richards-Wilcox Manufacturing Company. (See Tamsitt, Joseph C., assignor.)
Richardson Company, The. (See Hess, Jack W., assignor.)
Richardson, Earl L., assignor to B. F. Sturtevant Company, Hyde Park, Mass. Fan. 2,100,489; Nov. 30.
Richardson, Rodney G., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone switch. 2,100,517; Nov. 30.
Richmond Screw Anchor Co. (See Schenk, Tamis C., assignor.)
Ringler, William A., Wayne, assignor to Carton Container Company, Philadelphia, Pa. Foldable box and blank therefor. 2,100,750; Nov. 30.
Ringman, Paul, St. Albans, N. Y. Adjustable nonslip ladder protector. 2,100,918; Nov. 30.
Rinkow, Otto, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Impulse sender mechanism. 2,100,518; Nov. 30.
Rippingille, Edward V., assignor to General Motors Corporation, Detroit, Mich. Cooling system. 2,100,490; Nov. 30.
Ripsch, Charles W., and B. H. Wuebben, assignors to The Buckeye Portable Tool Company, Dayton, Ohio. Clutch mechanism for power operated portable tools. 2,100,532; Nov. 30.
Riszdorfer, Ödön, Budapest, Hungary. Photographic camera. 2,100,672; Nov. 30.
Ritenour, William H., Pittsburgh, Pa. Press bed lock-up. 2,100,356; Nov. 30.
Roberts, Clifford, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cementing machine. 2,100,452; Nov. 30.
Roberts, Russell M., Detroit, Mich. Dowel structure. 2,100,873; Nov. 30.
Robertson, Almon F., Kirkland Lake, Ontario, Canada. Gloves and mittens for miner's use. 2,100,491; Nov. 30.
Robinson, Foster G., assignor of one-half to Paper Sacks Limited, Bristol, England. Bag and like tubing machine. 2,100,519; Nov. 30.
Robinson, William R., Niles, Ohio. Equipment for making artificial ice. 2,100,520; Nov. 30.
Robinson, William R., Niles, Ohio. Ice can with integral air tube. 2,100,521; Nov. 30.

Robiolio, Raymond L. (See Berhman, J. W., and Robiolio.)
Roess, Louis C., and C. E. Cummings, Beacon, assignors to The Texas Company, New York, N. Y. Observation chamber for flowing liquids. 2,100,919; Nov. 30.
Rogers, William H., Washington, D. C. Unitary structure for supporting photoprinting apparatus. 2,100,920; Nov. 30.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Rolph, Samuel W., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,100,921; Nov. 30.
Ronag A.-G. (See Neumann, Leopold, assignor.)
Rosborough, William McL., Charlotte, N. C. Castellated nut blank. 2,100,357; Nov. 30.
Rowe, Allen W., Binghamton, N. Y. Foldable seat. 2,100,979; Nov. 30.
Rowntree, Leonard G., Philadelphia, Pa. Clinical surface thermometer. 2,100,613; Nov. 30.
Royse, James S., and P. R. Turner, assignors to Thomson Symon Co., Terre Haute, Ind. Paperboard printing plate and making same. 2,100,358; Nov. 30.
Runge, Frank E., Oaklyn, N. J., assignor to Radio Corporation of America. Record moving mechanism. 2,100,751; Nov. 30.
Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Pressure control device. 2,100,997; Nov. 30.
Russell, Harlow M., Chelsea, and M. H. Sidebotham, West Newton, assignors to Specialty Automatic Machine Company, Medford, Mass. Manufacture of printed paper articles. 2,100,522; Nov. 30.
Russell Manufacturing Company, The. (See Hendley, James A., assignor.)
Russell, William C., assignor to Macwhyte Company, Kenosha, Wis. Thimble for rope slings. 2,100,569; Nov. 30.
Ryan Coffee Corporation. (See Ryan, W. M., and Bold, assignors.)
Ryan, William M., and J. W. Bold, assignors to Ryan Coffee Corporation, Brooklyn, N. Y. Automatic weighing and feeding machine. 2,100,874; Nov. 30.
S K F Industries, Incorporated. (See Styri, Haakon, assignor.)
Sachs, Albert P., assignor to Petroleum Conversion Corporation, New York, N. Y. Cracking hydrocarbons. 2,100,922; Nov. 30.
Saeta, Samuel, Los Angeles, Calif. Device for filling containers with liquids. 2,100,359; Nov. 30.
Safety Vulcanizer Company. (See Grange, Leo O., assignor.)
Saleh, Gabriel E. R., New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Anchoring device. 2,100,570; Nov. 30.
Salley, Thomas P., Roselle, N. J. Skid chain applying device. 2,100,819; Nov. 30.
Salzberg, Bernard, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 2,100,723; Nov. 30.
Saunders, Norman H., and P. Bakker, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone system. 2,100,523; Nov. 30.
Scantlebury, Francis H., Brooklyn, N. Y. Illuminated measuring device. 2,100,875; Nov. 30.
Schafer, Elwood W. (See Miller, H. J., and Schafer.)
Schaper, Georg, Muelheim-Ruhr-Broich, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Nozzle channel construction. 2,100,360; Nov. 30.
Schenk, Tamis C., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y. Form tie. 2,100,614; Nov. 30.
Scheurer, Paul P., assignor to W. McKemie, Sr., Wichita Falls, Tex. Merchandising machine and apparatus. 2,100,752; Nov. 30.
Schlesinger, Kurt, Berlin, Germany. Relaxation oscillation generator. 2,100,700; Nov. 30.
Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,100,701; Nov. 30.
Schlesinger, Kurt, Berlin, Germany. Arrangement for producing relaxation oscillations. 2,100,702; Nov. 30.
Schlesinger, Kurt, Berlin, Germany. Braun tube and producing the same. 2,100,703; Nov. 30.
Schmidt, Carl A., and H. D. Bricher, assignors to Lydon-Bricher Mfg. Co., St. Paul, Minn. Fan with collapsible support. 2,100,923; Nov. 30.
Schmidt, Erwin J. (See Grange, E. A., and Schmidt, assignors.)
Schneider, Elbert D., Scotia, N. Y., assignor to General Electric Company. Control device. 2,100,876; Nov. 30.
Schofield, Stanley T., Wilkinsburg, and S. H. Boden, Turtle Creek, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,100,753; Nov. 30.
Schroeder, Simon E., Chicago, Ill. Humidifier. 2,100,454; Nov. 30.
Schuknecht, Julius, Middle Village, N. Y. Envelope closure. 2,100,768; Nov. 30.
Schulthess, Oskar, and C. Theiler, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Mixing and grinding mill. 2,100,599; Nov. 30.
Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of curviform hollow articles from binder-impregnated water-laid felts. 2,100,651; Nov. 30.
Schutt, William A., Litchfield, Ill. Face mask and button type pad. 2,100,553; Nov. 30.
Schwander, Erwin F., assignor to Societe d'Etudes des Vehicules "Sev", Reichshoffen, France. Device for the combined control of the admision of air and of fuel in automatic heavy-oil furnaces. 2,100,673; Nov. 30.
Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Disk fan. 2,100,980; Nov. 30.
Scott, Herbert J., Oakland, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Temperature-compensated device. 2,100,412; Nov. 30.
Scott & Williams, Incorporated. (See Coleman, William, assignor.)
Seegers, Hans, assignor to Jas. P. Marsh Corporation, Chicago, Ill. Pressure gauge. 2,100,754; Nov. 30.
Seifert, Richard, Vienna, Austria, assignor to Metallbillard A. G., Chur, Switzerland. Construction of billiard tables. 2,100,981; Nov. 30.
Sengebusch, Hans. (See Woodruff, A. E., and Sengebusch.)
Sengebusch, Hans, Villa Park, assignor to associated Electric Laboratories, Inc., Chicago, Ill. Switch mechanism. 2,100,524; Nov. 30.
Severance, Myron, Rochester, Mich. Milk stool. 2,100,877; Nov. 30.
Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Sintering system. 2,100,878; Nov. 30.
Shaw-Walker Company, The. (See Page, John H., assignor.)
Shealy, Heyward, Hendersonville, N. C. Lug strap holder. 2,100,820; Nov. 30.
Shell Development Company. (See Bent, F. A., Wik, and Ponig, assignors.)
Shell Development Company. (See Engs, W., and van de Griendt, assignors.)
Shell Development Company. (See Welikanov, Alexander G., assignor.)
Shellmar Products Company. (See Engel, William H., assignor.)
Shellmar Products Company. (See Gilfillan, Paul M., assignor.)
Shepard, Francis H., Jr., Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America. Photometer. 2,100,755; Nov. 30.
Shepard, Francis H., Jr., Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Alternating current control. 2,100,756; Nov. 30.
Shimer, Calvin J., Toledo, Ohio. Tape machine. 2,100,652; Nov. 30.
Shoup, David M., Bremerton, Wash. Device for blacking sights of weapons. 2,100,982; Nov. 30.
Sibley, Milton, G. (See Glass, W. F., and Sibley.)
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Preservation of rubber. 2,100,998; Nov. 30.
Sidebotham, Melvin H. (See Russell, H. M., and Sidebotham.)
Siemens Brothers & Company Limited. (See Patterson, W. G., and Dixon, assignors.)
Siemens & Halske Aktiengesellschaft. (See Hoefert, R., and Wollack, assignors.)
Siemens & Halske Aktiengesellschaft. (See Rinkow, Otto, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Walter, Hans, assignor.)
Siemens, Rudolph H., Richmond Hill, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Tuning indicator circuits. 2,100,769; Nov. 30.
Sigman, Myer, Cleveland, Ohio. Nonrefillable container. 2,100,983; Nov. 30.
Sim, La, New Orleans, La. Macaroni trimming and drying apparatus. 2,100,821; Nov. 30.
Simmons, Leon E., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 2,100,361; Nov. 30.
Simon, Walter. (See Pier, M., Simon, and Grassl.)
Simon, Walter. (See Pier, M., Simon, and Jacob.)
Sindelar, Thomas A. (See Woodhead, H., Plumb, and Sindelar.)
Sinden, Alfred D., Aurora, Ill., assignor, by mesne assignments, to Redier Conveyor Company, Quincy, Mass. Conveyer. 2,100,924; Nov. 30.
Sindler, Jay J., assignor to Converse Rubber Company, Malden, Mass. Pneumatic sheet material and making. 2,100,492; Nov. 30.
Sloane-Blabon Corporation. (See Koenig, Walter J., assignor.)
Slotta, Max A., Chicago, Ill. Screw threading die. 2,100,724; Nov. 30.
Smallwood, Charles, Washington, N. C. Back-band buckle. 2,100,600; Nov. 30.
Smally, Emanuel C., assignor of one-half to K. B. Cope, Canton, Ohio. Adapter for incandescent bulbs. 2,100,984; Nov. 30.

Snally, Emanuel C., assignor of one-half to K. B. Cope, Canton, Ohio. Molding apparatus. 2,100,985; Nov. 30.
Smith, A. O., Corporation. (See Hlemke, Hugo W., assignor.)
Smith, Howard A., and M. E. Smith, Fairfield, Conn. Body molding garment. 2,100,986; Nov. 30.
Smith, John W. (See Leister, F., and Smith.)
Smith, Kline & French, Inc. (See Maxin, David J., assignor.)
Smith, Lloyd E., and H. V. Claborn, Washington, D. C., Dedicated to the Free Use of the Public. Insecticide. 2,100,493; Nov. 30.
Smith, May E. (See Smith, Howard A., and M. E.)
Smith, Richard E., East Cleveland, Ohio, assignor to General Electric Company. Electric lamp. 2,100,879; Nov. 30.
Snell, Owens C., assignor of one-half to L. H. Kennon, Houston, Tex. Drill. 2,100,615; Nov. 30.
Societe d'Etudes des Vehicules "Ser". (See Schwander, Erwin F., assignor.)
Societe of Chemical Industry in Basle. (See Schulthess, O., and Theller, assignors.)
Sorensen, Charles E., Detroit, assignor to Ford Motor Company, Dearborn, Mich. Piston. 2,100,525; Nov. 30.
Souther, Channing W., Laguna Beach, and H. S. Farnsworth, Santa Ana, assignors to Natural Food Products Company, Orange, Calif. Fruit splitter. 2,100,455; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Method of and apparatus for making rubber or latex articles. 2,100,571; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Form for making latex articles. 2,100,572; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Flat sheet latex article. 2,100,573; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Form for making pouches. 2,100,574; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Form for making rubber articles. 2,100,575; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Form for making rubber articles. 2,100,576; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Method and apparatus for making relatively long lengths of latex sheeting. 2,100,577; Nov. 30.
Spánel, Abraham N., Rochester, N. Y. Form for making garments. 2,100,578; Nov. 30.
Sparks, Robert L., Clayton, assignor to Alco Valve Company, Inc., St. Louis, Mo. Equalizing connection for refrigeration systems. 2,100,494; Nov. 30.
Specialty Automatic Machine Company. (See Russell, H. M., and Sidebotham, assignors.)
Specht, James E., Orrville, Ohio, assignor to J. M. Hopwood, Dormont, Pa. Electric gauge and controlling the current output of grid controlled glow discharge tubes. 2,100,460; Nov. 30.
Speedway Manufacturing Company. (See Larocca, James, assignor.)
Spensley Vincent H., Albuquerque, N. Mex. Medicinal carrying tube. 2,100,456; Nov. 30.
Spielman, Adolph, assignor to Sarah Spielman, Philadelphia, Pa. Pinking mechanism for sewing machines. 2,100,987; Nov. 30.
Spielman, Sarah. (Spielman, Adolph, assignor.)
Spurlin, Harold M., assignor to Hercules Powder Company, Wilmington, Del. Continuous process for production of aralkyl halides. 2,100,822; Nov. 30.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Convertible hoist. 2,100,674; Nov. 30.
Stahle, John A., Boston, assignor of one-half to T. Lillemoen, Watertown, Mass. Clutch construction. 2,100,382; Nov. 30.
Staley, A. E., Manufacturing Company. (See Dale, Julian K., assignor.)
Standard-I. G. Company. (See Pier, M., Simon, and Grassl, assignors.)
Standard Oil Company. (See Chenicek, George W., assignor.)
Standard Oil Company of California. (See Lyman, A. L., and Holm, assignors.)
Stansel, Numan R., Schenectady, N. Y., assignor to General Electric Company. Flash welding. 2,100,880; Nov. 30.
Stanton, George T. (See Mason, W. P., Stanton, and Tweeddale.)
Starline, Inc. (See Ferris, Robert G., assignor.)
Stauffer Chemical Company. (See Nelson, Peter, assignor.)
Steel Brothers & Company Limited. (See Bhatnagar, Shanti S., assignor.)
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steiner Sales Company. (See Birr, R. G., and Grunwald, assignors.)
Steinmayer, Alwin G., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. Fuse link for expulsion fuses. 2,100,413; Nov. 30.
Stern, Milton C., and W. C. Pfeiffer, assignors to The Egry Register Company, Dayton, Ohio. Manifolding device. 2,100,579; Nov. 30.
Stevenson, Wilbur W., Pittsburgh, Pa. Fluid meter. 2,100,495; Nov. 30.
Still, Lawrence M. (See Voigt, A. P. J., and Still.)
Stilson, Herbert A., Chicago, Ill. Animal trap. 2,100,363; Nov. 30.
Stilson, Herbert A., assignor of one-half to A. S. Nichols Western Company, Chicago, Ill. Animal trap. 2,100,925; Nov. 30.
Stilson, Herbert A., Chicago, Ill. Animal trap. 2,100,926; Nov. 30.
Stivender, Edward H., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,100,364; Nov. 30.
Stodgell, James A. (See Macpherson, J. M., and Stodgell.)
Stratton, Albert C., Lincoln Park, assignor to Alfred S. Marlow, Ridgewood, N. J. Self-priming impeller pump for gas and fluid mixtures. 2,100,365; Nov. 30.
Strouse Baer Company, The. (See Baer, Abram K., assignor.)
Sturtevant, B. F., Company. (See Howden, William H., assignor.)
Sturtevant, B. F., Company. (See Richardson, Earl L., assignor.)
Styri, Haakon, assignor to S K F Industries, Incorporated, Philadelphia, Pa. Locking device for attaching a part having a bore to a shaft. 2,100,725; Nov. 30.
Sugden, Walter J. (See Drysdale, William D., assignor.)
Sults, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Signal system. 2,100,881; Nov. 30.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Huffman, Mervin C., assignor.)
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sullivan Machinery Company. (See Osgood, Charles F., assignor.)
Sullivan Machinery Company. (See Simmons, Leon E., assignor.)
Swain, Joseph G., Akron, and A. W. Woodward, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Wheel and rim mounting. 2,100,654; Nov. 30.
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,100,414; Nov. 30.
Swartwout Company, The. (See McDerment, James H., assignor.)
Swazey, Edward S., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Portable play pen for children. 2,100,789; Nov. 30.
Sweet, J. B., et al. (See Wohlfarth, Walter W., assignor.)
Swingle, Ralph H., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,100,757; Nov. 30.
Talbot, Charles H., and A. Peters, Coscob, Conn. Sash mounting. 2,100,616; Nov. 30.
Tamsitt, Joseph C., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Elevator gate. 2,100,882; Nov. 30.
Tanner, George L., Dacula, Ga. Smoking pipe. 2,100,988; Nov. 30.
Tauer, Edward, Bellerose, N. Y. Apparatus for cooling systems. 2,100,883; Nov. 30.
Tavani, Gennaro, Brooklyn, N. Y. Brooch and clips combination. 2,100,554; Nov. 30.
Taylor, Don A., assignor of one-half to F. W. Boyer, Wadsworth, Ohio. Machine gun mount. 2,100,790; Nov. 30.
Taylor, Maurice C., and J. F. White, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching of cellulosic materials. 2,100,496; Nov. 30.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Urtel, Rudolf, assignor.)
Ternes, Raymond F. (See Watson, L. M., Ternes, and Budlong.)
Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Steam pressure regulator. 2,100,555; Nov. 30.
Texas Company, The. (See Moore, Wesley W., assignor.)
Texas Company, The. (See Pevere, Ernest F., assignor.)
Texas Company, The. (See Pevere, E. F., and Ludeman, assignors.)
Texas Company, The. (See Pond, H. A., and Perry, assignors.)
Texas Company, The. (See Roess, L. C., and Cummings, assignors.)
Theller, Casimir. (See Schulthess, O., and Theller.)
Theodorsen, Olav T., Oslo, Norway. Wood joining article. 2,100,415; Nov. 30.
Thoma, Dieter, Munich, Germany. Double governor for turbines. 2,100,580; Nov. 30.
Thomas & Betts Co., The. (See Church, Lewis H., assignor.)
Thomas, Charles A., Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company. Method and apparatus for performing pyrogenetic reactions. 2,100,823; Nov. 30.
Thompson, Elmer B., assignor to Globe Machinery & Supply Company, Des Moines, Iowa. Automobile lift. 2,100,617; Nov. 30.
Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Multiple control apparatus. 2,100,791; Nov. 30.

Thomson Symon Co. (See Royse, J. S., and Turner, assignors.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tomlinson, Obadiah N., Howell, Ga. Twine holder, 2,100,989; Nov. 30.
Torbert, John E., Jr., National City, Calif. Safety device for aircraft and other conveyances. 2,100,416; Nov. 30.
Toro Manufacturing Corporation of Minnesota. (See Moyer, Amos F., assignor.)
Townsend, Frank E., Bartlesville, Okla. Sulphur dioxide recovery process. 2,100,792; Nov. 30.
Traynor, Charles W., et al. (See Bowe, Charles F., assignor.)
Traynor, Robert M. J., Summit, N. J. Fruit and vegetable washer. 2,100,675; Nov. 30.
Trematore, Raffaele, Mori, Trento, Italy, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway. Continuous anode for electrolytic cells for the production of aluminium. 2,100,927; Nov. 30.
Trickey, William W., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Apparatus for making branch connections. 2,100,884; Nov. 30.
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trimble Nurseryland Furniture, Inc. (See De Puy, C. T., and Baxter, assignors.)
Trimble Nurseryland Furniture, Inc. (See Swazey, Edward S., assignor.)
Trott, Arthur J., Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,100,457; Nov. 30.
Trumble, John T., Detroit, Mich. Producing metallic wheels. 2,100,885; Nov. 30.
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Truscon Steel Company. (See Woodhead, H., Plumb, and Sindelar, assignors.)
Trussell, Homer A., Detroit, Mich. Fuel system for combustion engines. 2,100,676; Nov. 30.
Turner, Paul R. (See Royse, J. S., and Turner.)
Tweeddale, John E. (See Mason, W. P., Stanton, and Tweeddale.)
Tyler, Stephen L., Garden City, N. Y. Valve. 2,100,366; Nov. 30.
Umansky, Leonid A., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,100,653; Nov. 30.
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Railway Equipment Company. (See O'Connor, Raymond C., assignor.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Thompson, Howard A., assignor.)
United Pipe & Supply Corporation. (See Campbell, Harry G., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)
United Shoe Machinery Corporation. (See Butler, E. L., and Harrington, assignors.)
United Shoe Machinery Corporation. (See Clarke, T. B., and Boothroyd, assignors.)
United Shoe Machinery Corporation. (See Greene, Chester W., assignor.)
United Shoe Machinery Corporation. (See Roberts, Clifford, assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
United States Rubber Products, Inc. (See Watson, L. M., Ternes, and Budlong, assignors.)
Universal Oil Products Company. (See Held, Jacob B., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Urschel, William E., Valparaiso, Ind. Vegetable peeler. 2,100,793; Nov. 30.
Urtel, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode ray apparatus. 2,100,618; Nov. 30.
Valentine, Leonard W., Baltimore, Md. Liquid dispensing apparatus. 2,100,990; Nov. 30.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Continuous-vertical coking retort oven. 2,100,758; Nov. 30.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Leveling beam for horizontal chamber ovens. 2,100,759; Nov. 30.
Van de Griendt, Gerald H. (See Engs, W., and van de Griendt.)
Van Fleet, Vincent E., Detroit, Mich. Weather strip. 2,100,556; Nov. 30.
Van Llempt, Johannes A. M., Eindhoven, Netherlands, assignor to General Electric Company. Electric incandescent lamp. 2,100,886; Nov. 30.
Varley, Richard, St. George, Staten Island, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del. Interior telephone equipment. 2,100,887; Nov. 30.
Vereinigte Leichtmetall-Werke Gesellschaft mit beschrankter Haftung. (See Releaux, Otto, assignor.)
Viggers, Maggie T., Lafayette, Colo. Hair waver. 2,100,417; Nov. 30.
Vine, Oscar L., New York, N. Y. Collapsible paper funnel construction. 2,100,888; Nov. 30.
Voege, Max. (See Berger, A. F., and Voege.)
Voigt, Albert P. J., and L. M. Still, Galveston, Tex., assignor to Galveston Buckle Company. Buckle. 2,100,526; Nov. 30.
Von Ardenne, Manfred, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Television reception arrangement with Braun tubes. 2,100,704; Nov. 30.
Von der Linden, Ernst, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,100,400; Nov. 30.
Wachowski, George A., Flint, assignor of one-half to P. Koffman, Bay City, Mich. Steak tenderizing and dicing tool. 2,100,770; Nov. 30.
Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind. Method and apparatus and feeding thermoplastic material. 2,100,760; Nov. 30.
Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Power take-off attachment for motor vehicles. 2,100,677; Nov. 30.
Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Power take-off attachment for motor vehicles. 2,100,678; Nov. 30.
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Walter, Hans, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Electrical circuit with modulating or rectifying devices. 2,100,458; Nov. 30.
Walworth Patents, Inc. (See Cotton, Charles H., assignor.)
Walworth Patents Inc. (See Trott, Arthur J., assignor.)
Ward, Frank E., Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,100,367; Nov. 30.
Ware, Stanley D., London, England. Jigging machine for concentrating ores and other materials. 2,100,459; Nov. 30.
Warner & Swasey Company, The. (See Burger, W. J., and Mirossay, assignors.)
Warner & Swasey Company, The. (See De Graff, Wilbur C., assignor.)
Wassenhove, Antoine, Brussels, Belgium. Lock. 2,100,679; Nov. 30.
Watson, Lisle M., and R. F. Ternes, Detroit, Mich., and L. G. Budlong, Mount Vernon, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y. Apparatus for cutting tire molds. 2,100,461; Nov. 30.
Watson, William H., Bradford, assignor to Burberrys Limited, London, England. Wearing apparel. 2,100,991; Nov. 30.
Way, Walter R., Quincy, Mass. Closure for wall openings. 2,100,928; Nov. 30.
Wayman, Albert J., Youngstown, assignor of one-half to E. H. McClure, East Palestine, Ohio. Electric cable connecter. 2,100,824; Nov. 30.
Wean Engineering Co., The. (See McClure, Robert E., assignor.)
Weeldenburg, Johannes G., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Spinneret treatment in the manufacture of artificial silk. 2,100,581; Nov. 30.
Wehry, Oscar H., Rockford, Ill. Clothespin. 2,100,825; Nov. 30.
Weidman, Fred. (See Hasbrouck, John C., assignor.)
Weinhart, Theodore P., Ankeny, assignor of seventy-five percent to G. E. Kellogg, Des Moines, Iowa. Dolly for washing machines and the like. 2,100,929; Nov. 30.
Welch, Herman B., assignor to Amity Leather Products Co., West Bend, Wis. Combined billfold and key holder. 2,100,771; Nov. 23.
Welikanov, Alexander G., assignor to Shell Development Company, San Francisco, Calif. Orienting device for borehole deflecting tools. 2,100,418; Nov. 30.
Wellman, Charles E., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Hydraulic wheel cylinder brake. 2,100,462; Nov. 30.
Wendt, Terrence M. E. (See Hansen, S. S., and Wendt.)
Wenn, Floyd D., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Making pawl or detent means. 2,100,619; Nov. 30.
Western Electric Company. (See Laing, David A. S., assignor.)
Western Electric Company. (See Morris, Joseph C., assignor.)
Western Union Telegraph Company, The. (See Beardsley, B., and Creedon, assignors.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric Elevator Company. (See White, Kenneth M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, Rest R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bradshaw, William M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, John W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Jenks, Harold C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnson, Frederick B., assignor.)
Westinghouse Electric & Manufacturing Company. (See King, George E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mouromtseff, Ilia E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parsons, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Paulson, K., and Hurst, assignors.)
Westinghouse Electric & Manufacturing Company. (See Randall, Karl C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schofield, S. T., and Boden, assignors.)
Westinghouse Electric & Manufacturing Company. (See Swingle, Ralph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, Norman H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Willby, N. H., and Moses, assignors.)
Wexelberg, Clarence E., assignor to Briggs Manufacturing Company, Detroit, Mich. Water closet. 2,100,826; Nov. 30.
Weyman, James P., San Antonio, Tex. Handkerchief simulation. 2,100,368; Nov. 30.
Wheaton, T. C., Co. (See Redman, Allen B., assignor.)
Wheeler, Clarence N. (See Mayeen, Othmar, assignor.)
Whelen, Myron S., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of amino-halogen anthraquinones. 2,100,527; Nov. 30.
White, Gerald, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Tong. 2,100,497; Nov. 30.
White, James F. (See Taylor, M. C., and White.)
White, Jesse H. (See Karl, E. W., and White.)
White, Kenneth M., Tenafly, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Timing system. 2,100,726; Nov. 30.
White, Thomas U., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Signal control circuits. 2,100,498; Nov. 30.
White, Walter A. (See Jones, R. P., and White.)
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Textile materials and making same. 2,100,369; Nov. 30.
Whitehead, William F., Bassfield, Miss. Harrow. 2,100,499; Nov. 30.
Whitmer, Joe V., Los Angeles, Calif. Attachment for type casting machines. 2,100,528; Nov. 30.
Wickman, Axel C., Coventry, England. Speed changing mechanism. 2,100,889; Nov. 30.
Wicks, Max A. (See Moore, D. F., and Wicks.)
Wiedbrauck, Erich, Essen-Ruhr, assignor to Chemische Fabrik Buckau, Ammendorf (Saalkreis), Germany. Production of potassium formate. 2,100,827; Nov. 30.
Wik, Simon N. (See Bent, F. A., Wik, and Ponig.)
Wildhaber, Ernest, and A. H. Candee, assignors to Gleason Works, Rochester, N. Y. Producing tapered gears. 2,100,705; Nov. 30.
Willard Storage Battery Company. (See Orsino, Joseph A., assignor.)
Willard Storage Battery Company. (See Rolph, Samuel W., assignor.)
Willby, Norman H., Irwin, and G. L. Moses, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,100,727; Nov. 30.
Willby, Norman H., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,100,728; Nov. 30.
Williams, Ira, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vulcanization of rubber. 2,100,370; Nov. 30.
Williams, Shepp A., Bristol, Va. Casket placer. 2,100,582; Nov. 30.
Wilson, Arthur, Silloth, assignor to J. & W. Maxwell Limited, Carlisle, England. Apparatus for preparing superphosphate. 2,100,583; Nov. 30.
Winchester Repeating Arms Company. (See Pugsley, Edwin, assignor.)
Wingfoot Corporation. (See Swain, J. G., and Woodward, assignors.)
Winnek Stereoscopic Processes, Incorporated. (See Coffey, Douglas F. W., assignor.)
Winskill, John W., Widecombe, Barming Woods, Maidstone, England. Multi-ply paper sack. 2,100,828; Nov. 30.
Wintritz, George, Springdale, Conn., assignor to Hookless Fastener Company. Separable fastener. 2,100,557; Nov. 30.
Wirrer, Gottfried, and W. E. Day, Jr., Plainfield, N. J., assignors to Mack Manufacturing Corporation, Long Island City, N. Y. Valve insert. 2,100,620; Nov. 30.
Wirth, Emil H., Wirkmaschinenfabrik. (See Wirth, Emil H., assignor.)
Wirth, Emil H., Hartmannsdorf, assignor to the firm Emil Wirth, Wirkmaschinenfabrik, Hartmannsdorf, near Chemnitz, Germany. Thread delivery device for warp knitting machines. 2,100,680; Nov. 30.
Witherow, William P. (See Henderson, Albert, assignor.)
Witkower, Max, Santa Monica, Calif. Brassière. 2,100,890; Nov. 30.
Wohlfarth, Walter W., San Francisco, assignor to A. T. Ashjian and J. B. Sweet, Fresno, Calif. Vehicle construction. 2,100,463; Nov. 30.
Wollack, Kurt. (See Hoefert, R., and Wollack.)
Woodall Industries Incorporated. (See Randall, Meredith S., assignor.)
Woodall Industries, Incorporated. (See Zinser, Paul R., assignor.)
Woodhead, Harry, R. A. Plumb, and T. A. Sindelar, Cleveland, assignors to Truscon Steel Company, Youngstown, Ohio. Refrigerator structure. 2,100,992; Nov. 30.
Woodruff, Albert E., Oak Park, and H. Sengebusch, Villa Park, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone unit. 2,100,500; Nov. 30.
Woodward, Alva W. (See Swain, J. G., and Woodward.)
Woolsey, Ernest L., Council Bluffs, Iowa. Mail pouch catcher. 2,100,529; Nov. 30.
Woolsey, Ernest L., Council Bluffs, Iowa. Lock for mail catcher arm supporting bars. 2,100,530; Nov. 30.
World Bestos Corporation. (See Nanfeldt, William, assignor.)
Wright, Jesse C., Los Angeles, Calif. Drill collar for well drilling strings. 2,100,419; Nov. 30.
Wright, Jesse C., Los Angeles, Calif. Drill collar for drilling strings. 2,100,420; Nov. 30.
Wuebben, Bernard H. (See Ripsch, C. W., and Wuebben.)
Wuertz, Alexander J., Carrollville, and W. Dettwyler, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Mixed chloro-fluoro anthraquinone acridones. 2,100,531; Nov. 30.
Wuertz, Alexander J., Carrollville, and W. Dettwyler, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluoro compounds of anthraquinone-2,1-benzacridone. 2,100,532; Nov. 30.
Wuertz, Alexander J., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of 1-aminoanthraquinone 2-phenol azomethine. 2,100,533; Nov. 30.
Wünsch, Guido, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. Altitude measuring apparatus. 2,100,706; Nov. 30.
Wupper, Benjamin F., Park Ridge, Ill. Game. 2,100,421; Nov. 30.
Wylie, Robert, Corvallis, Oreg. Roller skate. 2,100,584; Nov. 30.
Wyssbrod, Herman, Louisville, Ky. Preserving and wrapping cheese. 2,100,422; Nov. 30.
Yale & Towne Manufacturing Company, The. (See Bennett, Maurice D., assignor.)
Young, Harold M., et al. (See Hartman, Thomas L., assignor.)
Young, Leonard A., assignor, by mesne assignments, to Automobile Ventilation, Inc., Detroit, Mich. Draftless ventilating window. 2,100,829; Nov. 30.
Youngstown Steel Door Company, The. (See Lute, Carl, assignor.)
Zeigler, Maxwell T., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif. Delivery mechanism for ice vending machines. 2,100,423; Nov. 30.
Zeigler Packaged Ice Machinery Corporation. (See Zeigler, Maxwell T., assignor.)
Zeiss, Carl. (See Herrmann, Carl, assignor.)
Zellstoffabrik Waldhof. (See Claus, Walter, assignor.)
Zimmerman, Herman W., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill. Piston fixture. 2,100,534; Nov. 30.
Zinser, Paul R., assignor to Woodall Industries, Incorporated, Detroit, Mich. Drawing fibrous thermoplastic sheet material. 2,100,891; Nov. 30.
Zivanow, Dimitrije M., New York, N. Y. Airtight cover releaser for containers. 2,100,538; Nov. 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid sulphates and the like compounds, Packing. L. Löwenstein. 20,563; Nov. 30.
Chair back. C. C. Adelsperger. 20,559; Nov. 30.
Clutch and brake control, Combined. E. G. Staude. 20,565; Nov. 30.
Heating unit, Electrical. E. L. Wiegand. 20,566; Nov. 30.
Lubricator, Journal. H. B. Cunningham and J. W. Tucker. 20,562; Nov. 30.
Product packaging. L. L. Salfisberg. 20,564; Nov. 30.
Rubber articles, Curing. F. L. Bucy and V. A. La Rock. 20,561; Nov. 30.
Saw tooth, Abrasive. F. Bley. 20,560; Nov. 30.

LIST OF DESIGN INVENTIONS

Ashtray. G. R. Debnam. 107,219; Nov. 30.
Automobile. C. B. Stevens. 107,268; Nov. 30.
Automobile and trailer, Combined. H. G. Schaefer. 107,266; Nov. 30.
Bedspread. C. M. Jones. 107,292; Nov. 30.
Board, Food cutting. L. M. Luteran and A. P. Brunell. 107,246; Nov. 30.
Bottle. J. H. Funkey. 107,225–6; Nov. 30.
Bottle. G. D. Runnels. 107,261; Nov. 30.
Box, File display. R. C. R. Noren. 107,251; Nov. 30.
Bracelet, Watch. J. Sand. 107,264–5; Nov. 30.
Button. A. Stark. 107,267; Nov. 30.
Canopy. L. Vavrik. 107,273; Nov. 30.
Case, Piano. W. M. Day. 107,289; Nov. 30.
Case, Vanity. A. Most and J. Fogel. 107,249; Nov. 30.
Chair. J. D. Rogers. 107,282; Nov. 30.
Chair, Rocking. L. Vavrik. 107,271; Nov. 30.
Charm or similar article, Fraternal. W. E. Holler. 107,232; Nov. 30.
Christmas tree, Illuminated artificial. O. Charette. 107,217; Nov. 30.
Comb and curler, Combined hair. Z. Stinson. 107,283; Nov. 30.
Comb and manicuring implement, Combination. H. J. Suhadolc. 107,284; Nov. 30.
Curtain. G. F. Erhard. 107,290; Nov. 30.
Dress. I. Bucholz. 107,295–7; Nov. 30.
Dress. E. Fisk. 107,299; Nov. 30.
Dress. H. Goldman. 107,300; Nov. 30.
Dress. A. Kaplan. 107,301–2; Nov. 30.
Dress. H. Kushner. 107,303; Nov. 30.
Dress. I. Lampel. 107,279; Nov. 30.
Dress. L. Penaroli. 107,298; Nov. 30.
Dress. C. M. Santore. 107,304; Nov. 30.
Dress. J. Sohmer. 107,305–6; Nov. 30.
Fabric, Brocatelle. E. Ericson. 107,224; Nov. 30.
Fabric, Textile. W. F. Kaplan. 107,239; Nov. 30.
Feeder, Multiple trough outdoor weatherproof. H. R. Ray. 107,280; Nov. 30.
Feeder, Outdoor weatherproof. H. R. Ray. 107,281; Nov. 30.
Flashlight. O. T. Wood. 107,274; Nov. 30.
Floor covering, Textile. W. O. Dewsbury. 107,220–1; Nov. 30.
Floor covering, Textile. W. O. Dewsbury. 107,276–7; Nov. 30.
Frame for a railway coach or bus chair, Upholstery supporting. W. R. Elsey. 107,223; Nov. 30.
Frame, Glider. L. Vavrik. 107,272; Nov. 30.
Game apparatus, Putting. F. W. Preece. 107,254; Nov. 30.
Glove, Archer's. F. B. Bear. 107,294; Nov. 30.
Guard for a bicycle, Skirt. H. L. Kraeft. 107,241; Nov. 30.
Handbag. I. Pichel. 107,293; Nov. 30.
Handbag, Lady's. M. Samuelson. 107,263; Nov. 30.
Handbag or the like. W. F. Bowen. 107,216; Nov. 30.
Hat. E. O. Crocker. 107,288; Nov. 30.
Heater unit, Air. M. M. Tilley. 107,270; Nov. 30.
Mat or similar article, Floor. W. G. Grossman and H. F. Carpenter. 107,278; Nov. 30.
Mattress. C. T. Stirratt. 107,269; Nov. 30.
Mounting plate, Coin chute. E. C. Grunig. 107,229; Nov. 30.
Ornament for Christmas trees, Tinsel. L. L. Raymond. 107,255–8; Nov. 30.
Padlock. C. H. Nehls. 107,250; Nov. 30.
Plaque. S. L. Hefter. 107,230–1; Nov. 30.
Rack, Real estate photograph display. H. W. Joline. 107,238; Nov. 30.
Roofing or siding. J. J. Batell. 107,209; Nov. 30.
Sanding machine. F. O. Albertson. 107,275; Nov. 30.
Scale. M. Garbell. 107,227; Nov. 30.
Shaver, Electric. H. Landsiedel. 107,243; Nov. 30.
Shoe. B. Benjamin. 107,211–2; Nov. 30.
Shoe. D. S. Cohen. 107,218; Nov. 30.
Shoe. A. Hurzeler. 107,233; Nov. 30.
Shoe. C. Kelly. 107,240; Nov. 30.
Shoe or similar article. D. E. Levin. 107,245; Nov. 30.
Shoe or similar article. M. Rosenston. 107,259–60; Nov. 30.
Skirt. J. Fuld. 107,291; Nov. 30.
Sole, Shoe. O. M. Pick. 107,253; Nov. 30.
Spectacle frame. M. R. McDanal. 107,247; Nov. 30.
Spread or similar article. C. S. Jacobs. 107,234–7; Nov. 30.
Stand, Picture frame. W. H. Ott. 107,252; Nov. 30.
Stand, Smoker's ash. J. I. Russakov. 107,262; Nov. 30.
Store. H. I. Kuebler. 107,242; Nov. 30.
Sweater. H. Boepple. 107,213–14; Nov. 30.
Tire. A. A. Thomas. 107,285–7; Nov. 30.
Tooth brush. L. Goodman. 107,228; Nov. 30.
Towel bar post or similar article. H. Lang. 107,244; Nov. 30.
Toy telephone. G. Dobrusin. 107,222; Nov. 30.
Vending machine. D. S. Bond. 107,215; Nov. 30.
Vending machine and scale, Combination. W. G. Behling 107,210; Nov. 30.
Wallpaper or similar article. J. R. Morgan. 107,248; Nov. 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF NOVEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. P. J. Huhn. 2,100,780; Nov. 30.
Adapter for incandescent bulbs. E. C. Smally. 2,100,984; Nov. 30.
Adjusting device, Audible indicating. H. F. Mossberg. 2,100,640; Nov. 30.
Advertising device, Mechanical. R. F. Andler. 2,100,690; Nov. 30.
Air and of fuel in automatic heavy-oil furnaces, Device for the combined control of the admission of. E. F. Schwander. 2,100,673; Nov. 30.
Air compressor. L. J. Michaels. 2,100,972; Nov. 30.
Air conditioning and house heating system, Combined. J. U. Fish. 2,100,474; Nov. 30.
Air conditioning system. R. L. Chapman. 2,100,834; Nov. 30.
Air conditioning system. O. M. Olson. 2,100,867; Nov. 30.
Aircraft. D. M. Berges. 2,100,934; Nov. 30.
Air deflecting device for automobiles. W. L. Morrison. 2,100,406; Nov. 30.
Air-flow ventilator. B. M. Green. 2,100,801; Nov. 30.
Alarm switch, Grain elevator. L. P. Dendel. 2,100,710; Nov. 30.
Alkali sub-silicates, Making. R. L. Davies. 2,100,944; Nov. 30.
Alternating current induction motor, Self-starting single phase. J. Larocca. 2,100,809; Nov. 30.
Altitude measuring apparatus. G. Wünsch. 2,100,706; Nov. 30.
Amino-halogen anthraquinones, Preparation of. M. S. Whelen. 2,100,527; Nov. 30.
Anchoring device. G. E. R. Saleb. 2,100,570; Nov. 30.
Animal clamp. E. Black. 2,100,730; Nov. 30.
Animal trap. H. A. Stilson. 2,100,363; Nov. 30.
Animal trap. H. A. Stilson. 2,100,925–6; Nov. 30.
Anode for electrolytic cells for the production of aluminium, Continuous. R. Trematore. 2,100,927; Nov. 30.
Antenna for automobiles, Radio. H. D. Geyer. 2,100,643; Nov. 30.
Antiseptic for the treatment of genitourinary infections. R. T. Kaupp. 2,100,781; Nov. 30.
Antiskid device. H. S. Fritts. 2,100,539; Nov. 30.
Apparatus for making branch connections. W. W. Trickey. 2,100,884; Nov. 30.
Apparatus for the separation of solid materials of different specific gravities. G. Raw. 2,100,670; Nov. 30.
Apparel, Wearing. W. H. Watson. 2,100,991; Nov. 30.
Apron. A. Quinn. 2,100,817; Nov. 30.
Aralkyl halides, Continuous process for production of. H. M. Spurlin. 2,100,822; Nov. 30.
Article of manufacture and making same. M. M. Brubaker. 2,100,377; Nov. 30.
Ash remover. C. F. Bowe. 2,100,937; Nov. 30.
Attachment for type casting machines. J. V. Whitmer. 2,100,528; Nov. 30.
Automobile lock. A. C. Mabee. 2,100,717–18; Nov. 30.
Baffle for rayon cake driers, Air. H. G. Black. 2,100,935; Nov. 30.
Bag and like tubing machine. F. G. Robinson. 2,100,519; Nov. 30.
Bag holder. A. E. Bennett. 2,100,501; Nov. 30.
Barge. A. J. Dawson. 2,100,472; Nov. 30.
Battery: *See*—
Storage battery.
Beam for horizontal chamber ovens, Leveling. P. van Ackeren. 2,100,759; Nov. 30.
Bearing: *See*—
Radial plain bearing.
Bedspring. L. H. Hamilton. 2,100,393; Nov. 30.
Belt, Surgical. A. B. Kendrick. 2,100,964; Nov. 30.
Beverage dispensing, Process and apparatus for. T. L. Hartman. 2,100,742; Nov. 30.
Bicycle lock. A. L. Porter. 2,100,917; Nov. 30.
Billfold and key holder, Combined. H. B. Welch. 2,100,771; Nov. 30.
Blind, Venetian. G. K. Bradfield, Jr. 2,100,625; Nov. 30.
Block: *See*—
Building block.
Blower or fan. A. Friedman. 2,100,439; Nov. 30.
Board and roost for poultry, Dropping. F. B. Herbert. 2,100,508; Nov. 30.
Bolt, Surface. G. R. Adams. 2,100,622; Nov. 30.
Book, Manifolding. J. R. Morrison. 2,100,814; Nov. 30.
Bottle emptying and beverage reclaiming device. J. H. Klintzele. 2,100,443; Nov. 30.
Bow. C. N. Hickman. 2,100,317; Nov. 30.
Box and blank therefor, Foldable. W. A. Ringler. 2,100,750; Nov. 30.

Box with centrifugally cast side walls, Carburizing. H. H. Harris. 2,100,902; Nov. 30.
Box with centrifugally cast side walls, Making a carburizing. H. H. Harris. 2,100,901; Nov. 30.
Brake: *See*—
Hydraulic wheel cylinder brake. Internal brake.
Brake adjustment. O. Rasmussen. 2,100,488; Nov. 30.
Brake applying and equalizing mechanism for motor cars. J. M. Macpherson and J. A. Stodgell. 2,100,563; Nov. 30.
Brake for motor vehicles, Automatic safety. J. S. MacMullen. 2,100,970; Nov. 30.
Brake lining, yarn, and making same, Woven. W. Nanfeldt. 2,100,347; Nov. 30.
Brake mechanism, Hand. R. C. O'Connor. 2,100,349; Nov. 30.
Brassière. M. Witkower. 2,100,890; Nov. 30.
Brassière and foundation garment. L. J. A. Amyot. 2,100,932; Nov. 30.
Braun tube. K. Schlesinger. 2,100,701; Nov. 30.
Bread slicing machine. C. H. Petskeyes. 2,101,010; Nov. 30.
Brooch and clips combination. G. Tavani. 2,100,554; Nov. 30.
Buckle. A. P. J. Voigt and L. M. Still. 2,100,526; Nov. 30.
Buckle, Back-band. C. Smallwood. 2,100,600; Nov. 30.
Buffing hood. G. H. Medart. 2,100,344; Nov. 30.
Buffing wheel. S. W. Lippitt. 2,100,340; Nov. 30.
Building block. S. W. Finch. 2,100,658; Nov. 30.
Building construction. B. E. Balduf. 2,101,001; Nov. 30.
Building construction. L. M. Parkhurst. 2,100,451; Nov. 30.
Burner: *See*—
Gas-burner.
Cabinet. L. A. M. Phelan and L. E. Koch. 2,100,871; Nov. 30.
Cabinet, Refrigerator. W. Marshall. 2,100,811; Nov. 30.
Cable clamp. H. A. Green. 2,100,777; Nov. 30.
Call transmitter. H. W. Goff. 2,100,390; Nov. 30.
Camera. L. F. Levy. 2,100,967; Nov. 30.
Camera, Photographic. Ö. Riszdorfer. 2,100,672; Nov. 30.
Can with integral air tube, Ice. W. R. Robinson. 2,100,521; Nov. 30.
Canteen. F. E. Anderson. 2,100,894; Nov. 30.
Cap construction, Carboy. P. Nelson. 2,100,450; Nov. 30.
Car door support. C. Lute. 2,100,784; Nov. 30.
Carpet and floor cleaner. B. Kern. 2,100,806; Nov. 30.
Carrier for motor vehicle transports, Skid. I. H. Judd. 2,100,694; Nov. 30.
Carton, Hinged. F. H. Groves. 2,100,644; Nov. 30.
Casket placer. S. A. Williams. 2,100,582; Nov. 30.
Catalytic reaction. M. Pier, W. Simon, and P. Jacob. 2,100,352; Nov. 30.
Cathode ray apparatus. R. Urtel. 2,100,618; Nov. 30.
Cellulose structure and preparing same, Regenerated. E. Kline. 2,100,398; Nov. 30.
Cellulosic materials, Blenching of. M. C. Taylor and J. F. White. 2,100,496; Nov. 30.
Cement articles, Apparatus and method of making expanded. 2,100,479; Nov. 30.
Cementing machine. C. Roberts. 2,100,452; Nov. 30.
Centrifugal separating machine and treating sludges. J. S. Pecker. 2,100,669; Nov. 30.
Chain applying device, Skid. T. P. Salley. 2,100,819; Nov. 30.
Chair and desk, Combined. M. M. Pickle and D. E. Parsons. 2,100,597; Nov. 30.
Charge forming device. H. A. Kelty. 2,100,511; Nov. 30.
Charge storage tube. P. T. Farnsworth. 2,100,842; Nov. 30.
Cheek piece for guns, Sliding. E. E. and H. L. Miller. 2,100,514; Nov. 30.
Cheese, Preserving and wrapping. H. Wyssbrod. 2,100,422; Nov. 30.
Chloro-fluoro anthraquinone acridones, Mixed. A. J. Wuertz and W. Dettwyler. 2,100,531; Nov. 30.
Chuck for camshafts and the like. W. F. Groene. 2,100,955; Nov. 30.
Cinder and ash remover. R. L. Beers. 2,100,682; Nov. 30.
Circuit breaker. F. B. Johnson. 2,100,743; Nov. 30.
Circuit breaker. K. C. Randall. 2,100,749; Nov. 30.
Circuit breaker. E. C. Raney. 2,100,788; Nov. 30.
Circuit breaker. R. H. Swingle. 2,100,757; Nov. 30.
Circuit breaker system, Automatic reclosing. A. E. Anderson. 2,100,893; Nov. 30.

Circuit, Electric valve. H. W. Lord. 2,100,863; Nov. 30.
Circuit interrupter. S. T. Schofield and S. H. Boden. 2,100,753; Nov. 30.
Circuit with modulating or rectifying devices, Electrical. H. Walter. 2,100,458; Nov. 30.
Circuits, Signal control. T. U. White. 2,100,498; Nov. 30.
Circuits, Tuning indicator. R. H. Siemens. 2,100,769; Nov. 30.
Clamp: *See*—
Animal clamp. Cable clamp.
Clamping and sealing device. L. J. Linde. 2,100,859; Nov. 30.
Cleaner: *See*—
Carpet and floor cleaner. Tank cleaner.
Cleaning apparatus and fluid circulating system therefor, Dry. L. Angelus and D. L. Baylis. 2,101,014; Nov. 30.
Clip: *See*—
Radiator cover clip.
Closure, Envelope. J. Schuknecht. 2,100,768; Nov. 30.
Closure for wall openings. W. R. Way. 2,100,928; Nov. 30.
Clothespin. O. H. Wehry. 2,100,825; Nov. 30.
Club and making same, Golf. C. W. Mansur. 2,100,864; Nov. 30.
Clutch: *See*—
Friction clutch. Overload clutch.
Clutch construction. J. A. Stahle. 2,100,362; Nov. 30.
Clutch mechanism for power operated portable tools. C. W. Ripsch and B. H. Wuebben. 2,100,552; Nov. 30.
Coach and sleeper, Convertible. L. W. Martin and A. E. Lehmann. 2,100,607; Nov. 30.
Coating apparatus. J. C. Morris. 2,100,405; Nov. 30.
Cocks, Making stop. E. F. Forrester. 2,100,438; Nov. 30.
Coffee maker. J. E. Marsden. 2,100,487; Nov. 30.
Coin selection program system. W. A. McCutcheon. 2,100,608; Nov. 30.
Combustion in internal combustion engines, Promoting. F. G. C. Bashford. 2,100,466; Nov. 30.
Composition and drying of the same. W. J. Koenig. 2,100,484; Nov. 30.
Condensation products of 1-aminoanthraquinone 2-phenol azomethine. A. J. Wuertz. 2,100,533; Nov. 30.
Condensation products of carbenium compounds and preparing the same. W. Dilthey and F. Quint. 2,100,798; Nov. 30.
Connecter: *See*—
Electric cable connecter.
Connection for refrigeration systems, Equalizing. R. L. Sparks. 2,100,494; Nov. 30.
Contact mechanism, Clock controlled. R. E. McClure. 2,100,664; Nov. 30.
Container: *See*—
Lipstick container. Returnable shipping container.
Nonrefillable container.
Container. P. F. Boeye. 2,100,773; Nov. 30.
Container. J. Domershausen. 2,100,636; Nov. 30.
Container. R. I. Drake. 2,100,711; Nov. 30.
Container. E. A. Lenk. 2,100,858; Nov. 30.
Container. R. E. Read. 2,100,516; Nov. 30.
Container for hydraulic transmissions, Lateral fluid. D. Gössler. 2,100,440; Nov. 30.
Container machine. P. M. Gilfillan. 2,100,739; Nov. 30.
Containers, Making. A. S. Hirshman. 2,100,480; Nov. 30.
Containers with liquids, Device for filling. S. Saeta. 2,100,359; Nov. 30.
Control apparatus, Multiple. H. A. Thompson. 2,100,791; Nov. 30.
Control device. E. D. Schneider. 2,100,876; Nov. 30.
Control means. F. A. Mitchell. 2,100,609; Nov. 30.
Control system. E. H. Stivender. 2,100,364; Nov. 30.
Control system. L. A. Umansky. 2,100,653; Nov. 30.
Conveyer. A. De L. Sinden. 2,100,924; Nov. 30.
Conveyer, Belt. B. Beardsley and M. V. Creedon. 2,100,585; Nov. 30.
Cooler: *See*—
Furnace cooler.
Cooling system. E. V. Rippingille. 2,100,490; Nov. 30.
Cooling systems, Apparatus for. E. Tauer. 2,100,883; Nov. 30.
Core drill. A. C. Catland. 2,100,311; Nov. 30.
Corrosion resistance of aluminum alloys and products resulting therefrom, Increasing the. O. Reuleaux. 2,100,411; Nov. 30.
Cotter pin. B. C. Behnke. 2,100,896; Nov. 30.
Coupler, Pipe. L. H. Church. 2,100,796; Nov. 30.
Cover for furniture, Slip. A. Oppenheimer, Jr. 2,100,868; Nov. 30.
Cover releaser for containers, Airtight. D. M. Zivanow. 2,100,558; Nov. 30.
Crankcase assembly and making the same. L. G. Knapp. 2,100,603; Nov. 30.
Current control, Alternating. F. H. Shepard, Jr. 2,100,756; Nov. 30.
Curviform hollow articles from binder-impregnated water-laid felts, Manufacture. M. O. Schur. 2,100,651; Nov. 30.
Cutter for sheet material. M. E. Halstead. 2,100,846; Nov. 30.
Cutting device for buttonhole- or other sewing machines. H. Pudelko. 2,100,815; Nov. 30.
Cyanide process. L. D. Mills, T. B. Crowe, and J. C. Haun. 2,100,865; Nov. 30.
Damping device for indicating instruments. W. Brückel and K. Haas. 2,100,833; Nov. 30.
Decoy. G. A. Bates. 2,100,623; Nov. 30.
Deep well pump. F. W. Kennedy. 2,100,560; Nov. 30.
Deflector means for toilet mechanisms. C. T. Giblette. 2,100,950; Nov. 30.
Delivery mechanism for ice vending machines. M. T. Zeigler. 2,100,423; Nov. 30.
Dental or surgical instrument. H. J. Brown and G. E. Farrell. 2,100,319; Nov. 30.
Deodorizer. E. A. Kleb and J. C. Metzger. 2,100,764; Nov. 30.
Dextrose, Production of. J. K. Dale. 2,100,433; Nov. 30.
Dial for radio sets, Tuning. U. Quintavalle. 2,100,453; Nov. 30.
Die: *See*—
Screw threading die.
Die construction. E. A. Bierwirth. 2,100,683; Nov. 30.
Die structure. M. E. Halstead. 2,100,847; Nov. 30.
Dinitriles, Manufacture of ortho- and peri-aryl. R. P. Linstead and A. R. Lowe. 2,100,401; Nov. 30.
Dipper, Cream. S. Covalt. 2,100,471; Nov. 30.
Discharge apparatus, Electric. J. W. Dawson. 2,100,735; Nov. 30.
Dispenser and toothbrush holder, Combination dentifrice. H. Jacoby. 2,100,960; Nov. 30.
Display device. O. D. Jennings. 2,100,853; Nov. 30.
Display device. R. J. Mancuso. 2,100,403; Nov. 30.
Display rack. D. J. Maxin. 2,100,548; Nov. 30.
Dolly for washing machines and the like. T. P. Weinhart. 2,100,929; Nov. 30.
Door controlling mechanism. H. A. Baumgarten. 2,100,795; Nov. 30.
Doorknob, Glass. A. B. Redman. 2,100,818; Nov. 30.
Dowel structure. R. M. Roberts. 2,100,873; Nov. 30.
Draft control means for fireplaces. D. L. Cage. 2,100,732; Nov. 30.
Draft for fuel burners, Supplementary controlled. C. V. Martin. 2,100,547; Nov. 30.
Dress, Paper doll's. G. H. Emery. 2,100,386; Nov. 30.
Drier: *See*—
Rotary drier.
Drier. C. W. Greene. 2,100,441; Nov. 30.
Drill: *See*—
Core drill.
Drill. O. C. Snell. 2,100,615; Nov. 30.
Drill collar for drilling strings. J. C. Wright. 2,100,420; Nov. 30.
Drill collar for well drilling strings. J. C. Wright. 2,100,419; Nov. 30.
Drill hole cleansing means, Rock. E. G. Gartin. 2,100,949; Nov. 30.
Drill rotation means, Rock. E. G. Gartin. 2,100,324; Nov. 30.
Drive for calculating machines, bookkeeping machines, and the like. K. R. Heinitz. 2,100,804; Nov. 30.
Drum, Stacking. A. E. Jesser. 2,100,483; Nov. 30.
Duplicator. J. G. Brennan. 2,101,000; Nov. 30.
Dyes, Azo. J. I. Carr and C. K. Black. 2,100,378; Nov. 30.
Dyestuffs, Alkylarylanthraquinone. N. H. Haddock and C. H. Lumsden. 2,100,392; Nov. 30.
Dynamo-electric machines, System of control for. R. R. Baker. 2,100,761; Nov. 30.
Elastic strand. W. J. Fox. 2,100,003–4; Nov. 30.
Elastic suspension system. A. Dubonnet. 2,100,689; Nov. 30.
Electric cable connecter. A. J. Wayman. 2,100,824; Nov. 30.
Electric discharge apparatus. W. Dallenbach. 2,100,797; Nov. 30.
Electric discharge device. F. E. Ward. 2,100,367; Nov. 30.
Electric lamp. R. E. Smith. 2,100,879; Nov. 30.
Electric switch. V. R. Despard. 2,100,435; Nov. 30.
Electrode, Welding. H. W. Hiemke. 2,100,545; Nov. 30.
Electron discharge device. B. Salzberg. 2,100,723; Nov. 30.
Elevator gate. J. C. Tamsitt. 2,100,882; Nov. 30.
Elevator signaling system. W. F. Eames. 2,100,736; Nov. 30.
End construction for mine cars. W. V. Johnson and R. C. Kepner. 2,100,602; Nov. 30.
Energizing system. H. C. Jenks. 2,100,715; Nov. 30.
Engraving and related machines. G. Gorton and P. M. Henkes. 2,100,953; Nov. 30.
Esters and products, Preparing. H. A. Bruson. 2,100,993; Nov. 30.
Fabric: *See*—
Knitted fabric.
Fabric, Method of and machine for knitting. W. Coleman. 2,100,941; Nov. 30.
Fan. W. H. Howden. 2,100,481; Nov. 30.
Fan. E. L. Richardson. 2,100,489; Nov. 30.
Fan, Desk. W. M. Schwartz. 2,100,980; Nov. 30.
Fan with collapsible support. C. A. Schmidt and H. D. Bricher. 2,100,923; Nov. 30.
Fare receptacle. W. P. and F. D. Pitt. 2,101,011; Nov. 30.
Farming implement. F. B. Hemmert. 2,100,956; Nov. 30.

Fastener: *See*—
Snap fastener. Separable fastener.
Fastener. G. C. Lawson and C. Lindquist. 2,100,648; Nov. 30.
Fastening device for locking juxtaposed members together. F. G. Purinton. 2,100,816; Nov. 30.
Feed, Apparatus for manufacturing dried. W. L. McGehee and H. W. Luhnow. 2,100,907; Nov. 30.
Feed control, Motor operated. G. E. King. 2,100,745; Nov. 30.
Feeder: *See*—
Weighing feeder.
Feeder control mechanism. R. M. Hardgrove. 2,100,848; Nov. 30.
Feeding means, Weight controlled. E. E. Harper. 2,100,316; Nov. 30.
Fibers, Manufacture of wool-like artificial. W. Claus. 2,100,588; Nov. 30.
Film stretching device. S. S. Hansen and T. M. E. Wendt. 2,100,802; Nov. 30.
Film with low background noise, Making variable area sound. R. Görisch. 2,100,740; Nov. 30.
Filter: *See*—
Gas filter.
Filter. W. F. Glass and M. G. Sibley. 2,100,951; Nov. 30.
Filter. R. L. Irwine. 2,100,482; Nov. 30.
Filter surfaces, Cleaning of. H. A. Pond and E. E. Perry. 2,101,012; Nov. 30.
Filtering assembly for respirators. E. J. Biever. 2,100,374; Nov. 30.
Finish for fabrics of organic derivatives of cellulose. H. Platt. 2,100,408; Nov. 30.
Firearm, Take-down. E. Pugsley. 2,100,410; Nov. 30.
Fixture and wall unit with joints and trims therefor, Combination. J. H. Norris. 2,100,568; Nov. 30.
Flexible tube. U. Ciamberlini. 2,100,835; Nov. 30.
Flour, Conditioning of. W. E. Foster. 2,100,691; Nov. 30.
Flow control for urinals and the like. G. P. Gavin. 2,100,389; Nov. 30.
Fluid actuated device. O. Maycen. 2,100,343; Nov. 30.
Fluid meter. W. W. Stevenson. 2,100,495; Nov. 30.
Fluid transmission. W. P. Mason, G. T. Stanton, and J. E. Tweeddale. 2,100,404; Nov. 30.
Fluoro compounds of anthraquinone-2,1-benzacridone. A. J. Wuertz and W. Dettwyler. 2,100,532; Nov. 30.
Foldable seat. A. W. Rowe. 2,100,979; Nov. 30.
Food churning device, Motor driven. J. B. McFerran, Jr. 2,100,549; Nov. 30.
Form for making garments. A. N. Spánel. 2,100,578; Nov. 30.
Form for making latex articles. A. N. Spánel. 2,100,572; Nov. 30.
Form for making pouches. A. N. Spánel. 2,100,574; Nov. 30.
Form for making rubber articles. A. N. Spánel. 2,100,575–6; Nov. 30.
4-aminodiphenyl compounds. M. Harris. 2,100,803; Nov. 30.
Frame for vertical internal combustion engines, Welded box. F. Fohrer. 2,100,775; Nov. 30.
Frequency control, Automatic. N. P. Case. 2,100,733; Nov. 30.
Friction clutch. J. O. Almen and H. J. Kirschner. 2,100,464; Nov. 30.
Fruit and vegetable washer. R. M. J. Traynor. 2,100,675; Nov. 30.
Fruit splitter. C. W. Souther and H. S. Farnsworth. 2,100,455; Nov. 30.
Fruits, vegetables, and other products, Washing. F. W. Cutler. 2,100,942; Nov. 30.
Fuel injector pump. J. W. Berbman and R. L. Robiolio. 2,100,318; Nov. 30.
Fuel system for combustion engines. H. A. Trussell. 2,100,676; Nov. 30.
Funnel construction, Collapsible paper. O. L. Vine. 2,100,888; Nov. 30.
Furnace cooler. W. P. Chandler, Jr. 2,100,628; Nov. 30.
Furnace for treating phosphate material. S. Fischer. 2,100,843; Nov. 30.
Fuse link for expulsion fuses. A. G. Steinmayer. 2,100,413; Nov. 30.
Gain control. R. R. Blair. 2,100,375; Nov. 30.
Game. B. F. Wupper. 2,100,421; Nov. 30.
Garment. R. S. Oscard. 2,100,869; Nov. 30.
Garment, Body molding. H. A. and M. E. Smith. 2,100,986; Nov. 30.
Garment, Outer. A. K. Baer. 2,100,933; Nov. 30.
Gas administering machine. J. A. Heidbrink. 2,100,778; Nov. 30.
Gas burner. F. H. LeCompte. 2,100,995; Nov. 30.
Gas-burner, Safety. H. Arquint. 2,100,681; Nov. 30.
Gas filter. E. S. Paisley and A. F. Peters. 2,100,610; Nov. 30.
Gas quantities reduced to a normal condition, Apparatus for measuring and delivering. P. Rheinlander. 2,100,978; Nov. 30.
Gases of distillable carbonaceous materials, Treatment with hydrogenating. M. Pier, W. Simon, and G. Grassl. 2,100,354; Nov. 30.
Gate: *See*—
Elevator gate.
Gate valve. J. N. Moore. 2,100,996; Nov. 30.
Gauge: *See*—
Pressure gauge. Printer's miter gauge.
Gauge and method for controlling the current output of grid controlled glow discharge tubes, Electric. J. E. Specht. 2,100,460; Nov. 30.
Gears, Producing tapered. E. Wildhaber and A. H. Candee. 2,100,705; Nov. 30.
Generator: *See*—
Relaxation oscillation generator.
Generator regulation. R. H. Kaufmann. 2,100,854; Nov. 30.
Generator regulation. B. M. Leece. 2,100,905; Nov. 30.
Germicide and fungicide composition. C. Burwell. 2,100,469; Nov. 30.
Gettering vacuum tube. H. J. Miller and E. W. Schafer. 2,100,746; Nov. 30.
Gin. R. W. McLean. 2,100,786; Nov. 30.
Girt, Cork insert. A. O. Hurxthal. 2,100,959; Nov. 30.
Glass sheet supporting means. S. K. Kotowski. 2,100,512; Nov. 30.
Gloves and mittens for miner's use. A. F. Robertson. 2,100,401; Nov. 30.
Governor, Engine. R. Hufford. 2,100,805; Nov. 30.
Governor for turbines, Double. D. Thoma. 2,100,580; Nov. 30.
Grapple-fork. R. G. Ferris. 2,100,800; Nov. 30.
Grenade. E. G. Mörner. 2,100,698; Nov. 30.
Grille structure. C. T. Perkins. 2,100,767; Nov. 30.
Grinder and sharpener attachment for meat grinders. A. J. Kirkland. 2,100,808; Nov. 30.
Guard, Fan. J. H. Cohen. 2,100,994; Nov. 30.
Guard for children's toilet seats. C. T. De Puy and W. C. Baxter. 2,100,774; Nov. 30.
Gun mount, Machine. D. A. Taylor. 2,100,790; Nov. 30.
Hair curler. W. H. Hermsdorf. 2,100,850–1; Nov. 30.
Hair waver. M. T. Viggers. 2,100,417; Nov. 30.
Hair waving apparatus. J. B. Copenhefer. 2,100,538; Nov. 30.
Handkerchief simulation. J. P. Weyman. 2,100,368; Nov. 30.
Harrow. W. F. Whitehead. 2,100,499; Nov. 30.
Hatch frame construction for car roofs. D. W. Hawksworth. 2,100,903; Nov. 30.
Head lamp, Nonglare. E. Olsson. 2,100,913; Nov. 30.
Heater. V. S. Beck. 2,100,772; Nov. 30.
Heater. K. S. Papoutsis. 2,100,766; Nov. 30.
Heating apparatus. V. S. Beck. 2,100,373; Nov. 30.
Heating apparatus. F. H. Cornelius. 2,100,687; Nov. 30.
Heating system, Liquid circulation. J. A. Reavell. 2,100,671; Nov. 30.
Hinge. A. Enaslin. 2,100,473; Nov. 30.
Hoist, Convertible. F. E. Stahl. 2,100,674; Nov. 30.
Holder: *See*—
Bag holder. Twine holder.
Log strap holder. Washrag holder.
Milk bottle holder.
Holder and method for knitting, crocheting, and analogous purposes. R. K. Fisher. 2,100,388; Nov. 30.
Hook: *See*—
Reed hook.
Horticultural implement. W. F. Cervenka and F. Miller. 2,100,379; Nov. 30.
Humidifier. S. E. Schroeder. 2,100,454; Nov. 30.
Hydrant, Fire. H. M. Lofton. 2,100,862; Nov. 30.
Hydraulic wheel cylinder brake. C. E. Wellman. 2,100,462; Nov. 30.
Hydrocarbon derivatives, Production of anhydrous. W. Engs and G. H. van de Griendt. 2,100,437; Nov. 30.
Hydrocarbons, Cracking. A. P. Sachs. 2,100,922; Nov. 30.
Hydrocarbons of low boiling point, Production of. M. Pier and E. Donath. 2,100,353; Nov. 30.
Ice, Equipment for making artificial. W. R. Robinson. 2,100,520; Nov. 30.
Identification device for automobiles. J. Rentler. 2,100,598; Nov. 30.
Image analysis tube. P. T. Farnsworth. 2,100,841; Nov. 30.
Implement, Combination. J. B. Doolittle. 2,100,637; Nov. 30.
Implement for cutting cable sheaths. J. B. Doolittle. 2,100,638; Nov. 30.
Impulse sender mechanism. O. Rinkow. 2,100,518; Nov. 30.
Incandescent lamp, Electric. J. A. M. van Liempt. 2,100,886; Nov. 30.
Indicator. E. C. Horton. 2,100,334; Nov. 30.
Insect trap. J. Lambert. 2,100,966; Nov. 30.
Insecticide. L. E. Smith and H. V. Claborn. 2,100,493; Nov. 30.
Insulating construction. C. J. Beckwith. 2,100,624; Nov. 30.
Intaglio printing elements and producing the same. W. N. Misuraca. 2,100,346; Nov. 30.
Internal brake. C. W. Naylor. 2,100,973; Nov. 30.
Interpolymerization products, Production of. H. Fikentscher and J. Hengstenberg. 2,100,900; Nov. 30.
Invalid lifter. R. D. Maddox. 2,100,663; Nov. 30.
Iron, Marcel. E. Clein. 2,100,633; Nov. 30.
Jack: *See*—
Pump jack.
Jacket. Recirculating water. I. E. Mouromtseff. 2,100,747; Nov. 30.

Jacquard mechanism for textile machine employing such mechanism. H. Goodley. 2,100,952; Nov. 30.
Jigging machine for concentrating ores and other materials. S. D. Ware. 2,100,459; Nov. 30.
Joint: *See*—
Step joint.
Knitted fabric. E. C. Lockhead. 2,100,861; Nov. 30.
Knitting machine. R. H. Lawson. 2,101,005; Nov. 30.
Knitting machine. M. C. Miller. 2,100,345; Nov. 30.
Knob attaching means. A. W. Nelson. 2,100,567; Nov. 30.
Lacquer solvent and thinner. F. A. Bent, S. N. Wik, and W. Ponig. 2,100,425; Nov. 30.
Ladder protector, Adjustable nonslip. P. Ringman. 2,100,918; Nov. 30.
Ladle, Covered. M. W. Goldberg and W. W. Drissen. 2,100,713; Nov. 30.
Lamp: *See*—
Electric lamp. Incandescent lamp.
Head lamp.
Latch for safety hooks. R. K. Hertel. 2,100,779; Nov. 30.
Latex article, Flat sheet. A. N. Spánel. 2,100,573; Nov. 30.
Latex sheeting, Method and apparatus for making relatively long lengths of. A. N. Spánel. 2,100,577; Nov. 30.
Lever and resilient mount therefor, Gear shift. H. D. Geyer. 2,100,642; Nov. 30.
Lift, Automobile. E. B. Thompson. 2,100,617; Nov. 30.
Lifter: *See*—
Invalid lifter.
Light and fire alarm casing, Combined. A. Merdan. 2,100,908; Nov. 30.
Light beam transmission system. A. McL. Nicolson. 2,100,348; Nov. 30.
Light modulating cell. S. Clothier and H. C. Hogencamp. 2,100,836; Nov. 30.
Lighting system, Automatic safety. J. W. Lackey. 2,100,695; Nov. 30.
Liner for bearings. O. E. Harder. 2,100,314; Nov. 30.
Lining for vessels. H. R. Austin. 2,100,895; Nov. 30.
Lipstick container. E. C. Anderson. 2,100,999; Nov. 30.
Liquid dispensing apparatus. L. W. Valentine. 2,100,990; Nov. 30.
Liquid purifier. C. G. Hawley. 2,100,661; Nov. 30.
Lock: *See*—
Automobile lock. Bicycle lock.
Lock. A. Wassenhove. 2,100,679; Nov. 30.
Lock for mail catcher arm supporting bar. E. L. Woolsey. 2,100,530; Nov. 30.
Locking and supporting means for doors, Combined. A. Haberstump. 2,100,591; Nov. 30.
Locking device for attaching a part having a bore to a shaft. H. Styri. 2,100,725; Nov. 30.
Locking system. M. D. Bennett. 2,100,897; Nov. 30.
Loupe. J. F. Coleman. 2,100,940; Nov. 30.
Lubricating composition. G. S. Cavanaugh. 2,100,685; Nov. 30.
Lug strap holder. H. Shealy. 2,100,820; Nov. 30.
Lure, Artificial. M. D. Keyser. 2,100,963; Nov. 30.
Macaroni trimming and drying apparatus. L. Sim. 2,100,821; Nov. 30.
Machine and method for making manifold forms. G. L. Fulk. 2,100,776; Nov. 30.
Machine for assembling cap valves for containers. A. L. Kronquest. 2,100,596; Nov. 30.
Machine tool. W. J. Burger and C. M. Mirossay. 2,100,899; Nov. 30.
Machine tool. W. C. De Graff. 2,100,945; Nov. 30.
Mail pouch catcher. E. L. Woolsey. 2,100,529; Nov. 30.
Manifolding device. M. C. Stern and W. C. Pfeiffer. 2,100,579; Nov. 30.
Mask and button type pad, Face. W. A. Schutt. 2,100,553; Nov. 30.
Masonry, Dry. E. Honigmann and F. Bruckmayer. 2,100,958; Nov. 30.
Material, Method and apparatus for feeding thermoplastic. F. L. O. Wadsworth. 2,100,760; Nov. 30.
Material and making, Pneumatic sheet. J. J. Sindler. 2,100,492; Nov. 30.
Material applying apparatus, Powdered. D. A. S. Laing. 2,100,399; Nov. 30.
Material feeding mechanism. C. E. Harrison. 2,100,741; Nov. 30.
Material in heat treatment of liquids not miscible with the molten material, Method and apparatus for utilizing molten. W. O. Pray. 2,100,355; Nov. 30.
Mattress tufting machine. W. B. Foster. 2,100,844; Nov. 30.
Measuring device, Illuminated. F. H. Scantlebury. 2,100,875; Nov. 30.
Mechanism for the automatic selection and operation of flat knitting machine thread carrier bars. J. Phillips. 2,100,611; Nov. 30.
Medicinal carrying tube. V. H. Spensley. 2,100,456; Nov. 30.
Merchandising machine and apparatus. P. P. Scheurer. 2,100,752; Nov. 30.
Metal articles, Testing. H. L. Pettersson. 2,100,977; Nov. 30.
Metal building structure. G. P. Hoffman. 2,100,957; Nov. 30.
Metal, Ferrous. M. J. Conway. 2,100,537; Nov. 30.
Meter: *See*—
Fluid meter. Spark meter.
Meter casing, Polyphase. W. M. Bradshaw. 2,100,731; Nov. 30.
Milk bottle holder. H. D. Cole. 2,100,589; Nov. 30.
Milk, Pasteurization of. B. E. Getchell. 2,100,326; Nov. 30.
Mill: *See*—
Mixing and grinding mill.
Mill and classifier. J. Crites. 2,100,734; Nov. 30.
Mining apparatus. J. F. Joy. 2,100,336; Nov. 30.
Mining apparatus. C. F. Osgood. 2,100,350; Nov. 30.
Mining machine. L. E. Simmons. 2,100,361; Nov. 30.
Mirror for vehicles. L. L. Brandt. 2,100,938; Nov. 30.
Mite killer attachment for bird cage perches. F. Mayer. 2,101,008; Nov. 30.
Mixing and grinding mill. O. Schulthess and C. Theller. 2,100,599; Nov. 30.
Mold for making hollow articles from plastic materials. K. Bratring. 2,100,832; Nov. 30.
Molding apparatus. E. C. Smally. 2,100,985; Nov. 30.
Molds, Apparatus for cutting tire. L. M. Watson, R. F. Ternes, and L. G. Budlong. 2,100,461; Nov. 30.
Motor: *See*—
Alternating current induction motor. Outboard motor.
Pressure fluid motor.
Motor compressor. W. D. Drysdale. 2,100,799; Nov. 30.
Motor-compressor unit for refrigerating apparatus. C. E. L. Lipman. 2,100,716; Nov. 30.
Motor control system. N. H. Willby. 2,100,728; Nov. 30.
Motor control system. N. H. Willby and G. L. Moses. 2,100,727; Nov. 30.
Mounting, Cutter. P. C. Efromson. 2,100,640; Nov. 30.
Mounting for slicer blades. D. M. Fincke. 2,101,002; Nov. 30.
Mounting, Instrument. P. Kollsman. 2,100,604; Nov. 30.
Mounting, Sash. C. H. Talbot and A. Peters. 2,100,616; Nov. 30.
Mounting, Wheel and rim. J. G. Swain and A. W. Woodward. 2,100,654; Nov. 30.
Mower, Gang lawn. A. F. Moyer. 2,100,910; Nov. 30.
Multiband inductance unit. W. Lyons. 2,100,402; Nov. 30.
Necktie. J. B. Loeb. 2,100,696; Nov. 30.
Necktie. E. R. and N. M. Petrie. 2,100,870; Nov. 30.
Nonrefillable container. M. Sigman. 2,100,983; Nov. 30.
Nozzle channel construction. G. Schaper. 2,100,360; Nov. 30.
Nozzle for extruding machines. W. L. MacKenzie. 2,100,342; Nov. 30.
Nut blank, Castellated. W. M. Rosborough. 2,100,357; Nov. 30.
Observation chamber for flowing liquids. L. C. Roess and C. E. Cummings. 2,100,919; Nov. 30.
Oil applicator. N. R. Kelly. 2,100,855; Nov. 30.
Oils, Conversion of hydrocarbon. J. B. Held. 2,100,849; Nov. 30.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,100,414; Nov. 30.
Oils, Dewaxing petroleum. A. L. Lyman and M. M. Holm. 2,100,662; Nov. 30.
Oils, Refining of mineral. S. S. Bhatnagar. 2,100,707; Nov. 30.
Oils, Solvent extraction of. U. B. Bray. 2,100,429; Nov. 30.
Oleomargarine, Manufacture of. H. A. Morris. 2,100,866; Nov. 30.
Opening device. H. W. Lindgren. 2,100,339; Nov. 30.
Orienting device for borehole deflecting tools. A. G. Welikanov. 2,100,418; Nov. 30.
Outboard motor. F. T. Irgens. 2,100,559; Nov. 30.
Oven, Coking retort. J. Becker. 2,100,762; Nov. 30.
Oven, Continuous-vertical coking retort. P. Van Ackeren. 2,100,758; Nov. 30.
Oven for drying cable conductors, Portable. J. B. Doolittle and C. E. Morrison. 2,100,639; Nov. 30.
Overload clutch. A. J. Lippold. 2,100,562; Nov. 30.
Oxygen cutting apparatus. G. M. Deming. 2,100,384; Nov. 30.
Panel assembly, Trim. W. Marshall. 2,100,812; Nov. 30.
Paper articles, Manufacture of printed. H. M. Russell and M. H. Sidebotham. 2,100,522; Nov. 30.
Paper cutting apparatus. W. S. Aiken. 2,100,930; Nov. 30.
Parachute pack fastening and releasing mechanism. L. L. Irvin. 2,100,693; Nov. 30.
Pasteurizing apparatus. B. E. Getchell. 2,100,330; Nov. 30.
Pasteurizing process, Electrical. B. E. Getchell. 2,100,328; Nov. 30.
Pasteurizing system. B. E. Getchell. 2,100,327; Nov. 30.
Pasteurizing system, etc. B. E. Getchell. 2,100,329; Nov. 30.
Pawl or detent means, Making. F. D. Wenn. 2,100,619; Nov. 30.
Peeler, Vegetable. W. E. Urschel. 2,100,793; Nov. 30.
Pen. E. W. Karl and J. H. White. 2,100,647; Nov. 30.
Phenols, Catalytic hydrogenation of alkyl substituted. M. M. Brubaker and B. W. Howk. 2,100,468; Nov. 30.
Photography, Color. G. Heymer. 2,100,594; Nov. 30.
Photometer. F. H. Shepard, Jr. 2,100,755; Nov. 30.

Photo-sensitive apparatus. D. D. Knowles. 2,100,765; Nov. 30.
Picture machine, Moving. W. S. Boggs. 2,100,535; Nov. 30.
Pictures in relief, Apparatus for projecting. D. F. W. Coffey. 2,100,634; Nov. 30.
Pin: *See*—
Cotter pin.
Pinking mechanism for sewing machines. A. Spielman. 2,100,987; Nov. 30.
Pipe: *See*—
Smoking pipe.
Pipe blanks, Manufacture of. J. V. Caputo. 2,100,503; Nov. 30.
Piston. A. L. Nelson. 2,100,719; Nov. 30.
Piston. C. E. Sorensen. 2,100,525; Nov. 30.
Piston fixture. H. W. Zimmerman. 2,100,534; Nov. 30.
Pitman. R. Kuskie. 2,100,965; Nov. 30.
Plastic substances and product obtained, Making. J. C. Patrick. 2,100,351; Nov. 30.
Play pen for children, Portable. E. S. Swazey. 2,100,789; Nov. 30.
Plug: *See*—
Spark plug.
Pocket cigarette roller. E. E. Hollander. 2,100,397; Nov. 30.
Potassium formate, Production of. E. Wiedbranck. 2,100,827; Nov. 30.
Power take-off. J. R. Betts. 2,100,310; Nov. 30.
Power take-off attachment for motor vehicles. R. W. Wagner. 2,100,677–8; Nov. 30.
Power transmission. D. C. Prince. 2,100,748; Nov. 30.
Press: *See*—
Printing press.
Press bed lock-up. W. H. Ritenour. 2,100,356; Nov. 30.
Pressure control device. P. S. Russel. 2,100,997; Nov. 30.
Pressure fluid motor. E. G. Gartin. 2,100,325; Nov. 30.
Pressure fluid motor. E. G. Gartin. 2,100,540–1; Nov. 30.
Pressure fluid motor. M. C. Huffman. 2,100,904; Nov. 30.
Pressure gauge. H. Seegars. 2,100,754; Nov. 30.
Printer's miter gauge. C. F. Hanlon. 2,100,506; Nov. 30.
Printing. W. H. Engel. 2,100,436; Nov. 30.
Printing plate and making same, Paperboard. J. S. Royse and P. R. Turner. 2,100,358; Nov. 30.
Printing press. A. G. Jacobson. 2,100,852; Nov. 30.
Product for covering highway joints. W. C. Ferguson. 2,100,387; Nov. 30.
Propeller. J. C. Hasbrouck. 2,100,592; Nov. 30.
Protector: *See*—
Ladder protector.
Pulling stress and hydraulic pulling mechanism, Producing a. S. Mandl and E. M. Pfauser. 2,100,564; Nov. 30.
Pulp molding, Hydro-pneumatic. R. D. Heymann. 2,100,396; Nov. 30.
Pulp, Molding of. R. D. Heymann. 2,100,395; Nov. 30.
Pump: *See*—
Deep well pump. Fuel injection pump.
Pump construction. F. D'Alessandro. 2,100,943; Nov. 30.
Pump for gas and fluid mixtures, Self-priming impeller. A. C. Stratton. 2,100,365; Nov. 30.
Pump jack. W. P. Heffernan. 2,100,509; Nov. 30.
Pyrogenetic reactions, Method and apparatus for performing. C. A. Thomas. 2,100,823; Nov. 30.
Rack: *See*—
Display rack. Trotline rack.
Rack. J. B. Graham. 2,100,331; Nov. 30.
Rackets, Apparatus for stringing. L. C. Doll. 2,100,948; Nov. 30.
Radial plain bearing. N. A. Palmgren. 2,100,668; Nov. 30.
Radiator cover clip. D. I. Reiter. 2,100,551; Nov. 30.
Radio apparatus. L. A. Gould. 2,100,659; Nov. 30.
Radio receiving system. A. A. Linsell. 2,100,605; Nov. 30.
Radio tuning apparatus. D. H. Mitchell. 2,101,009; Nov. 30.
Rail bender. R. P. Joues and W. A. White. 2,100,961; Nov. 30.
Reamer. W. A. Abegg. 2,100,621; Nov. 30.
Reamer, Well. W. A. Abegg. 2,100,892; Nov. 30.
Receptacle: *See*—
Fare receptacle.
Record moving mechanism. F. E. Runge. 2,100,751; Nov. 30.
Reed hook. G. T. Buchanan. 2,100,536; Nov. 30.
Reflecting system for objectives of reproduction cameras. C. Herrmann. 2,100,442; Nov. 30.
Refrigerant feeding device, Restricted flow. L. M. Crosley and J. W. Dunn. 2,100,504; Nov. 30.
Refrigerator structure. H. Woodhead, R. A. Plumb, and T. A. Sindelar. 2,100,992; Nov. 30.
Register, Autographic. W. E. Oliver. 2,100,911–12; Nov. 30.
Register, Coin. M. Macdonald. 2,100,446; Nov. 30.
Regulator: *See*—
Steam pressure regulator.
Regulator for gas heating, Thermostatic. F. G. Crone. 2,100,709; Nov. 30.
Relaxation oscillation generator. K. Schlesinger. 2,100,700; Nov. 30.
Relaxation oscillations, Arrangement for producing. K. Schlesinger. 2,100,702; Nov. 30.
Rest for vehicle seats, Knee. W. W. Foster. 2,100,737; Nov. 30.
Returnable shipping container. R. C. Bender. 2,100,309; Nov. 30.
Rhythm in study of music, Device and method for acquiring. B. M. Lang. 2,100,857; Nov. 30.
Ridge ventilator. J. H. McDerment. 2,100,785; Nov. 30.
Ripper, Revolving. R. Killefer. 2,100,850; Nov. 30.
Roach trap, Automatic. A. Mora. 2,100,909; Nov. 30.
Rod and reel, Fishing. A. J. Bond. 2,100,428; Nov. 30.
Roller: *See*—
Pocket cigarette roller.
Roofing, Tile. H. Gimeno. 2,100,505; Nov. 30.
Rotary drier. C. O. Lavett. 2,100,444; Nov. 30.
Router. O. L. Munding. 2,100,566; Nov. 30.
Rubber and product produced thereby, Vulcanizing. M. W. Harman. 2,100,692; Nov. 30.
Rubber composition and making the same. G. S. Hiers. 2,100,714; Nov. 30.
Rubber or latex articles, Method of and apparatus for making. A. N. Spanel. 2,100,571; Nov. 30.
Rubber, Preservation of. R. L. Sibley. 2,100,998; Nov. 30.
Rubber, Vulcanization of. I. Williams. 2,100,370; Nov. 30.
Sack, Multi-ply paper. J. W. Winskill. 2,100,828; Nov. 30.
Safety device for aircraft and other conveyances. J. E. Torbert, Jr. 2,100,416; Nov. 30.
Safety electric switch, Temperature controlled. J. F. McCormack and J. R. Leonard. 2,100,665; Nov. 30.
Screen in a well, Apparatus for cleaning the. M. M. Kinley. 2,100,807; Nov. 30.
Screw threading die. M. A. Slotta. 2,100,724; Nov. 30.
Seal, Bearing. F. Leister and J. W. Smith. 2,101,013; Nov. 30.
Seat: *See*—
Foldable seat.
Seat and seat cover actuating mechanism for toilets. E. Lefkowitz. 2,100,906; Nov. 30.
Seat construction, Spring. H. C. Flint. 2,100,475–6; Nov. 30.
Seed cleaning machine. A. A. Frevert. 2,100,738; Nov. 30.
Separable fastener. G. Wintritz. 2,100,557; Nov. 30.
Series-parallel switch, Electric. A. F. Berger and M. Voege. 2,100,426; Nov. 30.
Shade, Venetian. C. H. Norton. 2,100,976; Nov. 30.
Sheet material, Drawing fibrous thermoplastic. P. R. Zinser. 2,100,891; Nov. 30.
Shield, Automatic glare. S. J. Blocker. 2,100,427; Nov. 30.
Shingle. J. H. Norrid. 2,100,699; Nov. 30.
Ship propulsion system, Electric. G. Ellis. 2,100,839; Nov. 30.
Shoe bottom coating machine. W. L. MacKenzie. 2,100,341; Nov. 30.
Shoe repair device. R. L. James. 2,100,335; Nov. 30.
Shoes, Manufacture of. J. W. Barna. 2,100,794; Nov. 30.
Shut-off valve, Emergency. W. W. Moore. 2,100,550; Nov. 30.
Shuttle, Loom. F. E. Douglas. 2,100,688; Nov. 30.
Sights of weapons, Device for blacking. D. M. Shoup. 2,100,982; Nov. 30.
Signal: *See*—
Vehicle direction signal.
Signal system. C. G. Sults. 2,100,881; Nov. 30.
Signaling system, Railway. P. H. Crago. 2,100,432; Nov. 30.
Silk, Manufacture of artificial. C. G. Jansen. 2,100,595; Nov. 30.
Sintering system. E. W. Shallock. 2,100,878; Nov. 30.
Skate, Roller. R. Wylie. 2,100,584; Nov. 30.
Skibinding. A. Müller. 2,100,666; Nov. 30.
Skylight. A. A. Kellogg. 2,100,782; Nov. 30.
Smoking pipe. G. L. Tanner. 2,100,988; Nov. 30.
Snap fastener. A. de Vries. 2,100,635; Nov. 30.
Soldering preparation. R. F. Nelson. 2,100,974; Nov. 30.
Soles, Manufacture of. E. L. Butler and J. Harrington, Jr. 2,100,430; Nov. 30.
Sound attenuating device. R. B. Bourne. 2,100,655; Nov. 30.
Sound-controlled actuating mechanism. G. H. Davis, Jr. 2,100,434; Nov. 30.
Sound recording. L. Neumann. 2,100,975; Nov. 30.
Spacer. W. S. Brink. 2,100,626; Nov. 30.
Spark meter. I. E. Coffey. 2,100,837; Nov. 30.
Spark plug. G. M. Browning. 2,100,320; Nov. 30.
Speed changing device. H. H. Bonn, Jr. 2,100,936; Nov. 30.
Speed changing mechanism. A. C. Wickman. 2,100,889; Nov. 30.
Speed transmission unit, Variable. C. E. Baker. 2,100,465; Nov. 30.
Spinneret treatment in the manufacture of artificial silk. J. G. Weeldenburg. 2,100,581; Nov. 30.
Splitting machine. T. B. Clarke and H. Boothroyd. 2,100,431; Nov. 30.

Spring structure. L. H. Hamilton. 2,100,543–4; Nov. 30.
Stabilizer structure for automobiles. H. L. Chisholm, Jr. 2,100,381; Nov. 30.
Starch, Manufacture of. A. H. Kelling. 2,100,744; Nov. 30.
Steak tenderizing and dicing tool. G. A. Wachowski. 2,100,770; Nov. 30.
Steam pressure regulator. C. M. Terry. 2,100,555; Nov. 30.
Step joint. C. A. Disbrow. 2,100,947; Nov. 30.
Stool, Milk. M. Severance. 2,100,877; Nov. 30.
Storage battery. J. W. Hess. 2,100,333; Nov. 30.
Storage battery. J. A. Orsino. 2,100,914; Nov. 30.
Storage battery. S. W. Rolph. 2,100,921; Nov. 30.
Strap device, Shoulder. V. A. Blakley and A. N. Lindenmuth. 2,100,708; Nov. 30.
Structure for supporting photoprinting apparatus, Unitary. W. H. Rogers. 2,100,920; Nov. 30.
Structure for supporting plaster coating. R. Phillips. 2,100,650; Nov. 30.
Substance increasing the blood pressure, Preparing a. G. Hessel and H. Maier. 2,100,593; Nov. 30.
Sulphur compounds, Manufacture of organic. L. Lilienfeld. 2,100,968; Nov. 30.
Sulphur dioxide recovery process. F. E. Townsend. 2,100,792; Nov. 30.
Superheterodyne receiving system. P. D. Lowell. 2,100,606; Nov. 30.
Superphosphate, Apparatus for preparing. A. Wilson. 2,100,583; Nov. 30.
Support: *See*—
Car door support.
Surface covering. H. F. Altheide. 2,100,830; Nov. 30.
Suspension arrangement for screw fan rotors. R. De Mey. 2,100,946; Nov. 30.
Suspension for vehicles. H. A. Knox. 2,100,338; Nov. 30.
Switch: *See*—
Alarm switch. Series-parallel switch.
Electric switch. Telephone switch.
Safety electric switch.
Switch. W. C. Edwards. 2,100,657; Nov. 30.
Switch mechanism. H. Sengebusch. 2,100,524; Nov. 30.
Switch operating mechanism. K. Paulson and R. O. Hurst. 2,100,722; Nov. 30.
Table and cabinet, Convertible. J. Fanarjian. 2,100,641; Nov. 30.
Tables, Construction of billiard. R. Seifert. 2,100,981; Nov. 30.
Tablet crushing and dispensing device. F. A. Lobley. 2,100,860; Nov. 30.
Tabulating machine. J. F. Donovan and F. J. Malloy. 2,100,656; Nov. 30.
Talking machine. C. Collaro and D. G. Lewin. 2,100,686; Nov. 30.
Tank and cab, Truck. A. Davis, Jr. 2,100,383; Nov. 30.
Tank cleaner. A. L. Morgan. 2,100,813; Nov. 30.
Tank loading apparatus, Truck. G. W. Chenicek. 2,100,380; Nov. 30.
Tap, Collapsible. F. Nell. 2,100,448; Nov. 30.
Tape for slide fasteners and the like, Corded. J. A. Hendley. 2,100,645; Nov. 30.
Tape machine. C. J. Shimer. 2,100,652; Nov. 30.
Taper-thread-cutting tool. A. F. Breitenstein. 2,100,376; Nov. 30.
Telemetering system. P. A. Borden. 2,100,467; Nov. 30.
Telephone equipment, Interior. R. Varley. 2,100,887; Nov. 30.
Telephone switch, Automatic. R. G. Richardson. 2,100,517; Nov. 30.
Telephone system. R. Hoefert and K. Wollack. 2,100,510; Nov. 30.
Telephone system. W. G. Patterson and R. G. Dixon. 2,100,515; Nov. 30.
Telephone system. E. von der Linden. 2,100,400; Nov. 30.
Telephone system, Automatic. N. H. Saunders and P. Bakker. 2,100,523; Nov. 30.
Telephone unit. A. E. Woodruff and H. Sengebusch. 2,100,500; Nov. 30.
Television reception arrangement with Braun tubes. M. von Ardenne. 2,100,704; Nov. 30.
Temperature-compensated device. H. J. Scott. 2,100,412; Nov. 30.
Textile and other materials, Treatment of. H. Dreyfus. 2,100,385; Nov. 30.
Textile material and a product thereof, Method of, apparatus for coating. C. Emmey. 2,100,712; Nov. 30.
Textile materials and making same. W. Whitehead. 2,100,369; Nov. 30.
Textile materials, Product for increasing the slip of. E. Franz and M. Hardtmann. 2,100,845; Nov. 30.
Thermometer, Clinical surface. L. G. Rowntree. 2,100,613; Nov. 30.
Thimble for rope slings. W. C. Russell. 2,100,569; Nov. 30.
Thread delivery device for warp knitting machines. E. H. Wirth. 2,100,680; Nov. 30.
Thread forming mechanism. F. Nell. 2,100,449; Nov. 30.
Threads, Making artificial. L. Lilienfeld. 2,100,969; Nov. 30.
Tie, Form. T. C. Schenk. 2,100,614; Nov. 30.
Timing system. K. M. White. 2,100,726; Nov. 30.
Tire inflation device. J. H. Cox. 2,100,321; Nov. 30.
Tire vulcanizing core. F. L. Bucy and V. A. La Rock. 2,100,627; Nov. 30.
Tong. G. White. 2,100,497; Nov. 30.
Tool: *See*—
Machine tool. Taper thread cutting tool.
Steak tenderizing and dicing tool.
Tool for making joints on tubular members, Hand. C. M. Brenner. 2,100,939; Nov. 30.
Tool of the percussion type, Electromagnetic. M. Greiner. 2,100,660; Nov. 30.
Towel dispensing apparatus. R. G. Birr and A. C. Grunwald. 2,100,729; Nov. 30.
Tower, Cooling. R. R. Pabodie. 2,100,667; Nov. 30.
Toy. O. Alvistur. 2,100,931; Nov. 30.
Toy airplane. S. C. Grady. 2,100,590; Nov. 30.
Toy, Dancing figure. R. Lohr. 2,100,486; Nov. 30.
Toy, Lung exercising. W. J. Bernett. 2,100,898; Nov. 30.
Toy, Moving. A. Barton. 2,100,372; Nov. 30.
Track construction, Automobile seat. C. T. Kramer. 2,100,546; Nov. 30.
Traffic control system. J. L. Barker. 2,100,831; Nov. 30.
Traffic control system. A. S. Fitz Gerald. 2,100,313; Nov. 30.
Trail builder. C. Le Blue. 2,100,445; Nov. 30.
Trailer. C. R. Potts. 2,100,612; Nov. 30.
Trailer hitch. L. L. Mahaffey. 2,100,447; Nov. 30.
Transformer, Buried type distribution. J. S. Parsons. 2,100,721; Nov. 30.
Transmission. R. Chilton. 2,100,629–32; Nov. 30.
Transmission. T. L. Fawick. 2,100,312; Nov. 30.
Transmission. W. T. Livermore. 2,100,810; Nov. 30.
Transmission, Automatic change speed. A. F. Marcott. 2,100,565; Nov. 30.
Trap: *See*—
Animal trap. Roach trap.
Insect trap.
Tray, Letter. J. H. Page. 2,100,720; Nov. 30.
Trotline rack. W. J. Kersenbrock. 2,100,763; Nov. 30.
Truck body, Automotive. B. F. Fitch. 2,100,323; Nov. 30.
Truck, Plate glass carrying. J. McDonald. 2,100,971; Nov. 30.
Trunk locker and shoe rack, Folding. R. Dailey. 2,100,322; Nov. 30.
Tube: *See*—
Braun tube. Gettering vacuum tube.
Charge storing tube. Image analysis tube.
Flexible tube. Medicinal carrying tube.
Tube and producing Braun tubes, Braun. S. Loewe. 2,100,697; Nov. 30.
Tube and producing the same, Braun. K. Schlesinger. 2,100,703; Nov. 30.
Tube thickener. G. O. Hillier. 2,100,646; Nov. 30.
Tubing and the like, Apparatus for coating the interior of. K. M. Chalker. 2,100,587; Nov. 30.
Tunnel, Drying. A. W. De Vout. 2,100,838; Nov. 30.
Twine holder. O. N. Tomlinson. 2,100,989; Nov. 30.
Tying machine. H. Harvey. 2,100,601; Nov. 30.
Typographical slug casting machine. A. S. Hayward. 2,100,507; Nov. 30.
Valve: *See*—
Gate valve. Shut-off valve.
Valve. C. H. Cotton. 2,100,470; Nov. 30.
Valve. A. J. Trott. 2,100,457; Nov. 30.
Valve. S. L. Tyler. 2,100,366; Nov. 30.
Valve for compressed air reservoirs and the like, Drain. P. A. Lindemann. 2,100,485; Nov. 30.
Valve for internal combustion engines, Exhaust. W. Kozlowski. 2,100,783; Nov. 30.
Valve insert. G. Wirrer and W. E. Day, Jr. 2,100,620; Nov. 30.
Valving assembly for hydraulic shock absorbers. R. F. Peo, C. F. Lautz, and G. M. Magrum. 2,100,407; Nov. 30.
Vehicle. V. W. Kliesrath. 2,100,561; Nov. 30.
Vehicle construction. W. W. Wohlfarth. 2,100,463; Nov. 30.
Vehicle construction, Motor. B. B. Bachman. 2,100,371; Nov. 30.
Vehicle direction signal. D. C. Porter. 2,100,409; Nov. 30.
Vehicle licensing system and tag therefor, Motor. C. E. Elmore. 2,100,840; Nov. 30.
Ventilating apparatus for toilets. G. Juntunen. 2,100,962; Nov. 30.
Ventilator: *See*—
Ridge ventilator.
Vise. L. E. Metshon. 2,100,513; Nov. 30.
Visor construction. M. S. Randall. 2,100,872; Nov. 30.
Vitreous compositions or glasses. H. G. Grimm and P. Huppert. 2,100,391; Nov. 30.
Vulcanizer, Full-circle tire retreading. L. O. Grange. 2,100,478; Nov. 30.
Wall or floor structure and securing means. Le R. B. Bachelder. 2,100,424; Nov. 30.
Washer: *See*—
Fruit and vegetable washer.
Washrag holder. A. Fritz and R. J. McCarthy. 2,100,477; Nov. 30.
Water closet. C. E. Wexelberg. 2,100,826; Nov. 30.

Waves and circuits therefor, Reception of frequency modulated. R. A. Heising. 2,100,394; Nov. 30.
Wax from hydrocarbon oil, Removal of. E. F. Pevere. 2,100,915; Nov. 30.
Wax from hydrocarbon oil, Removal of. E. F. Pevere and C. G. Ludeman. 2,100,916; Nov. 30.
Wear testing, measuring, and recording apparatus and method. E. F. Hathaway and W. Bixby. 2,100,332; Nov. 30.
Weatherstrip. V. E. Van Fleet. 2,100,556; Nov. 30.
Weaving device. T. B. Congdon and C. J. Long. 2,100,382; Nov. 30.
Weighing and feeding machine, Automatic. W. M. Ryan and J. W. Bold. 2,100,874; Nov. 30.
Weighing feeder. E. E. Harper. 2,100,315; Nov. 30.
Weld testing device. R. D. Campbell and W. Huebert. 2,100,502; Nov. 30.
Welding, Flash. N. R. Stansel. 2,100,880; Nov. 30.
Well bridging, cementing, whipstock, and milling apparatus. M. W. Carroll. 2,100,684; Nov. 30.
Well cementing device. H. G. Campbell. 2,100,586; Nov. 30.
Well reamer. C. J. Maher. 2,101,007; Nov. 30.
Wheel: *See*—
Buffing wheel.
Wheel truing device, Grinding. G. S. Gould and E. D. LaFleur. 2,100,954; Nov. 30.
Wheel with rubber-like tread. E. A. Grange and E. J. Schmidt. 2,100,542; Nov. 30.
Wheels, Producing metallic. J. T. Trumble. 2,100,885; Nov. 30.
Window, Draftless ventilating. L. A. Young. 2,100,829; Nov. 30.
Wood, and products therefrom, Process for fireproofing. D. F. Moore and M. A. Wicks. 2,100,787; Nov. 30.
Wood joining article. O. T. Theodorsen. 2,100,415; Nov. 30.
Yarn change mechanism for knitting machines. R. H. Lawson and A. Gagne. 2,101,006; Nov. 30.
Zirconium oxide opacifier and making same. C. J. Kinzie. 2,100,337; Nov. 30.

CLASSIFICATION OF PATENTS

ISSUED NOVEMBER 30, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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Patents Nos. 2,097,426 to 2,098,212

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Adjudicated Patents

(D. C. Calif.) Angle patent, No. 1,584,501, for orthodontic appliance, *Held* valid and infringed. *Angle* v. *Richardson*, 19 F. Supp. 1002.

(D. C. Calif.) Richardson and Boyd patent, No. 1,976,141, for method of producing orthodontic band brackets, claim 2 *Held* valid and infringed. *Id.*

Transfer of Classes

ORDER No. 3409

U. S. PATENT OFFICE, *Washington, D. C., Oct. 20, 1937.*

The following transfers, to take effect Monday, October 25, 1937, are hereby ordered:

Class 213, Railway Draft Appliances, from Div. 39 to Div. 34.

Class 225, Dispensing Beverages, from Div. 44 to Div. 39.

CONWAY P. COE,
Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,937,484, Charles Bogin, Architectural lacquer system, decided September 22, 1937, claims 5, 6, and 8.

Pat. 1,969,518, F. J. Moles, Measuring circuit, decided September 21, 1937, claims 1, 2, 3, 4, and 5.

Pat. 2,035,880, H. R. Goodale, Parking device for motor vehicles, decided October 12, 1937, claims 3, 4, and 7.

Pat. 2,043,770, F. W. Oltmanns, Ornament, decided September 10, 1937, claims 1, 2, and 3.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Oct. 8, 1937.*

John O. Lewis, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Melvin M. Warren, R. F. D. #1, Geneva, Ohio, and patent granted March 10, 1936, No. 2,033,142, to John O. Lewis, 556 Sixteenth Street, Brooklyn, N. Y., and a notice of such declaration sent by registered mail to said Lewis at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Lewis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Oct. 4, 1937.*

Patrick J. Dervin, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Chicago Pharmacal Co., Chicago, Ill., to effect the cancellation of trade-mark registration of Patrick J. Dervin, 219 East 28th Street, New York, N. Y., No. 155,404, dated May 30, 1922, and the notice of such proceeding sent by registered mail to the said Patrick J. Dervin at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Patrick J. Dervin, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business October 16, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,088; Trade-Mark Division, 1,422. Oldest new case, April 24, 1937; oldest amended, April 24, 1937.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	May 25	June 1	662
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 26	June 23	783
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 14	Aug. 16	439
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators: Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	July 10	July 1	447
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 19	July 22	562
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	July 12	July 14	802
5725	7. JARBOE, C. G., Optics; Photography	July 6	July 6	929
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	June 22	June 28	633
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 12	June 12	570
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 17	June 17	818
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 10	July 9	473
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	June 11	June 12	668
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling	July 1	July 1	655
5097	14. SMITH, O. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 6	July 6	541
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 7	July 7	1,051
5612	16. SPENCER, C. J., Telegraphy; Telephony	June 19	June 22	689
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 21	July 24	518
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 17	June 16	484
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 17	June 16	862
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	June 21	June 21	523
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 20	July 20	528
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 20	July 21	597
7624	23. BUTTNER, W. J., Registers (part)	Apr. 24	Apr. 24	286
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	July 23	July 12	637
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 14	July 19	595
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	June 17	June 16	488
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	May 17	May 17	881
4628	28. SOLYOM, H. L., Internal-Combustion Engines	July 16	July 16	400
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 3	July 3	687
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 17	May 17	908
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 19	July 16	564
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	June 22	June 14	527
5096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 10	July 2	851
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	July 22	Aug. 4	287
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 24	July 27	524
7992	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 17	June 17	507
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	May 18	May 19	734
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	June 16	June 19	640
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 17	July 19	504
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 16	June 12	1,277
7512	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 1	July 3	273
5882	42. CUTTINO, H. O., Electric Signaling	June 22	June 8	530
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	July 16	July 16	628
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	May 27	May 25	897
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 17	June 18	631
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 7	July 10	5?1
7900	47. BARKER, H., Clutches; Brakes	July 15	July 16	600
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 14	July 14	505
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 22	May 11	793
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	July 20	July 21	625
5628	51. BACKUS, C. D., Radiant Energy	July 1	July 1	761
7709	52. KNOPTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 1	July 7	888
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 18	June 21	763
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Aug. 10	Aug. 10	513
5883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 16	June 16	874
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 21	June 21	925
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	May 13	June 9	570
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 13	July 13	391
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	July 16	July 16	555
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 3	June 30	476
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 10	June 4	615
3876	62. PUGH, E. C., Games; Geometrical Instruments	July 16	July 22	570
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	June 30	July 1	448
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 16	July 16	926
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 15	June 8	636
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Trade-Marks: Sept. 1	Trade-Marks: Sept. 28	1,280
		Labels and Prints: Oct. 2	Labels and Prints: Sept. 24	142
2606	DESIGNS, H. H. KALUPY	Sept. 20	Sept. 24	628

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

BERNARD *v.* WHITE

No. 3,766. Decided March 29, 1937

[88 F.(2d) 741]

1. INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIM.

Record reviewed and *Held* that B. is entitled to an award of priority since the claim in issue cannot be read on the disclosure of W. without disregarding many limitations contained therein.

2. SAME—ISSUE—CONSTRUCTION.

"It is true that counts of an interference should be given a broad construction. It is also true that express limitations cannot be disregarded."

APPEAL from the Patent Office. Reversed.

Mr. Donald M. Carter for Bernard.

Mr. Cleon J. Sawyer for White.

GRAHAM, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office in an interference proceeding instituted between the appellant, David G. Bernard, and the appellee, Bruce C. White. The interference was declared between a reissue application of the party White, seeking a reissue of a patent granted April 26, 1932, on an application filed June 20, 1923, and a patent of the party Bernard, granted December 12, 1933, upon an application filed January 16, 1932.

The single count of the interference was claim 5 from the Bernard patent, and is as follows:

> A paper delivering device comprising a belt, means for driving said belt, a roll supporting device in proximity to said belt, and carrying a plurality of rolls of paper adapted to be successively brought into contact with said belt while the paper is being delivered therefrom, means for utilizing the same belt for bringing the new roll of paper up to the speed of the web being delivered from the expiring roll, and a pressure device separate from said belt for pressing the web of the expiring roll and the new roll together to connect them, the new roll having adhesive on the web to facilitate this connection.

Bernard filed a preliminary statement, alleging conception of the subject matter of the issue about March 2, 1928, the first written description on the same date, a disclosure of the same to others on the same date, and a reduction of his invention to practice on or about September 1, 1931. Bernard then moved to dissolve the interference on the grounds that White could not make the count, and that there was, in fact, no interference.

The Examiner denied the motion to dissolve and priority was awarded to the party White. On appeal, the Board of Examiners affirmed the award of priority. The party Bernard has appealed.

The sole question involved is whether the count of the interference will read on the disclosure of the party White.

The Bernard patent, from which the count of the interference is taken, relates to "paper delivering devices particularly adapted to deliver paper to printing presses and the like." It is stated in the patent that in the prior art, in delivering paper to power presses, it has been necessary to slow down the presses when the delivery of paper was changed from one roll to another, and that the object of this invention was to make possible the changing of delivery from an old to a new roll while the presses were running at full speed. In order to accomplish this object, Bernard provides a reel with three arms to hold three rolls of paper for successive use.

A set of endless belts is so arranged over direction changing devices that a portion of the set, which acts as one belt, is held in contact with the exterior of the roll being fed to the press, and rotates the roll. The belt is held taut by proper weighting devices. When the web of the old roll is about exhausted, a pressure device presses the web of the expiring roll against the web of the new roll with sufficient pressure to cause a portion of the new roll which is provided with paste to adhere to the expiring roll, and immediately thereafter a severing device cuts off the paper on the old roll back of the paster. The new web then runs until the roll is almost exhausted, when the reel again revolves and another roll is presented, being first brought into motion by contact with the belt or series of belts.

While the Bernard application was under consideration, it appears that claim 5, here in issue, was rejected on White, also here in issue. It was represented, however, to the office, that in White there were two sets of belts, and that White, therefore, did not have Bernard's inventive idea. Thereupon this rejection was apparently withdrawn as to claim 5.

White's application discloses a roll changer mechanism, the object being to change rolls and paste webs while the presses are in full motion. White's roll changer holds two rolls and uses two belts. The partly exhausted roll is mounted in one arm of a two arm holder, and is being fed into the presses by a traction belt which is in contact with the outside of the roll. A new roll is then inserted into the other arm or holder. When the old roll is approaching exhaustion, another belt is lowered upon the new roll to set it in motion. When the new roll is running at full speed, a valve is turned which lowers the pasting roll and presses the old web upon the new roll and makes a paster. A knife then severs the old web, and the web proceeds from the new roll. When the new roll has been reduced to about one-half its original diameter, or one-quarter of its original weight or contents, the reel is revolved, finally bringing the active roll into the former position of the expiring roll. It is quite apparent, from the specification and drawings, that two complete feed rolls cannot be held by the reel at the same time, but that the old roll must be largely exhausted before the new roll can be finally dropped in place.

At the time Bernard entered the field, the art knew only the two belt feed in making high speed

pasters. The record contains several patents which show this: Wood, No. 1,843,436, Hammer, No. 1,738,002, and the former White patent, No. 1,855,503. Bernard was evidently trying to better this state of the art and to substitute one continuously moving belt for two that were intermittent in their action. As insisted by counsel for appellant, Bernard went contrary to the accepted practice of his art and seems to have made a real contribution thereto.

[1] In our opinion, the count of the interference does not read upon the White disclosure. The count specifically provides that the device shall contain *a belt*. The White device uses two belts and requires them for its operation. Without two belts, it could not be successfully operated. Again the count recites,

"a roll supporting device in proximity to *said belt*, and carrying a *plurality* of rolls of paper adapted to be successively brought into contact with *said belt while the paper is being delivered therefrom*." [Italics ours.]

It is impossible to disregard the many limitations contained in this language as the tribunals below have done. The roll supporting device is not in proximity to one traction belt at all times. The reel does not carry a plurality of rolls of paper, but never more than one complete roll and a partially exhausted one. The rolls of paper, whether complete or partial, are not adapted to be brought into contact with the one traction belt while the paper is being delivered therefrom, but are changed from one traction belt to another while this delivery is being made.

"Means for utilizing *the same belt for bringing the new roll of paper* up to the speed of the web being delivered from the expiring roll." [Italics ours.]

is not found in White's disclosure.

[2] It is true that counts of an interference should be given a broad construction. It is also true that express limitations cannot be disregarded. *In re Bijur*, 17 C. C. P. A. (Patents) 1134, 40 F.(2d) 999, 398 O. G. 355; *Stephen D. Hartog* v. *Elmer C. Long et al.*, 18 C. C. P. A. (Patents) 993, 47 F.(2d) 365, 408 O. G. 587; *William E. Moore* v. *Albert E. Greene*, 18 C. C. P. A. (Patents) 1317, 48 F.(2d) 960, 411 O. G. 820; *Henry Dreyfus* v. *Leon Lilienfeld*, 18 C. C. P. A. (Patents) 1526, 49 F.(2d) 1055, 413 O. G. 857; *Garrett W. Mudd* v. *Otto A. Schoen*, 19 C. C. P. A. (Patents) 840, 54 F.(2d) 959, 417 O. G. 847.

In the opinion of the court, the party White cannot make the count, and the decision of the Board of Appeals is reversed.

Reversed.

Hatfield, J., did not participate in this case.

U. S. Court of Customs and Patent Appeals

IN RE WILLOUGHBY

No. 3,734. Decided March 22, 1937

[88 F.(2d) 482]

1. PATENTABILITY—COASSIGNED, COPENDING APPLICATIONS.

Where two copending applications of different inventors for patents on improvements in mine cars were assigned to the same company and a patent was issued on one of them *Held* that claims could not be allowed in the other unless they show patentable matter not embraced in the claims of the patent.

2. SAME—SAME—PROSECUTION.

Where a patent was issued on one of two applications of different inventors which were owned by the same assignee, neither the Patent Office officials nor the court should be required to speculate as to the line of patentable division and it was "incumbent upon appellant clearly to point out what patentable matter, if any, is contained in his claims that was not covered by the patent claims."

APPEAL from the Patent Office. Affirmed.

Mr. Donald U. Rich, Mr. Charles E. Riordon, Mr. C. Russell Riordon, and *Messrs Riordon & Riordon* for Willoughby.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner rejecting fifteen claims (numbered 6, 7, 9, 12, 13, 14, 23, 29, 31, 32, 49, 52, 55, 56, and 59) of an application for patent filed June 8, 1925, for improvement in "Mine Car." Twenty-one claims stand allowed.

Claims 6 and 31 are illustrative of the subject matter of the rejected claims. They read:

6. In a mine car, flanged sills, a floor portion carried by said sill flanges, axles passing through said sill webs and above said floor portion, axle housings connecting said sills and secured to said floor portion and tie plates connecting said sill flanges.

31. In a railway car, side sills, axles extending therethrough, means connecting said sills, a floor comprising longitudinally extending planks and an inverted channel-shaped metallic buffer beam extending below said axles, and means covering said axles and contributing to the support of said planks.

The reference cited is Patent 1,649,396, issued to H. P. Field November 15, 1927, upon an application filed April 9, 1926.

It will be noted from the filing dates of the respective parties that the applications were co-pending from April 9, 1926, until the issuance of the Field patent November 15, 1927, and that appellant was first to file. There was no declaration of interference, however, evidently for the reason that both applications were owned by a common assignee, the American Car and Foundry Company, which now owns both the patent and the application at issue and which, therefore, is the real party in interest in the case.

That the claims at issue read upon the patent is virtually conceded, but appellant contends that they are generic to the structure in the patent and

"are directed to combinations of elements different from the claims of the Field patent."

In his statement the Examiner, after analyzing claim 6 of the application and referring to claims 10 and 16 of the patent, said:

Under these circumstances it appears obvious that to grant a patent on the present application including claim 6 would obviously result in double patenting and an extension of the monopoly which the assignee of the present case already enjoys.

Other claims of the application were then compared with other claims of the patent, and the Examiner's statement continued:

The above examples obviously show that there is no proper line of division between the cases [application and patent] and it is therefore believed that the final rejection should be affirmed.

The Board made no reference to "double patenting", but affirmed the decision of the Examiner, saying:

It is our opinion that, where a plurality of applications are assigned to the same assignee and there is overlapping disclosure, it is incumbent upon the assignee to clearly point out the respective inventions of the parties. We do not consider that those who may be interested in the patents or the officials of this Office should be required to speculate as to the line.

For the purpose of comparison the Board quoted, in connection with claim 31, supra, claim 5 of the patent as follows:

5. In a mine car, wheel axles, sills having flanges formed at the bottom thereof, ties between said sills, a floor located below the wheel axles and mounted on said flanges and ties, a longitudinal buffer beam forming a part of said floor, and axle housings mounted on the floor and connected to said sills.

In the brief on behalf of appellant rejected claims 29, 31, 32, 55, and 56 are compared with claims 2, 5, 6, 7, 12, 15, and 16 of the patent, and rejected claims 6, 7, 9, 12, 13, 14, 15, 49, 52, and 59 are compared with claims 8 to 11, inclusive, and 17 to 24, inclusive, of the patent. To enable comparison with the second group, therefore, claim 10 of the patent is here quoted:

10. In a mine car, wheel axles, sill plates having bottom flanges thereon below the wheel axles, a floor supported on said sill flanges, and axle housings mounted on said floor and connected to said sills, said housings having a gradual slope on one side thereof.

Much of appellant's brief is devoted to the subject of double patenting, the insistence being that the doctrine is not here applicable. As has been said, the Board made no reference to double patenting, and it is conceded by the Solicitor for the Patent Office that it does not apply here. We infer from the statements in the Solicitor's brief that it is his view that the Examiner in referring to double patenting did not use the phrase in the sense in which it is commonly used in patent parlance. The brief says:

If two different inventors each obtain a patent for the same invention, that invention has been patented twice, that is, it has been patented doubly and in one sense there may be double patenting. This is not the sense, however, in which double patenting is usually referred to in patent parlance.

Appellant in his brief apparently uses double patenting in the sense of two patents granted to the same inventor. It is obvious that this doctrine is not involved in the instant case because the two inventors are different. • • •

Whatever may have been the thought of the Examiner in using the term "double patenting", we are of the opinion that the rule as to double patenting is not here involved, and the same will not be further considered by us.

As we view the case, the broad question before us, upon the record presented, is whether the common assignee, having elected to take patent upon the Field (the junior) application, is now entitled to receive a patent upon claims in the Willoughby (the senior) application, the subject matter of which claims was disclosed but not claimed in the same, or substantially the same, phraseology in the patent.

In the case of *In re Leon Mann and Morris Koppelman*, 18 C. C. P. A. (Patents) 1020, 47 F.(2d) 370, 408 O. G. 7, we were confronted with an issue quite similar to that with which we are here confronted. Mann and Koppelman filed a joint application October 21, 1921. On April 15, 1922, the same Koppelman and one Cooper filed another joint application which resulted in the issuance of a patent which, at the time of issuance, was shown to have been assigned to Mann and Koppelman, the prosecution of whose application of April 15, 1922, was continued. The patent claimed an invention upon subject matter found to be disclosed in the senior application. Citing *In re Dunbar*, 51 App. D. C. 251, 300 O. G. 201, we pointed out that obviously no interference should have been declared between the respective applications

"because there were no adverse interests, the beneficiaries of both applications being the same parties."

We found that the claims of the application read upon the disclosure of the patent and further held expressly as to the single feature of the claims in the application alleged to differentiate from the claims of the patent, that no invention would be involved in modifying the patent structure to meet that feature, and affirmed the decision of the Board rejecting the claims.

Appellant contends that the decision in the Mann et al. case, supra, was erroneous and that our decision in the subsequent case of *In re George E. Howard*, 19 C. C. P. A. (Patents) 759, 53 F.(2d) 896, 414 O. G. 826, decided December 7, 1931, had the effect of overruling the Mann et al., supra, decision.

We are unable to agree to either of these contentions. Expressions in judicial opinions, even upon purely legal questions, are naturally influenced by the particular state of facts presented in the case under consideration. It is possible that in our decision in the Mann et al. case, supra, expressions may be found where we compared the claims at issue with the disclosures of the patent, which standing alone and considered apart from the finding as to lack of invention in the differences between the claims, might be interpreted in a manner not intended by the court. For example, counsel for appellant suggest the possible effect of the decision, as a precedent, in cases involving divisional applications, as when structural claims are contained in one application and method claims in another with identical disclosure in both applications as is usually the case. We had no occasion to consider such a situation in the Mann et al. case, supra, nor in the Howard case, supra; nor is there any occasion to do so here. The mind of this court is entirely open upon that question. That this court recognized that there might be exceptions to the general rule applied in the Mann et al. case, supra, is quite clearly evidenced by the following statement there made:

In certain cases, where there are two applications by different inventors, but held by a common assignee, and there is a disclosure of the same basic invention in both applications, but in one of which it is asserted that the applicant is the inventor only of an improvement in the basic invention disclosed, a patent issued upon the improvement claim in such last named application is not a bar to a patent upon the other application; but the case before us is not one of that character.

It was not intended by the foregoing which, in a sense, was obiter in the Mann et al. case, supra, elicited, however, by certain arguments there made, to suggest that the exception there named was the

only exception to the rule. We realized that there might be other exceptions.

The facts appearing in the Howard case, supra, led us to the conclusion that it presented grounds which excepted it from the rule, and accordingly we there sustained appellant's contention and reversed the decision of the Board of Appeals, but there was no overruling of the Mann et al., supra, decision, either directly or by implication.

We think the decision in the Mann et al. case, supra, was in entire harmony with the decision in the Dunbar case, supra, which latter, as we understand it, has been consistently followed by the Patent Office ever since its rendition, and we adhere to the principle stated.

The question here, therefore, is whether the facts presented render this an exceptionnl case, or does it fall within the general rule?

It seems to us that the fair interpretation of the decision below is that the rejected claims of the application do not, in their terms, as expressed, so distinguish from the *claims* of the patent as to show patentable matter not embraced in the latter claims. As has been said, it is virtually conceded that the rejected claims read upon the disclosure of the patent, but the insistence is, in effect, that more might have been claimed in the patent than was claimed, and that the rejected claims here cover such unclaimed matter and are, therefore, allowable.

[1] If this be true and patentable distinction exists, the case would be an exception to the general rule, but it does not follow simply because no claims are contained in the patent in the same, or substantially the same, phraseology as that of the rejected claims that an exception should be made. It is a matter of substance rather than of form, and it must be made clear that the rejected claims contain inventive subject matter which the patent claims did not cover. We are unable to agree that this is shown. Careful attention has been given to appellant's analysis and comparison of the claims, but we fail to find any satisfactory showing of distinctive patentable subject matter. The Examiner's analysis and comparison of the rejected claims and patent claims show an overlapping. Some of the rejected claims are broader than some of the patent claims and vice versa. It is needless to draw this opinion out to undue length by repeating or paraphrasing the discussions of this matter by either appellant or the Examiner.

[2] We concur in the thought expressed by the Board that neither the portion of the public interested in the patents, nor the Patent Office officials (to whom we may add the courts) should be required to speculate as to the line of patentable division. It was incumbent upon appellant clearly to point out what patentable matter, if any, is contained in his claims that was not covered by the patent claims and this he has not done to our satisfaction. It has been noted that many claims stand allowed. In those we have no interest. Presumably they do distinguish from the patent claims. We rest our decision here not simply upon a comparison of the rejected claims with the disclosures of the patent but upon comparison with the claims of the patent.

Since our conclusion upon the main issue is decisive of the case, there is no occasion for the consideration of any of the collateral questions raised in the reasons of appeal.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE CARROLL

No. 3,763. Decided March 22, 1937

[88 F.(2d) 687]

1. PATENTABILITY—NEW MATTER—COMPOUND MASTER CYLINDER FOR A VEHICLE BRAKING SYSTEM.

Claims for a compound master cylinder for a vehicle braking system which include the limitation "large and small pistons in said large and small bores respectively, the small piston being operable by the larger piston" *Held* not patentable since the limitation is not disclosed in the application as filed.

2. SAME—SAME—THEORY OF DETERMINING INFRINGEMENT NOT CONTROLLING.

The principle that infringement is not avoided by consolidation of two elements into one part may be well settled but the rule is different where the question of patentability is involved in the ex parte prosecution of an application for patent.

APPEAL from the Patent Office. Affirmed.

Mr. Jerome R. Cox, Mr. M. W. McConkey, Mr. N. D. Parker, Jr., and *Mr. F. P. Keiper* for Carroll.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner holding appellant not entitled to make two claims (Nos. 29 and 30) of his application, Serial No. 365,405, for "Hydraulic Brake Apparatus." Claim 29 is illustrative and the same is quoted with the feature at issue italicized:

29. A compound master cylinder for a vehicle braking system including a housing having a pair of axially aligned communicating bores therein and a communicating outlet, one of said bores being smaller in diameter than the other, *large and small pistons in said large and small bores respectively, the small piston being operable by the larger piston,* means for moving the larger piston, yieldable packing means contacting with and coacting with the small piston for allowing the passage of fluid displaced by the larger piston to said outlet during only a portion of the stroke of said larger piston, and means for relieving the pressure created by the large piston when the passage of fluid from the large bore to said outlet is discontinued.

The Examiner rejected the counts upon two grounds, viz., double patenting and lack of disclosure of the feature above italicized. The Board held the ground of double patenting "unwarranted", but affirmed upon the second ground, saying:

Claims 29 and 30 are held not warranted by appellant's disclosure inasmuch as these claims also call for large and small pistons, the small piston being operable by the larger piston.

It may be said that, before the Examiner and the Board, another claim, copied from a patent for interference purposes, was involved. This claim was disallowed and it was not included in the appeal to us. References were cited in connection with the issue of double patenting but none in connection with lack of disclosure, which is the only issue to be determined here.

Appellant's specification makes no affirmative reference to the disputed feature and reliance is placed upon the drawings for disclosure. Even the drawings need not here be described in detail. Figure 1 thereof discloses as a part of a somewhat complicated device a tubular element referred to throughout the specification as a "plunger." This plunger consists of a *unitary* member, the inner end of which is smaller than the outer end. Means are provided for a connection between the outer end of the member and the element (probably, in common parlance, a foot pedal) against which pressure is applied to operate the plunger. When the pressure is applied the plunger is moved forward and, through the operation of requisite means, unnecessary to be described, liquid is forced forward to act upon the brakes mechanism. The large end of the plunger passes through a larger bore than does the small end.

[1] Appellant's claim is that the unitary member, having a large end and a small end, constitutes a large piston and a small piston within the meaning of the claims, and the theory is advanced that the small end is "operable" by the large end. It is urged that the claims should be given the broadest interpretation possible and that, in view of certain authorities cited, it is immaterial whether the parts be made integral or separate.

We find ourselves unable to concur in appellant's contentions, either as to the unitary member being two pistons, or as to the small end being operable by the large end. The feature is a unit and is operated as a unit, the whole moving forwardly as a result of the pressure placed upon the outer end and backwardly when the pressure is released. If a post is being driven into the ground, it could not very reasonably be contended that the lower end of the post is operable by its upper end. The entire post is operated upon and moved as a unit by the force which strikes its upper end.

[2] Appellant quotes excerpts from the cases of *Nathan et al.* v. *Howard*, 143 Fed. 889; *Stockland* v. *Russell Grader Mfg. Co.*, 222 Fed. 906, and *Parker* v. *Automatic Mach. Co.*, 227 Fed. 449, as illustrative of the principle that *infringement* is not avoided by consolidating two elements of a patent into one part. This principle may be taken as quite well settled in infringement proceedings, but the rule is different where the question of patentability is involved in a proceeding in the Patent Office upon an ex parte application. The case of *In re Key*, 22 C. C. P. A. (Patents) 1098, 76 F.(2d) 398, 459 O. G. 5, cited in the brief of the Solicitor for the Patent Office, seems directly in point in the instant case.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE WEBER

No. 3,769. Decided March 22, 1937

[88 F.(2d) 489]

1. PATENTABILITY—SUBSTITUTION OF NEW ELEMENT IN OLD COMBINATION-CAPACITOR-MOTOR FAN.

Claims for a capacitor-motor fan which includes a supporting pedestal and a broad base *Held* unpatentable since while applicant has introduced into his combination a motor different from the prior art, he has not made a combination which differs in any material respect from that of a prior patent although the desirable result of a better balance may be obtained.

2. SAME—SAME.

"That merely substituting a new element for an old one does not render the combination into which the new element is introduced patentable if the combination be not thereby rendered novel is certainly well settled in patent law."

APPEAL from the Patent Office. Affirmed.

HATFIELD, *J.*, did not participate in this decision.

Mr. O. H. Eschholz, Mr. O. B. Buchanan, Mr. L. H. Sutton and *Mr. Raymond Jones* for Weber.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the Examiner's rejection of claims 2, 4, 6, 14, and 15 of an application for patent relating to "Improvements in Capacitor-Motor Fan." Appellant divides the claims into two groups, numbers 2, 4, and 6 in one group and 14 and 15 in the other. Claims 4 and 15 are quoted as illustrative of the respective groups:

4. A fan comprising a supporting pedestal having a supporting column and an enlarged base, a variable-speed self-starting, single-phase induction motor mounted on the supporting column of said pedestal and comprising a stator member having dephase primary windings, and a rotor member having closed-circuited secondary windings, fan blades driven by said rotor member, circuit-connections for cooperating with said primary windings to provide a common, unbranched circuit-portion and two branch-circuit portions for energizing the two primary windings, respectively, from a common single-phase source, and a capacitor, an adjustable transformer, and a control handle for said adjustable transformer all mounted in the base of said pedestal, an adjustable portion of said transformer being connected in series circuit relation to the common, unbranched portion of the circuit, a constant portion of said transformer being connected in series circuit relation to one of the branch-circuit portions of the circuit, and a larger constant portion of said transformer being connected across said capacitor.

15. A single-phase, capacity-motor fan, comprising a supporting pedestal having a supporting column and an enlarged base, a self-starting, single-phase, induction motor mounted on the top of the supporting column of said pedestal and comprising a stator member having dephased primary windings, and a rotor member having closed-circuited secondary windings, fan blades driven by said rotor member, a capacitor mounted in said enlarged base, and connections for starting and running said motor on its dephased primary windings as a capacitor motor, whereby the size and weight of the motor at the top of said supporting pedestal is materially reduced over that of an ordinary single-phase induction motor, and whereby the masses at the top and bottom of the pedestal are more agreeably balanced relative to each other.

The rejection was for lack of patentability of the combination over prior art, the single reference cited by the Examiner being a patent to one Jennings, No. 1,433,725, October 31, 1922.

The brief on behalf of appellant approves the

description of his device given by the Board in its decision as follows:

The claims on appeal are directed to alleged improvements in pedestal fans, such alleged improvement residing in the use of a motor of a particular type which is said to be lighter for the required horsepower and which requires for its operation certain accessories which are disposed in the base of the pedestal with a resultant change of balance, as compared with previous fans over which it is claimed to be a marked improvement.

The motor employed is of the so-called capacitor single phase induction type, the capacitor being associated with the starting winding for dephasing the same with respect to the primary windings. Inductance elements are also associated with the two windings to further assist in dephasing and increasing the efficiency, one of these inductances being tapped for cooperation with a speed controlled switch which is also located in the pedestal base.

Appellant's brief states:

The patent to Jennings is issued to the same assignee as the present application, and shows a pedestal fan including a single-phase induction motor of the squirrel-cage type. The motor is mounted at the top of the fan pedestal, and the speed-controlling switch and an auto-transformer are mounted in the base of the pedestal.

From the foregoing description it becomes immediately obvious that broadly the combination of elements in the Jennings device is the same as the combination of elements in the device of appellant. That is to say, Jennings shows a device consisting of a fan connected with and operated by a single-phase induction motor mounted upon a pedestal, in the base of which pedestal are contained elements which broadly correspond to the elements in the base of appellant's pedestal. It may be added that the several general features of the application are combined in substantially the same relationship as that of the corresponding general features of the patent.

Under this state of facts it was held, in substance, that whatever patentable novelty was presented in the application resided in the motor (several claims relating thereto being allowed), and that the claims at issue should be and they were rejected upon the ground of exhausted combination.

As we understood the facts of the case, from the record, what appellant did was to take a capacitor-motor which has long been known, and make certain modifications therein to adapt it for use with what, in common parlance, is called an "electrical fan", particularly that type of fan which is used on desks and the like. These modifications result in the production of a lighter motor, and certain changes in the elements which go into the base of the pedestal—elements which connect with the motor—render the base somewhat heavier.

For such modifications of the motor as were found to involve invention claims have been allowed, but appellant seeks to go further and obtain claims for the combination which resulted from substituting the capacitor-motor, of course including such of its concomitant elements as are located in the base of the pedestal, for the type of motor, including its corresponding concomitant elements, formerly used. The result claimed for the combination by the substitution so provided is, as expressed in claim 15, supra, that

"the size and weight of the motor at the top of said supporting pedestal is materially reduced over that of an ordinary single-phase induction motor, and * * * the masses at the top and bottom of the pedestal are more agreeably balanced relative to each other."

It is argued on behalf of appellant, in substance, that, although both the capacitor-motors art and the pedestal-fan art are very old and both prolific in inventions, and although the result obtained by appellant's combination is one which has long been desirable, he is the first to accomplish it; that the numerous persons skilled in these respective arts have not presented a combination which produced the desirable result and that

"invention is involved in the perception of the fact that the capacitor motor, with its control, involves a reproportioning of weight between the motor and the control, so that it offers the possibility of very materially improving the 'balance' of the pedestal fan, by bringing the weights of the head and the base more nearly together, thus resulting in a reduction in the weight of the head and a slight increase in the weight of the base of the pedestal, as compared to prior-art designs."

The argument thus made applies to both groups of claims.

As to the group consisting of claims 2, 4, and 6, it is argued that they are allowable for the reason

"that they recite, word for word, an admittedly novel combination in respect to the control of the capacitor-motor element, as defined in the allowed claims 1, 3, and 5, respectively."

In the final analysis, however, the argument as to this group is really based upon the result of increasing the weight of the pedestal base and reducing the weight of the motor whereby the top of the fan pedestal is lightened, and better balance secured.

Appellant cited numerous authorities in his brief and others were referred to in the oral argument on his behalf and supplied in a memorandum furnished the court after the argument was concluded. These we have examined and considered in connection with the arguments.

[1] We are unable to trace the result which appellant claims to have obtained to any source except the alterations or modifications made in the motor. Appellant has introduced a motor into his combination different from the prior art motor, but he has not made any combination which differs in any material respect from the combination shown by the Jennings patent, although the desirable result of better balance may be obtained.

[2] That merely substituting a new element for an old one does not render the combination into which the new element is introduced patentable if the combination be not thereby rendered novel is certainly well settled in patent law. *In re The Germantown Trust Co., executor of the estate of Charles E. Vawter, deceased*, 19 C. C. P. A. (Patents) 1140, 57 F.(2d) 365, 421 O. G. 857.

We find no error in the decision of the Board of Appeals and the same is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

IN RE ADAMS

No. 3,759. Decided March 22, 1937

[88 F.(2d) 495]

PATENTABILITY—METHOD OF PRODUCING ILLUMINATION FOR STAGE AUDITORIUMS, ETC.

Claims for a method of producing illumination for stage auditoriums, etc., *Held* not patentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Samuel E. Darby, Jr., and *Mr. Floyd H. Crews* for Adams.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims numbered 25, 27, 28, 29, and 31 to 34, inclusive, of appellant's application. No claims were allowed. The ground of rejection was lack of invention in view of the prior cited art.

The claims may be divided into two groups, claims 25, 28, 31, and 33 constituting the first group, and claims 27, 29, 32, and 34 constituting the second group.

Claim 25 is illustrative of the first group and reads as follows:

25. In a method of producing illumination approximating the color characteristics and qualities of sunlight most effective for stage and photographic lighting, the step which consists in energizing a high powered incandescent lamp, which at normal operating voltage consumes in excess of one thousand watts, with a current having a voltage not more than 75% of said normal operating voltage.

Claim 34 is illustrative of the second group and reads as follows:

34. The method of producing full illumination for stage, auditorium and photographic lighting which consists in energizing a high powered incandescent lamp with a current having a voltage of not more than 75% of that at which said lamp is normally designed to operate to produce its maximum intensity of emitted light, to produce the emission of a light which is deficient in blue rays, and then supplying to the emitted light the deficiency in blue rays from an independent source of light which is rich in blue rays, whereby the color characteristics of sunlight at a preselected hour of the day are approximated.

The references cited are: Hewitt, 901,294, October 13, 1908; Steinmetz, 945,990, January 11, 1910; D'Humy, 1,324,008, December 2, 1919; Falge, 1,924,714, August 29, 1933.

The alleged invention is sufficiently described in the quoted claims. It will be observed that the distinction between the two groups of claims is that, in the second group, there is an element not found in the first group, said element embracing a second source of light.

The principal reference is the patent to Falge. It relates to methods of using incandescent lamps so as to increase the life of the lamp. The invention is particularly directed to automobile headlamps, but the patent states that

"it is to be understood that the broad principles of the invention may be applied to lamps used for other purposes."

The patent discloses that, if the bulb of the lamp be used at a lower voltage and lower current than its capacity, the life of the bulb will be prolonged. The patent states:

* * * The reduction in the amount of light emitted is, of course, undesirable, and the observer also finds the change in color of the light to be undesirable as candlepower for candlepower, it seems to reduce the visibility of the objects illuminated.

* * * * * * *

To overcome this difficulty I have incorporated in my bulb means for removing the excess red rays so that the emitted light will have for all practical purposes the same color value as that obtained from conventional bulbs. This may be done in a number of ways but I have preferred to use a bulb made of glass sufficiently blue in color to absorb the excess red rays and produce a relatively white beam. It is of course essential that the glass be colored as little as is necessary for the colored glass absorbs the rays and reduces the efficiency of the lamp.

Claim 2 of the patent reads as follows:

2. A method of illumination which comprises operating an electric lamp filament at a current density and temperature below its usual rated capacity to cause it to emit light having an excess of red rays, and filtering out the excess of red rays to cause the resulting light to be substantially white.

The patents to Hewitt, Steinmetz, and D'Humy were relied upon by the Examiner as showing that the use of a source of light rich in blue rays to supplement a source of light deficient in these rays was well known to the art.

The Board of Appeals in its decision stated:

There appears to be no doubt but that the efficiency of a lighting system is very much reduced by appellant's procedure but if one desires to extend the length of the life of the lamps at the expense of efficiency, we are convinced that the teachings of Falge would suggest the low voltage current with high-powered lamps as well as those usually employed on automobiles. The question before us, therefore, as we see it, is whether in carrying out an obvious operation, an unobvious result has been produced of such a nature as to afford a proper basis for patent monopoly.

It is not clear to us why there should be any difference between the results of reducing the voltage employed with low- and high-powered lamps. We believe that it is merely a matter of degree and that, in reducing the intensity of the light, more or less of the yellow light will be produced, as taught by Falge.

In the absence, therefore, of convincing evidence that illumination of a substantially superior and unexpected nature is to be attained by dropping the voltage on high-powered lamps, and only on lamps which are designed to consume in excess of 1,000 watts, we do not feel justified in holding that appellant has discovered an unexpected result of such a nature as to warrant patent protection.

Appellant contends that a new and unexpected result has been secured in reducing the voltage of high-powered lamps to not more than 75% of their normal operating voltage, a result that would not be secured or expected from similarly operating low-power lamps as disclosed in the patent to Falge. High-power lamps are described in appellant's application as follows:

* * * Furthermore, by the term "high-powered" as used herein is meant lamps of from 1 K. W. to 100 K. W. rating, although the broad concept of the invention is applicable to other sizes of lamps.

The only statement that we can find in the application tending to support the claim that a result different in kind is secured in operating high-powered lamps at a reduced voltage is the following:

* * * However, ordinary small power lamps, for example 500 watts or the like even when operated at less than rated voltage are incapable of giving off this soft yellowish light or in sufficient power to be useful practically. * * *

It is appellant's contention also that the yellow light produced by reducing the voltage of high-power lamps is very desirable and useful for stage, auditorium, and photographic light, whereas the patent to Falge states that the yellow light produced by reducing the voltage of low-power lamps is undesirable.

We agree with the Patent Office tribunals that the first group of claims are unpatentable over the patent to Falge alone. We do not think that the statement found in appellant's application with respect to the inability of low-power lamps, when operated at less than the rated voltage, to produce the soft yellowish light produced by appellant's method in high-power lamps, is sufficient to establish that appellant has secured a new and unex-

pected result; but, however this may be, we think that the patent to Falge teaches that by reducing the voltage of incandescent lamps of any size the life of such lamps will be prolonged. The claims of Falge's patent embrace electric lamp filaments without limitation, and we think any licensee of Falge would have the right to use the method disclosed and claimed by him, in electric lamps of any size, and when his patent expires the public will have the same right. It is true that Falge had a very different object than the object of appellant, but the methods of both are identical so far as the first group of claims is concerned.

With respect to the second group of claims, we also agree with the Patent Office tribunals that they lack invention over Falge in view of the patents to Hewitt, Steinmetz, and D'Humy. Taking the additional step embraced in the second group of claims would clearly be obvious to one skilled in the art, in view of the references last named.

We agree with the conclusion of the Board of Appeals upon all of the rejected claims, and its decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE LANSING AND HAUSAMANN

No. 3,764. Decided March 22, 1937

[88 F.(2d) 487]

PATENTABILITY—ENGINE STARTING APPARATUS.

Claims for an engine starting apparatus *Held* unpatentable since "there was no invention in substituting a portable motor to supply mechanical power to rotate the flywheel instead of handpower applied through a crank, as disclosed by Chilton."

APPEAL from the Patent Office. Affirmed.

Messrs. McConkey & Smith, Mr. Martin J. Finnegan, and *Mr. N. D. Parker, Jr.,* for Lansing and Hausamann.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, in view of the cited prior art, claims 20, 24, 26, 27, and 31 of appellants' application. No claims were allowed.

Claims 20 and 26 are illustrative of all of the involved claims and read as follows:

20. In an accelerator for starters of the character employing an inertia member adapted to be rotated to high speed for storage therein of energy to be subsequently transferred to a member of an engine to be started, a method of accelerating said inertia member to a speed far in excess of the starting speed of said engine member consisting of connecting a portable driving shaft therewith, and energizing said driving shaft by application thereof of power taken from a source external of said engine and inertia member.

26. In engine starting apparatus, a flywheel adapted for high speed rotation, a clutch member adapted to engage a member of an engine to be started, a gear train drivably connecting said flywheel and clutch member, means for energizing said flywheel including a power driven manually transportable accelerator, and means for drivably connecting said accelerator with said gear train.

A large number of references were cited; some of them were relied upon for the rejection of claims not involved in this appeal. The references relied upon by the Board of Appeals with respect to the claims before us are as follows: Foster, 1,417,508, May 30, 1922; Knipfer, 1,504,766, August 12, 1924; Chilton, 1,561,506, November 17, 1925; Chilton, 1,660,953, February 28, 1928; Fentress, 1,352,803, September 14, 1920; Moretti, 1,702,742, February 19, 1929; Levedahl, 1,684,633, September 18, 1928; Levedahl, 1,757,125, May 6, 1930.

The claimed invention embraced in the involved claims relates to aircraft engine starting mechanism. Appellants' application states:

For starting internal combustion engines, and particularly air-ship engines, inertia starters are used. In these, an inertia mass such as a flywheel is set in very rapid rotation, say of the order of 20,000 R. P. M., and then is connected with a member of the engine to be started, properly to apply the kinetic energy of the flywheel to cranking the engine. Speed-changing gearing of high order of reduction is interposed between the flywheel and that driving member of the starter which is to be engaged with the engine to crank it and commonly the starter is hand-operable, either as the sole manner of accelerating the flywheel or supplementally to the provision of an electric starting motor, the hand-cranking shaft being usually operatively connected with a low speed member of the reduction gearing.

A primary purpose of the present invention is to provide desirable and effective means for accelerating inertia starters by power taken from an outside source of electrical supply, thus to avoid necessity for hand-cranking, or the use of the air-ship's storage battery for starting purposes where the starter is of the motor-powered type.

Further objects of the invention are to provide a motor-unit of the accelerator equipment in the convenient form of a hand-tool which will be of simple, effective and durable construction, and to combine with such motor-unit such electrical control-equipment as will both safeguard the motor and insure its effective operation to deliver proper initial torque to, and effect sustained acceleration of, the starter for promptly, safely and efficiently bringing its flywheel speed up to the desired maximum.

The patents to Chilton disclose inertia starters in which a flywheel is connected by suitable gearing to a shaft which carries a driving clutch. Power by means of a hand crank is applied to rotate the shaft which, through gearing, rotates the flywheel to high speed, after which the clutch is moved manually into engagement with a member of the engine to be started.

The patent to Foster states:

This invention relates to improvements in starting devices for internal combustion engines, and more particularly to a device for starting, or cranking the engines of aeroplanes or the like; the principal object of the invention being to provide a portable, electrically driven device of this character, comprising a cranking shaft, having telescoping sections that may be extended and removably attached to the propeller of an aeroplane, and may be driven to effect starting of the aeroplane engine, and which will automatically detach itself from the propeller after the engine has been started.

The drawings show the device as mounted upon a truck.

The patent to Knipfer discloses a somewhat similar cranking device for aeroplanes, also mounted upon a truck.

The patent to Fentress relates to an inertia starting device. A flywheel is rotated manually and when, in the judgment of the operator, a sufficient speed has been obtained, connection is made to the crank shaft through additional gearing.

The patents to Moretti and Levedahl show small portable motors with reduction gearing, used in connection with tools whose shafts are provided with suitable fittings to perform the work for which the tools are designed.

The Board of Appeals in its decision concisely states the only issue before us as follows:

The claims on appeal present the broad question of whether the substitution of a portable motor for the manual expedient contemplated by the prior art amounts to invention, especially in view of the use of a portable motor in the art for starting purposes.

The Board held that claim 20 was so broad as to read directly upon the Chilton patents, as it does not exclude power applied through a crank operated by hand, and that, even if the phrase "power taken from a source external of said engine and inertia member" contained in the claim be construed to mean mechanical power, the claim is unpatentable over Chilton in view of Knipfer and Foster. With respect to the remaining claims before us, the Board held that while they are more specific with respect to the source of power rotating the flywheel, they are unpatentable over the references Chilton, Knipfer, Foster, Moretti, and Levedahl.

In other words, the Board held that, in view of the references there was no invention in substituting a portable motor to supply mechanical power to rotate the flywheel instead of hand-power applied through a crank as disclosed by Chilton. We think the Board came to the right conclusion.

While it is true that the portable motors disclosed by Foster and Knipfer were no doubt large and heavy and mounted upon trucks, because the power was applied directly to the crankshaft of the engine, nevertheless we are of the opinion that it would be obvious to one skilled in the art, with the last named patents before him, that smaller motors could be used to transmit power to the flywheel disclosed by Chilton, in lieu of hand-power applied through a crank.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

HATFIELD, *J.*, did not participate in this decision.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WENZEL

No. 3,767. Decided March 22, 1937

[88 F.(2d) 501]

1. PATENTABILITY—PUBLICATION TWO YEARS BEFORE APPLICATION FILED.

A publication is a bar to the granting of a patent on an application filed more than two years thereafter, for any invention disclosed in said publication even though that invention was made prior to the date of the publication.

2. SAME—SAME.

Such a two year publication is a bar to the grant of any claim which does not define an invention over what is disclosed therein even though it be necessary to cite prior patents or publications to show that the necessary modification would have been obvious.

3. SAME—SAME—INVENTION.

Claim for a method of insulating walls, ceilings, etc. *Held* unpatentable as stating no invention in view of a prior patent over what was disclosed in a publication of a date more than two years prior to the filing of applicant's application.

APPEAL from the Patent Office. Affirmed.

Mr. Ralph W. Brown and *Mr. E. E. Weaver* for Wenzel.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 18, 19, 20, and 22 of appellant's application for lack of invention over the cited prior art. Certain claims were allowed by the Examiner. Appellant's application was filed on December 6, 1929.

Claim 18 is illustrative of the subject-matter involved and reads as follows:

18. The method of insulating walls, ceilings and the like which consists in diffusively spraying into the space therein a substantially dry flocculent material, and floating the particles thereof into light mutual contact to form a loose non-compacted mass substantially filling the space within the wall.

The references cited are: Kalkite ad.; page 7, "The Wheaton Illinoian," July 15, 1927; Chase, 318,870, May 26, 1885.

The reference last above named was not cited by the Examiner, but was cited by the Board of Appeals.

Appellant's application relates to a process of insulating hollow walls, ceilings, and the like by pneumatically spraying therein flocculent material in a dry state.

The references are accurately described in appellant's brief as follows:

The Kalkite advertisement (Record p. 22D) is a printed publication, conceded to have been published on July 15, 1927, slightly more than two years prior to the filing date, (December 6, 1929) of appellant's application.

It refers to an insulating material termed Kalkite, consisting of "vegetable fibre bounded with gypsum", which is introduced into a wall space through a pneumatic hose in a manner to form a substantially rigid slab within the wall space. The ad states that the "gypsum bond converts the Kalkite into a monolithic barrier against the passage of useful heat and the entrance of unwanted cold". It is described as "having a cork-like structure" and is said to "add strength to the house walls and help to prevent settling and undue sagging".

* * * * * * * *

The Chase patent, No. 381,870, issued May 26, 1885 (Record p. 22A, 22B, and 22C) relates to a specially constructed refrigerator wall filled with "mill-shavings, cut straw, granulated cork, or other light and elastic non-conducting material". * * *

The insulating material employed by appellant differs from that described in the Kalkite advertisement in that appellant's material is comminuted, dry, and when in place is a loose non-compacted mass, while in the Kalkite advertisement the material when in place forms a solid mass. However, the material disclosed in the Chase patent for insulating purposes is similar to the material employed by appellant.

It will be noted that the date of the Kalkite advertisement is July 15, 1927, which was more than two years prior to the date of the filing of appellant's application.

It is established by the record that the invention claimed by appellant was conceived and reduced to practice by her as early as 1924.

Three principal contentions are made by appellant, as follows:

1. That the Kalkite advertisement is not a proper reference because appellant made the invention here involved before the date of its publication, and said publication is not a statutory bar because ap-

pellant employs a different insulating material than that disclosed in said advertisement.

2. That because appellant made the claimed invention before the date of the Kalkite advertisement, it was error upon the part of the Board of Appeals to combine the disclosure of said advertisement with the disclosure of the Chase patent as a basis for finding that the involved claims lacked invention.

3. That appellant's claims are patentable, even though said references be combined.

With respect to appellant's first contention, we would observe that the Examiner made no reference to this point in his statement, nor did the Board in its original decision. Upon a motion for reconsideration, however, the Board in a second decision did discuss this point, saying:

> Appellant's main contention is that this invention was reduced to practice by this applicant long prior to July 15, 1927, the date of the Kalkite publication as established in interference No. 59,408. Yet appellant recognizes that the date of the publication is more than two years prior to the filing date of his application so that the publication is a statutory bar as to all that it discloses.
>
> It seems to be appellant's position that to defeat the appealed claims, the publication must disclose a method substantially that defined in the claims and the publication cannot be used as a primary reference with which a secondary reference is combined to meet the terms of the claims. We know of no authority in support of such contention and appellant has cited none. It is our view that the Kalkite advertisement is a proper reference as used by us.

[1] We are of the opinion that the Kalkite publication is a statutory bar against the patenting of any invention disclosed in said publication, when the date of application for patent is more than two years subsequent to the date of the publication, even though the invention sought to be patented was made prior to the date of publication. Clearly, to constitute such bar the invention disclosed in the publication need not be described in the exact terms used to describe the invention sought to be patented. It is sufficient if the same inventive concept is found in both. Were this not so a statutory bar would have little scope as barring an invention made earlier than the date of a publication, but for which an application for patent is filed more than two years after the date of the publication.

The gist of appellant's claimed invention is the diffusively spraying of dry flocculent insulating material into the wall-space of a building. The Kalkite publication discloses a similar spraying of insulating material of a different character into the wall-space of a building. If the kind of material sprayed by appellant is disclosed by the prior art, and not a part of the inventive concept, then the real invention, if any, is the spraying of insulating material into the wall-space of a building, and in such case the Kalkite publication would be a statutory bar to the allowance of appellant's claims because her application was filed more than two years after the date of said publication.

On the other hand, if the kind of material used was a part of the inventive concept because it would not be obvious to one skilled in the art to substitute it for the material disclosed in the Kalkite publication, then it might be that said publication would not constitute a statutory bar to the allowance of appellant's claims. However, the publication is certainly a statutory bar to all that it discloses.

Counsel for appellant have cited the case of *Klein* v. *Russell*, 86 U. S. 433, which they state is the only case they can find bearing upon this point. That case involved in part the question of two years' public use of a novel treatment for lamb skins by the use of a fat liquor. Upon the trial in the lower court the defendant [Klein] requested the trial judge to charge the jury as follows:

> 7th. That if fat liquor had been used substantially in the manner specified in the plaintiff's patent, for the purpose of rendering any kind of leather soft and supple, more than two years [before the plaintiff applied for a patent], the plaintiff cannot recover, even though it had not been so used in dressing bark-tanned lamb or sheep skins.

It further appears that the trial judge refused so to charge the jury, and that the basis of his refusal was the words "before the plaintiff applied for a patent." Exception to this refusal was taken. In the opinion the Supreme Court did not discuss this exception with particularity; with respect to a number of exceptions, including the one under consideration, the court contented itself with the following statement:

> "We are satisfied with the rulings of the learned judge who tried the case as to each and all of them."

The law then, as now, expressly provided that two years' public use of an invention before the date of the *application for a patent* would constitute a statutory bar, and we are of the opinion that the affirmance of the refusal of the trial court so to instruct must have been an inadvertence. At any rate, we are of the opinion that the Supreme Court would not now make a like holding, and we cannot accept the decision relied upon by appellant as controlling here.

We next come to appellant's contention that, conceding that the Kalkite publication is a statutory bar as to all that it discloses, inasmuch as appellant made the invention prior to the date of the Kalkite publication, it was error upon the part of the Board to combine its disclosure with the disclosure of the Chase patent. Upon this point the Board stated that it knew of no authority to support this contention and that appellant had cited none.

[2] Where there is a basic reference, and other patents or publications are relied upon to show that any modification of such basic reference to make it conform to the disclosure of an application would be obvious to one skilled in the art, it is merely establishing that the basic reference constitutes the entire invention for which an applicant seeks a patent, and in such case it seems to us that the basic reference would constitute a statutory bar to an application if such reference were issued or published more than two years prior to the application.

Applying the foregoing to the case at bar, we are of the opinion that the Kalkite publication discloses the entire inventive concept of appellant's prior invention. The Chase patent, issued in 1885, disclosed the use of

> "dry mill shavings, cut straw, granulated cork, or other light and elastic non-conducting material."

This certainly describes "dry flocculent material" claimed in appellant's process.

We have the Kalkite publication disclosing the invention of spraying by pneumatic means of insulating material of a certain character into the wall-spaces of buildings; at the time of said publication, and at the time appellant made her invention, the public knew through the Chase patent that dry flocculent material was excellent for insulation purposes. Therefore, the public was for more than two years prior to appellant's application in full possession of appellant's invention, unless the substitution of dry flocculent material in the Kalkite process involved the exercise of the inventive faculty. We are of the opinion that, for more than two years prior to appellant's application, to one skilled in the art it would be obvious from the prior art that dry flocculent material is desirable for insulating purposes, and that it could be sprayed into wall-spaces by the method disclosed in the Kalkite publication. Therefore, in our judgment the Kalkite publication involved the entire inventive concept that is here involved; in other words, the said publication discloses the entire invention that appellant had made prior thereto, and said publication is a statutory bar against the allowance of appellant's claims.

[3] With respect to appellant's third contention that, even if the references be combined, irrespective of the date of appellant's invention, they do not negative patentability of appellant's claims, what we have already said with respect to the two references is applicable here, and it follows that we must hold that appellant's claims are not patentable over the references.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,129,942, H. D. Arnold, Gaseous repeater in circuits of a low impedance; 1,465,332, same, Vacuum tube amplifier, C. C. A., 3d Cir., Doc. 6339–6342, *Biophone Corp.* v. *Western Electric Co. et al.* Decree affirmed Aug. 10, 1937.

1,340,328, A. B. Cooling, Driving mechanism for washing machine, D. C. Minn., 4th Div., Doc. E 1694, *Superior Machine Co.* v. *Hall Hardware Co.* Dismissed without prejudice Aug. 17, 1937.

1,357,364, H. Van Bree, Motor-driven hair clipper, filed Aug. 17, 1937, D. C., E. D. Wis. (Milwaukee), Doc. 5136, *Racine Universal Motor Co.* v. *J. Oster et al.*
1,465,332. (See 1,129,942.)

1,526,982, E. W. Hill, Stencil sheet, filed July 21, 1937, D. C., N. D. Ill., E. Div., Doc. 15706, *A. B. Dick Co.* v. *J. Mikota (Ideal Stencil & Supply Co.) et al.*

1,534,663, Sammis & Hood, Grader, filed Aug. 13, 1937, D. C. S. D. Calif., N. Div., Doc. E–16, *L. H. Sammis et al.* v. *Elliott Mfg. Co. et al.*

1,537,325, Smith & Smith, Meter box, filed Aug. 17, 1937, D. C. Wash. (Seattle), Doc. 1192, *H. E. Gere* v. *The City of Seattle et al.*

1,552,857, J. E. Kemler, Locking device for friction top cans, D. C., S. D. N. Y., Doc. E 85/78, *J. E. Kemler* v. *Continental Can Co.* Consent decree dismissing bill (notice Aug. 10, 1937).

1,579,628, Berg & Imhoff, Process of weighting fibers and the product thereof, appeal filed June 3, 1936, C. C. A., 3d Cir., Doc. 6165, *Evans et al.* v. *Textile Dyeing & Printing Co. of America, Inc.*

1,664,580, J. B. Tytus, Rolling metal strips, D. C. Del., Doc. E 1118, *The American Rolling Mill Co.* v. *Wheeling Steel Corp.* Consent decree dismissing bill July 8, 1937.

1,707,594, F. Bedell, Device for indicating oscillograph curves as stationary, filed July 21, 1937, D. C. Del., Doc. E 1214, *General Radio Co.* v. *A. B. Du Mont Laboratories, Inc.*

1,775,185, C. B. Aldrich, Mortar board cap, D. C., N. D. Ill., E. Div., Doc. 15566, *Aldrich & Aldrich, Inc.*, v. *Collegiate Cap & Gown Co.* Dismissed without prejudice July 20, 1937.

1,802,700, V. A. Boker, Nozzle for lubricating system, filed Aug. 13, 1937, D. C., N. D. Iowa, W. Div., Doc. E 437, *Min-A Max Co., Inc.*, v. *E. Sundholm.*

1,821,850, E. W. Riemenschneider, Tapered tubular pole, filed July 6, 1937, D. C., N. D. Ill., E. Div., Doc. 15684, *The Union Metal Mfg. Co.* v. *The Revere Electric Co.*

1,849,412, H. J. Strong, Trim for windows, doors, etc., filed June 12, 1937, D. C., N. D. N. Y., Doc. E 3084, *Trimpak Corp.* v. *Schenectady Lumber Co., Inc.* Doc. 3085, *Trimpak Corp.* v. *H. B. Rutland.* Doc. 3086, *Trimpak Corp.* v. *G. H. Atwater.*

1,864,384, R. Ware, Piston, D. C. Del., Doc. E 1052, *R. Ware* v. *The Pratt & Whitney Aircraft Co.* Bill and supplemental bill dismissed July 26, 1937.

1,881,474, O. D. Gibbs, Stapling machine, filed Aug. 10, 1937, D. C., S. D. N. Y., Doc. E 85/259, *O. D. Gibbs et al.* v. *W. A. Worboys Co., Inc.*

1,978,362, E. L. Fonseca, Thermostatic regulator, filed Aug. 10, 1937, D. C. Del., Doc. E 1217, *The Wilcolator Co.* v. *Sears, Roebuck & Co. et al.*

1,983,585, E. H. Van Valkenburgh, Leather surfacing machine, filed Mar. 12, 1937, D. C., N. D. N. Y., Doc. 3070, *E. H. Van Valkenburgh* v. *Behr-Manning Corp.* Doc. 3071, *Van Valkenburgh* v. *Curtin-Herbert Co., Inc., et al.*

1,986,954, F. Bedell, Apparatus for bone audition, filed July 29, 1937, D. C., N. D. N. Y., Doc. 3090, *Dictograph Products Co., Inc.*, v. *F. Bedell.*

2,007,083, C. W. Griffith, Shooting gallery, D. C., N. D. Ill., E. Div., Doc. 15495, *Phoebus Corp. et al.* v. *J. H. Keeney & Co., Inc.* Consent decree holding patent valid and infringed, injunction July 22, 1937. Doc. 15630, *Phoebus Corp. et al.* v. *Hotel Sherman, Inc.* Dismissed without prejudice June 30, 1937.

2,013,918, T. J. Kelleher, Lifting jack, D. C., E. D. Mich. (Detroit), Doc. 7625, *T. J. Kelleher et al.* v. *Standard Hardware & Auto Supply, Inc.* Decree for plaintiff Aug. 10, 1937.

2,021,233, H. F. Fink, Display case, filed Aug. 14, 1937, D. C., E. D. Mo. (St. Louis), Doc. 12,289, *Hussmann-Ligonier Co.* v. *Gamp Electric Co., Inc.*

2,024,414, I. C. Gellman, Bread slicing machine, filed July 15, 1937, D. C., N. D. Ill., E. Div., Doc. 15,691, *I. C. Gellman et al.* v. *L. Karp & Sons, Inc.*

2,028,491, Barrett & Perreault, Brake mechanism, D. C., Dela., Doc. E 1209, *G. E. Perreault et al.* v. *The Studebaker Corp.* Consent decree dismissing bill July 29, 1937.

2,051,013, H. E. Schulse, Art of beverage conditioning and dispensing, filed Aug. 17, 1937, D. C., S. D. N. Y., Doc. E 85/266, *H. E. Schulse et al.* v. *Old Dutch Brewers, Inc., et al.*

2,051,322, J. Weisbaum, Necktie, filed Aug. 11, 1937, D. C., N. D. Ill., E. Div., Doc. 15,729, *J. Weisbaum* v. *Wilson Bros.*

2,052,355, V. F. Lippard, Machine for reshaping and enlarging pistons, filed July 17, 1937, D. C., N. D. Ill., E. Div., Doc. 15,697, *V. F. Lippard et al.* v. *Linendoll Corp.*

2,080,382, E. Siegel, Hat and the manufacture thereof, filed Aug. 17, 1937, D. C., N. D. Ill., E. Div., Doc. 15,728, *Grand Trimmed Hat Mfg. Co.* v. *Sebastian Hat Co.*

2,081,514, J. Spielberger, Slide fastener, filed Aug. 16. 1937, D. C., S. D. N. Y., Doc. E 85/264, *Lockette Corp.* v. *Metropolitan Button Works, Inc.*

2,083,579, G. P. Schmitt, Razor and hair clipper, filed Aug. 19, 1937, D. C., S. D. N. Y., Doc. E 85/271, *Platinum Products Corp. et al.* v. *Remington Rand, Inc., et al.*

2,083,742, Poncher & Newman, Bumper guard, suit for declaratory judgment filed July 19, 1937, D. C., N. D. Ill., E. Div., Doc. 15,698, *G. C. Monckmeier (Ever-Lite Mfg. Co.)* v. *Erie Mfg. Co., Inc.* Doc. 15,699, *Erie Mfg. Co., Inc.*, v. *Harrison Wholesale Co. et al.*

Re. 19,866, A. Epstein, Knitted cap, D. C., S. D. N. Y., Doc. E 85/80, *Epstein & Hammer, Inc.*, v. *S. H. Kress & Co.* Consent and order of discontinuance (notice Aug. 20, 1937).

Des. 68,219, W. J. Simmons, Badge, filed Aug. 10, 1937, D. C., N. D. Ga. (Atlanta), Doc. E 835, *The Knights of the Ku Klux Klan, Inc.*, v. *Warner Bros. Pictures, Inc., et al.*

Des. 97,601, J. M. Funk, Air propeller for electric fans, filed July 21, 1937, D. C., N. D. Ill., E. Div., Doc. 15,707, *Marathon Electric Mfg. Corp.* v. *Montgomery Ward & Co., Inc.*

Des. 102,487, L. H. Mendelsohn, Hosiery, D. C., S. D. N. Y., Doc. E 85/147, *Excello Hosiery Mills* v. *Oppenheim Collins & Co., Inc.* Consent decree for plaintiff (notice Aug. 13, 1937).

Des. 102,547, T. Coleman, Blouse, D. C., N. D. Ill., E. Div., Doc. 15,683, *A. S. Gross, Inc.*, v. *J. B. Kanter et al. (Kanter & Goldbarth)*. Injunction July 23, 1937. Same, filed Aug. 4, 1937, D. C., N. D. Ill., E. Div., Doc. 15,722, *A. S. Gross, Inc.*, v. *Twentieth Century Dresses, Inc.*

Des. 104,138, D. A. Grandinetti, Combined fruit and vegetable expresser and strainer, filed July 13, 1937, D. C., N. D. N. Y., Doc. 3089, *V. G. Bourquin et al. (Savoy Press Mfg. Co.)* v. *D. A. Grandinetti.*

Des. 105,253, J. P. Young, Tucked textile fabric, filed July 26, 1937, D. C., N. D. Ill., E. Div., Doc. 15,712, *Advance Button & Pleating Co.* v. *Well Made Novelty Co., Inc.*

Des. 105,454, G. Spitzer, Textile fabric, filed Aug. 10, 1937, D. C., S. D. N. Y., Doc. E 85/258, *Maison France, Inc.*, v. *Schoffer & Tieger, Inc.*

T. M. 330,556, J. R. Stimps, Radio antenna, filed Aug. 11, 1937, D. C., N. D. Ill., E. Div., Doc. 15,730, *J. R. Stimps (Northwest Radio Laboratories)* v. *Montgomery Ward & Co.*

Disclaimers

1,633,011.—*Harry W. Frost*, Detroit, Mich. SPRING SUSPENSION FOR RAILWAY CARS. Patent dated June 21, 1927. Disclaimer filed October 6, 1937, by the assignee, *The Frost Railway Supply Co.*

Hereby enters this disclaimer to claims 1, 2, and 5 of said patent.

1,899,635.—*Thomas Kilpatrick Powrie*, Paisley, Scotland. MEANS FOR LUBRICATING RINGS AND TRAVELERS IN DOUBLING AND LIKE FRAMES. Patent dated February 28, 1933. Disclaimer filed October 5, 1937, by the patentee; the assignee, *Eadie Brothers & Company Limited*; and the exclusive licensee, *Whitinsville Spinning Ring Company.*

Hereby enters this disclaimer of claims 1, 2, and 4 in said specification.

2,020,132.—*Frederick W. Binns*, Quincy, Mass. METHOD OF BLEACHING MINERAL MATTER. Patent dated November 5, 1935. Disclaimer filed October 8, 1937, by the assignee, *Virginia Smelting Company.*

Hereby enters this disclaimer to the subject matter of claim 4 of said patent in so far as it includes the treatment of mineral matter with sulphur dioxide and zinc metal in an aqueous medium reactively dilute in zinc metal.

2,042,770.—*Milton E. Chandler*, South Bend, Ind. CARBURETOR. Patent dated June 2, 1936. Disclaimer filed September 23, 1937, by the assignee, *Bendix Aviation Corporation.*

Hereby enters disclaimer to claim 3 of said patent.

Trade-Mark Registrations Canceled

51,818. Ginger-ale. Adolf R. Holthusen, New York, N. Y. Registered April 24, 1906. Renewed April 24, 1926. Canceled October 8, 1937.

136,302. Garters and hose-supporters. American Textile Products Company, Rochester, N. Y. Registered November 2, 1920. Canceled October 8, 1937.

210,162. Ladies' and children's dresses and aprons. Korach Brothers, Chicago, Ill. Registered March 9, 1926. Canceled October 8, 1937.

338,974. Golf balls. Ford Hopkins Company, doing business as Golf King Co., Chicago, Ill. Registered September 22, 1936. Canceled October 8, 1937.

340,624. Plastic sheet material. Detroit Paper Products Corporation, Detroit, Mich. Registered November 17, 1936. Canceled October 8, 1937.

342,053. Toilet paper, paper napkins and cleansing tissue. R. B. Martle, Inc., New York, N. Y. Registered December 29, 1936. Canceled October 8, 1937.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 2, 1937

[VOL. 484. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 393,866. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed June 9, 1937.

MINNESOTA MINING & MFG CO. · 3MC · B-A · SINCE 1828 · ST. PAUL, MINN.

The words "St. Paul, Minn." are disclaimed apart from the mark.

For Quartz, Quartzite, Digester, Filter, and Sandpaper Quartz, Aggregate, Plaster, Gravel, Sand, Sand Filler, Silica Flour, Silica, Bird, Pigeon and Chick Grit, Run of Quarry, Garnet, Corundum, and Roofing Granules.

Claims use since December, 1929.

Ser. No. 394,697. COMMERCIALE ITALIANA SOCIETÀ ANONIMA PER IL RAYON CISA-RAYON, Rome, Italy. Filed June 30, 1937.



The words "Rayon" and "Roma" are disclaimed apart from the mark.

For Artificial Textile Fibres.

Claims use since 1934.

Ser. No. 396,034. GARDEN STATE TANNING CO., New York, N. Y. Filed Aug. 5, 1937.

FRENCH PROCESS SUEDE

The drawing is lined for blue. The words "French Process Suede" are disclaimed apart from the mark.

For Raw Hides.

Claims use since January, 1936.

Ser. No. 396,457. EZ-FIRE COMPANY, Ludowici, Ga. Filed Aug. 16, 1937.

EZ-FIRE

The word "fire" is disclaimed apart from the mark.

For Kindling Blocks.

Claims use since June 20, 1937.

Ser. No. 397,008. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Sept. 1, 1937.

TECA

For Synthetic Staple Fiber.

Claims use since July 31, 1937.

Ser. No. 397,021. ANDREW G. CLUNE, doing business as National Fur Institute, Brooklyn, N. Y. Filed Sept. 2, 1937.



HUDSON SEAL

The words "Hudson Seal" are disclaimed apart from the mark.
For Hudson Seal Fur.
Claims use since February, 1937.

Ser. No. 397,093. VERZA TANNING CO., Peabody, Mass. Filed Sept. 3, 1937.

VELBUK

For Partly-Prepared and Finished Leathers.
Claims use since Nov. 12, 1935.

Ser. No. 397,230. WILLARD HELBURN, INC., Salem, Mass. Filed Sept. 9, 1937.

SYLVAR

For Leather.
Claims use since Aug. 1, 1937.

Ser. No. 397,394. VERZA TANNING CO., Peabody, Mass. Filed Sept. 13, 1937.

VELSKIN

For Partly-Prepared and Finished Leathers.
Claims use since March, 1917.

CLASS 2

Receptacles

Ser. No. 391,480. LAMCOTE, INCORPORATED, Chicago, Ill. Filed Apr. 17, 1937.

LAMCOTE

For Cartons, Packages, Boxes, and Bags Formed of a Multi-Ply Product Comprising Essentially a Ply of Paper or Fiberboard Having Adhesively United Thereto a Ply of Transparent Material.
Claims use since Nov. 12, 1936.

Ser. No. 397,111. ELECTRO-COSMIC, INC., Chicago, Ill. Filed Sept. 4, 1937.

PRESERVO Silk Sax ODORPROOF CONTAINERS

The words "silk odorproof containers" are disclaimed.
For Odorproof Containers Made of Oil Silk.
Claims use since Aug. 4, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 394,155. LELIUS C. ZANDER, doing business as Valzan Manufacturing Company, Van Nuys, Calif. Filed June 16, 1937.

Hip-o-Kit

The word "Kit" is disclaimed apart from the mark.
For Salesmen's Portfolios Containing Sales Forms, Order Pads, and Order Books.
Claims use since May 17, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 396,474. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 16, 1937.

L'ADORE

For Toilet Soap.
Claims use since June 29, 1937.

Ser. No. 397,058. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Sept. 2, 1937.

Esso

For Leather Oil.
Claims use since June 29, 1937.

CLASS 5

Adhesives

Ser. No. 395,872. MANHATTAN LUBRICANTS CO., INC., Brooklyn, N. Y. Filed July 31, 1937.

Aligo

For Non-Slip Composition for Pulleys.
Claims use since July 26, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 366,669. MEAD PAPERBOARD CORPORATION, Wilmington, Del., assignor to The Mead Corporation, Chillicothe, Ohio, a corporation of Ohio. Filed June 26, 1935.

PLASTICADE

For Material in the Nature of a Chemical for Utilization with Clay in the Manufacture of Brick, Pottery, and the Like to Improve the Strength and Other Qualities Thereof.
Claims use since Feb. 21, 1935.

Ser. No. 376,974. R. W. NOLAND, doing business as Noland Feed Company, Casper, Wyo. Filed Apr. 8, 1936.

NO-SCIPS

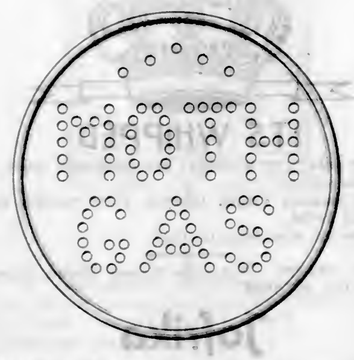
For Livestock Mineral Concentrate, Consisting of Steamed Bone Meal, Calcium (Ground Limestone), Tricalcium Phosphate, Potassium Iodide, Sulphur, Iron Oxide.
Claims use since Sept. 1, 1935.

Ser. No. 378,481. CORNELIA W. DAVENPORT, Philadelphia, Pa. Filed May 15, 1936.

BEAU GESTE

For Dry Rouges, Face Powders, Body Powders, Bath Salts, Bath Powders, and Perfumes.
Claims use since Mar. 6, 1930.

Ser. No. 380,112. THE LEWY CHEMICAL CO., New York, N. Y. Filed June 23, 1936.



For Insecticides.
Words "Moth Gas" under 10-year clause.
Claims use since Nov. 8, 1927 for entire mark; since October, 1894 for the words "Moth Gas".

Ser. No. 380,113. THE LEWY CHEMICAL CO., New York, N. Y. Filed June 23, 1936.

MOTH-GAS LIQUID FROST

For Insecticides.
Words "Moth Gas" under 10-year clause.
Claims use since Jan. 15, 1931 for entire mark; since October, 1894 for the words "Moth Gas".

Ser. No. 380,114. THE LEWY CHEMICAL CO., New York, N. Y. Filed June 23, 1936.

MOTH-GAS HAIL

For Insecticides.
Words "Moth Gas" under 10-year clause.
Claims use since Nov. 8, 1927 for entire mark; since October, 1894 for the words "Moth Gas".

Ser. No. 383,769. EMIL EINHORN, New York, N. Y. Filed Sept. 29, 1936.



ITS WHIPPED

The words "It's Whipped" are disclaimed apart from the mark shown.

For Cleansing Cream, Lipstick, Face Powder, Rouge, and Nail Polish.

Claims use since Sept. 15, 1936.

Ser. No. 384,798. JOHANNES KARBE, Berlin, Germany. Filed Oct. 26, 1936.

Jofrika

For Cosmetics, Perfumes, Creams, and Like Preparations for the Treatment of the Skin and Hair.

Claims use since December, 1932.

Ser. No. 384,826. ROBERT A. WANGEMAN, doing business as Hamilton Chemical Co., Sheboygan, Wis. Filed Oct. 26, 1936.

X-Zil

For Antiseptic Counter Irritant.

Claims use since August, 1936.

Ser. No. 385,071. STYLE-BROW, INC., Central Valley, N. Y. Filed Nov. 2, 1936.

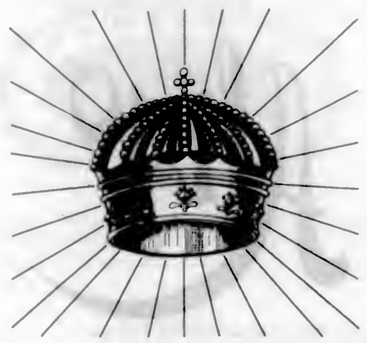


The words "The Eye-Line to Beauty" are disclaimed apart from the mark.

For Cream for the Relief of Pain in Eyebrow Tweezing.

Claims use since May 27, 1930.

Ser. No. 385,274. FLOREX LABORATORY, Los Angeles, Calif. Filed Nov. 9, 1936.



For Pharmaceutical Acidophilus Compound.

Claims use since Apr. 1, 1935.

Ser. No. 386,416. ERNEST DUTCHMAN, London, England. Filed Dec. 7, 1936.

"BRONCIG"

For Preparation To Be Used on Cigarette or Pipe Tobacco to Counteract the Irritation of the Bronchial and Nasal Passages Caused by Smoke.

Claims use since Sept. 20, 1935.

Ser. No. 387,088. MAISON JEURELLE-SEVENTEEN, INC., New York, N. Y. Filed Dec. 23, 1936.

LIMITED EDITION

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes and Toilet Waters.

Claims use since Oct. 29, 1936.

Ser. No. 387,872. KANE & COMPANY, Fort Worth, Tex. Filed Jan. 16, 1937.

Wonder Water

The word "Water" is disclaimed apart from the mark.

For Compounded Mineral Water.

Claims use since June 1, 1936.

Ser No. 388,832. FLOYD R. DUDGEON, doing business as Lyric Beauty Products, Oakland, Calif. Filed Feb. 12, 1937.



The words "Beauty Products" apart from the mark shown and the outline of the label are disclaimed.

For Beauty Products—Namely, Cleansing Cream, Tissue Cream, Hand Cream, Finishing Cream, Foundation Cream, Reducing Cream, Restorant Cream, Hand Lotion, Toning Lotion, Astringent, Liquid Face Powder, Cream Face Powder, Face Powder, Bath Powder, Astringent Powder, Complexion Clay, Deodorant Cream, Deodorant Stick, Muscle Oil, Liquid Cleanser, Shampoo, Depilatory, Lipstick, Powder Rouge and Paste Rouge, Mascara, Eye Shadow, Eyebrow Pencil, Beauty Grains in the Form of an Effervescent Compound Used in Cases of Acid Skin, Dental Powder, Hair Tonic, Compacts Containing Rouge and Powder, and Perfume.

Claims use since Dec. 15, 1936.

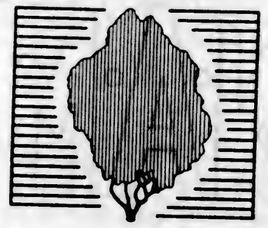
Ser. No. 388,952. MIDWAY CHEMICAL CO., Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey. Filed Feb. 15, 1937.

Ridz

For Insecticides and for Compounds Having an Odor Repulsive to Animals.

Claims use since Jan. 22, 1937.

Ser. No. 390,333. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Mar. 20, 1937.



The colors in the mark are green and brown.

For Wood Preservative and Vermicide.

Claims use since Mar. 21, 1934.

Ser. No. 392,566. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed May 10, 1937.

Cyclopal

For Hypnotic Preparation.

Claims use since Dec. 11, 1936.

Ser. No. 392,837. ARISTOPHARM A.-G. (ARISTOPHARM S. A.), (ARISTOPHARM LTD.), Basel, Switzerland. Filed May 17, 1937.

CAPOLETS

For Medical Compound or Preparation Recommended for the Relief and Treatment of Gall Stones.

Claims use since Oct. 14, 1935.

Ser. No. 393,160. CRYSTEX LABORATORIES, INC., Charlton, Iowa. Filed May 24, 1937.

KRYSTOX

For Liquid Preparation for the Treatment of Athlete's Foot.

Claims use since April, 1937.

Ser. No. 393,184. ROMEO PARENT, doing business as Laboratories Lorbis, Montreal, Quebec, Canada. Filed May 24, 1937.

ZYMOPHOS

For Nerve and Digestive Tonics.

Claims use since July 1, 1936.

Ser. No. 393,806. EDWARD L. GOSLAW, Boulder Creek, Calif. Filed June 8, 1937.

N·A·M

For Compound for the Treatment of Neuritis, Arthritis, and Muscular Rheumatism.
Claims use since Jan. 1, 1937.

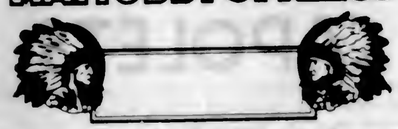
Ser. No. 393,869. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed June 9, 1937.

WormSweep

The word "Worm" is disclaimed except as shown in the drawing.
For Worm Expellers for Animals and Fowl.
Claims use since Apr. 24, 1937.

Ser. No. 394,040. HEWETT & ECKEL, doing business as Maytubby Springs Company, Durant, Okla., and Dallas, Tex. Filed June 14, 1937.

MAYTUBBY SPRINGS



For Ointments and Salves for Use in the Treatment of Cuts, Bruises, Sprains, Burns, Sunburns, Eczema, Piles, Hemorrhoids, Insect Bites, Skin Disorders, Eyewash, and for the Treatment of Cuts, Bruises, and Abrasions of Animals.
Claims use since June 1, 1936.

Ser. No. 394,676. M. P. MOSEY, Sea Gate, Brooklyn, N. Y. Filed June 29, 1937.

WET NOT
7-L COMPOUND

The words "Wet Not" and "Compound" are disclaimed apart from the mark as shown.
For Compound to Regulate the Urine.
Claims use since Feb. 1, 1936.

Ser. No. 394,832. FABERGÉ INC., New York, N. Y. Filed July 3, 1937.

APHRODISIA

For Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Lotions for the Skin and Hair, and Shampoos.
Claims use since Feb. 2, 1932.

Ser. No. 395,179. OSTERREICHISCHE SERUM-GESELLSCHAFT M. B. H., Vienna, Austria. Filed July 12, 1937.

VIPRHIN

For Snake Toxine in Liquid and Unguent Form for Injections and Liniments to be Used as a General Analgeticum and in the Treatment of Diseases of the Tissues, Neurotic and Inflammatory Diseases and Affections of the Nose.
Claims use since June 11, 1937.

Ser. No. 395,210. VARNISH PRODUCTS COMPANY, Cleveland, Ohio. Filed July 14, 1937.

NEG-O-LAC

The word "Lac" is disclaimed apart from the use of the mark.
For Chemical Supplies for Photo-Engraving.
Claims use since June 7, 1937.

Ser. No. 395,285. SPIROS COOCHICOS, New York, N. Y. Filed July 16, 1937.

TROEL

For Preparation for Removal of Dandruff, Hair Tonic, Preparation for Relieving Itching of Scalp, Preparation for Prevention of Falling Hair, Preparation for Adding Lustre to Hair.
Claims use since July 2, 1936.

Ser. No. 395,293. HERCULES POWDER COMPANY, Wilmington, Del. Filed July 16, 1937.

D.H.S.
Activator

The word "Activator" is disclaimed apart from the mark.
For Active Chemical Ingredient Used in Insecticides Having Insecticidal Properties, Itself, and the Capacity of Increasing the Insecticidal Efficiency of Other Compounds When Added to Them.
Claims use since Dec. 3, 1936.

Ser. No. 395,413. FORD HOPKINS COMPANY, also doing business as The Laxative Clinic, Chicago, Ill. Filed July 19, 1937.

MORNING GLORIES

For Laxative in Tablet Form.
Claims use since September, 1930.

Ser. No. 395,437. VIVER CHEMICAL COMPANY, Carthage, N. Y. Filed July 19, 1937.

VIVER

For Nerve Tonic.
Claims use since May 11, 1937.

Ser. No. 395,573. MARTON FRERES, INC., New York, N. Y. Filed July 23, 1937.

NONCHALANT

For Cosmetics, Particularly for Perfumes.
Claims use since Dec. 15, 1936.

Ser. No. 395,603. ABBÉ WALLACE COSMETICS, INC., Atlanta, Ga. Filed July 24, 1937.

DREAM
NUMBER

For Perfume, Vanishing Cream, Bleaching Cream, Hair Dressing, Face Powder, and Incense.
Claims use since June 25, 1937.

Ser. No. 395,645. MARATHON PAPER MILLS COMPANY, doing business as Marathon Chemical Company, Rothschild, Wis. Filed July 26, 1937.

MARATHON
EXTRACT

The word "Extract" is disclaimed apart from the mark.
For Tannery Materials and Extracts in Both Liquid and Solid Forms, Both of which Contain Lignin-Sulphonic Acid Compounds.
Claims use since July 19, 1937.

Ser. No. 395,723. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed July 28, 1937.

DEPROPANEX

For Pancreatic Extract Freed of Insulin and Other Proteins.
Claims use since July 22, 1937.

Ser. No. 395,843. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J. Filed July 30, 1937.

PARASHADE

For Dye for Oils.
Claims use since July 9, 1937.

Ser. No. 395,889. WALGREEN CO., doing business as Carrel, Chicago, Chicago, Ill. Filed July 31, 1937.

· TIDY ·

For Deodorant.
Claims use since September, 1928.

Ser. No. 395,916. FRANK J. HEILMANN, doing business as Heilmann's, Los Angeles, Calif. Filed Aug. 2, 1937.

HEILMANN'S
FORMULA
"99"

The word "Formula" is disclaimed apart from the mark.
For Gout and Rheumatic Medicine.
Claims use since Apr. 6, 1936.

Ser. No. 395,917. FRANK J. HEILMANN, doing business as Heilmann's, Los Angeles, Calif. Filed Aug. 2, 1937.

HEILMANN'S
FORMULA
"40"

The word "Formula" is disclaimed apart from the mark.
For Laxative Preparation.
Claims use since Apr. 6, 1936.

Ser. No. 395,951. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Aug. 3, 1937.

MONOCAINE

For Local Anesthetic Material Made in Solution, Powdered, or Tablet Forms.
Claims use since Mar. 12, 1937.

Ser. No. 395,952. NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Aug. 3, 1937.

TABESTHESIN

For Material for Use as a Surface Anesthetic, by Combining the Same with Thymol and Benzocaine, Such Material Being in Paste or Powdered Forms.
Claims use since July 9, 1937.

Ser. No. 395,999. THE MALTINE COMPANY, New York, N. Y. Filed Aug. 4, 1937.

Maltine's

For Medicinal Compounds, More Particularly Bile Salts Tablets, Ferrous Sulfate Tablets, Hematinic Capsules, and Cod Liver Oil Concentrate Tablets.
Claims use since May 15, 1935.

Ser. No. 396,056. JAYMAR'S INC., Denver, Colo. Filed Aug. 3, 1937.

JAYMAR'S

For Skin Lotions.
Claims use since June 28, 1937.

Ser. No. 396,119. BEAUMONT S. CORNELL, Fort Wayne, Ind. Filed Aug. 7, 1937.

Anamin

For Preparation for the Treatment of Neoplasms.
Claims use since Aug. 5, 1937.

Ser. No. 396,286. C. F. VAN DAM, Los Angeles, Calif. Filed Aug. 11, 1937.

FELTABS

For Bile Tablets for the Purpose of Arousing Intestinal Activity and Relieving Constipation.
Claims use since June 11, 1937.

Ser. No. 396,301. JOSEPH DI MAURO, Ansonia, Conn. Filed Aug. 12, 1937.

POLYPUF

For Medicinal Preparation for the Treatment of Piles and Hemorrhoids.
Claims use since June 1, 1937.

Ser. No. 396,347. NATHAN BARON, Jamaica, N. Y. Filed Aug. 13, 1937.

NAZ-DROW

For Cough Mixture for Children, Cough Mixture for Adults, and Liniments.
Claims use since March, 1935.

Ser. No. 396,351. CLEVELAND CHEMICAL ASSOCIATES, INCORPORATED, Cleveland, Ohio. Filed Aug. 13, 1937.

Creamalin

For Colloidal Cream of Aluminum Hydroxide for the Treatment of Peptic Ulcer, To Be Taken Internally.
Claims use since August, 1932.

Ser. No. 396,421. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed Aug. 14, 1937.

Zyloxin

For Organic Mercurial Antiseptic.
Claims use since May 13, 1937.

Ser. No. 396,478. PAUL ROSEN, doing business as Rid Company, New York, N. Y. Filed Aug. 16, 1937.

RID

For Mouth Deodorant.
Claims use since July 16, 1937.

Ser. No. 396,532. EVER-PLASTICS CORPORATION, New York, N. Y. Filed Aug. 18, 1937.

GRAFTEX

For Preparation for Use in the Grafting and Dressing of Trees and Plants.
Claims use since Aug. 11, 1937.

Ser. No. 396,576. ROBERT J. PIERCE, INC., New York, N. Y. Filed Aug. 19, 1937.

PierSol

For Anodyne Tablets for Use in Aiding Comfort During Menstruation and Also for Use in Common Colds for Reducing the Fever Which Usually Accompanies the Same, as well as for the Treatment of Pain from Simple Headaches and Neuralgia.
Claims use since July 21, 1937.

Ser. No. 396,609. NEW PRODUCTS CORPORATION, Indianapolis, Ind. Filed Aug. 20, 1937.

VITA WHITE

The word "White" is disclaimed apart from the mark.
For Bleaching Antiseptic and Germicidal Compound Having Incidental Cleaning Properties.
Claims use since May 6, 1937.

Ser. No. 396,654. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 21, 1937.

LARVEX

For Insecticide and Moth-Proofing Composition.
Claims use since Aug. 2, 1922.

Ser. No. 396,829. NOURISHINE SALES CO., Los Angeles, Calif. Filed Aug. 27, 1937.

M.H. Jr.



For Dandruff Removing Tonic, Gray Hair Tonic, Hand Lotion, Olive Oil Shampoo, Hair Rinse, and Hair Bleach.
Claims use since Aug. 3, 1937.

Ser. No. 396,922. KILGORE DEVELOPMENT CORPORATION, Washington, D. C. Filed Aug. 30, 1937.

SUN-DARE

For Suntan Lotion.
Claims use since Aug. 26, 1937.

Ser. No. 397,034. LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed Sept. 2, 1937.

COSMIC RAY

For Hair and Scalp Conditioner, Rouge, Mascara, Nail Polish, Nail Polish Remover, Hand Lotion, Face Lotion, Hair Wave Lotion, After Shave Lotion, Talcum Powder, After Shave Talc, Shampoo, Liniment for External Use, Hair Oil, Muscle Oil, Lip Stick, Cuticle Remover, Eye Shadow, Astringent, Bath Salts, Body Powder, Hair Tonic, Tooth Paste, Perfumes, Face Powder, Cleansing Cream, Tissue Cream, All Purpose Cream, Cold Cream, Vanishing Cream and Nourishing Cream.
Claims use since June 7, 1933, on toilet creams, and since August 5, 1937, on the balance of the items.

Ser. No. 397,035. LOS ANGELES SOAP COMPANY, Los Angeles, Calif. Filed Sept. 2, 1937.

COSRAY

For Hair and Scalp Conditioner, Face Powder, Rouge, Lip Stick, Nail Polish, Cleansing Cream, Cold Cream, Tooth Soap, Talcum Powder, Eye Shadow, Cuticle Remover, After Shave Talc, Bath Salts, Face Lotion, Nourishing Cream, Mascara, Perfumes, Body Powder, Hair Oil, Hair Wave Lotion, Astringent, All Purpose Cream, Shampoo, and Skin Freshener.
Claims use since Sept. 27, 1935, on cleansing cream, face lotion and nail polish, and since Aug. 5, 1937, on the balance of the items.

Ser. No. 397,065. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Sept. 3, 1937.

ACIDONE

For Remedy for Hypoacidity and Digestive Disorders.
Claims use since 1913.

Ser. No. 397,080. JOSEPH HENRY KARP, New York, N. Y. Filed Sept. 3, 1937.

karbomint

For Chewing Gum Used to Relieve Acidosis.
Claims use since May 1, 1913.

Ser. No. 397,136. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Sept. 4, 1937.

MELVARON

For Medicinal Preparation Containing Malt Extract, Vitamins, and Iron Useful, Among Other Things, for the Treatment of Malnutrition.
Claims use since Aug. 24, 1937.

Ser. No. 397,138. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Sept. 4, 1937.

RETICULOGEN

For Medicinal Preparation Containing a Concentrated Solution of Liver Extract and Vitamin B_1, Useful, Among Other Things, for the Treatment of Pernicious Anemia.
Claims use since Aug. 24, 1937.

Ser. No. 397,139. MUSHER AND COMPANY, INCORPORATED, New York, N. Y. Filed Sept. 4, 1937.

OILEX

For Laxative Medicinal Oil.
Claims use since Sept. 3, 1937.

Ser. No. 397,160. YORK DRUG CO., INC., New York, N. Y. Filed Sept. 4, 1937.

EPHEDRINETS

For Medicated Cigarettes for the Relief of Asthma, Hay Fever, Sinus Headache, Throat and Bronchial Irritation, and Nasal Congestion.
Claims use since January, 1937.

Ser. No. 397,164. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 7, 1937.

ENTERABS

For Orally Administered Medicaments for Intestinal Treatment and Provided with an Enteric Coating in the Form of an Envelope Made of Synthetic Resin.
Claims use since July 20, 1937.

Ser. No. 397,165. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 7, 1937.

IBERIN

For Product for Oral Administration in the Treatment of Anemia.
Claims use since Aug. 2, 1937.

Ser. No. 397,166. ABBOTT LABORATORIES, North Chicago, Ill. Filed Sept. 7, 1937.

ISOHALANT

For Isotonic Aqueous Solution for Relieving Congestion of the Mucous Membrane of the Respiratory Tract.
Claims use since Aug. 1, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 396,463. KAUFMANN BROS. & BONDY, INC., West New York, N. J. Filed Aug. 16, 1937.

Flame Grain

The word "Grain" is disclaimed apart from the mark.
For Pipes.
Claims use since Mar. 11, 1937.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 397,668. DEAN W. KING, doing business as King Gun Sight Co., San Francisco, Calif. Filed Sept. 22, 1937.

COCKEYED

For Asymmetrical Pistol Hammers.
Claims use since December, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 396,525. WOBURN DEGREASING COMPANY OF NEW JERSEY, Kearny, N. J. Filed Aug. 17, 1937.

ISOLINE.

For Drying Oils for Printing Inks.
Claims use since Dec. 19, 1935.

CLASS 12

Construction Materials

Ser. No. 389,595. AMERICAN CONCRETE EXPANSION JOINT CO., Chicago, Ill. Filed Mar. 3, 1937.



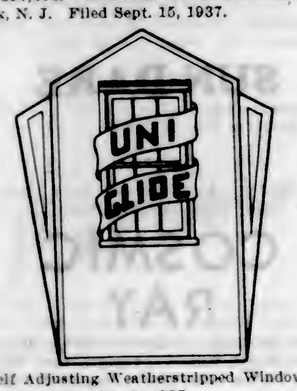
For Joints for Concrete Roads and the like of the Character That Become an Integral Part of the Structure—Namely, Expansion Joints, Contraction Joints, and Construction Joints.
Claims use since January, 1937.

Ser. No. 392,990. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed May 19, 1937.

EXTRUDALITE

For Sash and Store Front Constructions, Metal Mountings for Glass Sheets or Plates, and Accessories Therefor—Namely, Vertical and Horizontal Division Bars, Strips, Plates, and Moldings; Sill, Jamb and Cover Bars, Strips, Plates, and Moldings; Corner Caps and Anchors; Transom Bars, Strips, Plates, and Moldings; Awning Bars, Strips, Plates, and Moldings; and Awning Enclosures.
Claims use since May 12, 1937.

Ser. No. 397,464. WHITTIER LUMBER & MILLWORK CO., Newark, N. J. Filed Sept. 15, 1937.



For Self Adjusting Weatherstripped Window Units.
Claims use since June 7, 1937.

Ser. No. 397,476. A. C. LONG, doing business as Long Fir Gutter Company, Cadiz, Ohio. Filed Sept. 16, 1937.

"Shadowline"

For Gutters.
Claims use since Apr. 1, 1931.

Ser. No. 397,505. EVER-PLASTICS CORPORATION, New York, N. Y. Filed Sept. 17, 1937.

TILON

For Plastic Compounds for Setting Glass, Ceramic, Metal, and Composition Tiles and Glass Brick.
Claims use since Sept. 7, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 383,032. REBEL MANUFACTURING CO., INC., Brooklyn, N. Y. Filed Sept. 8, 1936.

REBEL

For Shade Hangers.
Claims use since Nov. 14, 1935.

Ser. No. 395,893. AMERICAN IRON & MACHINE WORKS COMPANY, Oklahoma City, Okla. Filed Aug. 2, 1937.



The drawing is lined for red and blue.
For Check-Valves, Float-Valves, Gate-Valves, Relief Valves, Release Valves, Hose-Couplings, Packing-Glands, Pipe-Slips, Water Softening Apparatus of the "Trap" Type, and Pipe Couplings.
Claims use since August, 1928.

Ser. No. 396,020. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa. Filed Aug. 5, 1937.

HUSTLER

For Base Metal Table and Cooking Hollow Ware.
Claims use since July 27, 1937.

Ser. No. 396,411. KRISCHER TRADING CORPORATION, Brooklyn, N. Y. Filed Aug. 14, 1937.



The word "Brand" is disclaimed apart from the mark.
For Furniture Casters, Nails, Tacks, and Hardware for Curtain Rods, Drapery, and Venetian Blinds.
Claims use since June 15, 1937.

Ser. No. 396,848. CHARLES G. WALL, Philadelphia, Pa. Filed Aug. 27, 1937.

MODERATOR

For Combination Hot and Cold Water Control Valve for Plumbing Fixtures.
Claims use since Aug. 4, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 397,141. THE MIDVALE COMPANY, Nicetown, Philadelphia, Pa. Filed Sept. 4, 1937.

MULTOLE

For Tool Steel.
Claims use since Aug. 18, 1937.

Ser. No. 397,220. THE MIDVALE COMPANY, Nicetown, Philadelphia, Pa. Filed Sept. 8, 1937.

SMOOTH 'OLE

For Drill Steel.
Claims use since Nov. 23, 1936.

Ser. No. 397,435. DOEHLER DIE CASTING CO., New York, N. Y. Filed Sept. 15, 1937.

DOLER-ALUMIN

For Castings Made from Aluminum Alloys.
Claims use since July 15, 1937.

CLASS 15

Oils and Greases

Ser. No. 381,854. SOUTHPORT PETROLEUM COMPANY, Kilgore, Tex. Filed Aug. 5, 1936.



For Gasoline.
Claims use since Mar. 13, 1936.

Ser. No. 395,466. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed July 21, 1937.

PENN
AMOCO

For Lubricating Oils and Greases.
Claims use since June 30, 1937.

Ser. No. 396,593. CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Aug. 20, 1937.

Q T

For Quenching Oil.
Claims use since July 22, 1937.

Ser. No. 396,594. CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Aug. 20, 1937.

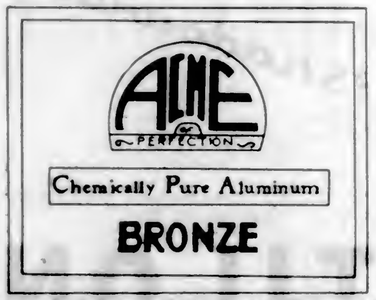
P V

For Journal and Heavy Duty Oil.
Claims use since July 22, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 392,513. ACME BRONZE POWDER COMPANY, New York, N. Y. Filed May 10, 1937.



The words "of perfection", "chemically pure aluminum" and "bronze" are disclaimed apart from the mark.
For Aluminum Paint, Aluminum Paste, Bronzing Liquids, Aluminum and Bronze Powders.
Claims use since February, 1928.

Ser. No. 392,839. WALTER G. BARYL, doing business as Re-Vi-Vo Products, Chicago, Ill. Filed May 17, 1937.

RE-VI-VO

For Polishes or Sealers for Cleaning and Polishing Painted, Varnished, or Other Finished Surfaces.
Claims use since May 8, 1937.

Ser. No. 395,376. CHARLES ATWOOD SYMMES, doing business as Mirrorwax Co., Danvers, Mass. Filed July 17, 1937.

MIRRORWAX

For Automobile and Furniture Polish.
Claims use since March, 1937.

Ser. No. 395,954. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Aug. 3, 1937.

COOLITE

For Prepared Aluminum Powders and Pastes, and a Liquid Vehicle Adapted to be Mixed Therewith to Provide a Material for Use as a Paint, Protective Coating, and Heat Reflecting Medium.
Claims use since October, 1935.

Ser. No. 396,554. ACME WHITE LEAD AND COLOR WORKS, Detroit, Mich. Filed Aug. 19, 1937.



The drawing is lined for white, black, and gold. The words "Master Painters' Products" are disclaimed apart from the mark.
For Ready Mixed Paints.
Claims use since Feb. 1, 1929.

Ser. No. 397,596. THE WESTERN AUTO SUPPLY COMPANY, doing business as Western Auto Stores, Kansas City, Mo. Filed Sept. 17, 1937.

Nam-I-Tone

For Paint Enamel.
Claims use since Apr. 5, 1937.

CLASS 17

Tobacco Products

Ser. No. 394,659. ANTONIO CAPORALE, doing business as Caporale Brothers Company, Boston, Mass. Filed June 29, 1937.



The name "Caporale" is disclaimed apart from the mark.
For Cigars.
Claims use since Mar. 15, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 376,351. KOEHRING COMPANY, Milwaukee, Wis. Filed Mar. 24, 1936.

TRAILDUMP

For Tractor-Trucks.
Claims use since March, 1935.

Ser. No. 394,906. PALACE TRAVEL COACH CORPORATION, Flint, Mich. Filed July 6, 1937.



For Trailers.
Claims use since May 15, 1936.

Ser. No. 396,130. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Aug. 7, 1937.



For Hot Water Heaters for Automobiles.
Claims use since May, 1930.

Ser. No. 396,790. THE SLEETEX CO. INC., New York, N. Y. Filed Aug. 26, 1937.

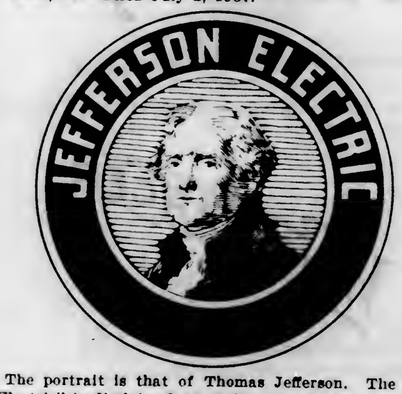


For Vehicle Windshield Wiper Blades.
Claims use since July 1, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 394,786. JEFFERSON ELECTRIC COMPANY, Bellwood, Ill. Filed July 2, 1937.



The portrait is that of Thomas Jefferson. The word "Electric" is disclaimed apart from the mark.
For Auto Transformers, Radio Transformers, Ionizing Transformers, Luminous Tube Transformers, Ignition Transformers, Vapor Lamp Transformers, Toy Transformers, Door Bell Transformers, Street Lighting Transformers, Mercury Switches, Motor Starting Switches, Wall Switches, Bracket Switch Boxes, Cable Boxes, Plug Fuses, Cartridge Fuses (Renewable and Non-Renewable), Fuse

Links, Fuse Strips, Fuse Wire, Chassis Base for Amplifier, Cutout Bases, Field Supply and Filter Choke, Outlet Boxes, and Covers and Hangers Therefor, Sectional Switch Boxes, Solenoids.
Claims use since Feb. 10, 1916.

Ser. No. 396,429. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Aug. 14, 1937.

CSP

For Electric Transformers.
Claims use since March, 1936.

Ser. No. 396,591. BASTIAN-MORLEY CO. INC., La Porte, Ind. Filed Aug. 20, 1937.

PREMIER ELECTRIC

The word "Electric" is disclaimed apart from the mark.
For Electric Water Supply Heaters.
Claims use since July, 1926.

Ser. No. 396,908. BURGESS BATTERY COMPANY, Chicago, Ill. Filed Aug. 30, 1937.

READYSPOT

For Flashlights and Flashlight Cases.
Claims use since June 22, 1937.

Ser. No. 396,909. BURGESS BATTERY COMPANY, Chicago, Ill. Filed Aug. 30, 1937.

Trail-Blazer

For Flashlights and Flashlight Cases.
Claims use since July 1, 1937.

Ser. No. 396,942. WINCHARGER CORPORATION, Sioux City, Iowa. Filed Aug. 30, 1937.

WINCHARGER

For Electric Storage Batteries.
Claims use since Apr. 13, 1936.

Ser. No. 396,983. ELECTROMASTER, INC., Detroit, Mich. Filed Sept. 1, 1937.

VITA-MISER

For Electric Ranges and Parts Thereof.
Claims use since July 23, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 395,397. RICARDO BONANI E HIJOS, Bell Ville, Cordoba, Argentina. Filed July 19, 1937.

Superball

For Footballs, Basketballs, Rugby Balls, Soccer Balls, Medicine Balls, Water Polo Balls, and Bladders, and Laces Therefor.
Claims use since Oct. 15, 1931.

Ser. No. 396,497. SEBASTIAN J. KREMER, Cleveland, Ohio. Filed Aug. 17, 1937.

KREMO

For Game of Chance Using Numbered Boards Having Attached Movable Markers.
Claims use since July 30, 1937.

Ser. No. 396,929. PARFAIT POWDER PUFF COMPANY, INC., Chicago, Ill. Filed Aug. 30, 1937.

FLEX-I-TRACK

The word "Track" is disclaimed apart from the mark.
For Toy Railroad Tracks.
Claims use since June 16, 1937.

Ser. No. 397,393. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Sept. 13, 1937.



For Playing Cards.
Claims use since January, 1905.

Ser. No. 397,833. AUTOBRIDGE, INC., New York, N. Y. Filed Sept. 27, 1937.

AUTOBRIDGE

For Game Board Played with Movable Pieces and Educational Charts.
Claims use since Sept. 20, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 392,582. DEMPSTER BROTHERS, INCORPORATED, Knoxville, Tenn. Filed May 11, 1937.

DEMPSTER DUMPSTER

For Hoisting Units and Detachable Buckets and Containers Therefor.
Claims use since Sept. 1, 1936.

Ser. No. 395,017. CHEFFORD MASTER MANUFACTURING CO., Fairfield, Ill. Filed July 9, 1937.

AIRTEX

For Diaphragms for Fuel Pumps on Aeroplanes, Automobiles, and all Gasoline Propelled Motors.
Claims use since Jan. 2, 1937.

Ser. No. 396,374. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Aug. 13, 1937.



The word "Handles" and the representation of a handle is disclaimed apart from the mark.
For Wooden Handles for Axes, Hatchets, and Similar Implements.
Claims use since May 26, 1937.

Ser. No. 396,837. SCRANTON TOBACCO COMPANY, INC., doing business as Stoco Blade Company, Scranton, Pa. Filed Aug. 27, 1937.

HOLIDAY

For Razor Blades.
Claims use since Apr. 15, 1936.

Ser. No. 396,839. SCRANTON TOBACCO COMPANY, INC., doing business as Stoco Blade Company, Scranton, Pa. Filed Aug. 27, 1937.

STOCO

For Razor Blades.
Claims use since Apr. 15, 1936.

Ser. No. 396,979. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Sept. 1, 1937.

ERETHIN

For Safety Razor Blades.
Claims use since Aug. 27, 1937.

Ser. No. 396,980. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Sept. 1, 1937.

THINERE

For Safety Razor Blades.
Claims use since Aug. 27, 1937.

CLASS 25

Locks and Safes

Ser. No. 383,273. LOUIS J. SCHMIDT, doing business as The Combination Door Co., Fond Du Lac, Wis. Filed Sept. 15, 1936.

SURE-GRIP PROTECTOPLATE

The words "Sure-Grip" are disclaimed apart from the mark.
For Sash and Screen Lock Bearing Plates.
Claims use since Feb. 15, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 394,883. SOUND MASTERS, INC., New York, N. Y. Filed July 3, 1937.



The notation "16 mm", the term "Sound" and the representation of a portion of film are disclaimed apart from the mark.
For Motion Picture Films, Sound Films, Combined Sound and Motion Picture Films, Film Magazines, and Motion Picture Films for Use in Connection with Synchronized Apparatus for Simultaneously Reproducing Coordinated Light and Sound Effect.
Claims use since May 10, 1937.

Ser. No. 396,264. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Aug. 11, 1937.

KODACHROME

For Photographic Film for Still Pictures, Sound Recording Film, Exposure Guides, Mounts for Transparencies and Lantern Slides, and Cover Glasses for Use in Making Lantern Slides.
The trade-mark has been continuously used in applicant's business since Feb. 6, 1936, with sound recording film; since Aug. 7, 1936, with mounts, cover glasses and film for still pictures; and since Dec. 15, 1936 with exposure guides.

Ser. No. 396,862. BACHMANN BROTHERS, INC., Philadelphia, Pa. Filed Aug. 28, 1937.

SOLAREX

For Goggles.
Claims use since July 23, 1937.

Ser. No. 396,989. GRANT PHOTO CORP., New York, N. Y. Filed Sept. 1, 1937.

MIRRO-MOVIE

For Articles of Commerce Comprising a Holder, a Composite Photograph in the Holder and a Movable Screen in Front of the Photograph.
Claims use since Aug. 25, 1937.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 396,902. FRITZ C. STETTER, New York, N. Y. Filed Aug. 28, 1937.

TUINONE

For Finger rings.
Claims use since Aug. 17, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 397,671. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 22, 1937.

Traveler

For Tooth Brushes.
Claims use since Aug. 27, 1937.

CLASS 31

Filters and Refrigerators

Ser. No. 397,092. UNIVERSAL WATER SOFTENER CO., Maywood, Ill. Filed Sept. 3, 1937.

UNIVERSAL

For Filters and Water Softeners and Particularly to Water Softener Devices Having Beds of Zeolite.
Claims use since Feb. 1, 1926.

Ser. No. 397,302. WILLIAM SCHWALGE, Chicago, Ill. Filed Sept. 10, 1937.

RECLAIMO

For Lubricating Oil Filters.
Claims use since Jan. 15, 1928.

CLASS 32

Furniture and Upholstery

Ser. No. 369,903. LISA ALBERT, doing business as L. Albert Co., New York, N. Y. Filed Oct. 2, 1935.



All wording except "Happy Landing" is disclaimed apart from the mark as shown. The representation of the applicant's goods is disclaimed per se.
For Commode Pad.
Claims use since Jan. 15, 1935.

Ser. No. 391,217. EMIL HAUSER, New York, N. Y. Filed Apr. 12, 1937.



For Chairs, Benches, Seats, Settees, Tables, and Stands.
Claims use since January, 1936.

Ser. No. 394,228. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed June 18, 1937.

TWIN REST

For Bed Springs and Mattresses.
Claims use since November, 1936.

Ser. No. 394,229. GREENPOINT METALLIC BED COMPANY, INC., Brooklyn, N. Y. Filed June 18, 1937.

SUPERTWIST

For Bed Springs and Mattresses.
Claims use since January, 1937.

Ser. No. 395,380. GREENPOINT METALLIC BED CO., INC., Brooklyn, N. Y. Filed July 19, 1937.

WORLD'S FAIR

For Bed Springs and Mattresses.
Claims use since May, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 396,835. THE PURE OIL COMPANY, Chicago, Ill. Filed Aug. 27, 1937.

Xcel

For Rubber Tires and Tubes.
Claims use since July 27, 1937.

CLASS 36

Musical Instruments and Supplies

Ser. No. 382,547. AMERICAN GIESE WIRE CORPORATION, New York, N. Y. Filed Aug. 25, 1936.



The representation of the goods is disclaimed.
For Steel Music Wire.
Claims use since March, 1900.

CLASS 37

Paper and Stationery

Ser. No. 391,857. ECONOMY PAPER PRODUCTS COMPANY, Milwaukee, Wis. Filed Apr. 26, 1937.

REAL SEAL

The words "Real Seal" are disclaimed apart from the mark.
For Waxed Paper.
Claims use since Apr. 15, 1937.

Ser. No. 395,074. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed July 10, 1937.

PARAPLY

For Laminated Wrapping Paper.
Claims use since June 16, 1937.

Ser. No. 395,514. BIRMINGHAM PAPER CO., Birmingham, Ala. Filed July 22, 1937.

NIFTY

For School Tablets, Pads, Blank Books, Loose Leaf Fillers, Note Books, Note Book Covers, and Correspondence and Typewriter Paper and Envelopes.
Claims use since 1908.

Ser. No. 396,317. LEONARD TISSUE COMPANY, Cambridge, Mass. Filed Aug. 12, 1937.

PUREX

For Toilet Tissue and Paper Towels.
Claims use since Mar. 11, 1937.

Ser. No. 396,318. LEONARD TISSUE COMPANY, Cambridge, Mass. Filed Aug. 12, 1937.

Fenway

For Toilet Tissue.
Claims use since Aug. 2, 1937.

Ser. No. 396,444. BROWNVILLE BOARD COMPANY, Brownville, N. Y. Filed Aug. 16, 1937.

PENGUIN

For Solid White Paper Tagboard.
Claims use since June 5, 1937.

Ser. No. 396,496. SEBASTIAN J. KREMER, Cleveland, Ohio. Filed Aug. 17, 1937.

KREMO

For Paper Printed Tally Boards and Cards Used in the Play of an Amusement Game.
Claims use since July 30, 1937.

CLASS 38

Prints and Publications

Ser. No. 386,492. LOOK, INC., Des Moines, Iowa. Filed Dec. 8, 1936.

PICTURES

For Picture Section of a Newspaper.
Claims use since Oct. 25, 1936.

Ser. No. 393,753. CARLILE CRUTCHER, Louisville, Ky. Filed June 7, 1937.

BELA LANAN-COURT REPORTER

For Illustrated Stories Published in Installments.
Claims use since Oct. 5, 1936.

Ser. No. 393,971. CALIFORNIA CONSERVINO COMPANY, INCORPORATED, San Francisco, Calif. Filed June 12, 1937.

Who Am I?

For Periodical Program Skits for Radio Stations Sold as a Publication in Interstate Trade.
Claims use since Nov. 17, 1936.

Ser. No. 394,645. THOMAS PUBLISHING COMPANY, New York, N. Y. Filed June 28, 1937.

BUILDING PRODUCTS

What's New

For Periodical.
Claims use since May 4, 1937.

Ser. No. 395,068. HILDRETH & ROGERS CO., Lawrence, Mass. Filed July 10, 1937.

LAWRENCE DAILY EAGLE

For Daily Newspaper.
Claims use since July 20, 1868.

Ser. No. 395,255. ADVERTISING PUBLICATIONS, INCORPORATED, Chicago, Ill., and New York, N. Y. Filed July 16, 1937.

THE MARKET DATA BOOK

For Annual Publication Relating to Periodicals.
Claims use since September, 1920.

Ser. No. 395,634. ROBERT B. WHEELAN, doing business as Wheelan Studios, New York, N. Y. Filed July 24, 1937.

MULTIFOTO

For Photographs.
Claims use since Aug. 20, 1934.

Ser. No. 395,664. GLOBE PHOTO, INC., Greenville, S. C. Filed July 27, 1937.

CUCKOO



For Photographic Prints.
Claims use since May 1, 1937.

Ser. No. 396,226. F. W. DODGE CORPORATION, New York, N. Y. Filed Aug. 10, 1937.

DESIGN TRENDS

For Section of a Monthly Publication.
Claims use since June, 1937.

Ser. No. 396,570. LAS VEGAS POST NO. 8, THE AMERICAN LEGION, DEPARTMENT OF NEVADA, Las Vegas, Nev. Filed Aug. 19, 1937.

THE LEGION LIAR

For Periodical Publication Generally in Newspaper Form.
Claims use since 1926.

CLASS 39

Clothing

Ser. No. 365,645. MONARCH SHOE COMPANY, Chicago, Ill. Filed May 31, 1935.

STREAMLINE

For Shoes Made of Leather, Rubber, and Fabric, and Combinations of the Same.
Claims use since Jan. 3, 1935.

Ser. No. 372,878. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Dec. 20, 1935.



For Men's Topcoats.
Claims use since October, 1934.

Ser. No. 393,423. HART, SCHAFFNER & MARX, Chicago, Ill. Filed May 29, 1937.

Triple Test

For Men's and Boys' Suits, Coats, Overcoats, Top Coats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since May 1, 1936.

Ser. No. 394,736. JOSEPH ADELSON & SONS, New York, N. Y. Filed July 1, 1937.

Satin Paradise
SUPER QUALITY

The words "Satin" and "Super Quality" are disclaimed.
For Women's Undergarments—Namely, Night-Gowns, Chemises, Underdrawers, Brassieres, Panties, Slips, Pajamas, and Petticoats.
Claims use since January, 1937.

Ser. No. 394,784. MAURICE HOLMAN, INC., Los Angeles, Calif. Filed July 2, 1937.



For Women's, Men's, and Children's Sweaters.
Claims use since Feb. 14, 1936.

Ser. No. 396,178. LEON JAY BYRON CO., INC., New York, N. Y. Filed Aug. 9, 1937.

Comfees

For Ladies' Blouses, Pajamas, Petticoats, Panties, and Slips.
Claims use since Jan. 21, 1936.

Ser. No. 396,179. LEON JAY BYRON CO., INC., New York, N. Y. Filed Aug. 9, 1937.

Fem-Gird

For Ladies' Blouses, Pajamas, Petticoats, Panties, and Slips.
Claims use since Jan. 6, 1936.

Ser. No. 396,398. LUDWIG E. GOETZ, New York, N. Y. Filed Aug. 14, 1937.

THE SHIRT-CUTTER

The word "Shirt" is disclaimed apart from the mark.
For Blouses and Women's and Children's Dresses.
Claims use since June, 1937.

Ser. No. 396,857. WIENER & KATZ, New York, N. Y. Filed Aug. 27, 1937.

CHESTY

For Boys' Suits and Overcoats.
Claims use since June 2, 1937.

Ser. No. 396,863. BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Aug. 28, 1937.

SYNTHEX

For Hosiery.
Claims use since Aug. 9, 1937.

Ser. No. 396,866. BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Aug. 28, 1937.

SYNTEX

For Hosiery.
Claims use since Aug. 9, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 387,376. STANFORD J. GOLDWATER, New York, N. Y. Filed Jan. 2, 1937.

TailorMaid Protector

The word "Protector" is disclaimed apart from the mark.
For Pillow Protectors, Blanket Protectors, Mattress Protectors Made of Broadcloth and Rayon-Silk.
Claims use since Dec. 11, 1928.

Ser. No. 392,088. COHN-HALL-MARX CO., New York, N. Y. Filed Apr. 30, 1937.

POWDER CLOTH

The word "Cloth" is disclaimed except as shown.
For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since Nov. 1, 1935.

Ser. No. 396,483. ARNOLD SALES CORPORATION, New York, N. Y. Filed Aug. 17, 1937.

Arno-Spun

The word "Spun" is disclaimed apart from the mark.
For Rayon Piece Goods.
Claims use since June 1, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 396,915. G. N. HALLIBURTON, doing business as Tropical Beverage Sales Co., Jacksonville, Fla. Filed Aug. 30, 1937.

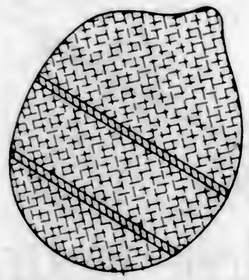


The word "Cuba" is disclaimed apart from the mark.
For Soft Drinks.
Claims use since December, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 381,583. SCHALL CANDY CO., Clinton, Iowa. Filed July 29, 1936.



Trade-mark consists of two red bars drawn across the representation of a lemon. No claim is made to the representation of a lemon.
For Candy.
Claims use since May 15, 1936.

Ser. No. 381,686. WILLIAM H. O'NEIL, doing business as National Banana Ripening Company, San Francisco Calif. Filed July 31, 1936.



The representation of the goods is disclaimed apart from the mark.
For Fruits, Particularly Canned Bananas.
Claims use since Apr. 28, 1936.

Ser. No. 382,949. FINE FOODS, INC., Seattle, Wash. Filed Sept. 5, 1936.

STANDBY



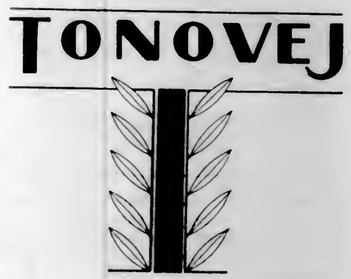
For Malt Syrups for Food Purposes.
Claims use since March, 1933.

Ser. No. 385,818. SERVICE FRUIT FLAVOR MANUFACTURING COMPANY, INC., Paterson, N. J. Filed Nov. 17, 1936.



For Sundae Toppings.
Claims use since Sept. 24, 1932.

Ser. No. 386,392. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Filed Dec. 7, 1936.



For Supplemental Food Product Containing Concentrated Dried Vegetables, Usually Sold in Capsule Form.
Claims use since Aug. 20, 1931.

Ser. No. 386,393. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Filed Dec. 7, 1936.



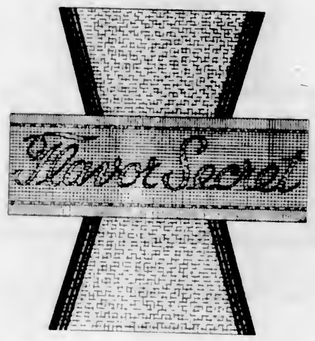
For Supplemental Food Product Containing Concentrated Dried Vegetables Usually Sold in Capsule Form.
Claims use since Aug. 20, 1931.

Ser. No. 386,394. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Filed Dec. 7, 1936.



For Supplemental Food Product Containing Concentrated Dried Vegetables Usually Sold in Capsule Form.
Claims use since Aug. 20, 1931.

Ser. No. 389,073. LACHOY FOOD PRODUCTS, INC., Detroit, Mich. Filed Feb. 18, 1937.



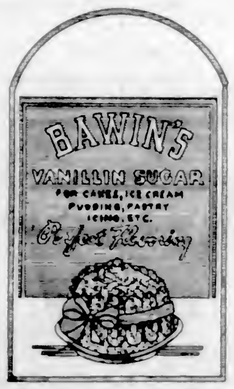
The drawing is lined for yellow, black, and red. The word "Flavor" is disclaimed apart from the mark.
For Flavoring Sauce Comprising a Blend of Wheat, Soy Beans, Salt, and Sugar, for Soups, Broths, Consomme, Gravies, Hashes, Stews, and All Other Combinations of Meats and Vegetables.
Claims use since Mar. 1, 1935.

Ser. No. 393,744. JOHN M. WILSON, doing business as Meridian Grain & Elevator Co., Meridian, Miss. Filed June 5, 1937.



For Corn Meal, Pearl Grits, Hog Feed, Dog Feed, Horse and Mule Feeds, Laying Mash, Dairy Feeds, Bolted Cream Meal.
Claims use since Jan. 20, 1937.

Ser. No. 394,161. ACHILLE BAWIN, New York, N. Y. Filed June 17, 1937.



No claim is made to any wording except the name "Bawin's" apart from the mark. The drawing is lined for blue and gold.
For Vanillin Sugar.
Claims use since June 15, 1937.

Ser. No. 394,543. LYNCHBURG MILLING COMPANY, Lynchburg, Va. Filed June 26, 1937.

DOLLY MADISON

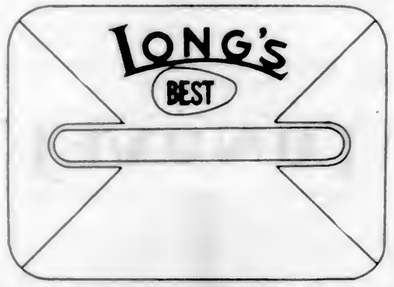
The name "Dolly Madison" is that of a deceased celebrity.
For Wheat Flour.
Claims use since 1911.

Ser. No. 395,100. SANDY VALLEY GROCERY COMPANY, INC., Ashland, Ky. Filed July 10, 1937.

S·V

For Cocoa, Macaroni, Spaghetti, Baking Powder, Rolled Oats, Pepper, Tea, Pickles, Mayonnaise, Sandwich Spread, Salad Dressing, Vinegar, and Coffee, Wheat Flour, Alimentary Paste Products.
Claims use since May 13, 1935.

Ser. No. 395,396. BLUE RIBBON NOODLE COMPANY, INC., Wilkes-Barre, Pa. Filed July 19, 1937.



No claim is made to the outline of the label per se nor to the word "Best" except as shown.
For Noodles, Spaghetti, Macaroni, and Fancy Short Cuts, the Latter Being Alphabets and Other Small Designs All of Which are Sold as Noodles.
Claims use since June 14, 1937.

Ser. No. 395,637. COMMERCIAL CREAMERY COMPANY, INC., Spokane, Wash. Filed July 26, 1937.



The word "Whites" and the representation of the goods are disclaimed apart from the mark.
For Modified Egg Albumen for Food Purposes.
Claims use since July 1, 1937.

Ser. No. 395,992. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Filed Aug. 4, 1937. Under 10-year proviso.

HANSEN'S

For Rennet.
Claims use since 1878.

Ser. No. 396,045. SCHENLEY PRODUCTS COMPANY, New York, N. Y. Filed Aug. 5, 1937.



For Distiller's Dried Grains for Use as a Cattle Feed.
Claims use since Jan. 2, 1937.

Ser. No. 396,046. SCHENLEY PRODUCTS COMPANY, New York, N. Y. Filed Aug. 5, 1937.



For Distiller's Dried Grains for Use as a Cattle Feed.
Claims use since Jan. 2, 1937.

Ser. No. 396,169. SHEFFIELD CONDENSED MILK CO., INC., New York, N. Y. Filed Aug. 7, 1937.

BAKEROLL

For Skim Milk Powder Used as an Ingredient of Foods Intended Primarily for Human Consumption.
Claims use since July 26, 1937.

Ser. No. 396,412. LION SPECIALTY CO., Chicago, Ill. Filed Aug. 14, 1937.

KRUNCHI
P-NUT SPREAD

The term "P-Nut Spread" is disclaimed apart from the mark.
For Sandwich Filler Composed of Peanut Butter and Whole Granulated Roasted Peanuts.
Claims use since May 25, 1937.

Ser. No. 396,471. TANDY W. PIATT, doing business as T. W. Piatt, Chicago, Ill. Filed Aug. 16, 1937.

TRU-SEAL

For Salad Dressing, Mayonnaise, Sandwich Spread, Salad Spread, Relish Spread, French Dressing, Thousand Island Dressing, Tartar Sauce, Russian Dressing, Barbecue Sauce, and Meat Sauce.
Claims use since June 1, 1937.

Ser. No. 396,569. IDAHO FRUIT & PRODUCE COMPANY, Parma and Apple Valley, Idaho. Filed Aug. 19, 1937.

IDA-GOLD

For Fresh Lettuce, Fresh Apples, and Peas, Potatoes, and Onions in Their Natural State, and Fresh Prunes.
Claims use since September, 1932.

Ser. No. 396,741. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Aug. 25, 1937.

SPOTLIGHT

For Coffee.
Claims use since 1911.

Ser. No. 397,135. LEGHORN TRADING CO. INC., New York, N. Y. Filed Sept. 4, 1937.

POCAR

For Edible Oils.
Claims use since Mar. 1, 1935.

Ser. No. 397,199. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Sept. 7, 1937.

HOT NUMBER

For Candy.
Claims use since Aug. 2, 1937.

Ser. No. 397,223. BEN MYERSON, INC., Los Angeles, Calif. Filed Sept. 8, 1937.

Benny's

For Candy.
Claims use since Aug. 11, 1937.

CLASS 47

Wines

Ser. No. 394,555. ROMA WINE COMPANY, INC., Lodi, Calif. Filed June 26, 1937.

Solarayed

For Wines.
Claims use since May 20, 1937.

Ser. No. 395,898. L. J. CALLANAN & CO., INC., New York, N. Y. Filed Aug. 2, 1937.



For Wines.
Claims use since July 20, 1937.

Ser. No. 396,373. SUNNY HILL WINERIES, INC., Chicago, Ill. Filed Aug. 13, 1937.

Hillsun

For Wines.
Claims use since July 14, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 378,333. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed May 11, 1936.



For Beer.
Claims use since Apr. 25, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 396,157. PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Aug. 7, 1937.

Parker House

For Distilled Alcoholic Liquors—Namely, Gin.
Claims use since June 17, 1937.

Ser. No. 396,296. BERRY BROS. & Co., London, England. Filed Aug. 12, 1937.

CUTTY SARK
BLENDED
SCOTS WHISKY
from Scotland's best Distilleries
BERRY BROS & Co
3, ST JAMES'S STREET, LONDON, S.W.1
Product of Scotland

All notations except "Cutty Sark" and applicant's name are disclaimed apart from the mark.
For Scotch Whiskey.
Claims use since July 24, 1923.

Ser. No. 397,677. PACIFIC WINE AND SPIRITS COMPANY, San Francisco, Calif. Filed Sept. 22, 1937.

"HOUSE OF SCOTS"

For Whisky.
Claims use since Apr. 19, 1937.

Ser. No. 397,912. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md. Filed Sept. 28, 1937.

Parker House

For Whiskey, Gin, Brandy, Cognac, Rum, and Alcoholic Cordials.
Claims use since 1902.

Ser. No. 398,104. THE GOVERNOR AND COMPANY OF ADVENTURERS OF ENGLAND TRADING INTO HUDSON'S BAY, doing business as Hudson's Bay Company, London, England, and Winnipeg, Manitoba, Canada. Filed Oct. 4, 1937.

Hudson's Bay
Royal Charter

For Whisky.
Claims use since Sept. 24, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 384,002. HUMITUBE MFG. CO., Peoria, Ill. Filed Oct. 5, 1936.



Trade-mark consists of a red stripe spirally arranged longitudinally of the tubing. No claim is made to the representation of a length of tubing per se.
For Diaphanous Lengths of Tubing Formed of Cellulose Acetate Material or the Like.
Claims use since Mar. 23, 1936.

Ser. No. 396,640. THE LANDERS CORPORATION, Toledo, Ohio. Filed Aug. 21, 1937.



The representation of the glove is disclaimed apart from the mark.
For Cotton Fabric Treated with Chemicals, Rubber, and Latex to Improve the Wearing Qualities of the Fabric and Transform it into an Imitation Suede Leather.
Claims use since April, 1937.

Ser. No. 397,017. ARCHER RUBBER COMPANY, Milford, Mass. Filed Sept. 2, 1937.

PERFOTEX

For Rubberized fabrics.
Claims use since June, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 2, 1937

351,438. POWDERED OR GRANULAR FLAVORING AND COLORING PREPARATIONS ADAPTED TO BE USED IN MAKING, FLAVORING, AND INCIDENTALLY COLORING SHERBETS, AND OTHER FOODS OR FOOD BEVERAGES. KITCHEN ART FOODS INC., Chicago, Ill.
Filed March 30, 1935. Serial No. 363,223. PUBLISHED AUGUST 24, 1937. Class 46.

351,439. MEDICATIONS FOR COLDS—NAMELY, NOSE DROPS. GEORGE J. TOWLE, doing business as The Towle Laboratories, St. Paul, Minn.
Filed April 17, 1935. Serial No. 363,903. PUBLISHED AUGUST 10, 1937. Class 6.

351,440. HAIR WAVING LOTIONS. ZOTOS CORPORATION, New York, N. Y.
Filed April 20, 1935. Serial No. 364,041. PUBLISHED AUGUST 10, 1937. Class 6.

351,441. PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. LOUIS SCHWARZ, Chicago, Ill.
Filed September 21, 1935. Serial No. 369,590. PUBLISHED NOVEMBER 19, 1935. Class 44.

351,442. COMPLETE LINE OF PHARMACEUTICAL AND TOILET PREPARATIONS—NAMELY, A CONDITIONER FOR THE HAIR AND SCALP, CREAM AND LOTION FOR PREVENTION AND RELIEF OF SUNBURN AND OTHER BURNS, HAIR TONICS, ETC. MOREY INSTITUTE, INC., New York, N. Y.
Filed November 20, 1935. Serial No. 371,774. PUBLISHED MAY 4, 1937. Class 6.

351,443. WINES. THE R & O WINE CO. INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,855. PUBLISHED AUGUST 24, 1937. Class 47.

351,444. EXTERNALLY APPLIED SLENDERIZING PREPARATION. GRACE E. HAMILTON, doing business as Slendex Laboratories, Chicago, Ill.
Filed February 10, 1936. Serial No. 374,662. PUBLISHED DECEMBER 15, 1936. Class 6.

351,445. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed February 13, 1936. Serial No. 374,787. PUBLISHED APRIL 21, 1936. Class 49.

351,446. GARAGE AND SERVICE STATION EQUIPMENT—NAMELY, AUTOMOBILE LIFTS, AUTOMOBILE JACKS, AND PARTS THEREOF. MODERN EQUIPMENT CORPORATION, Defiance, Ohio.
Filed March 5, 1936. Serial No. 375,594. PUBLISHED JUNE 9, 1936. Class 23.

351,447. WOOLEN YARNS. EASTYARN, INC., Brooklyn, N. Y.
Filed April 20, 1936. Serial No. 377,386. PUBLISHED AUGUST 17, 1937. Class 43.

351,448. COMPOSITION WALL COVERING IN SHEET FORM TO BE USED INSTEAD OF PLASTIC. THE MARSH LUMBER COMPANY, doing business as Marsh Wall Tile Company, Dover, Ohio.
Filed April 18, 1936. Serial No. 377,437. PUBLISHED JULY 6, 1937. Class 12.

351,449. SEAL DYED RABBITS' FURS. W. SEIFERT & SON, New York, N. Y.
Filed May 7, 1936. Serial No. 378,153. PUBLISHED AUGUST 24, 1937. Class 1.

351,450. RUBBER AND SIMILAR CEMENTS AND ADHESIVE TAPES. GRAEME HARRISON PRODUCTS, INC., New York, N. Y., assignor, by mesne assignments, to Van Cleef Bros., Chicago, Ill., a co-partnership composed of Noah Van Cleef, Maxime Van Cleef, Felix Van Cleef, and Paul Van Cleef.
Filed May 18, 1936. Serial No. 378,562. PUBLISHED JULY 27, 1937. Class 5.

351,451. DENTURES AND OTHER TYPES OF DENTAL PROSTHESES. COE LABORATORIES, INC., Chicago, Ill.
Filed May 25, 1936. Serial No. 378,826. PUBLISHED AUGUST 24, 1937. Class 44.

351,452. WINDSHIELD WIPERS AND PARTS THEREOF. THE ANDERSON COMPANY, Gary, Ind.
Filed June 8, 1936. Serial No. 379,411. PUBLISHED AUGUST 24, 1937. Class 19.

351,453. WAX POLISHES AND POLISHING PREPARATIONS POSSESSING CLEANING PROPERTIES, FOR AUTOMOBILES, FURNITURE, WOODWORK, AND THE LIKE. HAROLD G. VALENTINE, doing business as H. G. Valentine Co., Randolph, Mass.
Filed June 8, 1936. Serial No. 379,456. PUBLISHED AUGUST 24, 1937. Class 16.

351,454. MEDICINE FOR THE LIVER AND BOWELS. NATIONAL FERMENT COMPANY, Jacksonville, Fla.
Filed June 23, 1936. Serial No. 380,117. PUBLISHED AUGUST 24, 1937. Class 6.

351,455. PLATE FINISH TAG, BRISTOL, AND COVER PAPERS. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich.
Filed July 6, 1936. Serial No. 380,623. PUBLISHED AUGUST 24, 1937. Class 37.

351,456. DRESSING FOR PRESERVING THE LAUNDERED FINISH OF FABRICS. HOWARD C. WIRICK, doing business as Prooftex Laboratories, Chicago, Ill.
Filed July 13, 1936. Serial No. 380,980. PUBLISHED SEPTEMBER 8, 1936. Class 6.

351,457. MEDICINAL AND PHARMACEUTICAL PREPARATIONS—NAMELY, PREPARATIONS FOR MAKING HERB TEAS TO BE USED TO ASSIST IN RELIEVING SOUR, GASSY, BLOATED STOMACH, ETC. JACK EMENER, doing business as Ottawa Indian Medicine Company, Detroit, Mich.
Filed July 20, 1936. Serial No. 381,195. PUBLISHED AUGUST 10, 1937. Class 6.

351,458. MEDICAL PREPARATIONS FOR DOGS, CATS, AND OTHER ANIMALS—NAMELY, LAXATIVES, LIQUID SOAP AND SHAMPOO PREPARATION, ETC. MY PET MEDICINES, INC., New York, N. Y.
Filed July 21, 1936. Serial No. 381,282. PUBLISHED DECEMBER 29, 1936. Class 6.

351,459. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, UNDERWEAR, HOSIERY, BATHING SUITS, JERSEYS, ETC. A. M. WEBB & CO., INC., New York, N. Y.
Filed August 13, 1936. Serial No. 382,142. PUBLISHED OCTOBER 27, 1936. Class 39.

351,460. MEN'S, WOMEN'S, AND CHILDREN'S WEARING APPAREL—NAMELY, UNDERWEAR, HOSIERY, BATHING SUITS, JERSEYS, AND SWEATERS OF KNIT AND/OR WOVEN MATERIALS, KNITTED OUTERWEAR AND SPORTWEAR—NAMELY, POLO SHIRTS, PULL-OVERS, KNITTED DRESSES. ALSO DRESS SHIRTS OF KNITTED AND/OR WOVEN MATERIALS. A. M. WEBB & CO., INC., New York. N. Y.
Filed August 13, 1936. Serial No. 382,143. PUBLISHED OCTOBER 27, 1936. Class 39.

351,461. CANNED AND BOTTLED FRUITS, VEGETABLES, AND FISH OF ALL KINDS. MITSUBISHI SHOJI KAISHA, LTD., Marunouchi, Tokyo, Japan, New York, N. Y., San Francisco, Calif., and Seattle Wash.
Filed August 20, 1936. Serial No. 382,389. PUBLISHED JULY 6, 1937. Class 46.

351,462. ALCOHOLIC LIQUORS—NAMELY, DRY GIN, ALCOHOLIC CORDIALS, SLOE GIN, WHISKEY, AND ORANGE GIN. BEN-BURK, INC., Boston, Mass.
Filed September 9, 1936. Serial No. 383,051. PUBLISHED OCTOBER 13, 1936. Class 49.

351,463. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed September 23, 1936. Serial No. 383,523. PUBLISHED NOVEMBER 3, 1936. Class 49.

351,464. SOLVENTS, PARTICULARLY FOR CELLULOSE ACETATE. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed October 1, 1936. Serial No. 383,839. PUBLISHED JULY 20, 1937. Class 6.

351,465. DENATURED ALCOHOL TO BE USED AS AN INDUSTRIAL SOLVENT. NEW ORLEANS ALCOHOL & DISTILLING CORP., New Orleans, La.
Filed October 16, 1936. Serial No. 384,429. PUBLISHED AUGUST 10, 1937. Class 6.

351,466. MOTOR-DRIVEN BICYCLES. BLUE RIBBON SKOOT-MO-BILE, Chicago, Ill.
Filed October 17, 1936. Serial No. 384,444. PUBLISHED JANUARY 26, 1937. Class 19.

351,467. ELECTRIC HAIR DRYERS. THE WM. MEYER COMPANY, Chicago, Ill.
Filed October 26, 1936. Serial No. 384,809. PUBLISHED AUGUST 24, 1937. Class 44.

351,468. CHEMOTHERAPEUTIC AGENT FOR STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed October 31, 1936. Serial No. 385,020. PUBLISHED JANUARY 5, 1937. Class 6.

351,469. GELATIN SOLD FOR MEDICINAL USE. GRAYSLAKE GELATIN COMPANY, Grayslake, Ill.
Filed November 2, 1936. Serial No. 385,039. PUBLISHED AUGUST 24, 1937. Class 6.

351,470. MEN'S SHIRTS MADE OF TEXTILES—NAMELY, BROADCLOTH, OXFORD CLOTH, MADRAS, AND PERCALE. WILSON BROTHERS, Chicago, Ill.
Filed November 2, 1936. Serial No. 385,079. PUBLISHED AUGUST 24, 1937. Class 39.

351,471. DEHYDRATED KELP USED AS A MINERAL FOOD SUPPLEMENT. THE KELP CO. INC., Zeeland, Mich.
Filed November 21, 1936. Serial No. 385,844. PUBLISHED AUGUST 24, 1937. Class 6.

351,472. DEHYDRATED KELP USED AS A MINERAL FOOD SUPPLEMENT. VITA PRODUCTS INC., Zeeland, Mich.
Filed November 21, 1936. Serial No. 385,869. PUBLISHED AUGUST 24, 1937. Class 6.

351,473. PORTLAND CEMENT. DEWEY PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed November 27, 1936. Serial No. 386,014. PUBLISHED AUGUST 10, 1937. Class 12.

351,474. SALVE FOR THE TREATMENT OF RHEUMATISM. FRANK BIALEK, doing business as Gosen Products Co., Milwaukee, Wis.
Filed December 1, 1936. Serial No. 386,146. PUBLISHED AUGUST 10, 1937. Class 6.

351,475. STRING BEAN PREPARING INSTRUMENTS. G. N. COUGHLAN CO., INC., Orange, N. J.
Filed December 8, 1936. Serial No. 386,484. PUBLISHED AUGUST 24, 1937. Class 23.

351,476. PASSENGER CARRYING AUTOMOBILE. WILLYS-OVERLAND MOTORS, INC., Toledo, Ohio.
Filed December 9, 1936. Serial No. 386,561. PUBLISHED AUGUST 24, 1937. Class 19.

351,477. FRESH, SALT, SMOKED, AND PICKLED FISH. SOL LENZNER CORPORATION, Buffalo, N. Y.
Filed December 10, 1936. Serial No. 386,618. PUBLISHED AUGUST 24, 1937. Class 46.

351,478. CERTAIN BRAND OF SEMI-ANTHRACITE COAL. CHRISTOPHERSON-RENSTROM COMPANY, Omaha, Nebr.
Filed December 11, 1936. Serial No. 386,622. PUBLISHED AUGUST 24, 1937. Class 1.

351,479. CHASSIS FOR MOTOR VEHICLES, MOTOR BUSES, TROLLEY BUSES, TRAILERS, RAILWAY CARS, AND STRUCTURAL PARTS THEREOF. TATRA WORKS LTD., Prague-Smichov, Czechoslovakia.
Filed December 11, 1936. Serial No. 386,670. PUBLISHED AUGUST 24, 1937. Class 19.

351,480. FOOD PREPARATIONS CONTAINING WHOLE MILK, FLOUR, EGGS, VEGETABLE SHORTENING, BUTTER, BAKING POWDER, SEASONING, AND WHEAT GERM OIL, FOR MAKING WAFFLES, GRIDDLE CAKES, FRITTERS, COOKIES, CAKES, BREAD, ROLLS, ETC. MILDRED E. BJORKLUND, doing business as The Porit Company, St. Paul, Minn.
Filed December 12, 1936. Serial No. 386,673. PUBLISHED AUGUST 24, 1937. Class 46.

351,481. PREPARED PREPARATION FOR USE IN COMPOUNDING SO-CALLED STUFFINGS FOR CHICKENS, TURKEYS, RABBITS, AND MISCELLANEOUS COOKED MEAT PRODUCTS. CRUIT AND SCHNEIDER, Salina, Kans.
Filed December 29, 1936. Serial No. 387,240. PUBLISHED AUGUST 24, 1937. Class 46.

351,482. BLOWERS, BLOWER CABINETS, FILTERS, AIR WASHERS, COOLING COILS, COOLING COIL CABINETS, COMPLETE COOLING UNITS, AND WARM AND COLD AIR PIPING USED FOR DISTRIBUTING THE CONDITIONED AIR FROM AN AIR CONDITIONING UNIT, AND FOR AIR CONDITIONING SYSTEMS. THE LENNOX FURNACE COMPANY, Marshalltown, Iowa.
Filed January 5, 1937. Serial No. 387,471. PUBLISHED MARCH 30, 1937. Class 34.

351,483. BREAD. AKTIEB. SKELLEFTEÅ SPISBRÖDSFABRIK, Skelleftea, Sweden.
Filed January 6, 1937. Serial No. 387,484. PUBLISHED AUGUST 3, 1937. Class 46.

351,484. COSMETIC PREPARATIONS USED AS A COVERING FOR SKIN MARKS, RINGS UNDER THE EYES, FRECKLES, PIMPLES, ETC., AND AS A POWDER BASE PUT UP IN CREAM FORM. MINER'S, INC., New York, N. Y.
Filed January 18, 1937. Serial No. 387,962. PUBLISHED AUGUST 17, 1937. Class 6.

351,485. RECONDITIONED AUTOMOBILES. BARFORD CHEVROLET COMPANY, St. Louis, Mo.
Filed January 26, 1937. Serial No. 388,177. PUBLISHED AUGUST 24, 1937. Class 19.

351,486. METAL HINGES, METAL MOULDINGS, METAL ANGLES USED FOR LIGHT METAL CONSTRUCTION OR TRIM, METAL STAMPINGS FOR BUTT HINGES, CONTINUOUS HINGES, DRAWN CUPS, AND PANS. AUTO MOULDING & MFG. CO., Chicago, Ill.
Filed January 27, 1937. Serial No. 388,222. PUBLISHED AUGUST 24, 1937. Class 13.

351,487. RUM. R. VEGA E HIJOS, INC., San Juan, P. R.
Filed February 10, 1937. Serial No. 388,736. PUBLISHED AUGUST 3, 1937. Class 40.

351,488. FOLDING CARD TABLES, FOLDING BANQUET TABLES, FOLDING CHAIRS, AND FOLDING COTS. THE BREWER-TITCHENER CORPORATION, Cortland, N. Y.
Filed February 11, 1937. Serial No. 388,762. PUBLISHED AUGUST 24, 1937. Class 32.

351,489. PREPARATION FOR THE TREATMENT OF ANEMIA. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 15, 1937. Serial No. 388,956. PUBLISHED AUGUST 10, 1937. Class 6.

351,490. CONCENTRATED, ANTI-ANEMIC EXTRACT OBTAINED FROM STOMACH TISSUE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 15, 1937. Serial No. 388,957. PUBLISHED AUGUST 10, 1937. Class 6.

351,491. PREPARATION USEFUL IN THE TREATMENT OF DIABETES AND AS A GENERAL TONIC, COMPRISING A NATURAL HERB OF "SALT BUSH" VARIETY IN DRY, COMMINUTED FORM. HORACE W. PIERCE, Arvada, Colo.
Filed February 20, 1937. Serial No. 389,196. PUBLISHED AUGUST 10, 1937. Class 6.

351,492. INSECTICIDE. HARRY G. HUTSON, Atlanta, Ga.
Filed February 23, 1937. Serial No. 389,252. PUBLISHED AUGUST 10, 1937. Class 6.

351,493. TRAILERS. THE ELCAR COACH COMPANY, Elkhart, Ind.
Filed February 25, 1937. Serial No. 389,350. PUBLISHED AUGUST 24, 1937. Class 19.

351,494. PERFUMES. AUGUST WILLIAM MEYER, doing business as Meyer Drug Company, Honolulu, Territory of Hawaii.
Filed February 27, 1937. Serial No. 389,466. PUBLISHED AUGUST 24, 1937. Class 6.

351,495. THREAD AND YARNS OBTAINED FROM ARTIFICIAL FIBERS OR ARTIFICIAL FIBERS MIXED WITH NATURAL TEXTILE FIBERS. "SNIA-VISCOSA" SOCIETÀ NAZIONALE INDUSTRIA APLICAZIONI VISCOSA, Milan, Italy.
Filed February 27, 1937. Serial No. 389,484. PUBLISHED JUNE 29, 1937. Class 43.

351,496. WATCHES. CYRES WATCH COMPANY, New York, N. Y.
Filed March 8, 1937. Serial No. 389,776. PUBLISHED AUGUST 24, 1937. Class 27.

351,497. DEHYDRATED KELP USED AS A MINERAL FOOD SUPPLEMENT. VITA PRODUCTS, INC., Zeeland, Mich.
Filed March 8, 1937. Serial No. 389,810. PUBLISHED AUGUST 24, 1937. Class 6.

351,498. METAL PIPE FITTINGS. STANLEY G. FLAGG & CO., INC., Philadelphia, Pa.
Filed March 11, 1937. Serial No. 389,909. PUBLISHED AUGUST 24, 1937. Class 13.

351,499. METAL PIPE FITTINGS. STANLEY G. FLAGG & CO., INC., Philadelphia, Pa.
Filed March 11, 1937. Serial No. 389,910. PUBLISHED AUGUST 24, 1937. Class 13.

351,500. LIPSTICKS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed March 16, 1937. Serial No. 390,146. PUBLISHED AUGUST 17, 1937. Class 6.

351,501. ALL WHEAT FLOUR, BREAD, AND CRACKERS. ROY ALEXANDER HUNTER, Vancouver, British Columbia, Canada.
Filed March 18, 1937. Serial No. 390,212. PUBLISHED AUGUST 24, 1937. Class 46.

351,502. TEXTILE FUNGICIDES, BEING A CHEMICAL COMPOUND USED TO PREVENT MOLD OR FUNGI ON FABRICS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed March 23, 1937. Serial No. 390,416. PUBLISHED JULY 20, 1937. Class 6.

351,503. CONDENSER TUBES MANUFACTURED FROM A COMPOSITION OF COPPER, ZINC, AND TIN. PHELPS DODGE COPPER PRODUCTS CORPORATION, Dover, Del., and New York, N. Y.
Filed March 23, 1937. Serial No. 390,421. PUBLISHED AUGUST 24, 1937. Class 34.

351,504. READY MIXED PAINTS. JOHN J. HOFF, New York, N. Y.
Filed March 24, 1937. Serial No. 390,452. PUBLISHED AUGUST 24, 1937. Class 16.

351,505. FOOD COVERS, AND SLIDE FASTENER OPERATED BAGS MADE OF OIL SILK FABRIC AND USED IN REFRIGERATORS FOR COVERING FOODSTUFFS. LEO PERRY, doing business as Whitewater Garment Company, Whitewater, Wis.
Filed March 29, 1937. Serial No. 390,663. PUBLISHED AUGUST 24, 1937. Class 2.

351,506. TOILET WATER FOR HYGIENIC USES, HAVING DEODORIZING, ANTISEPTIC, AND PROPHYLACTIC PROPERTIES. ST. ANDREW MILLS LIMITED, London, England.
Filed March 31, 1937. Serial No. 390,748. PUBLISHED AUGUST 10, 1937. Class 6.

351,507. THERMOPLASTIC, ALCOHOL-SOLUBLE PHENOL-INDENE-COUMARONE RESIN OF GRADED MELTING-POINT AND COLOR. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,795. PUBLISHED AUGUST 24, 1937. Class 1.

351,508. WHITE, LIGHT STABLE RESIN. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,796. PUBLISHED AUGUST 24, 1937. Class 1.

351,509. DARK SEMI-VISCOUS OIL DERIVED FUNDAMENTALLY FROM THE BY-PRODUCT COKING OF COAL AND COMPRISING STILL RESIDUE FROM THE ACID PURIFICATION OF COAL-DERIVED AROMATICS BOTH BY ITSELF AND ALSO BLENDED WITH A COAL TAR OIL, WHICH SEMI-VISCOUS OIL IS USEFUL IN COMPOUNDING RUBBER. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,798. PUBLISHED AUGUST 24, 1937. Class 6.

351,510. DARK BROWN PITCHY RESIN PRIMARILY A PLASTIC WHEN HEATED, BUT USED IN DARK PAINTS ALSO. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,799. PUBLISHED AUGUST 24, 1937. Class 1.

351,511. MODIFIED COUMARONE-INDENE TYPE RESIN. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,802. PUBLISHED AUGUST 24, 1937. Class 1.

351,512. LAUNDRY WASHING MACHINES. NINETEEN HUNDRED CORPORATION, St. Joseph, Mich.
Filed April 2, 1937. Serial No. 390,861. PUBLISHED AUGUST 24, 1937. Class 24.

351,513. PREPARED FRIED CHICKEN AND ACCOMPANYING TOASTED BREAD. GEORGE W. KING, St. Louis, Mo.
Filed April 3, 1937. Serial No. 390,922. PUBLISHED AUGUST 24, 1937. Class 46.

351,514. NAILS, TACKS, METAL SHOE TAPS, SCREWS, BOLTS, NUTS, METAL WASHERS, WIRE SCREEN CLOTH, DOOR KNOBS, STOPPERS, HINGES, CHAINS, ETC. S. H. KRESS AND COMPANY, New York, N. Y.
Filed April 3, 1937. Serial No. 390,924. PUBLISHED AUGUST 24, 1937. Class 13.

351,515. HIGH MELTING THERMOPLASTIC RESIN OF COUMARONE-INDENE TYPE DERIVED FROM CRUDE SOLVENT NAPHTHA BY CATALYTIC POLYMERIZATION. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 3, 1937. Serial No. 390,935. PUBLISHED AUGUST 24, 1937. Class 1.

351,516. PERFUME, INCENSE, SACHET POWDER, TALCUM POWDER, PERFUME OILS, FACE POWDER, ETC. MORTON G. NEUMANN, doing business as Famous Products Co., Chicago, Ill.
Filed April 8, 1937. Serial No. 391,084. PUBLISHED AUGUST 17, 1937. Class 6.

351,517. TABLE CHINAWARE. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed April 9, 1937. Serial No. 391,111. PUBLISHED AUGUST 24, 1937. Class 30.

351,518. COWBOY OR WAIST BAND OVERALLS. THE H. D. LEE MERCANTILE CO., Kansas City, Mo.
Filed April 12, 1937. Serial No. 391,230. PUBLISHED AUGUST 17, 1937. Class 39.

351,519. TOOTH POWDERS, MOUTH WASHES, DENTIFRICES, ANTISEPTICS, DENTAL CREAMS, AND TOOTH PASTES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed April 15, 1937. Serial No. 391,389. PUBLISHED AUGUST 10, 1937. Class 6.

351,520. TWINE AND CORDAGE. EMPIRE TWINE AND YARN COMPANY, INC., New York, N. Y.
Filed April 17, 1937. Serial No. 391,469. PUBLISHED AUGUST 24, 1937. Class 7.

351,521. TEXTILE FABRICS IN THE PIECE—NAMELY, SILK FABRICS, RAYON FABRICS, AND PILE FABRICS MADE OF SILK AND RAYON AND MIXTURES THEREOF. CHENEY BROTHERS, New York, N. Y.
Filed April 21, 1937. Serial No. 391,623. PUBLISHED AUGUST 24, 1937. Class 42.

351,522. COAL, OIL, AND GAS COMBINATION HEATING AND FORCED DRAFT VENTILATING UNITS. FORD-AIRE INC., Detroit, Mich.
Filed April 22, 1937. Serial No. 391,788. PUBLISHED AUGUST 24, 1937. Class 34.

351,523. MEDICINES AND PHARMACEUTICAL PREPARATIONS—NAMELY, PREPARATIONS FOR THE TREATMENT OF FLATULENCE, HYPERACIDITY, SOUR STOMACH, GASTRIC DISTRESS, ACIDOSIS, INTESTINAL SEDATIVES, ANTACIDS. WATERBURY CHEMICAL COMPANY, INC., New York, N. Y.
Filed April 24, 1937. Serial No. 391,831. PUBLISHED JUNE 22, 1937. Class 6.

351,524. LUBRICATING OIL. NATIONAL OIL COMPANY, INC., Richmond, Va.
Filed April 26, 1937. Serial No. 391,879. PUBLISHED AUGUST 10, 1937. Class 15.

351,525. CHEMICAL COMPOUNDS FOR CONDITIONING ROTARY DRILLING MUD. RED SEAL CHEMICAL COMPANY, Los Angeles, Calif.
Filed April 28, 1937. Serial No. 391,973. PUBLISHED AUGUST 10, 1937. Class 6.

351,526. MUD JACK SLEEVES, CONCRETE REINFORCING MEMBERS AND DOWELS, PARTS THEREOF, AND CASES THEREFOR. AMERICAN CONCRETE EXPANSION JOINT CO., Chicago, Ill.
Filed April 30, 1937. Serial No. 392,066. PUBLISHED JULY 6, 1937. Class 12.

351,527. WHISKEY. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed April 30, 1937. Serial No. 392,078. PUBLISHED AUGUST 24, 1937. Class 49.

351,528. STOVES, RANGES, FURNACES, BOILERS, AND WATER HEATERS USING COAL, WOOD, GAS, OR OIL AS FUELS. UNION STOVE WORKS INC., New York, N. Y.
Filed May 1, 1937. Serial No. 392,172. PUBLISHED AUGUST 24, 1937. Class 34.

351,529. HAIR TONIC, COLD CREAM, MASSAGE CREAM, FACE LOTION, AND A SHAMPOO. DER-MO-TINE, INC., Fort Wayne, Ind.
Filed May 3, 1937. Serial No. 392,201. PUBLISHED AUGUST 17, 1937. Class 6.

351,530. DIURETIC, ALTERATIVE, STOMACHIC TONIC; LAXATIVE PILLS; A SYSTEMIC COMPOUND FOR USE AS A GENERAL TONIC; ETC. GILLETTE LANE, doing business as Unipathic Co., San Francisco, Calif.
Filed May 3, 1937. Serial No. 392,217. PUBLISHED AUGUST 17, 1937. Class 6.

351,531. PREPARATIONS CONTAINING VARIOUS VITAMINS AND MINERALS FOR MEDICINAL, CORRECTIVE, AND NUTRITIONAL PURPOSES. U. S. VITAMIN CORPORATION, New York, N. Y.
Filed May 3, 1937. Serial No. 392,246. PUBLISHED AUGUST 10, 1937. Class 6.

351,532. ASSORTED CAKES AND COOKIES, ASSORTED CRACKERS, BREAKFAST CEREALS—NAMELY, POPPED CORN, POPPED RICE, AND POPPED WHEAT, CRACKER MEAL, PRETZEL STICKS, GINGER SNAPS, DELECTO PRETZELS. DETROIT BISCUIT COMPANY, Detroit, Mich.
Filed May 4, 1937. Serial No. 392,262. PUBLISHED AUGUST 24, 1937. Class 46.

351,533. HEADACHE POWDERS. GULF LABORATORIES COMPANY, INC., Lafayette, La.
Filed May 4, 1937. Serial No. 392,273. PUBLISHED JUNE 29, 1937. Class 6.

351,534. HEATING AND COOKING STOVES, RANGES, AND HEATING FURNACES USING GAS, COAL, COKE, WOOD, OR OIL AS FUEL. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed May 7, 1937. Serial No. 392,406. PUBLISHED AUGUST 24, 1937. Class 34.

351,535. RADIATOR STOP LEAK. CLIFTON THOMAS SPEAR, doing business as The Diamond Spear Co., Texarkana, Tex.
Filed May 7, 1937. Serial No. 392,457. PUBLISHED AUGUST 17, 1937. Class 6.

351,536. INSECTICIDES AND FUNGICIDES. THE RIDGE TOOL COMPANY, North Ridgeville, Ohio.
Filed May 10, 1937. Serial No. 392,555. PUBLISHED AUGUST 17, 1937. Class 6.

351,537. DANDRUFF PREPARATION. SEBOREEN LABORATORIES, INC. OF CHICAGO, Chicago, Ill.
Filed May 10, 1937. Serial No. 392,561. PUBLISHED AUGUST 17, 1937. Class 6.

351,538. PADS USED IN PERMANENT WAVING. THE AMERICAN HAIR DESIGN INSTITUTE, INC., New York, N. Y.
Filed May 11, 1937. Serial No. 392,577. PUBLISHED AUGUST 24, 1937. Class 44.

351,539. ANTISEPTIC DEODORANT CREAM AND NONPERSPIRANT CREAM. THE PHARMA-CRAFT CORPORATION, Louisville, Ky.
Filed May 11, 1937. Serial No. 392,607. PUBLISHED AUGUST 17, 1937. Class 6.

351,540. ANATOMICAL PRESERVATIVE MATERIAL. BONDURA CHEMICAL LABORATORIES, INC., New York, N. Y.
Filed May 12, 1937. Serial No. 392,628. PUBLISHED AUGUST 10, 1937. Class 6.

351,541. SUN TAN LOTION FOR USE AS A SKIN PROTECTOR, A POWDER BASE, AND A SUNBURN PREVENTATIVE. A. J. KRANK COMPANY, St. Paul, Minn.
Filed May 14, 1937. Serial No. 392,759. PUBLISHED AUGUST 17, 1937. Class 6.

351,542. AIR CONDITIONING MACHINES. CARRAWAY-BYRD CORPORATION, Dallas, Tex.
Filed May 15, 1937. Serial No. 392,787. PUBLISHED AUGUST 24, 1937. Class 34.

351,543. PLASTIC CHROME REFRACTORY MATERIAL FOR RAMMING FURNACE BOTTOMS OR SIDE WALLS. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 15, 1937. Serial No. 392,828. PUBLISHED AUGUST 17, 1937. Class 12.

351,544. COSMETIC PREPARATIONS—NAMELY, SCENTS, FACE POWDER, COLD CREAM, TALCUM POWDER, AND TOILET WATER. WALGREEN Co., doing business as Valentine Laboratories, Inc., Chicago, Ill.
Filed May 15, 1937. Serial No. 392,829. PUBLISHED AUGUST 10, 1937. Class 6.

351,545. PLAYING CARDS. WALGREEN Co., Chicago, Ill. Filed May 15, 1937. Serial No. 392,830. PUBLISHED AUGUST 24, 1937. Class 22.

351,546. POWER TRANSMISSION MACHINERY COMPRISING ROTARY SHEAVES. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee and West Allis, Wis.
Filed May 17, 1937. Serial No. 392,831. PUBLISHED AUGUST 24, 1937. Class 23.

351,547. SNUFF. FRED GROYA, doing business as Groya Tobacco Co., Chicago, Ill.
Filed May 17, 1937. Serial No. 392,862. PUBLISHED AUGUST 24, 1937. Class 17.

351,548. RESPIRATORY STIMULANT. C. H. BOEHRINGER SOHN AKTIENGESELLSCHAFT, Nieder-Ingelheim-on-the-Rhine, Germany.
Filed May 18, 1937. Serial No. 392,910. PUBLISHED AUGUST 24, 1937. Class 6.

351,549. HOSIERY. JULIUS KAYSER & Co., New York, N. Y.
Filed May 18, 1937. Serial No. 392,926. PUBLISHED AUGUST 17, 1937. Class 39.

351,550. VAGINAL SUPPOSITORIES AND ANTISEPTIC AND DISINFECTANT PREPARATIONS RECOMMENDED FOR GERMICIDAL AND STERILIZING USES, ETC. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed May 18, 1937. Serial No. 392,933. PUBLISHED AUGUST 10, 1937. Class 6.

351,551. FACE AND HAND LOTION, TISSUE TONING CREAM, SKIN TONIC AND ASTRINGENT, FINGER NAIL CLEANSER, AND CUTICLE SOFTENER. CLEANTHE E. LOGOTHETON, doing business as The Eustace Co., New York, N. Y.
Filed May 19, 1937. Serial No. 392,987. PUBLISHED AUGUST 24, 1937. Class 6.

351,552. EYE ASTRINGENT USED IN THE TREATMENT OF EYE AILMENTS. A. S. MEYERS LABORATORIES, INC., Queens Village, N. Y.
Filed May 19, 1937. Serial No. 392,993. PUBLISHED AUGUST 10, 1937. Class 6.

351,553. ALCOHOLIC LIQUEURS. THE TOM COLLINS CORPORATION, Covington, Ky.
Filed May 19, 1937. Serial No. 393,007. PUBLISHED AUGUST 24, 1937. Class 49.

351,554. LIQUID LEVEL CONTROLLERS, AUTOMATIC CUT-OFF VALVES, RELIEF VALVES, FLUID FUEL FIRING CONTROL VALVES, GAUGE COCKS, AND GAUGE VALVES. ALVA G. BLANCHARD, doing business as The Inferno Company, Shreveport, La.
Filed May 20, 1937. Serial No. 393,020. PUBLISHED AUGUST 24, 1937. Class 13.

351,555. ADHESION-PREVENTING MATERIAL FOR RUBBER-VULCANIZING MOLDS, SOLD IN THE FORM OF A PASTE FOR PLASTICIZING RUBBER. CURTIS J. HARWICK, doing business as Standard Chemical Company, Akron, Ohio.
Filed May 20, 1937. Serial No. 393,034. PUBLISHED AUGUST 10, 1937. Class 6.

351,556. MACHINES AND TOOLS FOR MOISTENING, SERVING, OR APPLYING ADHESIVE OR GUMMED TAPE, WRAPPERS, LABELS, AND THE LIKE SHEET OR STRIP MATERIAL, AND PACKAGE AND CONTAINER SEALING, SECURING, WRAPPING, OR LABELING AND LIKE MACHINES, AND DEVICES UTILIZING SUCH MATERIAL. NASHUA PACKAGE SEALING CO., INC., Nashua, N. H.
Filed May 20, 1937. Serial No. 393,043. PUBLISHED AUGUST 24, 1937. Class 23.

351,557. CHEMICAL FINISHING AGENT FOR TEXTILES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed May 21, 1937. Serial No. 393,076. PUBLISHED AUGUST 24, 1937. Class 6.

351,558. MILK, CHOCOLATE MILK, BUTTER, ICE CREAM, CHEESE, BUTTERMILK, AND CREAM. JOSEPH GEORGE VAN KORNGUT, doing business as Crawford Creamery Co., Harmonsburg, Pa.
Filed May 21, 1937. Serial No. 393,096. PUBLISHED AUGUST 24, 1937. Class 46.

351,559. MEN'S AND WOMEN'S SUITS. SUPERTEX CLOTHES, INC., New York, N. Y.
Filed May 25, 1937. Serial No. 393,238. PUBLISHED AUGUST 24, 1937. Class 39.

351,560. BEVERAGE, NON-ALCOHOLIC. THEODORE P. AVLON, Springfield, Mass.
Filed May 25, 1937. Serial No. 393,250. PUBLISHED AUGUST 24, 1937. Class 45.

351,561. EFFERVESCENT ALKALIZER. INLAND LABORATORIES, INCORPORATED, Indianapolis, Ind.
Filed May 26, 1937. Serial No. 393,281. PUBLISHED AUGUST 10, 1937. Class 6.

351,562. PANTS, OVERALLS, SHIRTS, AND JACKETS. MASON & HUGHES, Clarksville, Tenn.
Filed May 27, 1937. Serial No. 393,330. PUBLISHED AUGUST 24, 1937. Class 39.

351,563. SOLID AND LIQUID ESSENTIAL OILS AND RAW PRODUCTS FOR PERFUMERY. PARFUMERIE FRAGONARD; FUCHS ET COMPAGNIE, Grasse, France.
Filed May 27, 1937. Serial No. 393,345. PUBLISHED AUGUST 17, 1937. Class 6.

351,564. STEEL BALE BANDS. AUSTIN BOND, New York, N. Y.
Filed May 28, 1937. Serial No. 393,365. PUBLISHED AUGUST 24, 1937. Class 13.

351,565. MALT AND/OR WHEAT SYRUP, USEFUL AS A YEAST FOOD AND AS AN AUXILIARY BREWING MATERIAL, AND AS A SUBSTITUTE FOR MALT AND/OR UNMALTED CEREAL. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed May 28, 1937. Serial No. 393,401. PUBLISHED AUGUST 24, 1937. Class 48.

351,566. DIASTATIC MALT PREPARATION FOR STARCH SACCHARIFICATION. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed May 28, 1937. Serial No. 393,402. PUBLISHED AUGUST 24, 1937. Class 48.

351,567. FABRIC CURTAINS, DRAPES, HANGINGS, AND PORTIERES. CROWN CURTAIN MILLS, INC., Philadelphia, Pa.
Filed May 29, 1937. Serial No. 393,416. PUBLISHED AUGUST 24, 1937. Class 42.

351,568. RIDING COATS. JOSEPH GREENBERG & Co., New York, N. Y.
Filed May 29, 1937. Serial No. 393,422. PUBLISHED AUGUST 24, 1937. Class 39.

351,569. GENERAL TONIC PARTICULARLY INDICATED IN THE TREATMENT OF ANEMIA. E-Z HEALTH LABORATORIES, also doing business as The Tibbins Pharmacy, Beech Creek, Pa.
Filed May 28, 1937. Serial No. 393,467. PUBLISHED AUGUST 17, 1937. Class 6.

351,570. WATCH CRYSTALS. CURTIS G. HALBERT, Portland, Oreg.
Filed June 1, 1937. Serial No. 393,488. PUBLISHED AUGUST 24, 1937. Class 33.

351,571. SWEATERS AND SPORT JACKETS. BOFINGER & KLINGLER, INC., San Francisco, Calif.
Filed June 3, 1937. Serial No. 393,573. PUBLISHED AUGUST 17, 1937. Class 39.

351,572. OUTER SHIRTS OF ALL KINDS AND UNDERWEAR FOR MEN. CLUETT, PEABODY & Co., INC., Troy, N. Y.
Filed June 3, 1937. Serial No. 393,581. PUBLISHED AUGUST 17, 1937. Class 39.

351,573. BAKING POWDER. FEDERAL YEAST CORPORATION, Baltimore, Md.
Filed June 3, 1937. Serial No. 393,587. PUBLISHED AUGUST 24, 1937. Class 46.

351,574. BAKING POWDER. FEDERAL YEAST CORPORATION, Baltimore, Md.
Filed June 3, 1937. Serial No. 393,588. PUBLISHED AUGUST 24, 1937. Class 46.

351,575. CONCRETE AND STEEL BUILDING BLOCKS, AND FLOORING, ROOFING, AND WALL CONSTRUCTION MATERIALS. HACO COMPANY, St. Louis, Mo.
Filed June 3, 1937. Serial No. 393,595. PUBLISHED AUGUST 24, 1937. Class 12.

351,576. SKI, SKATING, AND SPORT JACKETS, PANTS, AND SKIRTS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY, INC., Baltimore, Md.
Filed June 3, 1937. Serial No. 393,597. PUBLISHED AUGUST 17, 1937. Class 39.

351,577. SMOKING TOBACCO AND CIGARETTES. MURRAY, SONS & Co., LIMITED, Belfast, Ireland.
Filed June 3, 1937. Serial No. 393,610. PUBLISHED AUGUST 3, 1937. Class 17.

351,578. CANDIES. IRA WILSON & SONS DAIRY COMPANY, Detroit, Mich.
Filed June 3, 1937. Serial No. 393,627. PUBLISHED AUGUST 24, 1937. Class 46.

351,579. PHOTOGRAPHIC DEVELOPER. HAROLD L. HARVEY, Baltimore, Md.
Filed June 4, 1937. Serial No. 393,644. PUBLISHED AUGUST 17, 1937. Class 6.

351,580. WHISKEY. MONONGAHELA RYE LIQUORS, INCORPORATED, Pittsburgh, Pa.
Filed June 4, 1937. Serial No. 393,660. PUBLISHED AUGUST 24, 1937. Class 49.

351,581. REFRACTORY MATERIAL—NAMELY, AN ALUMINUM SILICATE BASE AND A HYDRAULIC CEMENT BOND WITH WHICH WATER IS MIXED FOR PROVIDING A PLASTIC MASS WHICH MAY BE CAST. THE CHAS. TAYLOR SONS Co., Cincinnati, Ohio.
Filed June 4, 1937. Serial No. 393,678. PUBLISHED AUGUST 24, 1937. Class 12.

351,582. UPHOLSTERY AND DRAPERY TRIMMINGS, IN THE PIECE OR BOLT, MADE WHOLLY OR IN PART OF RAYON, WOOL, WORSTED, COTTON, SILK, OR THE LIKE, OR MIXTURES THEREOF. CONSOLIDATED TRIMMING CORPORATION, New York, N. Y.
Filed June 5, 1937. Serial No. 393,699. PUBLISHED AUGUST 24, 1937. Class 42.

351,583. UPHOLSTERY AND DRAPERY TRIMMINGS, IN THE PIECE OR BOLT, MADE WHOLLY OR IN PART OF RAYON, WOOL, WORSTED, COTTON, SILK, OR THE LIKE, OR MIXTURES THEREOF. CONSOLIDATED TRIMMING CORPORATION, New York, N. Y.
Filed June 5, 1937. Serial No. 393,700. PUBLISHED AUGUST 24, 1937. Class 42.

351,584. REFRACTORY BRICKS, BLOCKS, SHAPES, TILES, AND CEMENT. LAVA CRUCIBLE COMPANY OF PITTSBURGH, Pittsburgh, Pa.
Filed June 5, 1937. Serial No. 393,716. PUBLISHED AUGUST 24, 1937. Class 12.

351,585. SLEEPING GARMENTS FOR WEAR BY ADULT MEN AND WOMEN. R. H. MACY & Co., INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,720. PUBLISHED AUGUST 17, 1937. Class 39.

351,586. MEN'S, WOMEN'S, BOYS', AND GIRLS' PARTLY KNITTED AND PARTLY WOVEN PULLOVER COATS, SPORTS COATS AND SWEATERS. NEW YORK KNITTING MILLS, INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,727. PUBLISHED AUGUST 24, 1937. Class 39.

351,587. MEN'S AND BOYS' SUITS. CURLEE CLOTHING COMPANY, St. Louis, Mo.
Filed June 7, 1937. Serial No. 393,754. PUBLISHED AUGUST 17, 1937. Class 39.

351,588. COMBINED MERCHANDIZING TAGS AND LABELS. HERMAN P. KNOBLE, doing business as The Florists Marketing Organization, Cleveland, Ohio.
Filed June 7, 1937. Serial No. 393,771. PUBLISHED AUGUST 24, 1937. Class 37.

351,589. SOLIDIFIED CARBON DIOXIDE, COMMONLY KNOWN AS DRY ICE. THE LIQUID CARBONIC CORPORATION, Chicago, Ill.
Filed June 7, 1937. Serial No. 393,772. PUBLISHED AUGUST 17, 1937. Class 6.

351,590. MAYONNAISE DRESSING, 1000 ISLAND DRESSING, VEGETABLE SALAD DRESSING, MEXICAN CHILI, WESTERN CHILI, TAMALES, AND PRODUCTS COMPRISING, RESPECTIVELY, COOKED COMBINATIONS OF MEAT, CHEESE, CHILI, AND BEANS, AND CORN, NOODLES, CHEESE, MEAT, AND TOMATO SAUCE. HARRY AKIN, Austin, Tex.
Filed June 8, 1937. Serial No. 393,791. PUBLISHED AUGUST 24, 1937. Class 46.

351,591. MEDICINE FOR TREATING DISEASES OF POULTRY. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 8, 1937. Serial No. 393,821. PUBLISHED AUGUST 17, 1937. Class 6.

351,592. STONE MONUMENTS, STONE MEMORIALS, STONE TABLETS, AND TOMBSTONES. SOUTHERN QUARRYING COMPANY, Elberton, Ga.
Filed June 8, 1937. Serial No. 393,823. PUBLISHED AUGUST 24, 1937. Class 50.

351,593. COTTON PIECE GOODS. A. E. NATHAN COMPANY, INC., New York, N. Y.
Filed May 29, 1937. Serial No. 393,829. PUBLISHED AUGUST 24, 1937. Class 42.

351,594. WRITING PAPER, ENVELOPES, COMPENDIUMS, AND WRITING PADS. JOHN DICKINSON & Co., LIMITED, London, England.
Filed June 9, 1937. Serial No. 393,840. PUBLISHED AUGUST 3, 1937. Class 37.

351,595. MATERIAL TO BE USED AS AN INGREDIENT FOR CEMENT, MASONRY MORTAR, STUCCO, PLASTER, AND THE LIKE, TO IMPROVE THE PROPERTIES THEREOF, ETC. THE MASTER BUILDERS COMPANY, Cleveland, Ohio.
Filed June 9, 1937. Serial No. 393,862. PUBLISHED AUGUST 17, 1937. Class 12.

351,596. WORM EXPELLERS FOR ANIMALS. MOORMAN MANUFACTURING COMPANY, Quincy, Ill.
Filed June 9, 1937. Serial No. 393,868. PUBLISHED AUGUST 17, 1937. Class 6.

351,597. HOSIERY. VAN RAALTE COMPANY, New York, N. Y.
Filed June 9, 1937. Serial No. 393,880. PUBLISHED AUGUST 17, 1937. Class 39.

351,598. BEER. KOLLER BREWING COMPANY, INC., Chicago, Ill.
Filed June 9, 1937. Serial No. 393,884. PUBLISHED AUGUST 24, 1937. Class 48.

351,599. CHEMICALS USED IN THE PREPARATION OF PHOTOGRAPHIC DEVELOPERS. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y.
Filed June 10, 1937. Serial No. 393,904. PUBLISHED AUGUST 17, 1937. Class 6.

351,600. WHISKEY. BON-TON, INCORPORATED, Chicago, Ill.
Filed April 14, 1937. Serial No. 391,303. PUBLISHED AUGUST 3, 1937. Class 49.

351,601. CANDY, CONSISTING OF CHOCOLATE COVERED CREAMS, CHOCOLATE COVERED CARAMELS, CHOCOLATE COVERED SOFT CANDY, CHOCOLATE COVERED BRITTLES, CHOCOLATE COVERED NUT CANDY, UNCOVERED CARAMELS, AND UNCOVERED BRITTLES. ELIZABETH MAXWELL CANDIES, Los Angeles, Calif.
Filed June 10, 1937. Serial No. 393,914. PUBLISHED AUGUST 24, 1937. Class 46.

351,602. FLUID DISINFECTANT, GERMICIDE, AND ANTISEPTIC. THE WM. S. MERRELL COMPANY, Reading, Ohio.
Filed June 10, 1937. Serial No. 393,915. PUBLISHED AUGUST 24, 1937. Class 6.

351,603. DYE FOR OILS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed June 10, 1937. Serial No. 393,922. PUBLISHED AUGUST 17, 1937. Class 6.

351,604. PILLOW BLOCKS. AHLBERG BEARING COMPANY, Chicago, Ill.
Filed June 11, 1937. Serial No. 393,932. PUBLISHED AUGUST 17, 1937. Class 23.

351,605. INSECTICIDES FOR HORTICULTURAL USE. DYE-COL PRODUCTS, INC., New York, N. Y.
Filed June 11, 1937. Serial No. 393,948. PUBLISHED AUGUST 17, 1937. Class 6.

351,606. OIL WELL CEMENT. UNIVERSAL ATLAS CEMENT COMPANY, Chicago, Ill.
Filed June 11, 1937. Serial No. 393,965. PUBLISHED AUGUST 17, 1937. Class 12.

351,607. GIN. G. F. HEUBLEIN & BRO., Hartford, Conn.
Filed June 12, 1937. Serial No. 393,984. PUBLISHED AUGUST 24, 1937. Class 49.

351,608. WHISKEY. THE ALVIN S. LOEB CORP., New York, N. Y.
Filed June 12, 1937. Serial No. 393,994. PUBLISHED AUGUST 24, 1937. Class 49.

351,609. THREADS, YARNS, AND NOVELTY YARNS COMPOSED OF WORSTED, WOOL, COTTON, SILK, RAYON, OR A COMBINATION OF SUCH TEXTURES. THE NATIONAL SILK CO., INC., South Coventry, Conn.
Filed June 12, 1937. Serial No. 393,998. PUBLISHED AUGUST 17, 1937. Class 43.

351,610. BRANDY. NICHOLSON BROS. & KAROS, INC., Chicago, Ill.
Filed June 12, 1937. Serial No. 394,000. PUBLISHED AUGUST 24, 1937. Class 49.

351,611. MEDICATION FOR THE RELIEF OF ATHLETE'S FOOT AND POISON IVY. NOXACORN COMPANY, INC., New York, N. Y.
Filed June 12, 1937. Serial No. 394,001. PUBLISHED AUGUST 24, 1937. Class 6.

351,612. CHILDREN'S DRESSES. S. WIEDER CO. INC., New York, N. Y.
Filed June 12, 1937. Serial No. 394,010. PUBLISHED AUGUST 17, 1937. Class 39.

351,613. PREPARATIONS FOR THE RELIEF OF EPILEPSY AND NERVOUSNESS. MORRIS ADLER, New York, N. Y.
Filed June 14, 1937. Serial No. 394,012. PUBLISHED AUGUST 24, 1937. Class 6.

351,614. WOMEN'S AND CHILDREN'S UNDERWEAR. GODFRIED UNDERWEAR CO. INC., New York, N. Y.
Filed June 14, 1937. Serial No. 394,033. PUBLISHED AUGUST 17, 1937. Class 39.

351,615. FLOCK TREATMENT PREPARATION, TONIC, AND CONDITIONER FOR POULTRY. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 14, 1937. Serial No. 394,058. PUBLISHED AUGUST 17, 1937. Class 6.

351,616. INCUBATOR AND POULTRY BROODER HOUSE FUMIGANT. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 14, 1937. Serial No. 394,060. PUBLISHED AUGUST 17, 1937. Class 6.

351,617. ROOST TREATMENT OF LICE AND MITES. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 14, 1937. Serial No. 394,061. PUBLISHED AUGUST 17, 1937. Class 6.

351,618. WEATHER STRIPS AND STRIPS FOR SEALING WINDOWS, DOORS, AND SIMILAR OPENINGS. GARDNER WIRE CO., Chicago, Ill.
Filed June 15, 1937. Serial No. 394,080. PUBLISHED AUGUST 17, 1937. Class 12.

351,619. MEDICINAL PREPARATION IN TABLET FORM USEFUL MORE ESPECIALLY IN TREATING COLDS AND SORE THROAT AND IN RELIEVING PAIN. JAMES D. GLUNTS, Boston, Mass.
Filed June 15, 1937. Serial No. 394,082. PUBLISHED AUGUST 24, 1937. Class 6.

351,620. MEDICINAL PREPARATIONS USED IN THE TREATMENT OF SORES AND WOUNDS AND TO STOP THE FLOW OF BLOOD. LINGNER-WERKE VERTRIEBS-G. M. B. H., Dresden, Germany.
Filed June 15, 1937. Serial No. 394,090. PUBLISHED AUGUST 17, 1937. Class 6.

351,621. YARN. AMERICAN SILK SPINNING CO., Providence, R. I.
Filed June 16, 1937. Serial No. 394,116. PUBLISHED AUGUST 17, 1937. Class 43.

351,622. BLENDED COTTON AND WOOL FILLING FOR COMFORTS. THE BILTMORE MANUFACTURING CO., Cincinnati, Ohio.
Filed June 16, 1937. Serial No. 394,120. PUBLISHED AUGUST 24, 1937. Class 1.

351,623. NONALCOHOLIC GRAPEFRUIT DRINK AND BASES AND SIRUPS AND EXTRACTS FOR MAKING SAME. CITRUS CLUB PRODUCTS, INCORPORATED, Phoenix, Ariz.
Filed June 16, 1937. Serial No. 394,123. PUBLISHED AUGUST 24, 1937. Class 45.

351,624. PIANOS. KOHLER & CAMPBELL, INC., New York, N. Y.
Filed June 16, 1937. Serial No. 394,135. PUBLISHED AUGUST 24, 1937. Class 36.

351,625. MEDICINAL PREPARATION FOR GLANDS AND NERVES. EDWARD J. MOORE SONS, INC., doing business as Sanger & Co., Long Island City, N. Y.
Filed June 16, 1937. Serial No. 394,143. PUBLISHED AUGUST 24, 1937. Class 6.

351,626. ASTRINGENT FOR THE FEET. E. L. EMORY, doing business as Emory Manufacturing Company, Oriental, N. C.
Filed June 17, 1937. Serial No. 394,169. PUBLISHED AUGUST 24, 1937. Class 6.

351,627. WHITE LEAD, DRY OR GROUND IN OIL. NATIONAL-BOSTON LEAD COMPANY, Boston, Mass.
Filed June 17, 1937. Serial No. 394,181. PUBLISHED AUGUST 24, 1937. Class 16.

351,628. PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed June 17, 1937. Serial No. 394,188. PUBLISHED AUGUST 24, 1937. Class 35.

351,629. ANTIANEMIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed June 17, 1937. Serial No. 394,201. PUBLISHED AUGUST 24, 1937. Class 6.

351,630. TIMING GEARS AND OTHER LIGHT PRESSURE GEARING AND PARTS OF MACHINES AND MECHANICAL TOOLS MADE OF VULCANIZED FIBRE. WILMINGTON FIBRE SPECIALTY COMPANY, Wilmington and New Castle, Del.
Filed June 17, 1937. Serial No. 394,208. PUBLISHED AUGUST 24, 1937. Class 23.

351,631. MACHINED OR POLISHED BLOCKS OR SLABS OF GRANITE. E. L. SMITH & CO., Barre, Vt.
Filed June 14, 1937. Serial No. 394,211. PUBLISHED AUGUST 17, 1937. Class 12.

351,632. FACIAL AND SKIN CREAMS. GRACE DONOHUE, INC., New York, N. Y.
Filed June 18, 1937. Serial No. 394,225. PUBLISHED AUGUST 24, 1937. Class 6.

351,633. DETECTION DEVICES FOR LEAKAGE OF GAS OR OTHER FLUIDS IN CLOSED SYSTEMS, PARTICULARLY LEAKAGE DETECTORS FOR ATTACHMENT TO FILLING OPENINGS OF AUTOMOBILE RADIATORS, ETC. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed June 18, 1937. Serial No. 394,244. PUBLISHED AUGUST 24, 1937. Class 26.

351,634. FLUID METERS. PITTSBURGH EQUITABLE METER COMPANY, Pittsburgh, Pa.
Filed June 18, 1937. Serial No. 394,249. PUBLISHED AUGUST 24, 1937. Class 26.

351,635. FLUID METERS. PITTSBURGH EQUITABLE METER COMPANY, Pittsburgh, Pa.
Filed June 18, 1937. Serial No. 394,250. PUBLISHED AUGUST 24, 1937. Class 26.

351,636. TELEVISION RECEIVING SETS AND PARTS THEREOF. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed June 18, 1937. Serial No. 394,254. PUBLISHED AUGUST 24, 1937. Class 21.

351,637. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed June 18, 1937. Serial No. 394,263. PUBLISHED AUGUST 24, 1937. Class 39.

351,638. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed June 18, 1937. Serial No. 394,264. PUBLISHED AUGUST 17, 1937. Class 39.

351,639. WATER SOFTENER AND SOAP SAVER HAVING INCIDENTAL PROPERTIES AS A GENERAL HOUSEHOLD CLEANSER. ELLIS VERNER DAY, doing business as Saoso Chemical Co., Dallas, Tex.
Filed June 19, 1937. Serial No. 394,272. PUBLISHED AUGUST 24, 1937. Class 6.

351,640. STOMACH MEDICINE. E. V. D'BERGER, doing business as Mount Shasta Pharmacy, Mount Shasta, Calif.
Filed June 19, 1937. Serial No. 394,273. PUBLISHED AUGUST 24, 1937. Class 6.

351,641. WOMEN'S AND MISSES' DRESSES AND FROCKS. DONNELLY GARMENT COMPANY, Kansas City, Mo.
Filed June 19, 1937. Serial No. 394,276. PUBLISHED AUGUST 17, 1937. Class 39.

351,642. TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER AND INNER TUBES THEREFOR. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed June 19, 1937. Serial No. 394,280. PUBLISHED AUGUST 24, 1937. Class 35.

351,643. CHILDREN'S DRESSES, ROMPERS, AND PLAY-SUITS. ROSENAU BROS., INC., Philadelphia, Pa.
Filed June 19, 1937. Serial No. 394,306. PUBLISHED AUGUST 17, 1937. Class 39.

351,644. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed June 19, 1937. Serial No. 394,308. PUBLISHED AUGUST 17, 1937. Class 39.

351,645. MATRIX, DRY MAT OR BOARD, USED IN STEREOTYPING AND ELECTROTYPING. SILVERTONE PROCESS CORPORATION, New York, N. Y.
Filed June 19, 1937. Serial No. 394,310. PUBLISHED AUGUST 24, 1937. Class 50.

351,646. PLANT BULBS. UNIVERSAL BULB CORPORATION, New York, N. Y.
Filed June 19, 1937. Serial No. 394,311. PUBLISHED AUGUST 24, 1937. Class 1.

351,647. TABLET USED IN THE TREATMENT OF ACNE. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed June 21, 1937. Serial No. 394,316. PUBLISHED AUGUST 24, 1937. Class 6.

351,648. TABLETS USED IN THE TREATMENT OF ARTERIO-SCLEROSIS AND HIGH BLOOD PRESSURE. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed June 21, 1937. Serial No. 394,317. PUBLISHED AUGUST 24, 1937. Class 6.

351,649. COLLOIDAL SULPHUR PREPARATION USED AS AN INTESTINAL ANTISEPTIC FOR INFECTIONS OF THE INTESTINAL TRACT, SUCH AS AGMARR HAGIC DYSENTERY, NECROTIC ENTERITIS, COCCIDIOSIS IN CATTLE, HORSES, SHEEP, POULTRY, AND HOGS. THE COLLOIDAL SULPHUR CO., Chicago, Ill.
Filed June 21, 1937. Serial No. 394,318. PUBLISHED AUGUST 24, 1937. Class 6.

351,650. TRANSFER PAPER. MCLAURIN-JONES CO., Brookfield, Mass.
Filed June 21, 1937. Serial No. 394,337. PUBLISHED AUGUST 24, 1937. Class 37.

351,651. PREVENTATIVE PREPARATION FOR VENEREAL DISEASES. ROSCOE M. NICHOLSON, doing business as Nicholson Chemical Co., Los Angeles, Calif.
Filed June 21, 1937. Serial No. 394,343. PUBLISHED AUGUST 24, 1937. Class 6.

351,652. WHISKEY. PACIFIC WINE AND SPIRITS COMPANY, San Francisco, Calif.
Filed June 21, 1937. Serial No. 394,344. PUBLISHED AUGUST 24, 1937. Class 49.

351,653. WOMEN'S COATS AND SUITS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed June 21, 1937. Serial No. 394,348. PUBLISHED AUGUST 17, 1937. Class 39.

351,654. FISHING RODS. SOUTH BEND BAIT COMPANY, South Bend, Ind.
Filed June 21, 1937. Serial No. 394,354. PUBLISHED AUGUST 24, 1937. Class 22.

351,655. MECHANICAL FLOW METERS FOR RECORDING AND TOTALIZING WITH OR WITHOUT INDICATING MEANS. BUILDERS IRON FOUNDRY, Providence, R. I.
Filed June 22, 1937. Serial No. 394,370. PUBLISHED AUGUST 24, 1937. Class 26.

351,656. DICE. HARRINGTON E. DRAKE, doing business as Mason & Company, Newark, N. J.
Filed June 22, 1937. Serial No. 394,371. PUBLISHED AUGUST 24, 1937. Class 22.

351,657. SKIN OINTMENT. MARCEL PORCHER, Paris, France.
Filed June 22, 1937. Serial No. 394,381. PUBLISHED AUGUST 24, 1937. Class 6.

351,658. MEDICINAL PREPARATION PUT UP IN LIQUID AND TABLET FORM FOR ORAL ADMINISTRATION AND IN AMPOULES FOR INTRAMUSCULAR OR INTRAVENOUS INJECTIONS, ETC. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed June 22, 1937. Serial No. 394,388. PUBLISHED AUGUST 17, 1937. Class 6.

351,659. CANNED SALMON. SHIELD FOODS, INC., Buffalo, N. Y.
Filed June 22, 1937. Serial No. 394,389. PUBLISHED AUGUST 24, 1937. Class 46.

351,660. INNER SPRING UNITS FOR INCORPORATION IN BED SPRINGS, MATTRESSES, COUCHES, SOFAS, CHAIRS, HAMMOCKS, GLIDERS, AND SEATS. THE ENGLANDER SPRING BED CO. INC., Brooklyn, N. Y.
Filed June 23, 1937. Serial No. 394,406. PUBLISHED AUGUST 24, 1937. Class 32.

351,661. BEER, ALE, AND PORTER. FIDELIO BREWERY, INC., New York, N. Y.
Filed June 23, 1937. Serial No. 394,409. PUBLISHED AUGUST 24, 1937. Class 48.

351,662. YARNS. FLEISHER YARNS, INC., New York, N. Y.
Filed June 23, 1937. Serial No. 394,411. PUBLISHED AUGUST 17, 1937. Class 43.

351,663. YARNS. FLEISHER YARNS, INC., New York, N. Y.
Filed June 23, 1937. Serial No. 394,412. PUBLISHED AUGUST 17, 1937. Class 43.

351,664. YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed June 23, 1937. Serial No. 394,439. PUBLISHED AUGUST 17, 1937. Class 43.

351,665. PERFUMES, TOILET WATERS, FACE AND TOILET POWDERS, POWDER AND ROUGE COMPACTS, ROUGES, LIPSTICKS, BATH SALTS, LOTIONS FOR THE SKIN AND HAIR, AND SACHETS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, New York, N. Y., a corporation of New York.
Filed June 24, 1937. Serial No. 394,451. PUBLISHED AUGUST 24, 1937. Class 6.

351,666. WOOLEN PIECE GOODS AND PIECE GOODS OF WOOL AND ANIMAL HAIR. NEW YORK KNITTING MILLS, INC., New York, N. Y.
Filed June 24, 1937. Serial No. 394,468. PUBLISHED AUGUST 24, 1937. Class 42.

351,667. SALVE FOR BOILS. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo.
Filed June 24, 1937. Serial No. 394,469. PUBLISHED AUGUST 24, 1937. Class 6.

351,668. LOTION TO PREVENT SUNBURN AND CREAM TO RELIEVE SUNBURN. SCHIEFFELIN & Co., New York, N. Y.
Filed June 24, 1937. Serial No. 394,471. PUBLISHED AUGUST 17, 1937. Class 6.

351,669. PREPARATION IN POWDERED FORM FOR USE IN DESIZING TEXTILE GOODS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed June 24, 1937. Serial No. 394,476. PUBLISHED AUGUST 24, 1937. Class 6.

351,670. PLASTIC MATERIAL OF A VINYL ACETATE BASE FOR USE IN THE MANUFACTURE OF MOLDED PRODUCTS. FOSTER GRANT CO. INC., Leominster, Mass.
Filed June 25, 1937. Serial No. 394,482. PUBLISHED AUGUST 24, 1937. Class 1.

351,671. HOSIERY. LARGMAN, GRAY COMPANY, Croydon, Pa.
Filed June 25, 1937. Serial No. 394,493. PUBLISHED AUGUST 24, 1937. Class 39.

351,672. HAIR OIL AND BRILLIANTINE. HERMAN B. LAYMON, doing business as The World's Products Company, Spencer, Ind.
Filed June 25, 1937. Serial No. 394,494. PUBLISHED AUGUST 17, 1937. Class 6.

351,673. LINEN FABRICS IN THE PIECE. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y.
Filed June 25, 1937. Serial No. 394,496. PUBLISHED AUGUST 24, 1937. Class 42.

351,674. SPECTACLES, GOGGLES, AND SLIP-OVER SUN GLASSES. MARINE OPTICAL MFG. CO., Boston, Mass.
Filed June 25, 1937. Serial No. 394,497. PUBLISHED AUGUST 24, 1937. Class 26.

351,675. DEODORANT PREPARATION. MYSTIC LABORATORIES, INC., Jersey City, N. J.
Filed June 25, 1937. Serial No. 394,501. PUBLISHED AUGUST 24, 1937. Class 6.

351,676. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed June 25, 1937. Serial No. 394,515. PUBLISHED AUGUST 24, 1937. Class 6.

351,677. ANTI-FREEZE SOLUTION. W. H. BARBER COMPANY, Chicago, Ill.
Filed June 26, 1937. Serial No. 394,522. PUBLISHED AUGUST 24, 1937. Class 6.

351,678. PILE FABRICS IN THE PIECE CONSISTING OF COTTON AND MOHAIR. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed June 26, 1937. Serial No. 394,528. PUBLISHED AUGUST 24, 1937. Class 42.

351,679. WOMEN'S AND MISSES' PAJAMAS AND NEGLIGEES OF ALL KINDS, CHARACTER, AND DESCRIPTION. FRIEDLANDER BROS. INC., New York, N. Y.
Filed June 26, 1937. Serial No. 394,532. PUBLISHED AUGUST 24, 1937. Class 39.

351,680. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 26, 1937. Serial No. 394,541. PUBLISHED AUGUST 17, 1937. Class 6.

351,681. MEDICINAL PREPARATION CONTAINING A MILD SILVER PROTEIN, USEFUL, AMONG OTHER THINGS, FOR THE TREATMENT OF ACUTE AND CHRONIC INFLAMMATION OF MUCOUS MEMBRANES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,617. PUBLISHED AUGUST 24, 1937. Class 6.

351,682. PIECE GOODS OF COTTON, LINEN, ARTIFICIAL SILK, AND SYNTHETIC (RAYON OR ACETATE) TEXTILE FABRICS, PLAIN, COLORED, AND PRINTED. MARVLO MILLS, INC., New York, N. Y.
Filed June 28, 1937. Serial No. 394,622. PUBLISHED AUGUST 24, 1937. Class 42.

351,683. TOILET WATER. PINAUD INCORPORATED, New York, N. Y.
Filed June 28, 1937. Serial No. 394,629. PUBLISHED AUGUST 17, 1937. Class 6.

351,684. MEDICINAL PREPARATION IN SOLUTION FORM RECOMMENDED FOR ATHLETE'S FOOT AND ALL FORMS OF LOCAL SKIN INFECTIONS AND DESIGNED FOR EXTERNAL USE ONLY. TURNER PHARMACAL COMPANY, Miami, Fla.
Filed June 28, 1937. Serial No. 394,647. PUBLISHED AUGUST 17, 1937. Class 6.

351,685. RAZOR BLADES. FRED HARVEY, Chicago, Ill.
Filed June 29, 1937. Serial No. 394,664. PUBLISHED AUGUST 24, 1937. Class 23.

351,686. STEAM FLOW METERS AND ROTARY AND TILTING TYPE CONDENSATION METERS FOR GRAVITY AND VACUUM SERVICE. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y.
Filed June 30, 1937. Serial No. 394,691. PUBLISHED AUGUST 24, 1937. Class 26.

351,687. PIANOS. HARDMAN, PECK & COMPANY, New York, N. Y.
Filed June 30, 1937. Serial No. 394,707. PUBLISHED AUGUST 24, 1937. Class 36.

351,688. LAUNDRY WASHING MACHINES. THE MYSTERY MANUFACTURING COMPANY, Independence, Kans.
Filed July 2, 1937. Serial No. 394,796. PUBLISHED AUGUST 24, 1937. Class 24.

351,689. SHEETS, PILLOW CASES, BLANKETS, AND COTTON PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed July 2, 1937. Serial No. 394,801. PUBLISHED AUGUST 24, 1937. Class 42.

351,690. TABLE DAMASK. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 2, 1937. Serial No. 394,812. PUBLISHED AUGUST 24, 1937. Class 42.

351,691. NUTS. AWFUL FRESH MACFARLANE, Oakland, Calif.
Filed July 3, 1937. Serial No. 394,818. PUBLISHED AUGUST 24, 1937. Class 46.

351,692. CANNED FIGS. BECKWITH PACKING CORPORATION, Turlock, Calif.
Filed July 3, 1937. Serial No. 394,821. PUBLISHED AUGUST 24, 1937. Class 46.

351,693. RUM. CAPITOL WINE & SPIRIT CORP., New York, N. Y.
Filed July 3, 1937. Serial No. 394,824. PUBLISHED AUGUST 24, 1937. Class 49.

351,694. [WITHDRAWN.]

351,695. BOILER CLEANER AND STEAM CONDITIONER. KENITE LABORATORY, INC., New York, N. Y.
Filed July 3, 1937. Serial No. 394,841. PUBLISHED AUGUST 24, 1937. Class 6.

351,696. CANVAS CLOTH IN THE PIECE USED FOR INTERLINING AND PADDING CLOTHING. LESEM BACH & Co. INCORPORATED, New York, N. Y.
Filed July 3, 1937. Serial No. 394,843. PUBLISHED AUGUST 24, 1937. Class 42.

351,697. FRESH VEGETABLES. MONTELEONE-MICHEL Co., Los Angeles, Calif.
Filed July 3, 1937. Serial No. 394,851. PUBLISHED AUGUST 24, 1937. Class 46.

351,698. DYESTUFFS. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed July 3, 1937. Serial No. 394,863. PUBLISHED AUGUST 24, 1937. Class 6.

351,699. POLISHING-WHEEL CEMENT. INDUSTRIAL LUBRICANTS COMPANY, Detroit, Mich.
Filed July 6, 1937. Serial No. 394,901. PUBLISHED AUGUST 24, 1937. Class 5.

351,700. HYGIENIC VAGINAL TAMPONS. HENRY LEWIS SELTZER, Boston, Mass.
Filed July 6, 1937. Serial No. 394,914. PUBLISHED AUGUST 24, 1937. Class 44.

351,701. WHISKEY. THE BALTIMORE PURE RYE DISTILLING COMPANY, Dundalk, Md.
Filed July 8, 1937. Serial No. 394,970. PUBLISHED AUGUST 24, 1937. Class 49.

351,702. METAL TANKS. BROWN STEEL TANK CO., Minneapolis, Minn.
Filed July 8, 1937. Serial No. 394,974. PUBLISHED AUGUST 24, 1937. Class 2.

351,703. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash.
Filed July 9, 1937. Serial No. 395,027. PUBLISHED AUGUST 24, 1937. Class 46.

351,704. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash.
Filed July 9, 1937. Serial No. 395,028. PUBLISHED AUGUST 24, 1937. Class 46.

351,705. WHEAT FLOUR. FISHER FLOURING MILLS COMPANY, Harbor Island, Seattle, Wash.
Filed July 9, 1937. Serial No. 395,029. PUBLISHED AUGUST 24, 1937. Class 46.

351,706. MALT BEVERAGES. OLD DUTCH BREWERS, INC., Brooklyn, N. Y.
Filed July 9, 1937. Serial No. 395,047. PUBLISHED AUGUST 24, 1937. Class 48.

351,707. MAGNESIUM AND MAGNESIUM ALLOYS. AMERICAN MAGNESIUM CORPORATION, Cleveland, Ohio.
Filed July 10, 1937. Serial No. 395,059. PUBLISHED AUGUST 24, 1937. Class 14.

351,708. COFFEE. LEADWAY STORES CORPORATION, Chicago, Ill.
Filed July 12, 1937. Serial No. 395,136. PUBLISHED AUGUST 24, 1937. Class 46.

351,709. WATCHES AND CLOCKS. THE LONGINES-WITTNAUER CO. INC., New York, N. Y.
Filed July 12, 1937. Serial No. 395,137. PUBLISHED AUGUST 24, 1937. Class 27.

351,710. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. NEHI, INC., Columbus, Ga.
Filed July 12, 1937. Serial No. 395,143. PUBLISHED AUGUST 24, 1937. Class 45.

351,711. EXPLOSIVES. DON B. MCCLOUD, Du Quoin, Ill.
Filed July 14, 1937. Serial No. 395,197. PUBLISHED AUGUST 24, 1937. Class 9.

351,712. WHISKEY. KROGMAN DISTILLING CO., INC., Tell City, Ind.
Filed July 16, 1937. Serial No. 395,300. PUBLISHED AUGUST 24, 1937. Class 49.

351,713. WHISKEY. KROGMAN DISTILLING CO., INC., Tell City, Ind.
Filed July 16, 1937. Serial No. 395,301. PUBLISHED AUGUST 24, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

351,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936. Serial No. 376,505.

Baby Comfort

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eyedrops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Dec. 27, 1916.

351,715. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Apr. 8, 1936. Serial No. 376,937.

SCRULUG

For Electrical Connecters.
Claims use since Sept. 14, 1935.

351,716. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed Apr. 21, 1936. Serial No. 377,491.

TUFFBALL

For Golf Balls.
Claims use since Feb. 21, 1936.

351,717. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMS CORDAY, INC., New York, N. Y. Filed June 16, 1936. Serial No. 379,811.

Barbara Barlow

For Cleansing Cream, Liquid Cleanser, Tissue Cream, Texture Cream, Astringent, Skin Tonic, Toning Fluid, All Purpose Cream, Pore Fluid, Cold Cream, Foundation Cream, Face Powder, Rouge, Lipstick.
Claims use since June 10, 1936.

351,718. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SKIN-TOX, INC., Dayton, Ohio. Filed June 22, 1936. Serial No. 380,084.

Skin Tox

For Preparation for the Treatment of Eczema, Psoriasis, Athlete's Foot, Impetigo, Poison Ivy, Itch, Dandruff, and Other Irritations of the Skin.
Claims use since Apr. 8, 1936.

351,719. (CLASS 12. CONSTRUCTION MATERIALS.) M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Aug. 3, 1936. Serial No. 381,772.

Resnprest

For Plywood.
Claims use since July 15, 1936.

351,720. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) POMONA MANUFACTURING COMPANY, Pomona, N. C. Filed Aug. 27, 1936. Serial No. 382,635.

WOOSTER

For Piece Goods Composed of Woolen and Cotton.
Claims use since June 26, 1936.

351,721. (CLASS 48. MALT BEVERAGES AND LIQUORS.) SOUTHERN BREWING COMPANY, INC., Houston, Tex. Filed Sept. 8, 1936. Serial No. 383,037.

NICKEL SPLITS

For Beer.
Claims use since Sept. 1, 1936.

351,722. (CLASS 37. PAPER AND STATIONERY.) S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 22, 1936. Serial No. 383,507.

Elizabeth Post

For Facial Tissues.
Claims use since Sept. 15, 1936.

351,723. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Oct. 5, 1936. Serial No. 383,970.

SNOW WHITE

For Handles for Hand Implements Excluding All Striking Tools, and Including Cultivators, Seeders, Forks, Potato Hooks, Manure Hooks, Nurserymen's Hooks, Refuse Hooks, Stone Hooks, Clam Hooks, Drags, Rakes, Hoes, Weeders, Turf Edgers, Sod Lifters, Weed Cutters, Shovels, Trowels, Spades, Floor Scrapers, Sidewalk Cleaners, Ice Chisels, Cattle Prods, Shepherds' Crooks, Corn Hooks, Hay Knives, Hay Forks.
Claims use since Sept. 19, 1936.

351,724. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Oct. 10, 1936. Serial No. 384,215.

Rum Collins

For Rum.
Claims use since Sept. 19, 1936.

351,725. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ISLAND ROAD BOTTLING CO., Philadelphia, Pa. Filed Oct. 27, 1936. Serial No. 384,853.

OLD VENICE

For Nonalcoholic, Noncereal Maltless Beverages Sold as Soft Drinks.
Claims use since Sept. 15, 1936.

351,726. (CLASS 31. FILTERS AND REFRIGERATORS.) THE BAND BOX CORPORATION, St. Louis, Mo. Filed Feb. 1, 1937. Serial No. 388,385.

KLEERFLO

For Filter for Dry-Cleaning Solvent.
Claims use since Sept. 1, 1936.

351,727. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACQUES KREISLER SALES CORPORATION, New York, N. Y. Filed Feb. 18, 1937. Serial No. 389,071.

WOODY

For Compacts and Combination Vanity Cases Filled with Powder.
Claims use since August, 1936.

351,728. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Mar. 9, 1937. Serial No. 389,814.

Louise André

For Face Powder, Dusting Powder, Perfume, Toilet Water, Cologne, Brilliantine, Bath Oil, Lipstick, Cream Rouge, Dry Rouge, Mascara, Eye Shadow, Eye Make-Up Cream, Cleansing Cream, Cleansing Oil, Facial Cream, Nourishing Cream, Foundation Cream, Blending Cream, Toilet Cream, Make-Up Lotion, Skin Tonic, Special Astringent, Nail Polish, Deodorant, Muscle Oil, Eye Wrinkle Lotion, Eye Bath, Acne Lotion, Pore Paste, Hand Lotion, Stimulating Cream, Sunburn Cream, Facial Mask, Mask Cream, and Dusting Powder; Beauty Bags Containing Powder, Hand Lotion, Make-Up Lotion, Nourishing Cream, Cleansing Cream; Home Treatment Box Containing Skin Tonic, Hand Lotion, Nourishing Cream, Facial Cream, Face Powder; Beauty Travel Boxes Containing Powder, Hand Lotion, Make-Up Lotion, Nourishing Cream and Cleansing Cream; Cleansing Kit Containing Facial Cream; Lipstick Rouges, Hand Cream.
Claims use since Jan. 2, 1927.

351,729. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH, RICHARDSON & CONROY, INC., Jacksonville, Fla. Filed Mar. 31, 1937. Serial No. 390,753.

Royalton

For Butter.
Claims use since 1917.

351,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. HOVEY & CO., Boston, Mass. Filed May 21, 1937. Serial No. 393,078.

QUALITY *you can* TASTE

For Butter, Cheese, and Eggs.
Claims use since May 15, 1935.

351,731. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEONARD F. KLEINFELD, doing business as National Photo Supply Co., New York, N. Y. Filed June 8, 1937. Serial No. 393,811.

CURT BENTZIN

For Photographic Cameras.
Claims use since Jan. 18, 1936.

351,732. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) OKAY SUPPLY CORPORATION, New York, N. Y. Filed June 17, 1937. Serial No. 394,185.

CHAMOISIZED BUCKSKIN

For Chamois-Like Skins for Various Uses, as for Window Cleaning, Coat Interlining, Etc.
Claims use since June, 1936.

351,733. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) UNITED DISTILLERS LIMITED, Vancouver, British Columbia, Canada. Filed July 3, 1937. Serial No. 394,884.

Wee McKay

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 14, 1930.

351,734. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUBERT R. CRANE, doing business as Flexible Sewer-Rod Equipment Co., Los Angeles, Calif. Filed July 10, 1937. Serial No. 395,066.

Flexible STEEL

For Sewer Cleaning Equipment, Tools and Parts Thereof, and Including Winches, Scrapers, Power Drives for Winches and Rods, Flexible Rods, Flexible Rod Couplings, Rod Guides, Rod Frames and Frame Stands, "Cork" Screws, Augers, Coil "Pick Up" Tools, Spear Heads, Pull-Out Tools, Turning Handles, Rod Jacks, Sand Cups, Sand Traps, Sewer Snakes, Sewer Rod Sets, and Manhole Jacks.

Claims use since September, 1933.

351,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. W. WELCH CO., INC., Downings, Va., and Eustis, Fla. Filed July 19, 1937. Serial No. 395,440.

EVENRIPE

For Canned Tomatoes, Canned Grapefruit, and Canned Grapefruit Juice for Food Purposes.

Claims use since August, 1914.

351,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE PRAGER, doing business as World's Best Hair Tonic Co., Brooklyn, N. Y. Filed July 30, 1937. Serial No. 395,834.

World's Best

For Preparations for the Hair, Including Hair Tonic, Hair Ointment, Hair Pomade, Shampoo, Dandruff Remover, Scalp Stimulant.

Claims use since Aug. 4, 1922.

351,737. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, New York, N. Y. Filed Aug. 12, 1937. Serial No. 396,312.

Lovlee

For Women's Slips.

Claims use since July 10, 1929.

TRADE-MARK REGISTRATIONS RENEWED

118,215. COFFEE, CINNAMON, TEA, AND LEMON EXTRACT FOR FOOD-FLAVORING PURPOSES. Registered August 21, 1917. SAMUEL M. NEWMARK. Renewed August 21, 1937, to Coffee Products of America Inc., Ltd., Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments.

118,671. CARTRIDGE AND PLUG FUSES FOR ELECTRICAL PURPOSES. Registered September 25, 1917. KIRKMAN ENGINEERING CORPORATION, New York, N. Y., a corporation of New York. Renewed September 25, 1937.

118,714. A NEGATIVE CARBON USED FOR ILLUMINATION AND PROJECTION. Registered September 25, 1917. SPEER CARBON COMPANY, Saint Marys, Pa., a corporation of Pennsylvania. Renewed September 25, 1937.

118,869. CONTAINERS FOR TOILET ARTICLES. Registered October 9, 1917. EISEMAN, KAISER & CO. Renewed October 9, 1937, to Eiseman, Kaye Company, Chicago, Ill., a corporation of Delaware, assignee.

119,170. SHEETS, PILLOW CASES, AND TUBING. Registered October 30, 1917. CARSON, PIRIE, SCOTT & CO. Renewed October 30, 1937, to Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois, assignee.

119,429. CERTAIN NON-ALCOHOLIC BEVERAGES. Registered November 20, 1917. CHIPPEWA SPRINGS CORPORATION, Minneapolis, Minn., a corporation of Minnesota. Renewed November 20, 1937.

119,505. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered November 27, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed November 27, 1937.

119,506. BUTCHERS', BAKERS', GROCERS', CONFECTIONERS', KITCHEN, AND CARVING KNIVES. Registered November 27, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed November 27, 1937.

119,507. BUTCHERS', BAKERS', GROCERS', CONFECTIONERS', KITCHEN AND CARVING KNIVES. Registered November 27, 1917. JOHN CHATILLON & SONS, New York, N. Y., a corporation of New York. Renewed November 27, 1937.

119,808. WHEAT-FLOUR, RYE-FLOUR, SELF-RISING AND PREPARED FLOUR. Registered December 11, 1917. THE SOUTHWESTERN MILLING CO. INC., New York, N. Y., and Kansas City, Mo. Renewed December 11, 1937, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee.

119,982. RIBBONS. Registered December 25, 1917. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed December 25, 1937.

120,463. PREPARATIONS FOR CLEANING THE TEETH. Registered February 5, 1918. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn., a corporation of Connecticut. Renewed February 5, 1938.

120,514. COTTON PIECE GOODS. Registered February 12, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed February 12, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

120,701. BARB-WIRE, WOVEN-WIRE FENCING, AND WIRE FENCING. Registered March 5, 1918. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio, a corporation of New Jersey. Renewed March 5, 1938.

120,898. COTTON PIECE GOODS. Registered March 12, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed March 12, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

120,944. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered March 19, 1918. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed March 19, 1938.

120,974. LIQUID CLEANING PREPARATION FOR ALL COLORED LEATHER, INCLUDING WHITE. Registered March 19, 1918. GRIFFIN MFG. CO., New York, N. Y. Renewed March 19, 1938, to Griffin Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York.

120,996. COTTON PIECE GOODS. Registered March 19, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed March 19, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

121,001. HAIR-CURLERS. Registered March 19, 1918. THE RIESER CO. Renewed March 19, 1938, to The Rieser Company, Inc., New York, N. Y., a corporation of New York, assignee.

121,016. A CLEANING AND POLISHING OIL. Registered March 19, 1918. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed March 19, 1938.

121,027. FACE-LOTIONS AND AFTER-SHAVING PREPARATIONS. Registered March 19, 1918. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn., a corporation of Connecticut. Renewed March 19, 1938.

LABELS

REGISTERED NOVEMBER 2, 1937

50,311.—*Title:* THE HOUSE OF A MILLION NUTS THE SWEETEST SPOT IN TOWN YOU WILL LIKE MY STUFF. For Candy, Chocolates and Nuts. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published August 16, 1937.

50,312.—*Title:* THE UNDERWEAR FOR HOUSES. For a Primer. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Published August 12, 1937.

50,313.—*Title:* UNDERWEAR. For a Surfa[illegible] Primer. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Published August 12, 1937.

50,314.—*Title:* THE UNDERWEAR FOR HOUSES. For a Superwhite Primer. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Published August 12, 1937.

50,315.—*Title:* HOUSE UNDERWEAR. For a Primer. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Published August 12, 1937.

50,316.—*Title:* UNDERWEAR. For House Paint. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Published August 12, 1937.

50,317.—*Title:* ANTISEPTIC DOB-ENE LENS CLEANER. For Lens Cleaners. DOB-ENE COMPANY, New York, N. Y. Published September 24, 1937.

50,318.—*Title:* DWARFIES JUMBO WHEAT. For a Wheat Cereal. DWARFIES CORPORATION, Council Bluffs, Iowa. Published November 10, 1936.

50,319.—*Title:* DWARFIES JUMBO RICE. For a Rice Cereal. DWARFIES CORPORATION, Council Bluffs, Iowa. Published November 10, 1936.

50,320.—*Title:* FISHER'S FOUR ROSES COFFEE. For Coffee. THE FISHER BROTHERS COMPANY, Cleveland, Ohio. Published August 10, 1934.

50,321.—*Title:* POGUE HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published January 1, 1937.

50,322.—*Title:* HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,323.—*Title:* JEAN HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,324.—*Title:* THIS HAIR NET IS GUARANTEED TO BE PERFECT. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,325.—*Title:* AIMCEE HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,326.—*Title:* AIMCEE HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,327.—*Title:* NOBLE LADY HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published January 1, 1937.

50,328.—*Title:* LA MARCELLE HAIR NET. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,329.—*Title:* LORRAINE ROLL AND PUFF FOUNDATION. For Roll and Puff Foundations for Ladies' Hair. THE GLEMBY COMPANY, INC., New York, N. Y. Published September 29, 1937.

50,330.—*Title:* DAY AND NIGHT. For Silk Stockings. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Published September 10, 1937.

50,331.—*Title:* DAY AND NIGHT. For Silk Stockings. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y. Published September 10, 1937.

50,332.—*Title:* KING'S PRIDE. For Canned, Whole Tomatoes. KING PACKING COMPANY, Sweetser, Ind. Published August 17, 1937.

50,333.—*Title:* HOLSUM WHITE SLICED BREAD. For Bread. STEPHEN J. KNIGHT, Denver, Colo. Published June 15, 1937.

50,334.—*Title:* SULPHASOL BEST IN SHOW SHAMPOO. For Shampoo for Dogs. ALFRED LEPINE, Kensington, Ohio. Published September 3, 1937.

50,335.—*Title:* BLUE RIBBON STANDARD STAPLES. For Staples. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y. Published July 13, 1937.

50,336.—*Title:* FUSETRONS. For Combination Fuses and Thermal Cutouts. MCGRAW ELECTRIC COMPANY, doing business as Bussman Manufacturing Company, St. Louis, Mo. Published July 26, 1937.

50,337.—*Title:* FUSETRONS. For Combination Fuses and Thermal Cutouts. MCGRAW ELECTRIC COMPANY, doing business as Bussman Manufacturing Company, St. Louis, Mo. Published July 26, 1937.

50,338.—*Title:* FORTUNE HOUSE FURNISHINGS. For House Furnishings. MEIER & FRANK COMPANY, INC., doing business as Meier & Frank Co., Portland, Oreg. Published June 22, 1937.

50,339.—*Title:* WORTHMORE PASTEURIZED CREAMERY BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published September 15, 1937.

50,340.—*Title:* PLASTIC PLATE. For Plastic Plate Material. MICHIGAN CELLULOSE CORPORATION, Detroit, Mich. Published March 26, 1937.

50,341.—*Title:* CARDINAL. For Carbon Paper and Typewriter Ribbons. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Published May 23, 1936.

50,342.—*Title:* MINERVITE. For Biologically Standardized Vitamin and Mineral Capsules. MINERVITE VITAMIN COMPANY, Brooklyn, N. Y. Published September 16, 1937.

50,343.—*Title:* MINERVITE. For Biologically Standardized Vitamin and Mineral Capsules. MINERVITE VITAMIN COMPANY, Brooklyn, N. Y. Published September 16, 1937.

50,344.—*Title:* O-CEDAR SELF-POLISHING WAX. For a Self-Polishing Wax for All Floors. O-CEDAR CORP'N, Chicago, Ill. Published July 1, 1937.

50,345.—*Title:* NO RUBBING WAX. For a No Rubbing Wax for Linoleum, Tile, Hardware, and Other Types of Floors. O-CEDAR CORP'N, Chicago, Ill. Published July 1, 1937.

50,346.—*Title:* CUBAN BEAUTY. For Canned Pineapple. ARTHUR SERRA & COMPANY, Chicago, Ill. Published July 10, 1937.

50,347.—*Title:* CHIQUITA. For Canned Pineapple. ARTHUR SERRA & COMPANY, Chicago, Ill. Published July 10, 1937.

50,348.—*Title:* COFLO. For Partially Defatted, Cooked Cottonseed Flour. TRADERS OIL MILL CO., Fort Worth, Tex. Published July 1, 1935.

50,349.—*Title:* UNION GLASS CLEANER. For a Glass Cleaning Fluid. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published August 11, 1937.

PRINTS

REGISTERED NOVEMBER 2, 1937

16,539.—*Title:* HOW TO USE CANUTE WATER. For a Hair Coloring Preparation, a Hair Tonic and a Shampoo. THE CANUTE CO., Milwaukee, Wis. Published August 31, 1937.

16,540.—*Title:* THREE SISTERS CLEANSING PADS. For an Instant Facial Cleansing Pad. CLARK-MILLNER COMPANY, Chicago, Ill. Published June 10, 1937.

16,541.—*Title:* FIGHT TEAM, FIGHT. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 5, 1937.

16,542.—*Title:* NOW BETTY CROCKER OFFERS YOU HER "DE-LUXE" GINGERBREAD! (WITH VARIATIONS). For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 5, 1937.

16,543.—*Title:* OLD-TIME . . . CRAFTSMANSHIP. For Beer. PFEIFFER BREWING COMPANY, Detroit, Mich. Published August 12, 1937.

16,544.—*Title:* AN OLD-TIME FAVORITE. For Beer. PFEIFFER BREWING COMPANY, Detroit, Mich. Published August 12, 1937.

16,545.—*Title:* MALT-O THE CHOCOLATE MALT DRINK. For a Chocolate Malt Drink. PURO PRODUCTS CO., Chicago, Ill. Published July 12, 1937.

16,546.—*Title:* ALL THREE IN ONE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 26, 1937.

16,547.—*Title:* ASK YOUR GROCER FOR. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published June 14, 1937.

16,548.—*Title:* EVERY SLICE HAS A GOLDEN GLOW. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published May 10, 1937.

16,549.—*Title:* FLAVOR-SEALED. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published May 25, 1937.

16,550.—*Title:* FROM THE SUNNY COUNTRYSIDE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published June 10, 1937.

16,551.—*Title:* HERE'S HOW BRICKER'S BREAD. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 28, 1937.

16,552.—*Title:* IF BREAD GREW ON TREES. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 14, 1937.

16,553.—*Title:* IT TASTES BETTER, IT TOASTS BETTER. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 12, 1937.

16,554.—*Title:* LIKE AN ORANGE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 15, 1937.

16,555.—*Title:* MORE DELICIOUS, MORE NUTRITIOUS. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published May 3, 1937.

16,556.—*Title:* MOTHER NATURE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published May 13, 1937.

16,557.—*Title:* OUR RECIPE CALLS FOR. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 22, 1937.

16,558.—*Title:* SEE THE GOLDEN GLOW. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published May 17, 1937.

16,559.—*Title:* TODAY! YOUR GROCER HAS. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published April 8, 1937.

16,560.—*Title:* WE TOOK A TIP FROM NATURE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published February 1, 1937.

16,561.—*Title:* WE TOOK A TIP FROM WOMEN. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published June 1, 1937.

16,562.—*Title:* A BRIGHT IDEA FOR DARK BREADS. For Partially Defatted, Cooked Cottonseed Flour. TRADERS OIL MILL CO., Fort Worth, Tex. Published July 1, 1935.

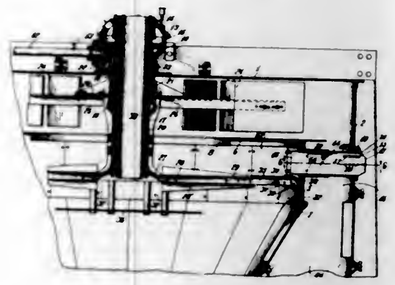
16,563.—*Title:* HOW WOULD YOU LIKE TO DIVE. For Typewriters. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Published September 6, 1937.

16,564.—*Title:* THE EARLY STATEMENT GETS THE CASH. For Typewriters. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Published October 4, 1937.

REISSUES

NOVEMBER 2, 1937

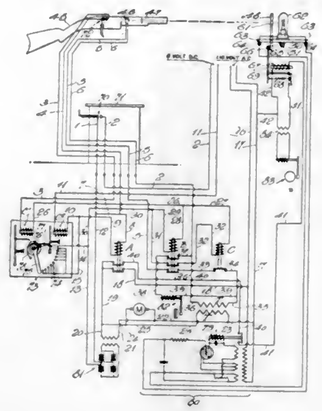
20,543
SEPARATOR
Joe Crites, Evanston, Ill., assignor, by mesne assignments, to Combustion Engineering Company, Inc., a corporation of Delaware
Original No. 2,070,650, dated February 16, 1937, Serial No. 31,856, July 17, 1935. Application for reissue June 4, 1937, Serial No. 146,450
27 Claims. (Cl. 209—139)



20. In combination, an upright casing, means for causing an air stream to flow upwardly through the casing carrying finely divided solid material in suspension, said casing having an annular top wall surrounding a centrally positioned outlet for the air stream, a rotary deflector pivoted about the central vertical axis of the casing and projecting at its periphery into proximity to the casing wall, the deflector being formed with openings in its outer portion for the passage of the air stream, means for rotating the deflector, a non-rotary annular member carried by the casing and spaced downwardly from the top wall of the casing and cooperating with the deflector to provide an inwardly open annular separating space in which the air stream whirls, and adjustable damper means positioned to be projected to selected positions in the separating space.

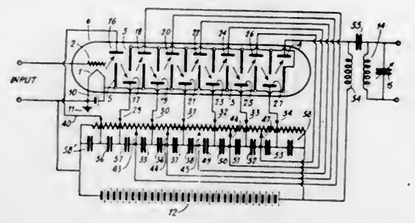
20,544
SHOOTING GALLERY
Charles W. Griffith, Tulsa, Okla., assignor, by mesne assignments, to Rayolite Rifle Range Company, Tulsa, Okla., a corporation of Oklahoma
Original No. 2,007,083, dated July 2, 1935, Serial No. 738,767, August 6, 1934. Application for reissue February 23, 1937, Serial No. 127,181
30 Claims. (Cl. 273—101.1)

12. A shooting gallery comprising a movable target and means for moving the target, said target including a drop member, means for holding the drop member in raised position, said drop member being provided with an aperture, a light sensitive cell associated with the target and movable therewith, said cell being alined with said aperture, and being positioned to be struck by a flash of light accurately directed at the target, and means for actuating said drop holding means



for causing said drop member to fall when a flash of light impinges on said cell.

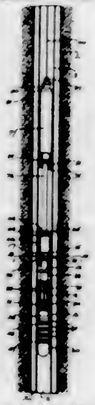
20,545
ELECTRON TUBE
Kenneth W. Jarvis, New Rochelle, N. Y., and Russell M. Blair, Teaneck, N. J.
Original No. 1,903,569, dated April 11, 1933, Serial No. 135,604, September 15, 1926. Application for reissue April 8, 1935, Serial No. 16,108
36 Claims. (Cl. 179—171)



5. An electron discharge device, comprising an evacuated vessel, a cathode to emit primary electrons, a plurality of electrodes, a collector plate electrode mounted to emit secondary electrons under bombardment of primary electrons, an output plate electrode positioned with respect to said collector plate to receive the secondary elec-

tron emission from said collector plate electrode, and a shielding element connected with said cathode and disposed adjacent said output plate for substantially shielding the output plate electrode from all electrodes except the collector plate electrode.

20,546
WELL TOOL
Herbert C. Otis, Dallas, Tex.
Original No. 1,920,103, dated July 25, 1933, Serial No. 499,372, December 1, 1930. Application for reissue June 7, 1935, Serial No. 26,671
30 Claims. (Cl. 166—13)



13. In a well tool including an obstructive device arranged to be run into and out of a well on a wire line, the combination of a mandrel carrying an expansible sealing means to prevent flow around the mandrel, detachable means to restrict rate of fluid passage through the mandrel, means for positioning the tool at any desired depth in the tubing, and means for engagement with a removing tool runnable on a wire line, whereby the well tool may be removed through the tubing on said wire line.

20,547
METHOD OF MAKING CRYSTALLINE ALUMINA AND A PRODUCT CONTAINING THE SAME
Raymond R. Ridgway, Niagara Falls, N. Y., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original No. 2,003,867, dated June 4, 1935, Serial No. 690,589, September 22, 1933. Application for reissue January 8, 1936, Serial No. 58,235
31 Claims. (Cl. 23—142)

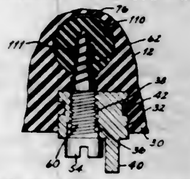
1. The process of producing crystalline alumina in large discrete particles by a single furnacing operation from impure aluminous ores containing one or more of the oxides of silicon, titanium and zirconium, comprising the steps of melting and purifying the alumina in an electric furnace at a high temperature by means of a carbonaceous reducing agent and a limited quantity of not over 5% by weight of a sulfide of a metal of the group consisting of alkali metals and alkaline earth metals which are so proportioned that the solidified melt will consist of crystallized alumina held in a matrix of a water disintegratable glass containing the residual unreduced titanium, zirconium and iron impurities, and slowly cooling the melt to produce large crystals of alumina, the major portion of which are over 100 grit size and thereafter disintegrating the matrix by treating the mass with water and separating the alumina crystals from the impurities.

31. A composition of matter comprising crystalline alumina grains crystallized from a matrix containing the sulfide of a metal of the group consisting of alkali metals and alkaline earth metals, the major portion of which grains are larger than 100 grit size and are well formed, polyhedral, non-fractured, discrete crystals of alumina having plane faces forming both exterior and re-entrant dihedral angles and which are substantially devoid of inclusions of droplets of metal or a glassy phase and analyzing within the following composition range in percentages by weight: Al_2O_3—99.64 to 98.9%; TiO_2—0.2 to 0.6%; SiO_2—nil; Fe_2O_3—0.05 to 0.1%; ZrO_2—0.05 to 0.2%; CaO—0.02 to 0.1%; MgO—0.04 to 0.1%; and Na_2O—nil.

PATENTS

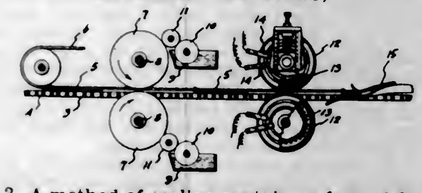
GRANTED NOVEMBER 2, 1937

2,097,426
DISTRIBUTOR CAP
James L. Arthur and William D. Schrope, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 10, 1935, Serial No. 35,603
7 Claims. (Cl. 173—340)



1. A terminal support for an insulated cable comprising in combination, a body of molded insulating material having a relatively thick wall, conductive members secured within the end wall as inserts with the material of the body molded about recess portions of the inserts, said end wall having bores extending inwardly from the peripheral edge surface, each to end after passing over one of the inserts, and bi-pitch threaded members each threaded through an insert and projecting laterally across the inner end of the respective bore.

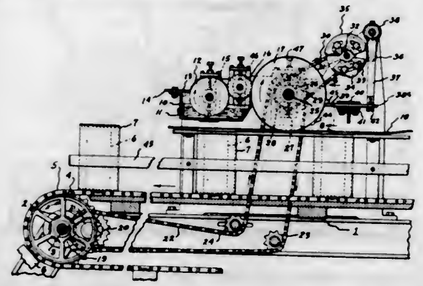
2,097,427
ART OF SEALING CONTAINERS
Robert Morris Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and himself, as trustees
Application August 23, 1935, Serial No. 37,553
14 Claims. (Cl. 93—35)



2. A method of sealing containers formed from flexible sheet material permeable to the solvent to be used which consists as an initial step, coating the inner surfaces at least of the portions to be sealed, with a drying adhesive, then forming the material into containers, then bringing together the portions to be sealed together with the adhesive coated inner surfaces into overlying relation, and moistening the outer surfaces of the portions with a solvent which permeates the sheet material and softens the dry adhesive coated surfaces, and finally heating and pressing the portions to be sealed together.

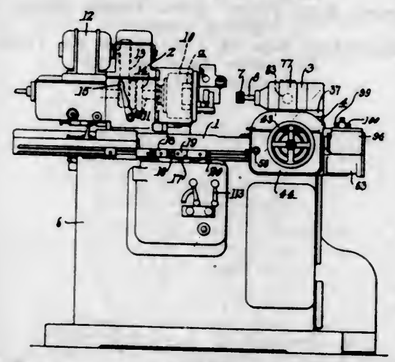
2,097,428
MECHANISM FOR SEALING PACKAGES HERMETICALLY
Samuel Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, as trustees
Application February 14, 1935, Serial No. 6,537
12 Claims. (Cl. 91—50)

1. For use with a carton flap sealing machine having an adhesive spreading doctor roller, an adhesive applying roller, and feeding means for moving a carton so that a flap thereof comes into surface engagement with a coating of adhesive evenly spread on said roller, mechanism comprising reciprocating scraper means so positioned with respect to said adhesive applying roller as



to engage said roller after it has carried adhesive thereon past the high point in its arc of peripheral movement and for engaging the surface of said roller whereby an excess of adhesive is built up on said roller and whereby with the withdrawal of said means said excess is deposited in a predetermined position on said carton flap.

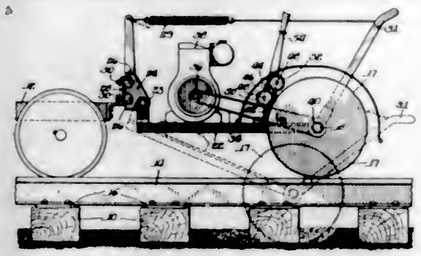
2,097,429
GRINDING MACHINE
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application January 13, 1937, Serial No. 120,419
10 Claims. (Cl. 51—95)



1. In a grinding machine, a wheel supporting member having a wheel thereon, a work-supporting member having a workpiece mounted therein, means for procuring a relative movement between said members to bring the wheel and workpiece into engagement, means responsive to engagement between the wheel and the workpiece for procuring a movement of one of said members relative to the supporting structure therefor, means responsive to said last movement for procuring a change in the grinding operation, and hydraulically actuated means for preventing fur-

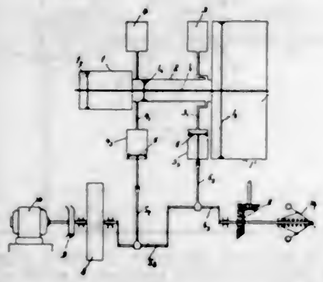
ther movement of said movable member relative to the supporting structure after the wheel and workpiece are in engagement.

2,097,430
TIE REMOVER
Hugh S. Brown, Harvey, Ill., assignor to Hubron Company, Inc., Somerville, N. J., a corporation of New Jersey
Application October 12, 1933, Serial No. 693,241
4 Claims. (Cl. 143—43)



3. Apparatus for removing railroad ties comprising suitable framework supported for pivotal movement in a vertical plane, a soft steel saw disc rotatably mounted on said framework, said saw disc being capable of movement into cutting engagement with the ties upon pivotal movement of said framework, means carried by said framework for rotating said saw disc, an upstanding support secured to said framework adjacent the saw disc, and means carried by said upstanding support for forming teeth on said saw disc, said teeth forming means being shiftable into and out of engagement with the saw disc.

2,097,431
STABILIZING DEVICE FOR TWO-STROKE FREE PISTON ENGINES
Georges Jean Pierre Jules Joseph Brun, St. Etienne, France
Application June 19, 1935, Serial No. 27,292
In France June 20, 1934
15 Claims. (Cl. 230—56)

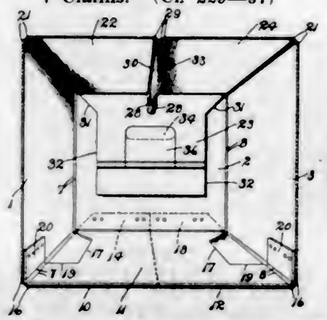


1. In a two-stroke free piston engine, the combination comprising a working cylinder, a compressor cylinder, a rod, adapted to move freely inside said cylinders, a working piston and a compressor piston movable in said cylinders and keyed in tandem on said rod, a stabilizing device, comprising a rotatable shaft, a fly-wheel on said shaft, and means for elastically connecting said shaft with said free rod.

2,097,432
ACETATE ARTIFICIAL SILK DYESTUFFS
Peter George Carter and Reginald Harold Sennett, Blackley, Manchester, England, and Cecil Shaw, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 5, 1935, Serial No. 48,442. In Great Britain November 12, 1934
2 Claims. (Cl. 8—5)

1. The process for coloring materials comprising cellulose acetate which comprises applying thereto an aqueous dispersion of Bz-1-methoxybenzanthrone.

2,097,433
SHIPPING CASE
Lloyd G. Clark and Merrill A. Grogel, Grand Rapids, Mich., assignors to American Box Board Company, Grand Rapids, Mich., a corporation of Michigan
Application August 10, 1936, Serial No. 95,158
7 Claims. (Cl. 229—37)

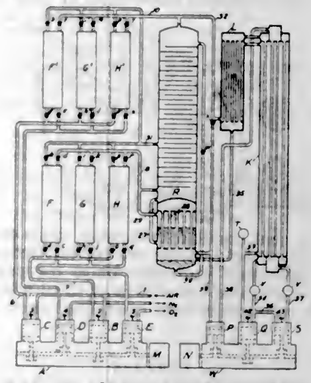


2. A shipping case having vertical sides and ends connected together, bottom sections hinged to the lower edges of said sides extending horizontally inward toward each other and meeting at their free longitudinal edges, means for securing said bottom sections to the ends of the case, auxiliary sections hinged to the lower edges of said ends and extending inwardly toward each other and substantially meeting at their free end edges, and means for securing said auxiliary bottom sections to the sides of the case.

3. A shipping case having vertical sides and ends, and a horizontal bottom, and sections hingedly connected to the upper edges of the ends of said case and extending downwardly at the inner sides of said ends, each of said ends having an opening for hand insertion therethrough, and each of said sections including an integral flap in the body of the section severed from said section at its upper and vertical edges and hinged to the section at its lower edge, said flaps being adapted to cover the adjacent openings in the ends of the case.

2,097,434
APPARATUS FOR COOLING AND RECTIFYING MIXED GASES
William Lane De Baufre, Lincoln, Nebr.
Application November 9, 1935, Serial No. 49,075
24 Claims. (Cl. 62—122)

16. Apparatus for cooling and rectifying mixed gases including regenerators for cooling the mixed gases and for warming the products of rectification, and positive displacement means driven in synchronism for withdrawing said products of rectification in measured quantities, whereby the quantities of said products of rectification are

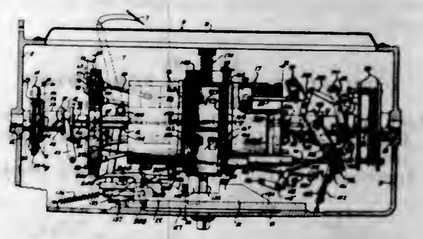


maintained in substantially the same ratio irrespective of the operating capacity of the apparatus.

2,097,435
THIOPHTHALIDE AND PROCESS OF MAKING THE SAME
Paul R. Austin and Paul L. Salzberg, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 19, 1935, Serial No. 27,385
15 Claims. (Cl. 260—16)

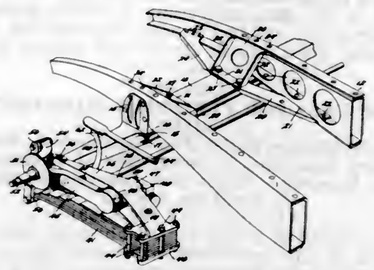
12. A thiophthalide wherein at least one hydrogen atom is replaced by an aromatic substituent.

2,097,436
TRANSMISSION
David S. Bennetch, Sheridan, Pa.
Application May 26, 1933, Serial No. 673,086
12 Claims. (Cl. 60—53)



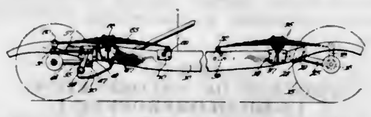
5. In a variable speed transmission, a motor unit and a pump unit, each comprising a rotary cylinder block and a tiltable swash plate rotating therewith, a mechanical clutch for connecting said units, a manually operated brake element for manually moving said motor swash plate from erect position, means immediately moving said motor swash plate to full tilt position irrespective of the extent of operation of said brake element, and means controlled by said brake element for throttling the fluid compressed by the motor unit to obtain braking action.

2,097,437
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 6, 1933, Serial No. 659,879
Renewed July 7, 1937
5 Claims. (Cl. 280—124)



2. In a motor vehicle, the combination with a vehicle frame, of a steering knuckle carried by said frame, said knuckle being provided with a rearwardly extending substantially horizontal arm, a road wheel assembly located substantially laterally of said knuckle, a link supporting said assembly and extending rearwardly and forwardly therefrom, said link being pivotally connected to said knuckle arm for movement with respect thereto in a substantially vertical plane, and a leaf spring assembly carried by said knuckle toward the rear of said knuckle arm and connected to said wheel assembly supporting link at a point forward of said assembly to resist relative vertical movement of said arm and link.

2,097,438
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application December 20, 1933, Serial No. 703,306
Renewed July 7, 1937
8 Claims. (Cl. 280—124)



1. In a motor vehicle, the combination with a vehicle frame, of a road wheel assembly, and means supporting said wheel assembly for rising and falling movement about an axis extending transversely of the frame, said means comprising a member carrying said wheel assembly, said member extending generally longitudinally of the vehicle toward the mid-portion of the frame and being journalled for rotation on the latter about a transverse axis, a longitudinally extending leaf spring assembly acting between said frame and said member to yieldingly resist rising and falling movement of the latter and of the wheel assembly, said spring assembly being connected to said frame on that side of the axis of rotation of said member remote from said wheel assembly, and a shock absorbing mechanism carried by said frame and including an operating shaft, said shaft being rigidly connected with said member to afford a fulcrum for the latter.

2,097,439

THERAPEUTIC PREPARATION AND PROCESS OF MAKING THE SAME

Reinhard Beutner, Louisville, Ky.

No Drawing. Application February 9, 1934, Serial No. 710,529. In Germany August 21, 1933
6 Claims. (Cl. 167—65)

1. A therapeutic preparation capable of producing analgesia and vaso-constriction when applied to the skin, comprising a phenol aldehyde condensation product whose condensation was arrested while still in the alcohol soluble state.

2,097,440

PROCESS FOR PURIFYING MAHOGANY SOAP

Manuel Blumer, Butler, Pa., assignor to L. Sonneborn Sons, Inc., a corporation of Delaware

No Drawing. Application October 16, 1934, Serial No. 748,453
4 Claims. (Cl. 260—159)

1. Process of purifying a mahogany soap obtained in the neutralization of acid treated oil and containing inorganic impurities which consists in the steps of forming a mixture of such soap, water, an alcohol containing not more than three carbon atoms, and sufficient alkali-metal hydroxide to cause separation of the mixture into a first liquid phase substantially free from inorganic salts in excess of 1% and consisting principally of mahogany soap and alcohol, and at least one more liquid phase, and recovering said first liquid phase.

2,097,441

AROMATIC POLYETHER CHLORIDES

Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application May 14, 1936, Serial No. 79,718
16 Claims. (Cl. 260—150)

1. An aromatic polyether chloride having the formula

$$R—O—CH_2—CH_2—O—CH_2—CH_2—O—CH_2—CH_2Cl$$

in which R is an aromatic radical obtainable from a monohydric phenol.

3. An aromatic polyether chloride having the formula

$$R—O—CH_2—CH_2—O—CH_2—CH_2—O—CH_2—CH_2Cl$$

in which R is a phenyl radical containing as a nuclear substituent a monovalent hydrocarbon group.

2,097,442

PROCESS OF CHLORINATING 1,1-DICHLORPROPENE-1

Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 13, 1935, Serial No. 21,301
6 Claims. (Cl. 260—162)

1. A process for preparing chlorinated derivatives of propane which comprises reacting chlorine and 1,1-dichlorpropene-1 in the liquid phase in the dark at a temperature within the range 0–30° C.

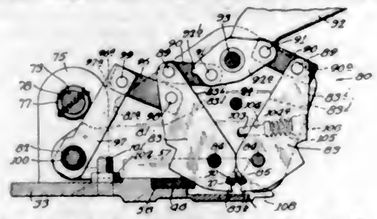
2,097,443

STRAP STRETCHING AND SEALING DEVICE

William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application August 22, 1932, Serial No. 629,798
16 Claims. (Cl. 81—9.1)

1. The combination in a sealing device, of a base plate, a movable head mounted on said base plate, a pair of relatively movable jaws mounted on said head, means for causing said jaws to hold an open seal inserted between them, means for effecting relative movement of said jaws to



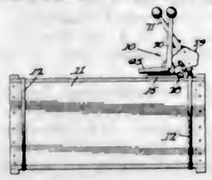
bend said seal about overlapping strap ends, and means including a toggle connection between one of said jaws and said base plate for preventing relative movement of said jaws until a predetermined movement of said head has taken place.

2,097,444

STRAP STRETCHING DEVICE

William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Original application February 10, 1932, Serial No. 592,050. Divided and this application January 30, 1934, Serial No. 708,986. Renewed February 25, 1937.
11 Claims. (Cl. 140—93)



1. The combination in a strap stretching device, of a pair of blocks having relative linear movement, gripping means carried by said blocks for gripping the opposite ends of a strap, and operating means for moving said blocks toward each other to draw said strap taut around a package, said operating means comprising relatively movable parts adapted to yield after a predetermined tension has been set up in said strap.

2,097,445

WHEEL SUSPENSION FOR MOTOR VEHICLES

John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application March 11, 1933, Serial No. 660,416
10 Claims. (Cl. 280—124)



1. In a motor vehicle, the combination with a vehicle frame, of a steerable road wheel, means supporting said road wheel on said frame for substantially horizontal steering movement and for substantially vertical movement in response to irregular road conditions with respect to said frame, said means consisting of a steering knuckle and longitudinally extending leaf spring means connected between said knuckle and said wheel for steering the latter and for resisting vertical movement thereof, and manually operable steering apparatus supported solely by and movable with said frame and operatively connected with said means for effecting steering movement of said wheel.

2,097,446

PHOSPHATE-SULPHUR FERTILIZER AND PROCESS OF MAKING SAME

John T. Claiborne, Jr., New York, N. Y., and Paul D. Peterson, New Brunswick, N. J., assignors, by mesne assignments, to Freeport Sulphur Company, a corporation of Delaware

No Drawing. Application December 21, 1935, Serial No. 55,564
14 Claims. (Cl. 71—33)

2. The method of making a phosphate-sulphur fertilizer comprising mixing molten sulphur with phosphate rock particles and pelletizing the mixture at the temperature of the dark viscous stage of molten sulphur.

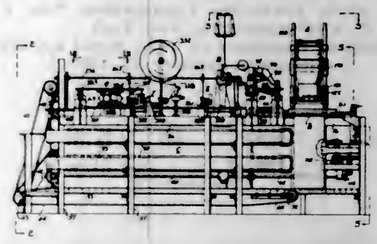
3. The method of making a phosphate-sulphur fertilizer comprising mixing molten sulphur with phosphate rock particles of a size which will pass through a twenty mesh screen and pelletizing the mixture at a temperature between about 220° C. and 260° C.

2,097,447

APPARATUS FOR FILLING, SEWING, AND SEALING BAGS

Robert N. Cundall, Lackawanna, and Lincoln A. Cundall, Buffalo, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application April 14, 1933, Serial No. 666,114
20 Claims. (Cl. 226—53)



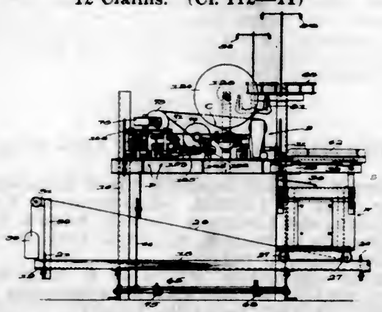
1. In combination, a device for filling open-mouth bags, a continuously moving conveyor arranged to advance the filled bags in upright position from adjacent said filling device through a plurality of stations, devices at said stations for stitching the mouths of the bags and taping the mouths to seal the same and the stitch holes formed by the stitching operation, and means for transferring the filled bags from said filling device to said continuously moving conveyor, said means operating to present the mouths of the filled bags in collapsed form to be stitched and taped and said conveyor and said means being so positioned with respect to each other that the collapsed conditon of the mouth of each bag is simultaneously maintained by both said conveyor and said means during a portion of the operation of said means, said means operating at the speed of the conveyor during the time when the bag is contacted by said conveyor and said means.

2,097,448

APPARATUS FOR CLOSING BAGS

Robert N. Cundall, Lackawanna, and Lincoln A. Cundall, Buffalo, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application July 15, 1933, Serial No. 680,538
12 Claims. (Cl. 112—11)



2. In a filled bag closing machine, means to convey a filled bag through the machine, means to stitch through the open end of the bag, means to apply a strip of adhesive tape over the stitched end, and means to press the tape against the sides of the bag, said conveying means having grippers so mounted and constructed as to continuously engage the end of the bag and maintain the same in a straight line of travel during the presentation of the bag to each of said means and during the operation of each of said means upon the bag.

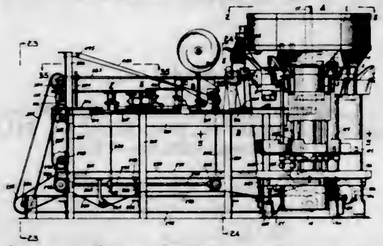
3. In a filled bag closing machine, a carriage to convey a filled bag therethrough, said carriage having bag end gripping jaws thereon mounted to oscillate in the direction of travel.

2,097,449

APPARATUS FOR FILLING, SEWING, AND SEALING BAGS

Robert N. Cundall, Lackawanna, and Lincoln A. Cundall, Buffalo, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application September 9, 1933, Serial No. 688,816
50 Claims. (Cl. 226—53)



1. In a machine for filling and closing open-mouth bags, in combination, a continuously moving device comprising a plurality of grippers to receive and grip the upper corners of a series of upright open-mouth bags, means located above the path of the bags on said device to deliver predetermined quantities of material to said bags, a continuously moving conveyor comprising means to grip the upper ends of said bags and to advance the mouths of said bags in definite alignment, and means located along said conveyor for closing said bags, said grippers presenting said bags to said conveyor at spaced intervals

with their mouths in proper alignment with said closing means.

32. In a machine for filling open-mouth bags, in combination, a filling spout adapted to enter the mouth of the bag, means for gripping the upper and outer corners of the bag on either side of said spout, means for delivering a predetermined quantity of material to said bag while so gripped, and means adapted to lower and spread said gripping means to effect the withdrawal of the spout from the mouth of the bag and to close the mouth of the bag.

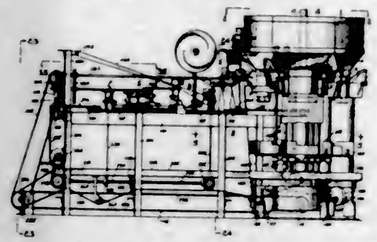
2,097,450

APPARATUS FOR SEWING AND SEALING FILLED BAGS

Robert N. Cundall, deceased, late of Lackawanna, by Luta L. Cundall, administratrix, Lackawanna, and Lincoln A. Cundall, Buffalo, N. Y., assignors to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Original application September 9, 1933, Serial No. 688,816. Divided and this application February 12, 1937, Serial No. 125,416

5 Claims. (Cl. 112—11)



1. In a machine for closing open-mouth filled bags; a conveyor adapted continuously to progress a series of bags, means on said conveyor to hold the mouths of said bags rigidly closed, a sewing machine pivotally mounted above said conveyor and comprising stitching mechanism located in the path of the conveyed bags, means to drive said sewing machine to stitch the mouths of the bags, and a cam connected to said driving means and to said sewing machine to cause rocking of the sewing machine in stitch-length strokes at each stitch formation and in the direction of the conveyor path.

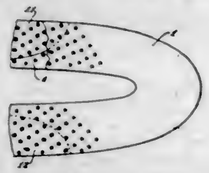
2,097,451

SHOE

Claude H. Daniels, Wellesley Hills, Mass.

Application August 24, 1934, Serial No. 741,197

9 Claims. (Cl. 12—146)



1. In the art of making shoes the process comprising, securing a stiffening element of the counter type to the rear portion of a quarter section in the flat, perforating the assembly, and conforming the assembly to the general contour of the heel end of a last prior to the usual lasting operation.

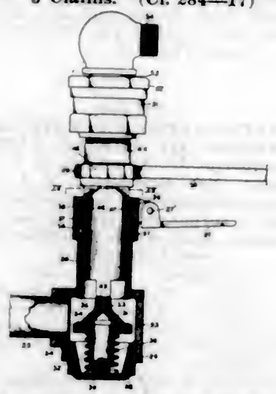
2,097,452

AUTOMATIC VALVE FOR SPRINKLER SYSTEMS

Eugene L. Dearborn, Fairfield, Calif.

Application August 14, 1934, Serial No. 739,793

3 Claims. (Cl. 284—17)



1. A valve operating means including a water outlet having a neck; a hollow plunger adapted to enter said neck; a flexible hose attached to said plunger; a bayonet connection between said plunger and neck; a valve in said outlet arranged to be opened by the entry of said plunger into said neck; a spring urging said valve into closed position and urging said plunger outward from said neck and a handle on said plunger arranged to rotate said plunger to release said bayonet connection; a cord having its ends attached to said handle and said hose respectively.

2,097,453

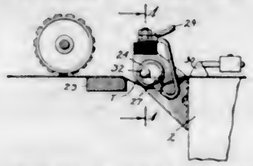
STOCK QUOTATION PROJECTING MACHINE

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Application December 31, 1931, Serial No. 584,147

Renewed January 23, 1937

10 Claims. (Cl. 200—52)



1. The combination with a fluid mercury switch controlled by a tape having two substantially parallel but spaced rows of printed matter consisting of a pivotally mounted glass container disposed transversely of said tape and extending over said printed matter, of fluid mercury in said container, contacts mounted in said container to be electrically connected by the fluid mercury when said container is swung into one position to enable said fluid mercury to extend from one contact to another and to be electrically disconnected when said container is swung into another position to enable said fluid mercury to flow out of engagement with said contacts, and a medially disposed tape engaging ridge formed on said container to engage the tape at the space between the rows of printed matter and to respond to deflections in the tape so as to move the container either into circuit establishing position or circuit interrupting position.

2,097,454

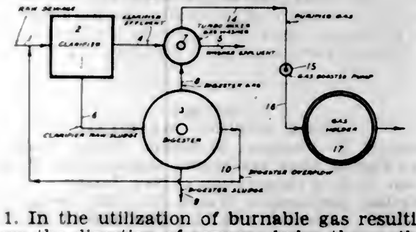
PURIFICATION AND UTILIZATION OF SEWAGE SLUDGE DIGESTER GAS

Anthony J. Fischer, Jackson Heights, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application January 17, 1934, Serial No. 706,923

Renewed January 14, 1937

7 Claims. (Cl. 23—3)



1. In the utilization of burnable gas resulting from the digestion of sewage sludge the method which comprises collecting and thereafter passing the gas in intimate contact with raw sewage so as to substantially remove from the gas the hydrogen sulphide (H_2S) and carbon dioxide (CO_2) content of the gas.

2,097,455

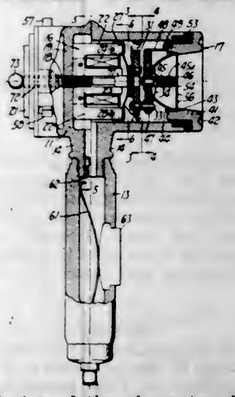
MASSAGE DEVICE

Leonard Fisher, San Francisco, Calif.

Application September 9, 1935, Serial No. 39,772

Renewed January 21, 1937

6 Claims. (Cl. 128—24.2)



3. In a device of the character described, an apertured annular member to be placed against a surface, electromagnetic means for vibrating said member, a reflector secured to said member and substantially closing the aperture in said member, and a heat source within the confines of said reflector and providing a source of infra red rays for direct reflection through said aperture onto said surface during operation of said vibrating means.

2,097,456

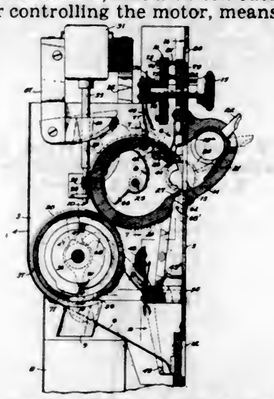
COIN RECEIVER

Clifford H. Green, Grand Rapids, Mich., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application May 10, 1934, Serial No. 724,896

39 Claims. (Cl. 194—9)

1. A coin receiver comprising a slot for receiving a coin, a movable carrier normally in communication with the slot, an electric motor for operating the carrier, and a switch outside of the carrier for controlling the motor, means adjacent



the carrier for closing the switch, and a lever on the carrier operable by a coin inserted through the slot onto the carrier to engage the said means and to close the switch.

2,097,457

NITROGENOUS FERTILIZER AND PROCESS OF MAKING SAME

Ernest F. Grether, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 15, 1935, Serial No. 36,435

9 Claims. (Cl. 71—24)

	Original Charge				Conditions		Product			
1	—	500	Ammonium Carbamate	Equiv. to 1 Part	140°	2	300	10.5	5.0	Toxic	Non-Toxic
2	20	0	Urea and 18% Formaldehyde	5.0 (27.8 cc.)	140°	1	330	25.0	11.5	Toxic	Non-Toxic
3	—	0	Saturated Solution Ammonium Sulphate	As Much as Needed	380°	2	Atm.	15.0	10.5	Toxic	Non-Toxic
4	60	0	Urea	40	225° then 230°	Some time	Atm.	14.14	11.28	Toxic	Non-Toxic
5	50	88	Urea and $Al_2(SO_4)_3$ (conc.)	23	225° then 390°	2 min. 1	Atm.	15.23	11.03	Toxic	Non-Toxic

1. A process of treating a nitrogenous fertilizer, prepared by heating a compound selected from the class consisting of ammonia and its derivatives with a solid porous organic material, said fertilizer containing its nitrogen largely but not completely in water-insoluble form and also containing a plant-toxic material, which comprises washing the fertilizer with sufficient water effectively to remove the plant-toxic material without completely removing the water-soluble nitrogen compounds contained in the fertilizer.

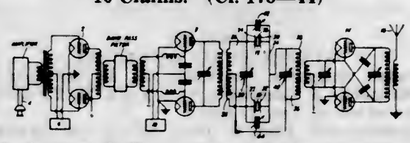
2,097,458

FILTER

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application September 24, 1931, Serial No. 564,770. Divided and this application April 4, 1935, Serial No. 14,559

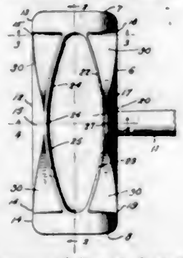
10 Claims. (Cl. 178—44)



1. A crystal filter comprising a plurality of crystals having overlapping resonance curves,

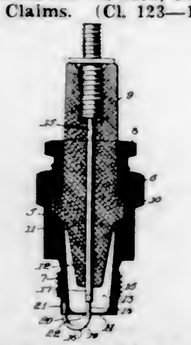
means connecting an electrode of each of the crystals directly together, and means connecting other electrodes of the crystals in phase opposition, and a high-frequency utilization circuit connected between said direct connecting means and between said phase opposition connecting means.

2,097,459
MALLET
Elmer E. Hosler, Delaware Water Gap, Pa.
Application May 18, 1936, Serial No. 80,435
8 Claims. (Cl. 273—83)



8. A mallet comprising a head and a handle, said head having circular parallel striking faces, a pair of diametrically opposite truss members connected to said faces substantially on the plane of the handle, and a second pair of diametrically opposite truss members connected to said striking faces in planes substantially perpendicular to the plane of the handle.

2,097,460
SPARK PLUG
Walter P. Innes, Jr., Wichita, Kans.
Application December 12, 1934, Serial No. 757,206
6 Claims. (Cl. 123—169)



1. A spark plug comprising a shell having a chamber formed therein, a wall portion adjacent the end of said plug providing an end wall for said chamber, said end wall having an opening formed therein adjacent the longitudinal center line of the plug, a central electrode extending into said chamber, and a substantially U-shaped ground electrode extending across the outer side of said end wall to adjacent the central portion of the plug and thence into said chamber to adjacent said central electrode.

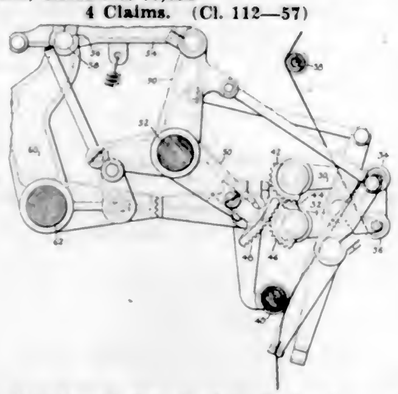
2,097,461
SURGICAL HAND BRUSH
Edward Johnson, Montclair, N. J., assignor to Meinecke & Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1935, Serial No. 25,203
3 Claims. (Cl. 15—160)

1. A surgical hand brush having a depression for retaining soap on the under-side thereof, bristles within said depression, bristles on the sides and ends of the plane surface of the under



side of the brush, the height of the bristles on the depressed portion corresponding to the height of the bristles on the edge portion of the brush so as to form an even surface of bristles.

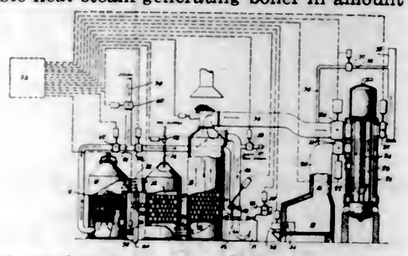
2,097,462
SHOE SEWING MACHINE
Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 12, 1935, Serial No. 10,621. Divided and this application May 12, 1936, Serial No. 79,284
4 Claims. (Cl. 112—57)



1. A lockstitch sewing machine having, in combination, with the other stitch forming devices, a take-up comprising two pivotally mounted arms, a thread take-up guide on each arm, and means for oscillating the arms through substantially equal arcs to move the guides in substantially the same plane towards and from each other.

2,097,463
GAS GENERATING SYSTEM
George H. Magee, Nutley, N. J.
Application May 31, 1930, Serial No. 458,674
1 Claim. (Cl. 48—204)

The method of operating a water gas set which includes a generator containing a bed of fuel therein, a single waste heat steam generating boiler connected with the said water gas set, and an auxiliary furnace having a fluid fuel fired burner therein, said furnace being arranged to supply products of combustion to said single waste heat steam generating boiler, which process comprises blasting the fuel bed with air and passing the resultant blast gases through the said single waste heat boiler to generate steam and alternately passing steam through said fuel bed to make water gas, withdrawing the resultant water gas from the water gas set without passing the same through the said waste heat steam generating boiler and simultaneously with the passage of the steam through the fuel bed, burning fluid fuel in said auxiliary furnace and passing the resultant products of combustion through the said waste heat steam generating boiler, thereby continuously generating steam in the said single waste heat steam generating boiler in amount at

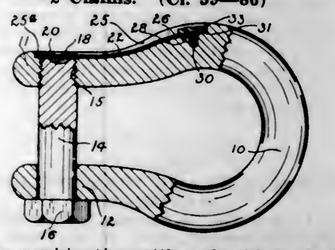


least equal to the amount of steam required by the water gas set.

2,097,464
HAZE FREE CELLULOSE ACETATE AND ITS PREPARATION
Carl J. Malm, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application April 25, 1935, Serial No. 18,215
8 Claims. (Cl. 260—101)

1. An acetyl cellulose having a turbidity in its esterification mixture of not more than 35 parts per million and having the general properties of a product produced by the process in which cellulose is presoaked in a bath essentially consisting of acetic acid and then substantially fully acylated in a bath 3–25% of the acyl content of which is fatty acid groups of 3–4 carbon atoms.

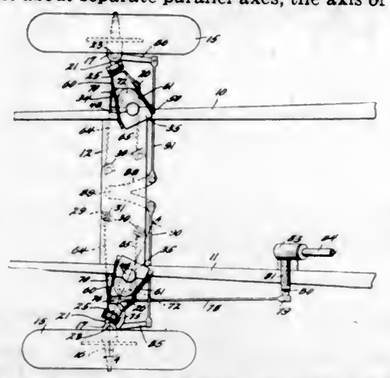
2,097,465
LOCKABLE PIN SHACKLE
William D. Morrison, Seattle, Wash.
Application April 1, 1936, Serial No. 72,216
2 Claims. (Cl. 59—86)



1. The combination with a shackle including a pair of substantially parallel ends each provided with an eye and one of said eyes having interior threads, of a pin for said eyes having an enlarged head at one end and a threaded portion at its other end for co-action with said threaded eye and having notches in the face of said threaded end and a central counterbore in said face, and means exterior of said shackle adapted to engage said notches and bridge said counterbore.

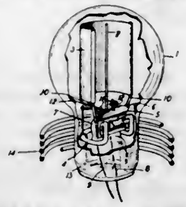
2,097,466
MOTOR VEHICLE
Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 29, 1933, Serial No. 700,289
17 Claims. (Cl. 280—124)

1. In a motor vehicle, the combination with a vehicle frame, of a pair of road wheels disposed adjacent one end of the frame at opposite sides thereof, means supporting each of said wheels on said frame for rising and falling movement with respect to said frame independently of the other wheel, said means consisting of two pairs of laterally extending wheel supporting links, the links of each pair being pivotally mounted at their inner ends on said frame for swinging movement about separate parallel axes, the axis of one



of the links of each pair being disposed above the axis of the other link of the pair, said axes being inclined at an acute angle with respect to the vertical plane containing the longitudinal axis of the vehicle and being inclined with respect to a horizontal plane, members carrying said road wheels and having pivotal connections with the links of each pair, and means for yieldingly resisting upward pivotal movement of the links.

2,097,467
PHOTOELECTRIC TUBE
Charles H. Prescott, Jr., New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1930, Serial No. 474,441
28 Claims. (Cl. 250—27.5)

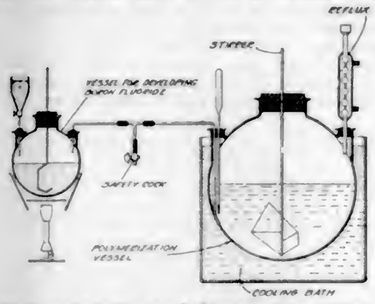


1. A method of preparing a cathode member of a photoelectric tube for the reception of electron emitting material which comprises surrounding the member with oxygen, and causing a series of periodic discharges of a fixed amount of electricity to said member to oxidize its surface.

2,097,468
PRODUCTION OF HYDROCARBONS OF HIGH MOLECULAR WEIGHT
Hans Rabe, Mannheim, and Michael Otto, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 19, 1933, Serial No. 652,566
In Germany January 30, 1932
4 Claims. (Cl. 196—78)

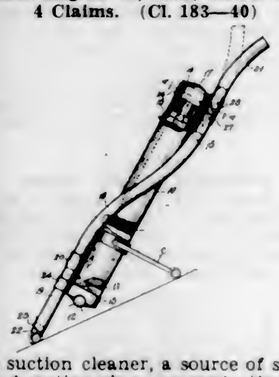
1. A product having a molecular weight of at least 800 and resulting from the polymerization,

in the presence of a volatilizable inorganic halide of the Friedel-Crafts type and at a temperature below 10° below zero C., of a normally liquid



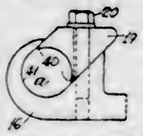
product containing isoolefines and resulting from cracking a from solid to liquid hydrocarbon product of essentially paraffinic nature.

2,097,469
AIR FLOW CONTROL IN AN AIR-METHOD CLEANER
Daniel Benson Replogle, Berkeley, Calif., assignor to Citizens Trust Company, as trustee, Toledo, Ohio, a corporation of Ohio
Application August 10, 1936, Serial No. 95,229
4 Claims. (Cl. 183—40)



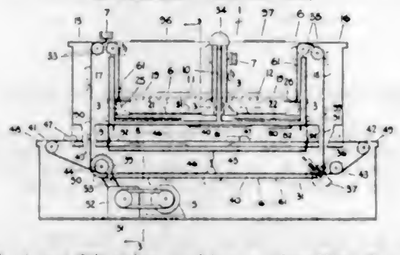
3. In a suction cleaner, a source of suction, an open ended suction pipe communicating intermediate its ends with the source of suction, and adapted to be connected at either end with suction tools, and valve means in said pipe for controlling the flow of air and operated by moving a section of the pipe with reference to the remainder of the pipe.

2,097,470
ELECTRICAL CONNECTER
James C. Richardson, Brooklyn, N. Y., assignor to Royal Switchboard Co., Inc., New York, N. Y., a corporation of New York
Application November 27, 1935, Serial No. 51,746
8 Claims. (Cl. 173—259)



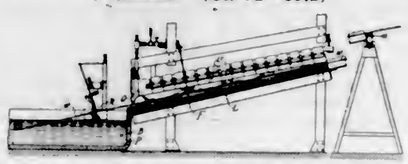
7. A clamp for an electrical conductor comprising a clamping jaw formed substantially in a semicircle with parallel sides tangent to the circle, a wedge having parallel sides sliding in said jaw and having its inner face formed in a semicircle complementary to the jaw, the parallel sides being rounded where they meet the semicircular face to the radius of the jaw to permit the wedge to contract the aperture of the jaw and means for forcing the wedge into the jaw.

2,097,471
MACHINE AND METHOD FOR COOKING A COMPLETE MEAL
Walter R. Scharsch, Portland, Oreg.
Application May 22, 1935, Serial No. 22,766
19 Claims. (Cl. 53—15)



1. A machine for cooking a plurality of components of a meal, requiring heat treatment for different lengths of time, comprising a plurality of conveyors, one for each such component, means to guide and advance the several conveyors through fixed paths of different lengths, each from a given feed point to a given delivery point, the length of each path being so correlated with the speed of each conveyor that different components started substantially simultaneously each from its feed point will arrive substantially simultaneously each at its delivery point, and means disposed along each path, and regulated in accordance with time and distance of exposure of the component traveling along such path, to supply sufficient heat at the temperature and for the time required for each particular component, to complete its cooking and to prepare it for serving by the time it is discharged at its delivery point.

2,097,472
PROCESS OF FLAME TREATING COATED MATERIALS
Julian L. Schueler, Kokomo, Ind., assignor, by mesne assignments, to C. W. La Porte, Peoria, Ill., and J. L. Schueler, Kokomo, Ind., trustees
Application October 4, 1934, Serial No. 746,859
5 Claims. (Cl. 91—59.1)



5. The process of treating metal coated materials having an iron base to produce a coating of superior smoothness and evenness, which comprises regulating the weight of coating upon the base, moving such regulated coated base throughout a flame treating zone of predetermined length and at a speed dependent upon the weight of coating material on said base, and progressively reducing by a differential range of 300 to 700 degrees F. the temperature of flame treatment in the direction of movement of the coated base, the lower limit of said range being above the melting point of said coating material.

2,097,473
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Waldo L. Semon, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 20, 1931, Serial No. 524,217
20 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a compound selected from the class consisting of arylamino substituted ethers in which both hydrocarbon groups attached to the ether oxygen or sulphur are aromatic hydrocarbon groups.

2,097,474
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Original application March 20, 1931, Serial No. 524,217. Divided and this application March 26, 1935, Serial No. 13,086
6 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with an aromatic diamine in which each amino group is substituted only by a single alkoxy-aryl group.

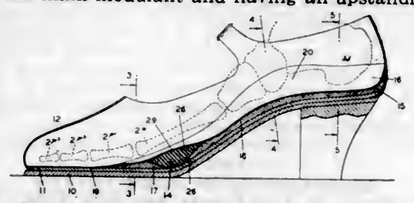
2,097,475
TAPE FOR SLIDE FASTENERS
David Silberman, New York, N. Y., assignor to Ideal Fastener Corporation, New York, N. Y., a corporation of New York
Application July 24, 1936, Serial No. 92,359
8 Claims. (Cl. 24—205)



1. In a slide fastener assembly, a pair of single ply fabric tapes, each tape having a plurality of beads on opposite sides thereof, one at the edge of the tape and the other adjacent the edge of the tape, fastener elements having jaw portions, the bead adjacent the edge of the tape being clamped within the jaw portions and the bead at the edge of the tape serving to overlie the other portions of the fastener elements.

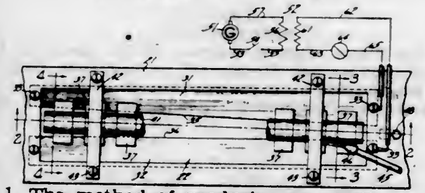
2,097,476
INSERT SOLE FOR SHOES
Benjamin J. Silver, New York, N. Y.
Application February 27, 1935, Serial No. 8,525
13 Claims. (Cl. 36—71)

13. An insert for a shoe comprising a main modulant having a sole engaging bottom portion and an upstanding side flange integral with the bottom portion, a supplemental modulant having a bottom portion overlapping the bottom portion of the main modulant and having an upstanding



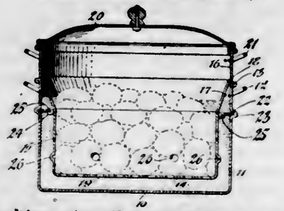
side flange integral with its bottom portion, and a projection from the bottom portion of one modulant intruded into a similarly shaped socket in the bottom portion of the other modulant.

2,097,477
METHOD OF PRODUCING ELECTRICAL DISRUPTIVE DISCHARGES
Godfrey Steerup, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 24, 1931, Serial No. 532,450
4 Claims. (Cl. 250—34)



1. The method of producing penetrating and sterilizing light waves, which includes the steps of atomizing water to form a leakage path, passing electrical energy along said leakage path as conductor thereby producing a discharge, and projecting a flow of air across said discharge to produce a spacial extension of said light waves.

2,097,478
COOKING UTENSIL
Minnie Gertrude Struble, Kenmore, N. Y., assignor to Kettleworth Mfg. Co. Inc., Buffalo, N. Y., a corporation of New York
Application October 5, 1936, Serial No. 103,957
5 Claims. (Cl. 53—2)



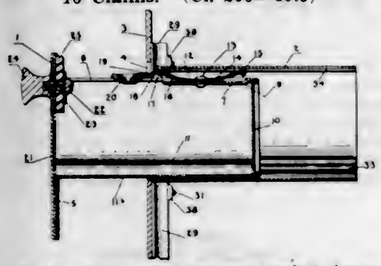
1. A cooking utensil comprising an outer lower imperforate vessel adapted to contain a heating liquid, and an inner upper vessel movable vertically in said outer vessel and having perforations in its lower part, the lower part of said inner vessel being of comparatively small diameter and the upper part thereof being of relatively large diameter and forming an annular shoulder at the lower end of the upper large diameter part which is adapted to engage the upper edge of the wall of said outer vessel for supporting the inner vessel in a position in which

its bottom is spaced from the bottom of said outer vessel and the wall of said outer vessel and the small lower part of said inner vessel being provided with cooperating surfaces for supporting said inner vessel in an elevated position in which the shoulder of said inner vessel is raised out of engagement from the upper edge of the wall of said outer vessel and the bottom of the inner vessel is lifted a greater distance from the bottom of the outer vessel.

2,097,479
REMOVING SKIN FROM FRUITS
Robert B. Taylor, near Knoxville, Tenn.
No Drawing. Application October 14, 1936, Serial No. 105,527
2 Claims. (Cl. 146—219)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Process of preparing fruits for use as a comestible, which comprises, quick freezing the fruit so that only the outer portion of the flesh is solidified, leaving the portion around the pit or core unfrozen; defrosting to the extent that substantially only the skin is thawed out; abrading the skin from the fruit so defrosted; and removing the pit or core.

2,097,480
ASH RECEIVER
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application December 21, 1935, Serial No. 55,568
16 Claims. (Cl. 206—19.5)



11. In a sliding drawer concealed type ash receiver the combination of a supporting panel having a front and rear side, the front side being provided with a finished decorative surface, an opening in said panel, a laterally extending member secured to said panel on its rear side and adjacent said opening, tracks in said member, a sliding drawer type receptacle mounted for sliding movement within said opening and along said tracks, an opening in the upper side of said receptacle for the admission of ashes or the like, said receptacle being provided with a front panel larger than the opening in said supporting panel, the perimeter of said front panel being formed into a rearwardly extending flange, said front panel and said flanged perimeter having a finished decorative surface, means movable with said receptacle whereby the rear edge of said flange on said front panel is prevented from contacting the said finished decorative surface of said supporting panel, a leaf spring attached to said receptacle and provided with means for detachably locking said receptacle in its forward position, a portion of said spring extending forwardly beyond the decorative surface of said supporting panel whereby said spring may be actuated to release said receptacle for further forward movement to enable it to be entirely removed from its mounting for emptying its contents.

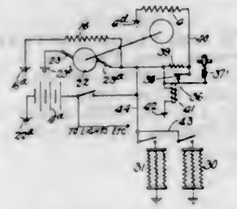
2,097,481
RUBBER
Leo Wallerstein, New York, N. Y.
No Drawing. Application January 9, 1933, Serial No. 650,892. Renewed January 26, 1937
16 Claims. (Cl. 18—50)

1. A process of producing substantially deproteinized rubber from rubber latex comprising providing an alkaline latex, reacting an active enzyme preparation with the latex, coagulating with an acid and then washing, the enzyme preparation being used in such concentrations as to solubilize about 66% the protein in 12 to 24 hours.

2,097,482
PROCESS FOR THE PRODUCTION OF BORON TRICHLORIDE
Harold C. Weber, Milton, Mass., and August Guyer, Zurich, Switzerland
No Drawing. Application October 1, 1935, Serial No. 43,048
8 Claims. (Cl. 23—205)

1. A process for producing boron trichloride which comprises passing chlorine gas through a mixture of an oxygen-containing boron compound and free carbon heated to a temperature within the range of about 400° C. to about 700° C., the proportion by weight of oxygen-containing boron compound to free carbon being within the range of about 0.6 to about 1.5.

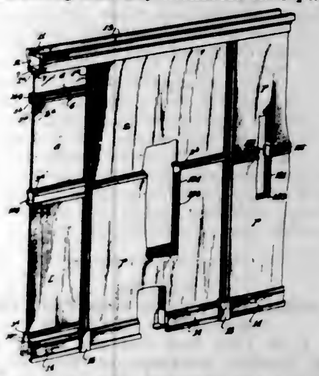
2,097,483
ELECTRICAL HEATING SYSTEM
Jarl M. Weydell, Chicago, Ill.
Application May 17, 1935, Serial No. 21,965
7 Claims. (Cl. 219—20)



1. An electrical heating system for automobiles comprising an electrical generator, a driving device therefor out of mechanical connection with the generator, throughout the entire operation of the device, a variable speed motor for driving the automobile, said generator and driving device fixed in position on the automobile in proximity to said motor, a driving connection from said motor to said driving device, an electric heater mounted on said automobile, an electrical connecting device for connecting said electrical heater in circuit with said generator, and means for causing the speed of the generator to fall behind the speed of the driving device as the speed of the driving device increases, whereby a substantially constant potential is maintained for the current passing to said heater.

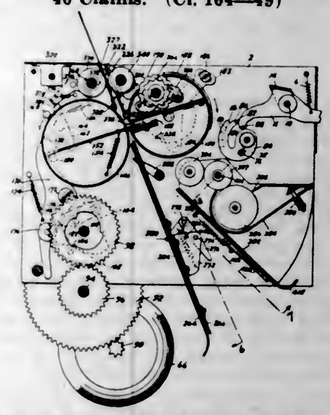
2,097,484
STRUCTURAL ASSEMBLY
Edward Nicholas Winslow, Shaker Heights, Ohio, assignor to The Mills Company, a corporation of Ohio
Application May 27, 1932, Serial No. 613,801
46 Claims. (Cl. 189—34)

1. A structural post including in combination, a plurality of independent key members, channels connecting said key members into pairs, and



clip devices connecting said pairs together to form a post.

2,097,485
TICKET ISSUING MACHINE
Reuben H. Heisel, Long Island City, N. Y., assignor to General Register Corporation, Brooklyn, N. Y., a corporation of Pennsylvania
Application April 10, 1933, Serial No. 665,386
46 Claims. (Cl. 164—49)

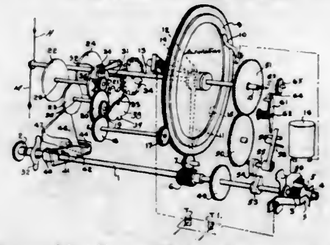


1. A ticket issuing machine comprising means for delivering at least one ticket in a cycle of operation; a member controlling the cycle of operation urged in one direction by a spring; a detent holding said member in opposition to the spring; an element operable to disengage the detent from the member to release it for movement by the spring; means arranged to engage the ticket; devices for moving said means to prevent its engagement with an advancing ticket; and connections whereby the element is moved to cause the detent to assume its operative position when said last named means is moved to prevent its engagement with an advancing ticket.

2,097,486
FIRE EXTINGUISHING COMPOSITION
John A. Henricks, Jr., Chicago, Ill., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 732,995
6 Claims. (Cl. 23—11)

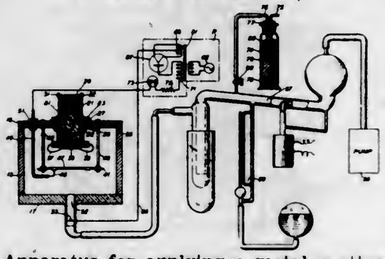
3. A component of a foaming fire extinguishing composition comprising a grain steep water and a gas producing material, the said component being adapted to produce a foaming fire extinguishing composition when admixed with a second component which will react with said components to generate a gas.

2,097,487
ALARM CLOCK
James Edward Kinnear, London, England
Application February 6, 1936, Serial No. 62,646
In Great Britain February 13, 1935
7 Claims. (Cl. 58—38)



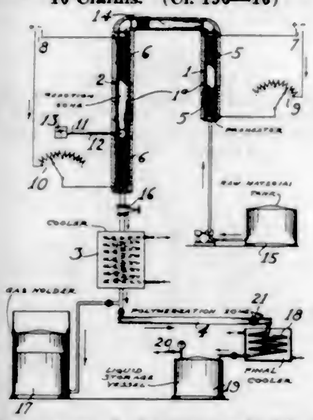
1. In combination with an alarm clock mechanism, an apertured clock front, means for closing the apertures in said clock front, an alarm time indicating means, marked with figures to represent hours and minutes, rotatably mounted at the rear of the clock front, an alarm time setting means, a single control member axially movable and rotatable and adapted to be manually operated from the front of the clock for operating said closing means, a member on said control member for rotating the alarm time setting means, and gearing for rotating the alarm time indicating means simultaneously with the rotation of the alarm time setting means by said control member.

2,097,488
PIEZOELECTRIC DEVICE
Thomas G. Kinsley, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1936, Serial No. 61,674
2 Claims. (Cl. 91—12.2)



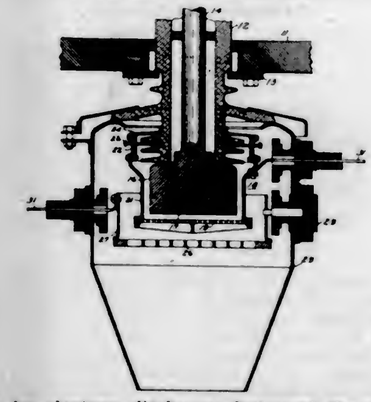
1. Apparatus for applying a metal coating to Rochelle salt crystals by the vacuous dispersion of electrodes comprising a chamber, a removable cover for said chamber, means for evacuating said chamber, an anode and a cathode, a source of suitable electrical potential connecting said anode and said cathode, a second chamber mounted on said removable cover, a portion of said second chamber being within said first chamber and another portion of said second chamber being outside said first chamber when said cover is in closing position, and means for removably supporting a Rochelle salt crystal on the first-mentioned portion of said second chamber.

2,097,489
PROCESS OF GASIFYING OILS AND COALS
Stephen A. Kiss, Brooklyn, N. Y.
Application February 1, 1934, Serial No. 709,360
10 Claims. (Cl. 196—10)



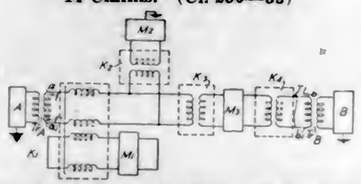
1. The process of obtaining valuable products from a raw material of oil, tar or coal, said raw material containing cyclic hydrocarbons, which comprises quickly heating the raw material to a temperature above about 800° C. under a pressure of several atmospheres, maintaining said raw material at said temperature and pressure until it is substantially completely transformed into products which are gaseous at normal temperature and pressure, and cooling the gaseous products.

2,097,490
ELECTRON DISCHARGE DEVICE
Ernst Kobel, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application December 21, 1933, Serial No. 703,349
In Germany December 24, 1932
8 Claims. (Cl. 250—27.5)



1. An electron discharge device of the vapor arcing type having an electron emitting cathode in contact with a body of ionizable vapor, an anode positioned to receive electrons from said cathode ionizing said vapor and constituting with said cathode spaced electrodes for the flow of current by way of arcs through said vapor, and means for controlling said flow of current by interruption of said arcs while the said anode is subjected to potential of sign and magnitude sufficient to maintain said arcs comprising a control electrode spaced from said anode by approximately the mean free path of said electrons and having apertures therethrough of a total cross-section area of approximately forty percent of the arcing surface of said anode, and having a total area in contact with the space contained between the control electrode and said anode, plus the total area of the surfaces forming said apertures, of not less than two and a half times the total cross-section area of said apertures.

2,097,491
TRANSMISSION LINE FOR ELECTRICAL SIGNALING SYSTEMS
Julien J. B. Lair and Georges E. M. Perroux, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1932, Serial No. 591,429
In Great Britain April 1, 1931
14 Claims. (Cl. 250—33)

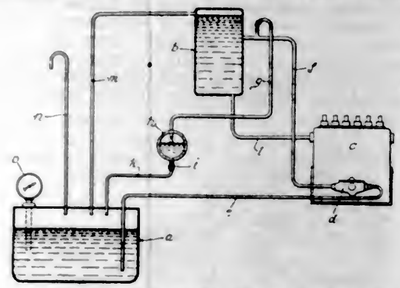


1. In combination, a main transmission line conveying in-phase currents of one frequency and oppositely-phased currents of another frequency, a plurality of auxiliary lines each equal in length to a half wave-length or a multiple thereof of said in-phase currents and having one end short-circuited and grounded, said auxiliary lines being bridged across the main line at points spaced a quarter wave-length or an odd multiple thereof of said in-phase currents, each auxiliary line being short-circuited at a point located a quarter wave-length or an odd multiple thereof of said oppositely-phased currents from said main line, a plurality of conductors each equal in length to an odd multiple of a quarter wave-length of the in-phase currents, one of the conductors being connected to the grounded end of one auxiliary line and another of said conductors being connected to the grounded end of another auxiliary line, and a utilization circuit connected to the line at one pair of the first mentioned points.

2,097,492
FUEL FEED MEANS
Franz Lang, Munich, Germany, assignor, by mesne assignments, to Lanova Corporation, New York, N. Y., a corporation of Delaware
Application September 6, 1935, Serial No. 39,427
In Germany September 8, 1934
4 Claims. (Cl. 158—36.4)

3. In combination in fuel feed means, a main fuel tank, an injection pump, an auxiliary fuel tank above said main tank and said pump and connected to the latter, a feed pump having its intake connected to said main tank for withdrawing fuel therefrom, a supply pipe connected to the discharge of said feed pump and to said auxiliary tank for delivering fuel to the latter above the connection between said auxiliary tank and said injection pump, a first fuel return pipe connected to said supply pipe extending upward

to a point above said supply pipe and thence to said main tank, visual fuel flow indicating means in said return pipe, and a second fuel return pipe connected to said auxiliary tank above the con-

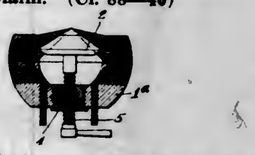


nection between the latter tank and said supply pipe and above the highest point of said first fuel return pipe, said second fuel return pipe being connected to said main tank for return thereto of surplus fuel.

2,097,493
PREPARATION OF POLYHYDROXY COMPOUNDS FROM FURAN COMPOUNDS
Gerald J. Leuck, Evanston, Joseph Pokorny, Chicago, and Fredus N. Peters, Jr., Evanston, Ill., assignors to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application February 12, 1934, Serial No. 710,888
22 Claims. (Cl. 260—156.5)

1. A process of treating furan derivatives to produce 1,4-polyhydroxy-compounds by a reaction comprising breaking the furan ring in the presence of a hydrolyzing agent and maintaining the reacting material under elevated temperature and superatmospheric pressure conditions such as are favorable to hydrogenation, and then separating said compounds.

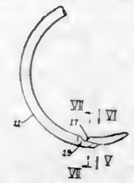
2,097,494
ILLUMINATING DEVICE FOR MICROSCOPES
Erwin Lihotzky, Wetzlar, Germany, assignor to Ernst Leitz, G. m. b. H., Wetzlar, Germany
Application November 27, 1935, Serial No. 51,755
In Germany November 29, 1934
1 Claim. (Cl. 88—40)



Illuminating device for microscopes comprising a shutter, a glass body condenser having a central bore, a threaded guide in said bore, a threaded axle passed through the threaded bore in said guide and connected to said shutter, and an operating member on the other end of said axle to move the shutter axially and relatively to the condenser.

2,097,495
SEWING MACHINE NEEDLE
Rowland Augustus Lineham and George Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 2, 1936, Serial No. 83,056
In Great Britain July 6, 1935
3 Claims. (Cl. 112—222)

1. A curved hooked needle for use in chain-stitch shoe sewing machines comprising a stem curved in the arc of a circle and provided with



a barb located on the side of the needle away from which the work is to be fed and directed towards the axis of curvature of the needle stem.

2,097,496
RESERVOIR MARKING INSTRUMENT
Siegfried Lunzer, London, England
Application May 25, 1936, Serial No. 81,744
In Great Britain May 28, 1935
1 Claim. (Cl. 120—43)

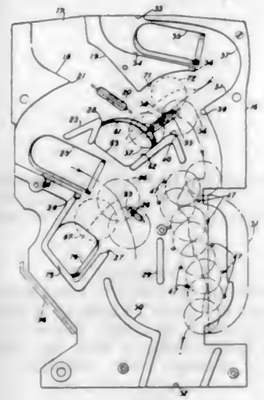


A marking instrument comprising a barrel carrying sac-actuating mechanism and whereto is fitted a section having a through passage; a tubular member forming an outward extension of said section; a collapsible ink sac disposed within said barrel and attached to said section and with which said section-passage and tubular extension communicate; a nozzle encompassing the tubular extension and removably fitted to the section; and an absorbent marking tip fixedly secured to said nozzle and to the inner end of which tip the adjacent end of said tubular extension makes contact: the arrangement and disposition of the parts being such that when said sac is compressed by means of the actuating mechanism, a charge of ink is ejected to saturate said absorbent tip.

2,097,497
COIN CHUTE FOR COIN COLLECTORS
Percy E. Mills, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 16, 1936, Serial No. 85,448
6 Claims. (Cl. 194—97)

1. A coin chute comprising a longitudinally inclined coin channel having top, bottom and side walls, said bottom wall having an aperture for discharging genuine coins and a rotatable toothed wheel mounted on one of said side walls and projecting transversely into said channel for causing legitimate coins to be diverted into said aperture while permitting a perforated slug

to pass said aperture, the center of said wheel from the standpoint of the direction of coin travel



being located substantially above the far end of said aperture.

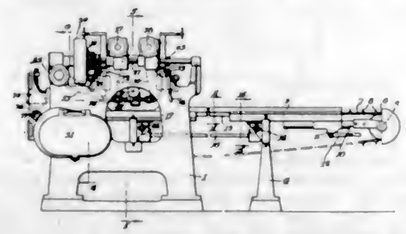
2,097,498
COIN CHUTE FOR COIN COLLECTORS
Percy E. Mills, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application June 16, 1936, Serial No. 85,448. Divided and this application October 10, 1936, Serial No. 104,972
4 Claims. (Cl. 194—103)



1. In a coin operated device, a longitudinally inclined coin chute having opposed side walls and a bottom wall down which a deposited coin rolls on its edge, said bottom wall having an aperture sufficient to receive a coin of standard dimensions and a pivoted member having an arm extending completely across said chute above said aperture whereby coins of less than predetermined weight will be deflected into said aperture, the coin contacting portion of said arm normally lying in a plane substantially at right angles to one of said side walls.

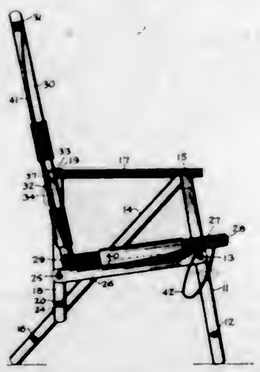
2,097,499
STAPLING MACHINE
Walter F. Newhouse, Benton Harbor, Mich.
Application August 22, 1932, Serial No. 629,795
Renewed February 11, 1937
47 Claims. (Cl. 1—8.1)

1. In a stapling machine, the combination of instrumentalities for feeding the work longitudinally of the machine, in a horizontally disposed plane, to receive successive groups of staples in rows from the front end of each unit of work to the rear end thereof, a gang of staplers disposed over said plane, to insert successive staples in longitudinal rows in the work to fasten the materials thereof together, and another gang of staplers disposed in front of said first-mentioned gang, to insert other longitudinal rows of staples, whereby each stapler inserts a row of successively driven staples in each unit of work, with all of the staples driven by one gang in transverse rows spaced from but parallel with the transverse rows of all of the staples driven by the other gang,



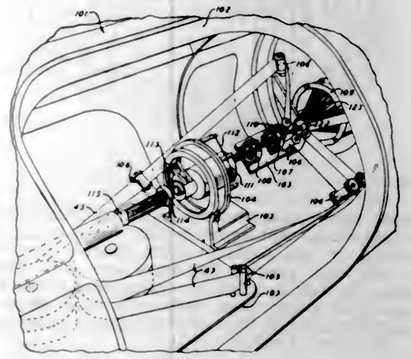
the members of each gang being adjustable transversely of the machine, and the two gangs being adjustable toward and away from each other, whereby to change or vary the relative positions of the staples on the work, so that said instrumentalities are operative to present the work for successive operations of both gangs in unison upon the same unit of work, with each said operation in rear of the previous operation on the work, or for operation of one gang on one unit while the other gang is operating on another unit.

2,097,500
CHAIR
Carl H. Oermann, York, Pa.
Application February 19, 1936, Serial No. 64,647
2 Claims. (Cl. 155—116)



1. A chair of the type described comprising pivotally connected front and rear legs, arm rests also connected to said leg pivots, brace members pivotally connected to said arm rests and detachably connected to the rear legs near the lower ends thereof, substantially horizontally disposed seat supporting bars connected to said front legs and to said brace members, pivotally connected back and seat frames of which the latter rests wholly on said seat supporting bars, said seat frame being adapted to slide forwardly and backwardly on its supporting bars without any part separating therefrom, links pivotally connected to the arm rests, pins projecting from the back frame, slots formed in said links, and notches formed in said slots for receiving said pins for retaining the back frame in a plurality of positions.

2,097,501
ELECTRICAL CABLE AND A METHOD OF MAKING THE SAME
Lester O. Reichelt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1933, Serial No. 680,037
6 Claims. (Cl. 173—264)

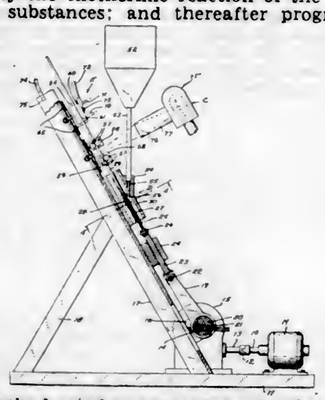


1. The method of forming an electric cable, which comprises applying a strip of dried crinkled paper longitudinally of a dried group of insulated conductors, forming the paper transversely of and over the conductors, simultaneously twisting the paper and the conductors, binding the paper covered insulated conductors, and applying a protective covering over the strand bound paper covered conductors, each of these steps being carried on while excluding moisture.

4. The method of making an electric cable which comprises the steps of storing a group of insulated conductors in a drying chamber to remove moisture thereupon, storing a supply of crinkled paper tape in a drying chamber to remove moisture thereupon, combining the group of insulated conductors with the tape as a cover while withdrawing both from the chamber and while excluding access of moisture, and extruding a seamless sheath of metal over the paper while continuing the exclusion of access of moisture.

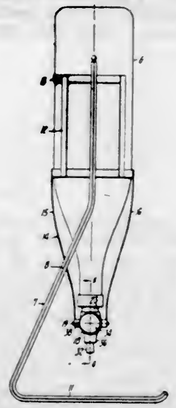
2,097,502
METHOD OF AND APPARATUS FOR PRODUCING RODS AND THE LIKE OF COMMINUTED MATERIAL
George T. Southgate, Forest Hills, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 18, 1933, Serial No. 661,493
22 Claims. (Cl. 75—22)

1. The method of producing rods of comminuted material including substances which combine with an exothermic reaction, which comprises compressing the material into the form of a rod; progressively heating successive portions of the rod to a fusing temperature after it is formed; at least a portion of such heat being supplied by the exothermic reaction of the comminuted substances; and thereafter progressively



cooling the heated portions of the rod below their fusing temperature.

2,097,503
LIQUID DISPENSER
Herman T. Weeg, San Francisco, Calif., assignor to Western Research & Development Co., a syndicate composed of Herman T. Weeg, Alfred Whittell, Ronald Tilton, and John Dinwiddie, San Francisco, Calif.
Application December 12, 1936, Serial No. 115,567
1 Claim. (Cl. 221—117)

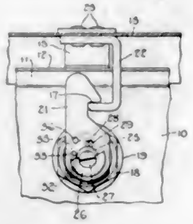


A liquid dispenser comprising a housing, means on said housing for engaging a container of liquid to be dispensed, a plug cock having a hollow interior rotatably mounted within said housing, a hollow plug movable into and out of said plug cock for varying the interior volume thereof, a pair of means of different length for establishing communication between the interior of said plug cock and said container in one position of said plug cock, and means effective in another position of said plug cock for admitting air to the interior of said plug cock and releasing liquid therefrom.

2,097,504
LOCK LATCH
Milton H. Wells, Scarsdale, N. Y.
Application May 29, 1936, Serial No. 82,409
2 Claims. (Cl. 70—367)

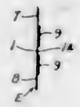
1. An improved cylinder lock comprising a casing, a plug rotatively mounted therein, means for

limiting the rotative movement of the plug with respect to the casing, a latch member rotatively mounted on the plug, a stop member on the plug, a recess in the latch member housing the stop member and cooperating therewith to limit the rotative movement of the latch member with re-



spect to the plug in either direction, a coil spring housed within the casing, a projection on the latch member engaging with one end of said coil spring whereby said coil spring is compressed upon rotative movement of the latch member in one direction and whereby said spring acts to rotate the latch member in the opposite direction.

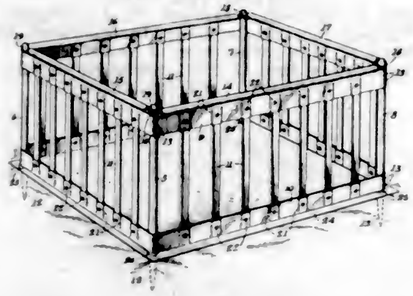
2,097,505
ENVELOPE CONSTRUCTION
Leonard D. Arp, Sherburne, and Walter H. Fischer, Pipestone, Minn.
Application September 17, 1936, Serial No. 101,262
4 Claims. (Cl. 229—85)



1. A sheet of material folded to form a mailing envelope including a front wall and a rear wall and having edges constituted by folds in said sheet, a portion of one of said walls adjoining and partially defined by an edge of said envelope being removed to expose the inner side of a corresponding portion of the second of said walls, and a portion of the second of said walls adjoining and partially defined by said edge and situated out of registration with said first mentioned portion being removed to expose a corresponding portion of the inner side of said first wall.

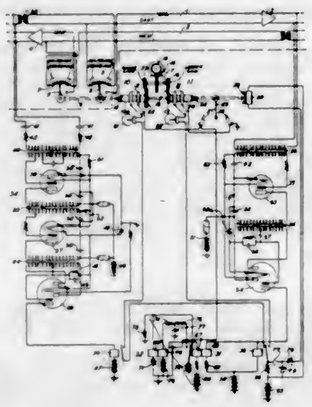
2,097,506
PLAY PEN
Frank Auty, Little Neck, N. Y.
Application February 11, 1936, Serial No. 63,333
1 Claim. (Cl. 256—25)

A play pen comprising corner posts adapted to be driven into the ground, a lower flexible strip secured to the lower portions of said posts and limiting the separation of the same when the posts are driven into the ground, an upper flexible strip secured to the upper portions of said posts and similarly limiting the spreading movement of the upper ends of the posts, vertical slats secured in spaced relation to said upper and lower flexible strips to form with said strips open side walls about the pen, rigid top bars separate from the upper flexible connecting strip and of a length to fit between the corner posts in the spaced relation of the same, loops at the opposite ends of said top bars to pass down over the upper ends of the corner posts and detent means for holding said loops thus engaged over the corner posts but readily releasable to permit the removal of the top bars and the bundling together of the



corner posts connected by said upper and lower flexible strips, said upper flexible strips being positioned on the posts to form flexible supports for said post spacing top bars and said detent means including members projecting from the corner posts and engageable over said loops to retain the spacing bars thus yieldingly supported on the upper flexible strips.

2,097,507
CONTROL CIRCUIT
Harold L. Barney, St. Louis, Mo., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 28, 1936, Serial No. 66,229
16 Claims. (Cl. 178—44)



1. In gain adjusting circuits for a transmission line, an amplifier on said line, a potentiometer having a movable contact arm for controlling the gain of said amplifier, and means controlled according to the volume of the signals on the line for operating said contact arm at one fixed rate to raise the volume and for operating said contact arm at another fixed rate to lower the volume.

2,097,508
ANODE
Howard H. Blouch, Cleveland, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 7, 1934, Serial No. 719,453
5 Claims. (Cl. 204—4)



1. An anode of the type described comprising a spine with anode material cast thereupon, the spine being provided with struck-out hooks.

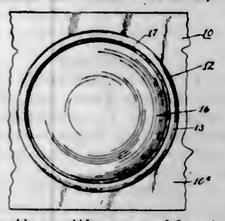
2,097,509
FIREPROOFING
Ernest R. Boller, Euclid, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1935, Serial No. 4,523
5 Claims. (Cl. 21—20)

1. In a process of fireproofing vegetable materials, the step comprising subjecting the material to the action of a solution of an ammonium salt and urea.

2,097,510
PRIMING MIXTURE
Willi Brün, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Application August 3, 1935, Serial No. 34,637
4 Claims. (Cl. 52—4)

1. An ammunition priming composition containing a silver salt of styphnic acid.

2,097,511
RETAINING MEANS FOR BEZELS AND ESCUTCHEON PLATES
Charles E. Caestecker, Chicago, Ill., assignor to Accurate Spring Mfg. Company, Chicago, Ill., a corporation of Illinois
Application August 25, 1936, Serial No. 97,794
3 Claims. (Cl. 189—78)



1. In combination with a panel having an opening, a bezel for said opening including a flange for engaging the front face of the panel surrounding the opening and a substantially cylindrical body portion extending through the opening beyond the rear face of the panel, said body portion beyond the rear face of the panel being formed with a continuous shoulder, and a single coil of spring wire surrounding said body portion, said wire being formed with a plurality of circumferentially spaced-apart inset portions of substantial arcuate extent adapted to resiliently engage said body portion and seat against said shoulder, and the portions of said wire intermediate said inset portions being disposed in axially offset relation thereto and adapted to engage the rear face of the panel, whereby said flange is maintained firmly seated against the front face of the panel.

2,097,512
INHIBITOR
Fred C. Carlson, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 28, 1936, Serial No. 113,264
6 Claims. (Cl. 148—8)

6. An inhibitor comprising the product produced by mixing a cinchona bark alkaloid, sulfur and sulfuric acid and heating the mixture to cause chemical interaction.

2,097,513
DECORATIVE ARTICLE
Irene M. Casey, Oakland, Calif.
Application December 31, 1936, Serial No. 118,599
7 Claims. (Cl. 41—10)

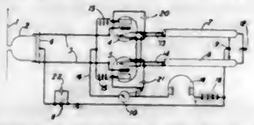


6. A decorative tree shaped article comprising, a base support, an upright member secured thereto, a plurality of substantially square sheets of various sizes and each folded by gathering the sheet at substantially the center portion thereof with the outer portions of the sheet disposed in rolled substantially uncreased form and with the corners of the sheet spaced from each other, said gathered center portions being bent at substantially right angles to the remainder of the folded sheet portion and mounted in substantially parallel relation against said member with said folded sheets disposed in circumferentially spaced relation around said member and in substantially abutting relation longitudinally of said member, and means wound as a continuous spiral length around said sheet portions and said member to secure said sheets to said member.

2,097,514
ELECTRON DISCHARGE SYSTEM FOR ULTRASHORT WAVES
Joseph G. Chaffee, Hackensack, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 10, 1935, Serial No. 44,321
8 Claims. (Cl. 250—20)

1. An ultra-short wave circuit comprising an electron discharge device having an anode, a

cathode, and an impedance control element, means for polarizing said anode and said impedance control element, means for heating said cathode, a closed tuned loop, two leads connecting the loop to the impedance control element and cathode, at least one of said leads including a series reactance equivalent to a fractional wave-length line whereby the impedance presented at the driving terminals of said leads is effectively increased over that which would be presented by the path between the input electrodes, a tunable circuit connected to said cath-



ode heating means, means for tuning said tunable circuit to cause the circuit, together with the cathode heating means, to simulate a short-circuited half-wave length path whereby the potential drop which the heating means tends to produce in the lead from the cathode to the closed tuned loop is eliminated thus permitting the full driving electromotive-force impressed through the series reactance of the leads to be effective between the cathode and the impedance control element, and an output path connected to the output electrodes.

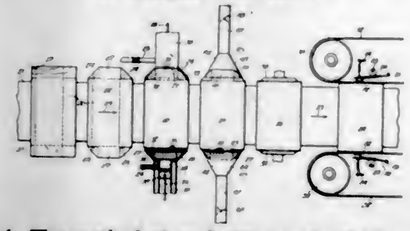
2,097,515

METHOD OF AND MACHINE FOR PACKAGING GOODS

Ersyl F. Chambless, Chicago, Ill., assignor, by mesne assignments, to The Cracker Jack Co., Chicago, Ill., a corporation of Illinois

Application December 12, 1935, Serial No. 54,020

13 Claims. (Cl. 93—2)



1. The method of packaging goods which consists in wrapping the goods in a flexible waxed wrapper, spraying a film of additional wax on a portion of said wrapper, blowing a heating fluid on the portion of the wrapper upon which said additional wax is sprayed, and subsequently sealing said portion of the wrapper.

2,097,516

PROCESS FOR PRESERVING OILS AND FATS

Mayne R. Coe, Washington, D. C., dedicated to the free use of the Public in the United States of America

No Drawing. Application January 30, 1935, Serial No. 4,097

5 Claims. (Cl. 87—12)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of preventing rancidity in commodities containing oils and fats which comprises incorporating substantially pure catalase in such oil-bearing commodities.

3. The process of preventing rancidity in commodities containing oils or fats which comprises incorporating ripened cheese in such oil-bearing commodities.

2,097,517

SOLUBLE HYPOCHLORITE COMPOSITION

Charles B. Durgin, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application November 23, 1932, Serial No. 644,079

28 Claims. (Cl. 87—5)

7. A hypochlorite composition comprising a calcium hypochlorite compound and sodium metaphosphate, the metaphosphate being present in such proportion as to render the hypochlorite soluble in alkaline solutions.

12. A hypochlorite composition comprising a calcium hypochlorite compound, a soluble sodium metaphosphate and soap, said metaphosphate being present in such proportion as to render said composition soluble in aqueous solutions having a pH greater than 7.0.

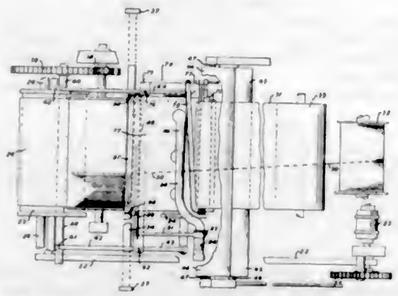
2,097,518

APPARATUS FOR WINDING MATERIAL

Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application February 9, 1935, Serial No. 5,743. Divided and this application December 11, 1935, Serial No. 53,958

3 Claims. (Cl. 242—157)



1. In an apparatus for winding strand material on articles and having means to support an article to be wound, means to distribute strand material thereon in successive spirally wound layers, in combination with means to reverse the spiral at the end of each layer, the said reversing means comprising a freely reciprocable rod of rigidly resilient material having a perforation therein through which the strand being wound passes and thereby reciprocates the same in a direction transverse to the strand, said rod being operated at such a speed as to result in a rebound at the end of its traverse in either direction and a stop member positioned to be abutted against by the rod when the spiral is to be reversed.

2,097,519

SIGNAL TRANSMISSION SYSTEM

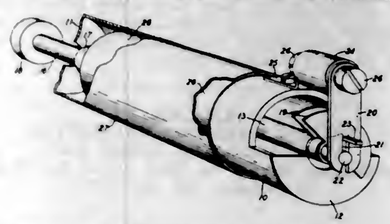
John C. Gabriel, New York, and George Rodwin, Randall Manor, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 5, 1935, Serial No. 39,280

8 Claims. (Cl. 178—44)

1. A tuning device comprising a pair of conductors disposed one within the other, the inner of said members constituting an inductance element, a metallic member slidably mounted on the inner of said conductors, said metallic mem-

ber contacting with and electrically connecting said conductors, and plate members carried by



and electrically connected to said conductors and forming a condenser.

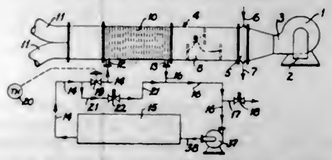
2,097,520

APPARATUS FOR CONDITIONING AIR

Jesse A. Guyer, Mount Vernon, Ill., assignor to J. P. Devine Manufacturing Co., Inc., Mount Vernon, Ill., a corporation of Illinois

Application January 16, 1936, Serial No. 59,336

7 Claims. (Cl. 62—91.5)



1. In an air conditioning system, a cooling unit, and a chamber, said chamber containing a substance in its solid phase which passes, upon the absorption of heat, directly to its gaseous phase, conduit means connecting the outlet of said chamber to the inlet of said cooling unit, conduit means connecting the outlet of said unit to the inlet of said chamber, whereby said substance in its gaseous phase, circulates from said chamber to said cooling unit and back to said chamber, and a by-pass conduit around said cooling unit, said by-pass conduit having a pressure regulating valve therein, whereby gas is by-passed through said by-pass conduit when the pressure of gas in said conduit leading from said chamber to said cooling unit increases above a predetermined amount.

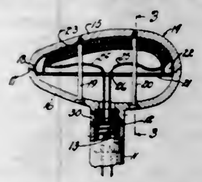
2,097,521

HEATING DEVICE

Anna M. Haas, Chicago, Ill.

Application March 22, 1934, Serial No. 716,791

1 Claim. (Cl. 219—21)



In combination with a base plate, a post integral therewith and upstanding therefrom, a socket at the upper end of said post, a heating body of elliptical form constructed with a ball shaped extension at the end, and a plug secured to the underside of said heating body for removable attachment to said post, said heating body having the heating element adjacent to its upper wall and screened from the lower wall.

2,097,522

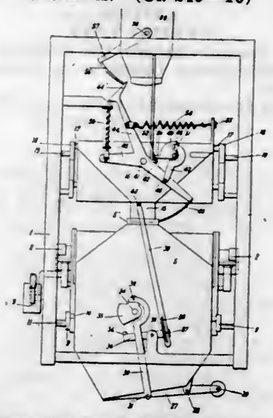
MEANS FOR SIMULTANEOUSLY DETERMINING THE VOLUME, THE WEIGHT, AND THE DENSITY OF GRANULAR AND OTHER MATERIALS

Alfred Hanique, Paris, France

Application December 20, 1935, Serial No. 55,442

In France January 3, 1935

5 Claims. (Cl. 249—16)



1. An apparatus for determining simultaneously the volume, weight and density of granular materials comprising a supply hopper for the material, a movable compensating hopper mounted below the supply hopper, a measuring skip mounted below said compensating hopper, said compensating hopper receiving material from the supply hopper, means for mounting said compensating hopper, counterbalance means for said compensating hopper and for the measuring skip, said means permitting the measuring skip, after it has been completely filled, to move independently from the compensating hopper and means for weighing the contents of the skip.

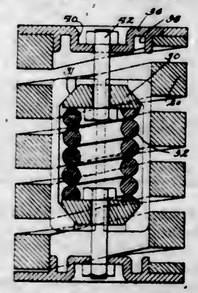
2,097,523

SNUBBER

William C. Hedgcock, Wilmette, and David M. Light, Evanston, Ill., assignors, by mesne assignments, to Cardwell-Westinghouse Company, a corporation of Delaware

Application November 10, 1933, Serial No. 697,380

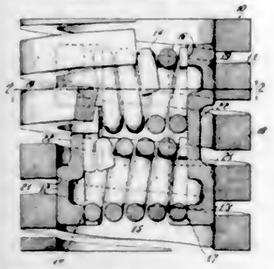
11 Claims. (Cl. 267—9)



1. In a cushioning device, the combination of a spring having a central opening, friction shoes disposed in said opening and having sliding cooperation with said spring, said shoes having end wedging portions, wedging members having friction surfaces contacting said wedging portions,

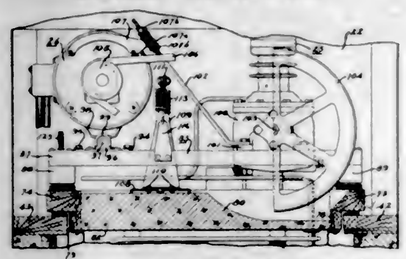
resilient means interposed between said wedging members urging said members toward said wedging portions, abutment means engaging the ends of said spring, and means connected to said abutments and said wedging members for maintaining said shoes, wedging members and resilient means in position with respect to said spring.

2,097,524
SPRING UNIT
Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware
Application December 29, 1933, Serial No. 704,427
9 Claims. (Cl. 267—9)



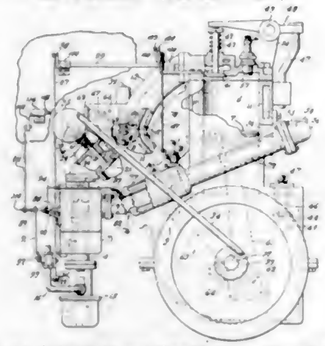
1. In a spring shock absorbing unit, a load supporting spiral spring, each turn having interior friction surfaces, friction shoes engaging said surfaces, the intermediate portions of said shoes being spaced from the interior surface of said spring and resilient means extending between said shoes and exerting a constant outward pressure thereon, said shoes engaging the intermediate portions only of said spiral spring at a plurality of points spaced apart.

2,097,525
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Original application April 13, 1927, Serial No. 183,480. Divided and this application January 18, 1932, Serial No. 587,301
3 Claims. (Cl. 74—242.15)



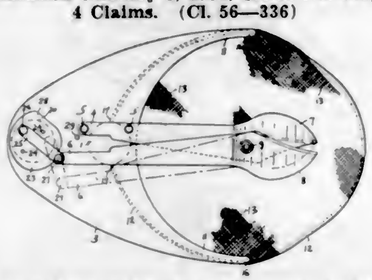
2. In combination, a horizontal base, a driving device and a driven device mounted upon and above the base, one of said devices being provided with rockable mounting between it and the base, pulley and belt driving means connecting the driving and the driven devices, said one device being rockable upon the rockable mounting about an axis parallel to the axis of rotation of one of the pulleys of the pulley and belt driving means and a brace connected at one end to the base and extending to a portion above the rockable mounting of said rockably mounted device for holding said device in a position to maintain the belt driving means taut, said brace being a substantially straight member, and a resilient adjustable connection connecting said brace and said rockably mounted device.

2,097,526
CHARGE FORMING MECHANISM
Pietro Maniscalco, Toledo, Ohio
Application August 28, 1936, Serial No. 98,295
15 Claims. (Cl. 123—127)



1. In an internal combustion engine having a combustion cylinder and an intake manifold operatively connected therewith and provided with means for conducting fuel mixture thereto, a control valve in said means, a gasoline supply pipe connected with said means, a fuel oil supply pipe connected with said manifold and having oil vaporizing means interposed therein adjacent said manifold, a control valve in said pipe, a lever on each valve, operating means connected with said levers, whereby said valves can be opened and closed together manually, a second valve in said fuel oil pipe and a valve in said gasoline pipe, and means connected with the two last said valves for opening one and closing the other simultaneously.

2,097,527
FRUIT PICKER
George E. Melown, Youngstown, Ohio
Application January 8, 1937, Serial No. 119,646
4 Claims. (Cl. 56—336)



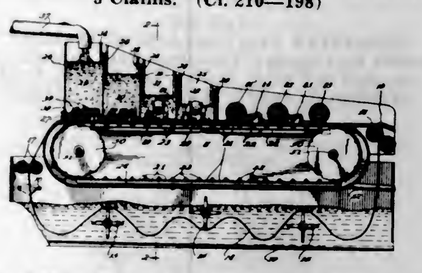
1. In a fruit picker, a support member having a frame member secured thereon, outwardly extended curved support arms on said frame member, a pair of shears supported upon said frame member, blades on said shears being curved and having their extreme outer ends pointing downwardly, means for manipulating said shears, said means comprising a manipulating member the upper end of which extends through an opening

in said frame member, a plate secured to the upper end of said manipulating member, a link attached at one end near the edge of said plate and in a pivoted manner, and the other end attached to the movable arm of said shears, a metal frame held by said outwardly extended curved support arms directly underneath said pair of shears and attached at a lower portion to said support member, a net receptacle carried by said metal frame and forming into a receiving bag at its lower end, a control cord secured on said support member and looped about the neck of said net receptacle.

2,097,528
METHOD OF MAKING RUBBER ARTICLES
Harold A. Morton, Akron, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
No Drawing. Application October 27, 1934, Serial No. 750,383
15 Claims. (Cl. 18—58)

1. The method which comprises providing a form having an exposed surface carrying a latex coagulant, reducing the effectiveness of the coagulant in a determinately restricted portion of the surface, then applying latex to the form to deposit thereon latex rubber, and drying the deposited rubber.

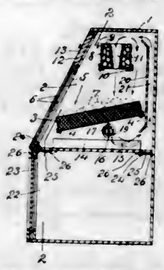
2,097,529
FILTER
Carl H. Nordell, Chicago, Ill., assignor to Advance Engineering Company, Chicago, Ill., a corporation of Illinois
Application December 20, 1934, Serial No. 758,376
3 Claims. (Cl. 210—198)



1. A filter having a filtering position and comprising a continuous web of fabric, a movable conveyor for moving said fabric past said filtering position, means for supplying liquid to be filtered in said position to the fabric, and means in said position for agitating said liquid and the cake deposited therefrom upon the filter fabric.

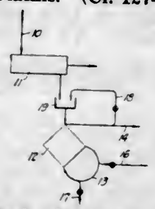
2,097,530
REFRIGERATOR FOOD DISPLAY CASE
Louis W. C. Peddicord, Topeka, Kans., assignor of one-half to Richard R. Houdek, Topeka, Kans.
Application October 3, 1936, Serial No. 103,891
5 Claims. (Cl. 62—89.5)

1. In combination with a refrigerator food display case having a chamber provided at the front with an observation window movable to and from a closed position for insertion or removal of food, and having above said window a doorway and a door therefor, and a food support in said chamber at the rear of said window, refrigerating means in said chamber above said support and at the rear of and accessible to through said doorway, air conducting means leading from below said support to a point higher than said refrigerating element, and means for forcing air from



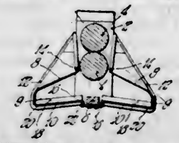
below said support upwardly through said conducting means and then downwardly past and in contact with said refrigerating element and into contact with food on said support.

2,097,531
PROCESS APPLICABLE TO STARCH MANUFACTURE
Albert Peltzer, Palo Alto, Calif., assignor to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif., a corporation of California
Application June 20, 1934, Serial No. 731,415
9 Claims. (Cl. 127—69)



2. In a method of treating liquid materials containing lighter and heavier solid components suspended in a carrier liquid, effecting removal of a substantial amount of the carrier liquid, then diluting the remainder of the material with a liquid material containing only the lighter components, subjecting the diluted material to separating forces to effect a separation between lighter and heavier solid components, the lighter components being delivered in an overflow and the heavier components being delivered in an underflow, and utilizing a part of the overflow as the diluting medium in the second-mentioned step.

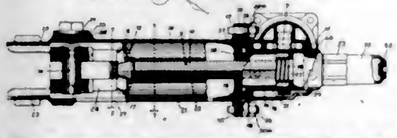
2,097,532
WRINGER
Julian L. Perkins, West Springfield, Mass.
Application July 21, 1936, Serial No. 91,679
2 Claims. (Cl. 68—32)



1. The combination with a wringer frame with rolls journalled therein of a unitary drain board hinged to said frame, the said drain board including an upper drip board declining outwardly from said rolls, a trough therebelow and a frame connecting the drip board and trough together

having upper and lower longitudinal members, and hinge connections between the lower longitudinal member and wringer frame.

2,097,533
SLACK ADJUSTER FOR AIR BRAKES
John E. Redford, St. Louis, Mo.
Application June 1, 1936, Serial No. 82,692
14 Claims. (Cl. 188—203)



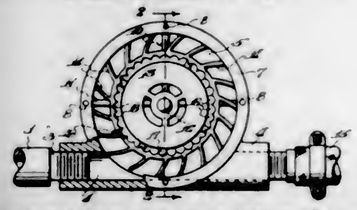
1. In a device of the class described, a casing, a cross-head mounted in said casing for reciprocation, and operatively connected with the brake actuating devices of a car, a shaft in said casing connected with said cross-head, fluid actuated means for imparting movement to said shaft, and a cushion spring on the end of said cross-head for impact with the end of said casing.

2,097,534
MECHANICAL POWER TRANSMISSION
Allen M. Rossman, Wilmette, Ill., assignor to Rossman Engineering Company, Chicago, Ill., a corporation of Illinois
Application October 28, 1933, Serial No. 695,626
18 Claims. (Cl. 74—245)



2. In a laminated belt, an assembly of unit strips laid one on another, each strip being displaced longitudinally with respect to its adjacent strip, and means, disposed beside said assembly, for joining said strips to form a predetermined number of continuous endless strands.

2,097,535
LIQUID FLOW INDICATOR
Lena M. Rugel and Paul F. Rugel, Dallas, Tex.
Application July 11, 1935, Serial No. 30,862
1 Claim. (Cl. 116—117)



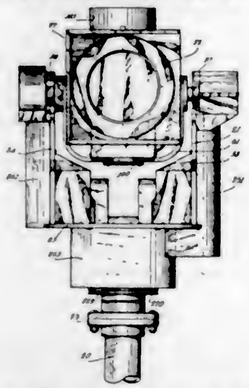
In a liquid flow indicating device, the combination comprising a liquid passage, a circular housing having transparent sides, arranged to be interposed between the point of liquid supply and the point of discharge and having communication with said passage, a wheel whose rotary axis is offset relative to said passage and having spaced, arcuate vanes on its periphery in spaced relationship and rotatably disposed in said housing whereby said vanes will successively enter said passage to be actuated by the liquid conveyed through said passage to visibly indicate the flow of liquid from the supply, an annular flange from which said vanes extend, having in its inner periphery a multiplicity of successive depressions, and a spherical element arranged to be received in one of said depressions upon cessation of rotation of said wheel.

2,097,536
RETRIEVER FOR FISH LURES
Carl I. Shirk, Modesto, Calif.
Application October 31, 1936, Serial No. 108,565
1 Claim. (Cl. 43—30)



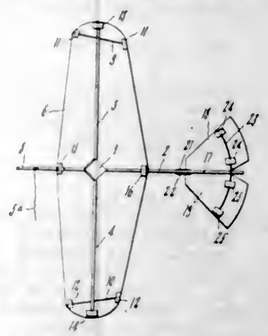
A retriever for fish lures comprising a tubular body adapted to encircle the line attached to a snagged lure and a drop line secured to said body adjacent the top thereof; the bore of the body being frusto-conical in form.

2,097,537
REMOTELY CONTROLLED SPOTLIGHT
Robert Earl Snyder, Pasadena, Calif., assignor of one-half to Fred L. Harter, Los Angeles, Calif.
Application June 7, 1933, Serial No. 674,642
13 Claims. (Cl. 240—3)



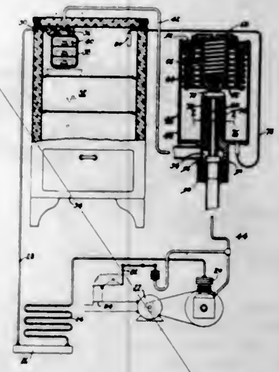
1. A remotely controlled projector of radiant energy or the like comprising a standard, a lantern mounted upon the standard for rotation about horizontal and vertical axes, remotely controlled means for causing the lantern to rotate about either or both axes, said means including friction drives enabling the lantern to be manually turned or to stop upon fouling without danger of injury, and friction brake mans for stopping rotation of the lantern and holding the lantern stationary, said friction drive means being located between the brake means and the lantern so that the lantern can be turned manually while the brake means is applied by causing the friction drive means to slip.

2,097,538
KITE
George M. Taylor, Wakefield, Mass., assignor to Paul K. Guillow, Wakefield, Mass.
Application February 21, 1936, Serial No. 65,010
12 Claims. (Cl. 244—154)



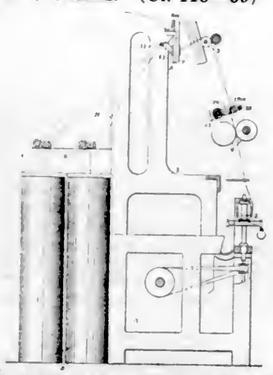
1. A kite having lateral wings and a guiding tail vane structure longitudinally displaced from the wings and in which the forward portion of the wings is tilted up relatively to the rear portion thereof in the fore-and-aft dimension of the kite at an angle sufficient to cause the wind to exert a retarding as well as a lifting action on the kite when in tethered flight.

2,097,539
REFRIGERATING APPARATUS
Edward J. Tomlinson, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 31, 1935, Serial No. 24,260
7 Claims. (Cl. 62—4)



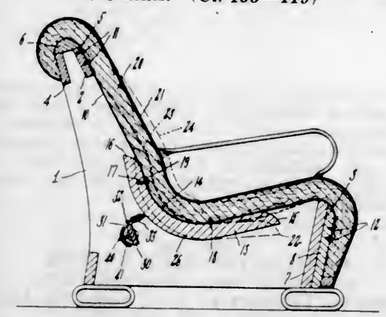
1. Refrigerating apparatus including a refrigerant evaporating means for cooling a medium and a refrigerant compressing and condensing means for supplying liquid refrigerant to and for withdrawing evaporated refrigerant from the evaporating means, and means responsive to the arithmetical sum of the influences of the temperature of the medium to be cooled and the pressure of the refrigerant within the evaporating means for controlling the withdrawal of refrigerant from the evaporating means.

2,097,540
TREATING COMPOSITE STRANDS
Homer D. Tracy, Ridgewood, N. J., assignor to The Linen Thread Co. Inc., New York, N. Y., a corporation of Delaware
Application January 21, 1937, Serial No. 121,399
7 Claims. (Cl. 118—39)



1. The method of converting a sliver into a spun product which consists in drawing the sliver to a state in which it is too weak continously to withstand the strain imposed thereon when it is pulled in an upward direction, depositing the thus-drawn sliver in a mass, pulling the thus-drawn sliver from such mass and spinning it and in so pulling the sliver directing it from said mass in an upwardly reaching course, and meanwhile continually twisting the portion of the sliver at any time in such course to a degree sufficient to prevent disruption of such portion.

2,097,541
CHAIR OR SEAT
John Turner, Contoocook, N. H.
Application May 29, 1936, Serial No. 82,463
8 Claims. (Cl. 155—119)



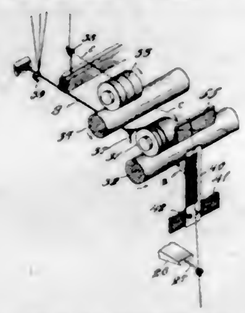
6. A structure of the class described comprising a top back member and a front seat member, a flexible body supporting member secured at its ends to said back and seat members and depending therebetween to form seat and back portions, and means engaging said seat and back portions and transmitting pressure exerted on one of said portions from the occupant to pressure against the occupant at the other of said portions.

2,097,542
SELF-INFLATING LIFE BELT
Karl Viktor Gösta Wallin, Hedensberg, Sweden
Application February 7, 1935, Serial No. 5,358
Renewed August 27, 1937. In Sweden July 26, 1933
1 Claim. (Cl. 9—19)



In an inflatable life saving device, the combination of a belt having an introduction valve, and a gas generating cartridge introduced into the belt through said valve, said cartridge comprising a breakable hermetically closed rubber tube to contain a supersaturated solution of sodium bicarbonate in water, a breakable phial to contain concentrated sulphuric acid arranged in said tube, and a perforated protecting tube enclosing said phial within the rubber tube to prevent the pieces of the phial when broken from passing into the belt through the broken rubber tube.

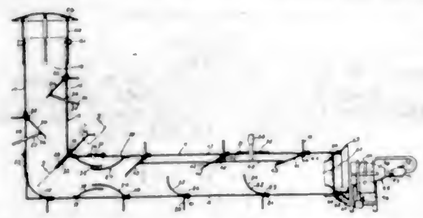
2,097,543
APPARATUS FOR MAKING BUNCH-YARN
Samuel Rushton Walsh, Valley Falls, R. I., assignor to H & B American Machine Company, a corporation of Maine
Application March 27, 1937, Serial No. 133,327
19 Claims. (Cl. 117—22)



1. A yarn guide for twisting and like machines for making bunch yarn comprising a body having one edge slotted to provide a plurality of spaced openings disposed in a single row along said edge portion for selectively receiving and separately guiding one or more of the bunch-forming yarns.

2,097,544
RADIANT ORCHARD HEATER
Charles H. Ames, Whittier, Calif.
Application February 10, 1937, Serial No. 125,000
11 Claims. (Cl. 126—59.5)

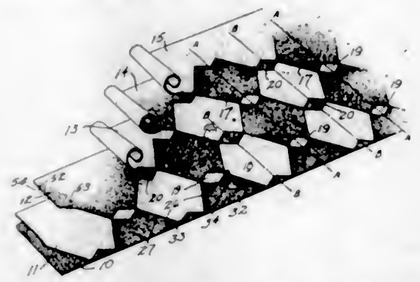
1. In an orchard heater, an elongated L-shaped body comprising a wall, fixed baffles secured about the exterior of said body, each of said baffles having an outwardly extending fin portion and having a base portion welded to the body, a plurality of baffles within said body, said baffles within the body including fin portions directed towards the center of the body and base portions secured to the interior of the body, a damper at the juncture of the two portions of the L, a Venturi member in said body, said Venturi member comprising a pair of tubular members inwardly directed and tapering with one member disposed within the other member, certain of said inner baffles on one wall being curved to direct heated products of combustion towards the opposite wall.



2,097,545
THE PROCESS OF PRODUCING DISTILLED ALCOHOLIC SPIRITS
Frederick S. Bowden and Richard B. Bowden, Kansas City, Kans., assignors to White Springs Distillery, Inc., a corporation of Missouri
No Drawing. Application June 4, 1934, Serial No. 728,954
2 Claims. (Cl. 99—40)

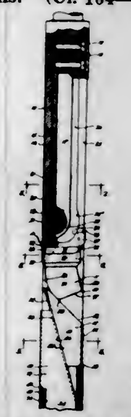
1. The process of producing distilled alcoholic spirits which comprises forming a mash of material suitable for the production of alcoholic spirits, fermenting said mash to form a solution of mash suitable for heating to produce vapors, adding activated carbon in proportion of one to three pounds of activated carbon to each one hundred gallons of the solution of mash immediately prior to distillation thereof, causing distillation of the solution of mash, and condensing the vapors of distillation.

2,097,546
ROOF COVERING AND ROOFING MEMBER
Harold D. Brown, Los Angeles, Calif.
Application July 15, 1929, Serial No. 378,304
21 Claims. (Cl. 108—7)



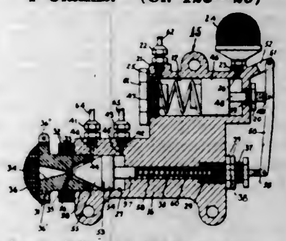
17. In a roof comprising a plurality of shingles each bounded along one side by an edge having a plurality of complementary primary tabs and recesses with a secondary recess formed at the end of each tab and a secondary tab formed at the end of each recess, said secondary tabs and recesses being complementary, a series of overlapping courses of said shingles laid with the ends of the primary tabs in registration with the ends of the primary recesses so that the tabs and recesses in one course are oppositely disposed from the complementary recesses and tabs respectively in an adjacent course.

2,097,547
WELL TOOL
Ora A. Brown, South Gate, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application June 5, 1934, Serial No. 729,097
16 Claims. (Cl. 164—0.4)



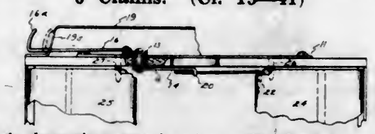
1. In a well tool, a body, two members carried by the body and having slidably cooperating inclined surfaces, one member being toothed to grip the casing, a cutter carried by the body to engage said member and to swing into engagement with the casing upon movement of the body with respect to said member, and means for resisting movement of the other member whereby movement of the body results in cooperation of said surfaces to bring the toothed member into stationary engagement with the casing.

2,097,548
AUTOMATIC HUMIDIFIER
Harry J. McCombs Burdick, Anaheim, Calif.
Application September 3, 1935, Serial No. 38,958
4 Claims. (Cl. 123—25)



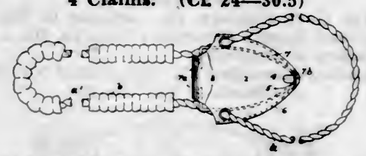
2. In a humidifier, a body having a chamber therein, said body having an aperture providing an air inlet, a valve in said chamber, fluid operated means to move said valve, said chamber having a water inlet at one end, said chamber having an outlet at the other end, said body having a frusto-conical recess therein communicating with said air inlet, said valve having a cylindrical body and a frusto-conical head conforming in shape to the recess in said plug, the end of said valve being plane and serving to close said air inlet when the valve is in one extreme position, the cylindrical portion of said valve serving to close said water inlet when the valve is in the other extreme position, said valve having an aperture extending therethrough, said aperture at one end being disposed at one side of said plane portion, said aperture at the other end terminating at the other end of the valve.

2,097,549
CARPET SWEEPER DUMPING MECHANISM
Norman W. Cummins, Louisville, Ky., assignor to Adler Manufacturing Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application December 29, 1933, Serial No. 704,497
6 Claims. (Cl. 15—41)



2. A dumping mechanism attached to a vertically disposed end member of a carpet sweeper housing, comprising a shaft pivotally mounted in a bushing associated with said end member, an arm keyed to the inside end of said shaft and circumferentially projecting beyond said bushing, said arm engaging the central portion of a spring cooperating to open and close a pair of dust pans, and means employed to actuate said mechanism, including another arm keyed to said shaft, said inside arm cooperating with the shaft and bushing to effectively protect said bushing against the egress of dust from said housing.

2,097,550
ROPE CLIP
John Faber, Jr., Haledon, N. J.
Application January 9, 1937, Serial No. 119,749
4 Claims. (Cl. 24—30.5)

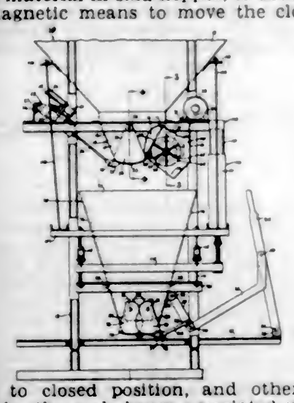


1. The combination, with a shell consisting of a length of stiff sheet material existing bent on substantially median transverse lines and having its terminals opposed to each other and converging toward their free ends, said terminals having substantially opposed apertures removed from said ends, and a bifurcated spring strip secured in the shell and having its bight confined between said ends of the shell and its extremities arranged to press against rope portions reeved through the apertures.

2,097,551
BATCHING APPARATUS
Leslie H. Garlinghouse, Los Angeles, Calif.
Application June 29, 1934, Serial No. 733,037
2 Claims. (Cl. 249—43)

1. In a batching apparatus, a hopper, a bin, said bin having a discharge aperture leading to said hopper, a closure for said aperture, a scale device, said hopper being the scale-pan of said scale device, pneumatic means for moving said closure, electro-magnetic means for actuating the moving means of said closure, a scale beam adapted to weigh a desired amount of material delivered from the bin, said bin having an auxiliary discharge aperture spaced from the first discharge aperture, said auxiliary aperture discharging into said hopper, a conveyor disposed in said auxiliary aperture, means operable upon movement of said closure to open position to simultaneously cause movement of the conveyor in the auxiliary aperture associated with the bin to convey material from the bin through said auxiliary discharge aperture into the hopper,

means controlled by the movement of the scale beam associated with said bin, caused by the weight of material in said hopper, to actuate said electro-magnetic means to move the closure of



said bin to closed position, and other means operated by the scale beam associated with said bin and effective after the closure of said bin is closed and said hopper has received an additional weight of material to stop said conveyor.

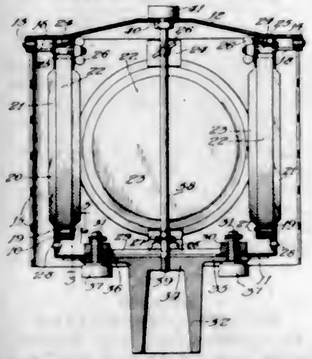
2,097,552

REFLECTOR TYPE SIGNAL FOR SWITCH STANDS

Godfrey Gort, Chicago, Ill., assignor to Western Railroad Supply Company, Chicago, Ill., a corporation of Delaware

Application November 27, 1935, Serial No. 51,867

5 Claims. (Cl. 88—78)



1. A reflector type signal comprising a plurality of side walls forming an open-top housing, each side wall having a reflector mounted therein, a top wall removably seated on the upper edge of said housing and extending beyond the side walls thereof, a grille connected to the edges of the top wall and suspended therefrom in spaced relation to said side walls and reflectors, whereby said top wall and grille may be removed as a unit for gaining access to said reflectors.

2,097,553

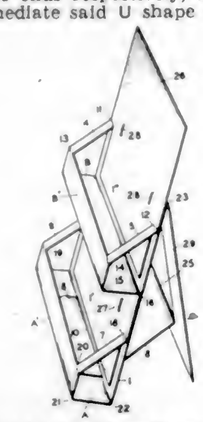
DISPLAY RACK

Raoul J. Gruenberg, San Francisco, Calif.

Application January 2, 1935, Serial No. 12

1 Claim. (Cl. 248—198)

A display rack formed from a continuous blank of sheet material having a U shape shelf-cut and a U shaped tab-cut directed in opposite directions within the margins of the blank adjacent its opposite ends respectively, and a transverse slot intermediate said U shape cuts; said blank



being folded back and forth upon itself in triple formation; two of said folded portions being fixed together, whereby a shelf is formed below said shelf-cut and a supporting easel is formed when said tab enters said slot.

2,097,554

HEARING AID

Frank Lawrence Alloway, Kingsport, Tenn.

Application February 4, 1936, Serial No. 62,335

5 Claims. (Cl. 181—23)



1. A hearing device comprising a body for supportable insertion in the main outer passage of the ear, said body comprising a tube of a diameter to substantially snugly fit said passage, said tube having a relatively small inner end and an enlarged outwardly tapering outer end, said inner end being formed with an internal groove, a relatively small sound vibration diaphragm closing said small end and having its edges seated in said groove, said enlarged outer end being formed with an internal groove, a relatively large sound vibration diaphragm closing said outer end and having its edges seated in said groove.

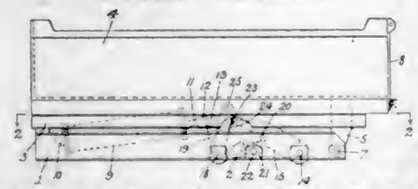
2,097,555

TIPPING MECHANISM

William C. Anthony, Streator, Ill., assignor to Anthony Company, Streator, Ill., a corporation of Illinois

Application August 12, 1936, Serial No. 95,687

13 Claims. (Cl. 298—22)



1. In combination a load carrying and dumping assembly, including, a support and a member

mounted on said support to be tilted, and means for tilting said member, comprising a leverage mechanism, said leverage mechanism including a lever pivoted on said assembly and carrying at one end an auxiliary lever, said auxiliary lever having two free end portions, a power source movably mounted within said assembly and means for connecting it to one of said free portions of said auxiliary lever, and a fulcrum member supported on said assembly, the other free portion of said auxiliary lever provided with a fulcrum face adapted to contact said fulcrum member.

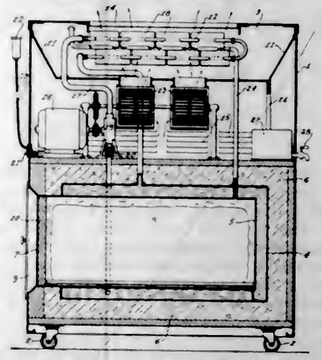
2,097,556

AIR CONDITIONING APPARATUS

Ralph F. Bixby and John H. Meyer, St. Louis, Mo.; said Meyer assignor to said Bixby

Application November 5, 1934, Serial No. 751,610

7 Claims. (Cl. 62—91.5)



1. An air conditioning apparatus comprising a receptacle for a heat exchange agent, a container for a low temperature refrigerant positioned in intimate thermal contact with said agent, a casing forming an air treating compartment through which air may be circulated, a coil positioned in said compartment in the path of circulation of said air, means for circulating said agent through said coil and a secondary coil positioned similarly to said first coil and means for passing through said secondary coil the gases resulting from evaporation of said refrigerant.

2,097,557

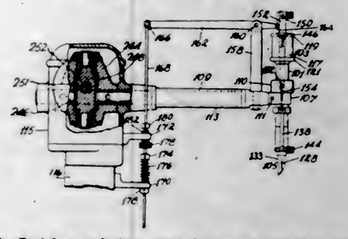
FLUID-APPLYING MACHINE

John Henry Brown and Thomas Baggott Clarke, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 16, 1935, Serial No. 54,607

In Great Britain December 28, 1934

10 Claims. (Cl. 12—31)



1. A fluid-applying machine comprising a support, a tube carried thereby and provided at its delivery-end with a slot and with a constricted passage leading into the slot at one extremity and having about the opposite extremity a valve-seat, a valve movable through the tube and co-operating with the seat, and a peripherally-grooved roll rotatable in the slot.

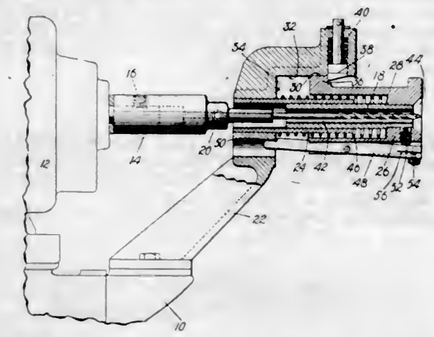
2,097,558

MACHINE FOR OPERATING UPON THE HEEL-PORTIONS OF SHOES

Francis L. Brandt, Wakefield, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application December 30, 1935, Serial No. 56,733

23 Claims. (Cl. 144—93)



6. In a machine for operating upon the heel-portions of shoes, a rotatable tool, a member movable along the tool by engagement with the work, and means movable upon the member for locking said member against movement.

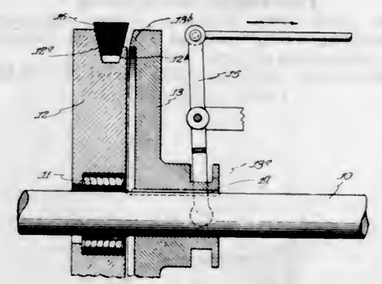
2,097,559

CLUTCH PULLEY

Robert L. Brownlee, Chicago, Ill.

Application January 22, 1937, Serial No. 121,896

5 Claims. (Cl. 74—230.24)



1. A clutch comprising a driving pulley, a shaft freely mounting said pulley, a driven member laterally spaced from said pulley and slidably keyed to said shaft for movement towards and away from said pulley, a peripheral groove having diverging walls formed on said pulley, one wall of said groove being lower than the other wall, a belt carried in said groove by said walls thereof, and said driven means being formed to provide means for engaging said belt above the top of said lower wall to frictionally connect said driving and driven members when the latter is slid along said shaft into engagement with said driving member.

2,097,560

LEAD AND LEAD ALLOYS

William Thomas Butcher, Ilford, England, assignor to Goodlass Wall & Lead Industries Limited, London, England

No Drawing. Application December 12, 1936, Serial No. 115,629. In Great Britain September 12, 1935

14 Claims. (Cl. 75—166)

1. A process of alloying metals with lead, which comprises the steps of treating a molten tin-containing lead alloy with a flux, consisting of a mixture of a lead halide and a reducible compound of a metal selected from the group consisting of arsenic, antimony, and copper, said compound being an oxide of said metal or a compound adapted to form an oxide of said metal in situ, thereby effecting oxidation of the tin and replacement thereof in the alloy by the said metal, and removing the tin oxide so formed by separating the flux from the alloy.

2,097,561

FEEDING MECHANISM FOR ROCK DRILLS

John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio

Application November 12, 1934, Serial No. 752,662

16 Claims. (Cl. 121—9)



1. In a rock drill, a support, a tube slidably guided thereon, a drilling motor slidably guided on said tube, a feeding mechanism for said drilling motor including said slidable tube, a stationary element within the latter, means for effecting the slidable movement of said tube relative to said element, and means receiving motion from the slidable movement of said tube for effecting the slidable movement of said drilling motor relative to said tube.

2,097,562

PORTABLE POLE STEP

Lester Scott Day, Hamden, Conn., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 24, 1936, Serial No. 76,289

1 Claim. (Cl. 228—46)



A step adapted to be detachably connected to a pole or the like including a tread surface and a pole-engaging channel member having slotted side portions, and a chain comprising associated links disposed at right angles to each other, said chain having one end permanently fixed to one side portion and looped about the pole and having its free end held in adjustable engagement with the other side portion by the insertion of a link therethrough and held in position by the next succeeding link.

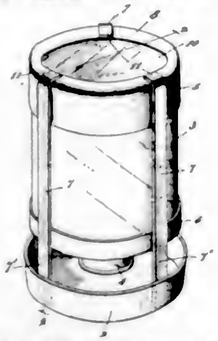
2,097,563

CHICKEN FOUNTAIN

Delbert B. Dreese, Larned, Kans.

Application February 11, 1936, Serial No. 63,411

1 Claim. (Cl. 119—77)



In a drinking fountain, a bottle serving as a water container and having a neck, and a casing about the bottle consisting of bands fitting snugly about upper and lower portions of the bottle, the lower band having a portion extending below the bottle and bent to form a flange engaged under the bottom of the bottle in flat contacting engagement therewith, the upper band having a portion extending above the bottle and bent to form a flange overlying the top of the bottle in flat contacting engagement therewith and strips extending longitudinally of the bottle in spaced relation to each other circumferentially thereof and firmly secured against outer surfaces of the bands to retain the bands in close fitting engagement with the bottle, said strips having their upper end portions projecting beyond the upper band and constituting legs adapted to support the bottle when inverted in an elevated position over a water pan with the neck of the bottle extending downwardly into the pan and terminating in spaced relation to the bottom of the pan, lower end portions of said strips being bent inwardly and secured across the under face of the flange of the lower band.

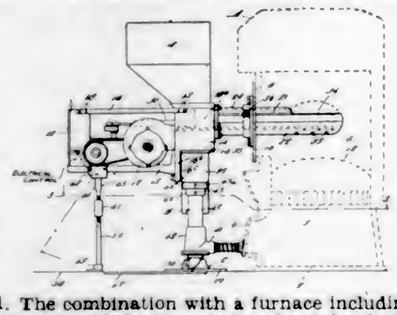
2,097,564

OVERFEED STOKER

Joseph J. Durand, Minneapolis, Minn.

Application July 16, 1935, Serial No. 31,661

5 Claims. (Cl. 110—101)



1. The combination with a furnace including a fire box provided with a grate, of a stoker including a bowl having an air chamber and a coal pocket, a spout secured to the bowl and extending into the fire box above the grate, said spout having a coal chute registering with the coal pocket and a conductor registering with the air chamber at one end and with the fire box at the other end to feed air over the grate, a hollow pedestal arranged to support the stoker and equipped with a passage communicating with said air chamber, a flexible air conductor communicating at one end with the passage in the pedestal and at the other end with the furnace under the grate, and bushing fittings between the ends of the flexible conductor and the pedestal and the furnace respectively.

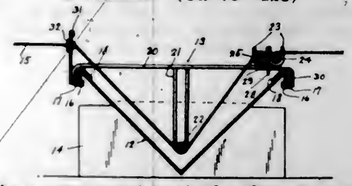
2,097,565

THREAD GUIDE AND TENSIONING MEANS FOR KNITTING MACHINES

William P. Ford, Decatur, Ala.

Application October 24, 1936, Serial No. 107,488

3 Claims. (Cl. 66—125)



1. As a component part of a thread guide tensioning unit of the class described, a frame, a pair of spaced parallel freely removable and turnable glass rods mounted on said frame to permit passage thereover of a thread, a glass ring disposed between said rods and hung on the threads, and a relatively fixed guard finger extending thru said ring to limit the upward movement of the ring and to prevent the ring from dropping down in the manner and for the purposes described.

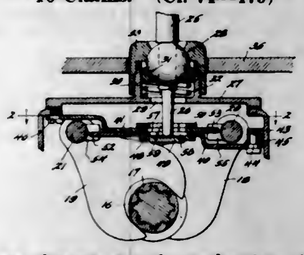
2,097,566

CHANGE SPEED GEARING

Aubrey E. Hummer, Washington, D. C., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application May 28, 1934, Serial No. 728,024

16 Claims. (Cl. 74—473)



1. In a change speed mechanism including gearing and a housing therefor, in combination, shifter members, a pair of levers arranged in overlapping relation for a portion of their lengths and having fixed pivots at their oppositely projecting ends, the other ends of said levers respectively operatively engaging said shifter members, a shift lever intersecting said overlapping levers, cooperating means on said levers whereby said shift lever may selectively engage and actuate either one of said levers, said means comprising oppositely extending, substantially T-shaped slots formed in said overlapping levers, the upright arms of said T-shaped slots adapted to be in substantial registry when the levers are in unshifted or neutral positions.

2,097,567

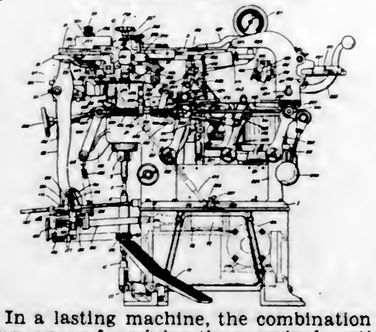
LASTING MACHINE

Frank Bycroft Keall, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 23, 1936, Serial No. 86,828

In Great Britain August 13, 1935

23 Claims. (Cl. 12—14)



1. In a lasting machine, the combination with wiping means for wiping the marginal portion of upper materials into lasted position, of a member movable by the operator to operate said wiping means, and power-operated mechanism arranged to become effective after the wiping means has been forced inwardly against the upper by the operator to supplement the force applied to said means by the operator.

2,097,568

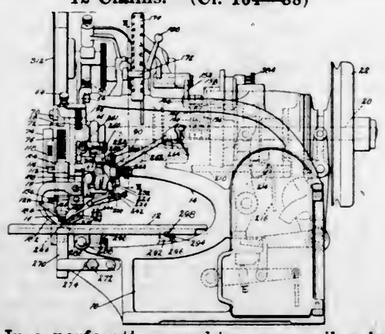
PERFORATING MACHINE

Frank Bycroft Keall and Lawrence Mawbey, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 4, 1936, Serial No. 66,989

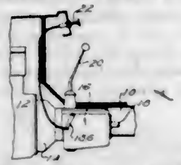
In Great Britain March 23, 1935

12 Claims. (Cl. 164—88)



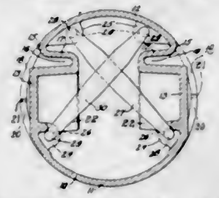
1. In a perforating machine, an anvil, a backing strip adapted to be advanced across the face of the anvil, means for sustaining the backing strip comprising a pair of reels, an arm pivotally mounted upon the frame of the machine, and upon which the reels are mounted, intermittently operated mechanism for advancing the strip across the face of the anvil, a gear for driving one of the reels, each of the reels having a pinion adapted to engage the gear, and means for locating a selected reel with its pinion in engagement with the gear.

2,097,569
AUTOMATIC TRANSMISSION
Ano E. Kilpela, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation, a corporation of Illinois
Application November 4, 1933, Serial No. 696,632
19 Claims. (Cl. 74—336)



1. In a device of the class described, the combination of aligned driving and driven shafts, clutch elements carried by each of said shafts, respectively, and rotating at different rates of speed and adapted to be connected to said driven shaft for driving the same, a clutch member slidably splined to said driven shaft and adapted for selectively connecting the same to each of said clutch elements, means carried by said clutch member operable responsive to centrifugal force resulting from rotation thereof for connecting the same to said driving shaft clutch element, said clutch member normally being in a position where said means are ineffective, means affording a one-way driving connection between said shafts whenever said clutch member is in a position where said centrifugal force responsive means may be effective for connecting said driven shaft to said driving shaft clutch element, and shifting means for moving said clutch member into and out of the position where said centrifugal force responsive means may be effective without disconnecting said clutch member from said driven shaft and without regard to the speed of rotation of said clutch member.

2,097,570
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application May 21, 1934, Serial No. 726,743
9 Claims. (Cl. 309—13)



1. A piston comprising a head, a skirt having a resiliently flexible thrust side and a solid thrust side, and a pair of transverse members crossing each other intermediate their ends, each being secured at one end to the flexible thrust side and at their other ends to the solid thrust side of the skirt.

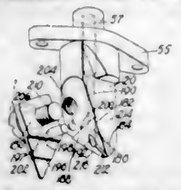
2,097,571
PIPETTE
James J. Moran, Drexel Hill, Pa., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application August 26, 1935, Serial No. 37,907
1 Claim. (Cl. 23—292)

A cushioning member for use on pipettes of the type having a body portion tapered at one end thereof and a reduced stem connected to said tapered end comprising a washer formed of yieldable material adapted to embrace said stem and said tapered end at the juncture thereof, said



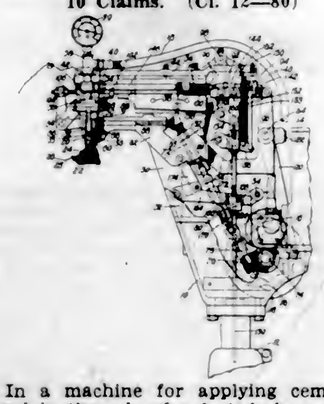
washer having an inner substantially conical surface to fit said tapered end and having an outer substantially conical surface with a plurality of flutes thereon, said conical surfaces converging in the same direction.

2,097,572
NOZZLE FOR SHOE CHANNEL CEMENTING MACHINES
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 28, 1935, Serial No. 42,659
In Great Britain September 25, 1935
11 Claims. (Cl. 91—43)



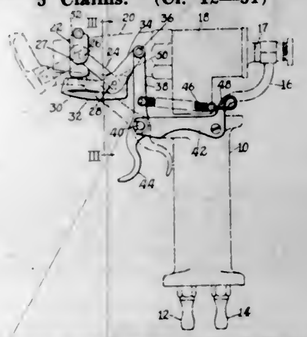
1. In a shoe channel cementing machine, an extruding nozzle having an acutely tapered end portion and provided with elongated passages extending from the apex back along opposed sides of said end portion of the nozzle whereby cement may be extruded through one passage directly upon the base of the channel and through the other passage directly upon the channel flap.

2,097,573
CHANNEL CEMENTING MACHINE
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application September 28, 1935, Serial No. 42,659. Divided and this application November 25, 1936, Serial No. 112,723. In Great Britain September 25, 1935
10 Claims. (Cl. 12—80)



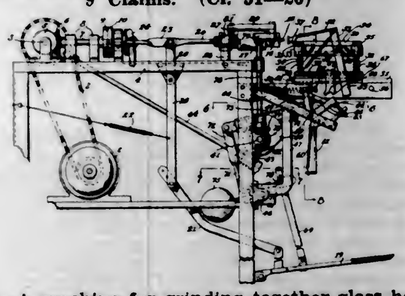
1. In a machine for applying cement to a channel in the sole of a lasted shoe, a tapered extruding nozzle adapted to be received in the channel and constructed and arranged to apply cement directly both to the flap and the bed thereof, means for forcing cement through said nozzle, and power-operated means for engaging the shoe for causing a relative traversing movement between the nozzle and a shoe thereby to apply cement along the linear extent of the channel.

2,097,574
SHOE-TREATING MACHINE
Fred Ricks and Frank Coleman Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 16, 1937, Serial No. 126,010
In Great Britain March 13, 1936
5 Claims. (Cl. 12—51)



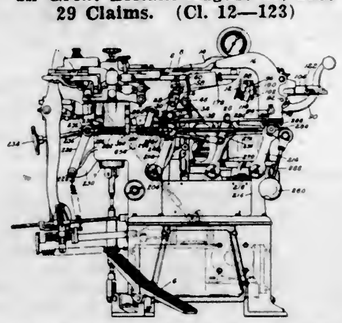
1. An apparatus for use in operating on shoes comprising a tubular member adapted to conduct a stream of hot gas and to direct it upon a shoe, and an ironing tool mounted thereon and having an inoperative position substantially in contact with the tubular member and an operative position remote from the tubular member and directly in the path of the stream of hot gas, whereby the tool is heated by conduction through the tubular member when in inoperative position and is heated directly by the stream of hot gas when in operative position.

2,097,575
GLASS STOPPER AND BOTTLE GRINDING MACHINE
James H. Roberts and Charles V. Achauer, Zanesville, Ohio, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application August 26, 1936, Serial No. 98,000
9 Claims. (Cl. 51—26)



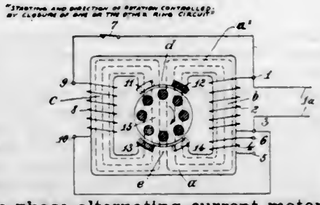
1. A machine for grinding together glass bottle necks and stoppers, including means for holding a stopper, means for holding a bottle, means for rotating one of the articles, means for periodically moving one of the articles into and out of grinding relation with the other article, and mechanism for automatically stopping such periodic movement when the stopper has reached a predetermined seating position in the bottle neck.

2,097,576
MACHINE FOR OPERATING ON SHOES
William Thomas Buckingham Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 23, 1936, Serial No. 86,838
In Great Britain August 13, 1935
29 Claims. (Cl. 12—123)



1. In a machine for operating on shoes, a shoe-positioning device for engaging the bottom of a shoe, a toe rest and a heel rest for engaging the shoe respectively at the top of the forepart and at the heel end to hold the shoe, and mechanism movable by the operator to force said toe rest and heel rest first yieldingly and then positively against the shoe after the shoe has been presented in contact with said shoe-positioning device.

2,097,577
SINGLE PHASE ALTERNATING CURRENT MOTOR
Sebastian Seitner, Alzey, Germany, assignor to firm: Markes & Co., Gesellschaft mit beschrankter Haftung, Ludenscheid, Germany
Application September 19, 1936, Serial No. 101,653
In Germany April 3, 1934
1 Claim. (Cl. 172—275)



Single phase alternating current motor of the split pole type with a short-circuited rotor, comprising, a stator having at least two yoke-sides and intermediate field poles, at least two pairs of short-circuitable rings on the poles for reversing the direction of rotation, at least two exciting windings for alterating current electrically in parallel and in opposing flux connection on different yoke-sides adjacent to the same stator pole, an additional secondary winding for supplying external consumers with reduced ten-

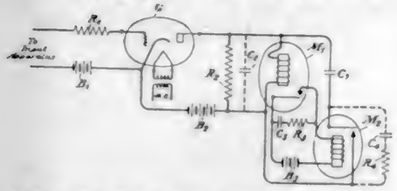
sion current on one yoke-side and means for separately disconnecting the exciting winding arranged on the other yoke-side to stop the rotor while maintaining the same reduced voltage at the secondary winding as during the running of the rotor.

2,097,578

APPARATUS FOR RECORDING STEEP WAVE FRONT VOLTAGES OF SHORT DURATION

Leland Kasson Swart, Mountain Lakes, and David William Bodle, Pequannock, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application November 5, 1935, Serial No. 48,378
7 Claims. (Cl. 175—320)



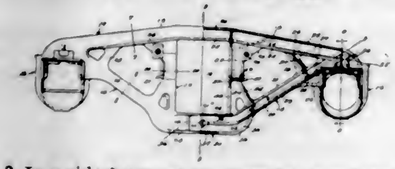
1. Apparatus for translating steep wave front voltages of short duration including a gas-filled tube to the input circuit of which said voltages are applied to ionize the gas within the tube, a source of potential, an inductive load connected to the output circuit of the tube in series with said source of potential, and a resistor conductively connected directly in shunt to the inductive load.

2,097,579

TRUCK SIDE FRAME

Thomas H. Symington, deceased, late of Baltimore, Md., by Edith R. Symington and Thomas R. Symington of Lutherville and Reisterstown, Md., executors, assignors, by mesne assignments, to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application January 18, 1932, Serial No. 587,334
13 Claims. (Cl. 105—205)



3. In a side frame, a compression member channel shaped in cross section and open at the bottom, the compression member having sides terminating at their lower edges in inwardly extending flanges and having continuous external ribs in alinement with said flanges, the ribs and flanges extending continuously throughout the length of the frame, and the tension members having marginal flanges merging into said first named flanges above the journal boxes, and having their sides increasing in thickness toward the journal boxes.

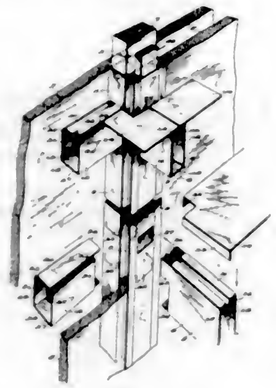
2,097,580

BUILDING CONSTRUCTION

Charles E. Tarbell, White Plains, N. Y.

Application June 5, 1936, Serial No. 83,753
7 Claims. (Cl. 189—36)

1. A metallic building structure including two angularly disposed hollow structural members, one of said members having an end portion disposed in abutting relation with the other of said members and being provided with laterally spaced portions projecting beyond said end portion into the interior of the latter, said last named mem-



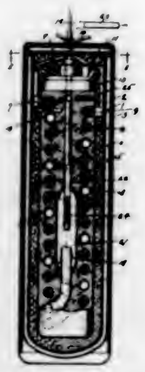
ber having means adapted to frictionally engage at least one of said laterally spaced portions, and means movable longitudinally of and within said last named member engageable with said laterally spaced portions for rigidly connecting said members.

2,097,581

ELECTRIC STEAM GENERATOR

Kurt Beyrodt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y., a corporation of Delaware

Application March 31, 1936, Serial No. 71,882
3 Claims. (Cl. 219—39)



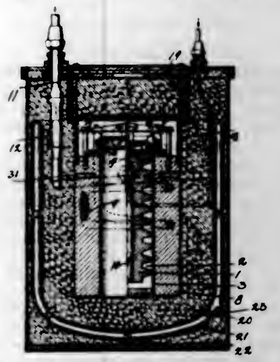
1. An electric steam generator comprising in combination a metal mass having a heating element and water evaporating tubing disposed helically thereof and embedded therein, said metal mass being provided internally adjacent its lower end with a chamber of larger cross section than said tubing, the said tubing adjacent its lower end being bent back upon itself and terminating in said chamber, an extension of said tubing extending upwardly from said chamber to the upper end of the apparatus to provide a steam outlet.

2,097,582

ELECTRIC STEAM GENERATOR

Kurt Beyrodt, Hartford, Conn., assignor to Electric Steam Sterilizing Company, Inc., New York, N. Y., a corporation of Delaware

Application March 31, 1936, Serial No. 71,883
11 Claims. (Cl. 219—39)



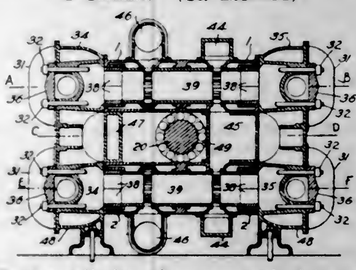
1. An electric steam generator comprising in combination a metal mass with a heater cast therein, said mass being provided with a central chamber, a metal shell fitting said chamber, and a second metal mass provided with a grooved periphery fitting within said shell, the said groove in conjunction with said shell providing evaporating surfaces for the generation of steam.

2,097,583

OPPOSED PISTON INTERNAL COMBUSTION ENGINE

John Lawrence Bogert, Brooklyn, N. Y.

Application November 8, 1934, Serial No. 752,095
4 Claims. (Cl. 123—51)



2. In the cylinder of an opposed piston engine in which two power-producing pistons reciprocate simultaneously in substantially opposite directions, counterboring both ends of said cylinder, fitting said counterbores with bushings divided longitudinally into halves, together with means for securing and releasing said bushings, substantially as represented and for the purpose set forth.

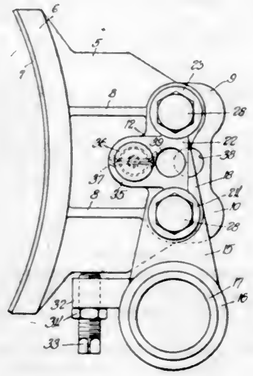
2,097,584

BRAKE SHOE CONSTRUCTION

Robert J. Burrows and Alfred O. Williams, Battle Creek, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application May 12, 1936, Serial No. 79,315
9 Claims. (Cl. 188—230)

3. In combination, a brake shoe having a pair of pin receiving openings therein, a brake head having a bifurcated arm portion receiving said shoe and having a pair of pin receiving openings spaced apart a distance less than the openings in said shoe, and pin means carried by said arm and adapted to extend through either of said



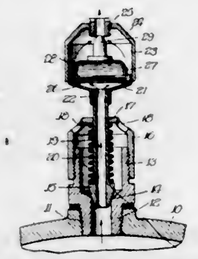
pair of openings to support said shoe for pivotal movement on said arm, said arm having means normally urged into frictional engagement with the lateral surface of said shoe to hold said shoe in position with respect to said arm while accommodating slight pivotal movement thereof.

2,097,585

VALVE FOR PRESSURE COOKERS, STERILIZERS AND THE LIKE

Robert H. Carson, Chicago, Ill., assignor to Burpee Can Sealer Company, Chicago, Ill., a corporation of Illinois

Application February 13, 1936, Serial No. 63,709
5 Claims. (Cl. 277—20)



1. In a valve of the type described, the combination of an externally threaded valve casing open at one end and having on its other end a nipple and a valve seat at the inner end of the bore of the nipple, an internally threaded cap screwed onto said casing, said cap having a hole in its end wall and a vent opening, an annular valve cooperating with said seat, said valve having a hollow stem extending through the hole of said cap, a thrust spring between said cap and valve urging the latter to closed position, a housing mounted on the outer end of said stem and communicating interiorly with the latter, said housing having an air vent opening, a valve in said housing, and a heat-energized member in said housing for moving said last-named valve to close said air vent opening.

2,097,586

PRODUCTION OF POLYMERIZED UNSATURATED COMPOUNDS

John William Croom Crawford, Ardrossan, Scotland, assignor to Imperial Chemical Industries, Limited, a corporation of Great Britain

No Drawing. Application February 25, 1935, Serial No. 8,218. In Great Britain March 2, 1934
10 Claims. (Cl. 260—2)

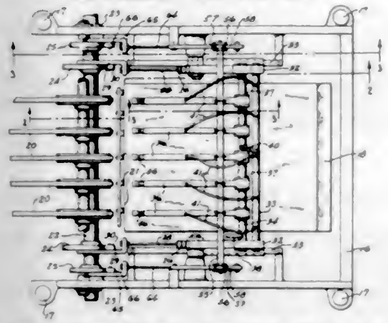
1. Process for the manufacture of products of enhanced transparency to ultra-violet light by the polymerization of a compound selected from the group consisting of mono-olefin compounds containing the vinyl groups CH_2:CH— and mono-olefin compounds containing the alpha-substituted vinyl group which consists in using as polymerization catalysts peroxides of aliphatic dibasic acids.

2,097,587

SHEET FEEDING DEVICE

Lester V. Dearing, Milwaukee, Wis., assignor to Automatic Unit Corporation, a corporation of Wisconsin

Application July 23, 1934, Serial No. 736,500
14 Claims. (Cl. 271—26)



1. In a sheet feeding device, a shaft, a plurality of feeder arms loosely mounted on said shaft for movement into engagement with sheet material, suction feet carried by said arms in which a suction is established, a common elevating means for said arms, and means for independently connecting each arm to said elevating means, said means being constructed to permit the arms to fall by gravity to contact the sheet at different elevations when the elevating means is lowered.

2,097,588

TYPEWRITING MACHINE

William A. Dobson, Wethersfield, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application November 22, 1932, Serial No. 643,811
6 Claims. (Cl. 197—147)



2. A typewriter-platen having a wear-resisting jacket which is compounded of rubber, carbon-black, whiting, sulphur and zinc, and having a density of about 87 to 90, and filled by a weighted soft-rubber cylinder compounded of rubber, magnesia, whiting, palm-oil, sulphur and paraffin, and having a density of 55 to 60, the platen being substantially of the following proportions: diameter of the platen 1¼ inches; thickness of the wearing jacket $\frac{3}{32}$ of an inch; outside diameter of the soft-rubber cylinder $1\frac{1}{16}$ of an inch, and central perforation of the same about ⅜ of an inch in diameter; and a metal core.

2,097,589

TREATMENT OF TEXTILE MATERIALS

Henry Dreyfus, London, England

No Drawing. Application August 24, 1935, Serial No. 37,781. In Great Britain August 30, 1934
8 Claims. (Cl. 91—68)

1. In a process for the manufacture of textile materials impregnated with an insoluble metal compound, the step which comprises improving the fastness of said metal compound without substantially impairing the properties of the textile materials by applying to the textile materials impregnated therewith a solution in a volatile organic solvent of a substance which forms a film on the materials which is substantially insoluble in aqueous scouring liquids, the film-forming substance being applied in a quantity less than 5% of the weight of the textile materials treated.

2,097,590

MANUFACTURE OF VINYL COMPOUNDS

Henry Dreyfus, London, England

No Drawing. Original application March 24, 1932, Serial No. 601,060. Divided and this application June 17, 1933, Serial No. 676,334. In Great Britain March 30, 1931
10 Claims. (Cl. 260—2)

3. Process for the production of vinyl compounds, which comprises the interaction of a vinyl halide with a saturated organic compound containing at least two acid groups, so as to obtain products containing acid groups.

7. Process for the production of vinyl compounds, which comprises the interaction of a vinyl halide with an acid salt of succinic acid.

2,097,591

METHOD OF TREATING GREEN COFFEE BERRIES

Sam Everett Finley, Atlanta, Ga., assignor of one-third to Robert D. Kneale, Atlanta, Ga.

No Drawing. Application June 20, 1936, Serial No. 86,347
2 Claims. (Cl. 99—68)

1. The herein described method which comprises grinding green coffee berries and thereafter cascading the resulting ground particles separated and free from static contact with one another and unobstructedly through a gaseous medium heated to a temperature to roast the particles, whereby they are individually enveloped in such medium and uniformly roasted thereby.

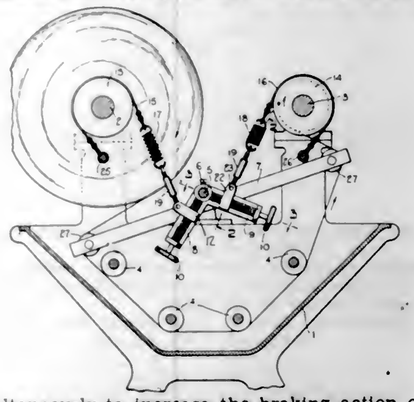
2,097,592

DYE JIG

Bradford C. Gibbs, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application February 14, 1935, Serial No. 6,419
2 Claims. (Cl. 242—75)

1. In a device for treating fabrics wherein the fabric during treatment is unwound from one roll and wound upon another roll, a combination with a brake operatively connected to each of said rolls, of a shaft, a member on said shaft, operable by an unrolled portion of the fabric, adapted to decrease the braking action on one roll and simultaneously to increase the braking action on the other roll, and means on said shaft and movable with said member for initially adjusting the tension exerted on said rolls by said brakes.

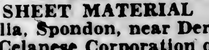


2,097,593

APPARATUS FOR THE MANUFACTURE OF SHEET MATERIAL

Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application January 20, 1934, Serial No. 707,465
In Great Britain January 24, 1933
4 Claims. (Cl. 18—15)



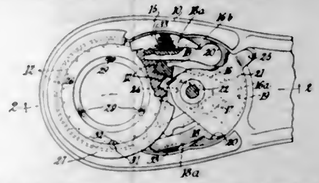
4. An endless band for the manufacture of artificial films, foils and like materials consisting of two firmly united layers, one layer consisting of cold rolled nickel and capable of being flexed repeatedly without deterioration and the other consisting of a plating of nickel which is very hard and capable of taking a high polish.

2,097,594

REVERSIBLE RATCHET WRENCH

Willard C. Kress, Kenmore, N. Y., assignor to J. H. Williams & Co., Buffalo, N. Y., a corporation of New York

Application May 18, 1936, Serial No. 80,386
5 Claims. (Cl. 81—62)



2. A ratchet wrench comprising a body portion, a ratchet wheel mounted thereon, a plurality of coacting pawls pivoted on said body portion and adapted to move, substantially in unison, into engagement with the ratchet wheel, a spring coacting with the outer side of one of said pawls and the latter coacting with another of said pawls whereby a plurality of pawls receive the tension of the said spring and are thereby urged into a position where they may engage said ratchet wheel.

2,097,595

INSULATION MATERIAL

James A. Malcolm, Chicago, Ill., assignor to Daniel C. Luse, Chicago, Ill.

Application July 15, 1936, Serial No. 90,714
1 Claim. (Cl. 154—44)



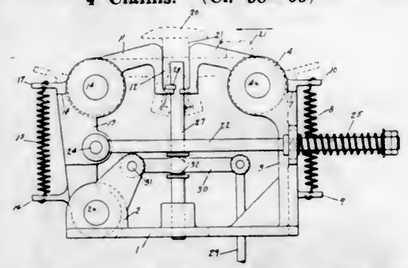
An insulating material in the form of a pad adaptable for the thermal insulation of wall or like structures and composed of a homogeneous mass of relatively short length wool fibers not susceptible to weaving, said fibers being distributed and needled throughout the pad from one outer surface of the pad to the other to interconnect and interlace the fibers together to give the pad self-supporting sheet-like form, said fibers being sufficiently short in length to render the pad relatively soft and fluffy to provide innumerable dead air cells within the pad from one outer surface portion of the pad to the other to make the pad as constituted of said short length fibers effective as an insulator against heat and cold for a wall construction.

2,097,596

SHOCK ABSORBING LATCHING DEVICE

George F. McDougall, Portland, Oreg., assignor to Oregon Textile Machines, Inc., Portland, Oreg., a corporation of Oregon

Application March 9, 1937, Serial No. 129,846
4 Claims. (Cl. 38—63)



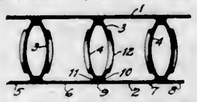
1. A latching device comprising a base, one fixed and one pivoted standard normal to the base, two opposing jaws pivotally mounted one on each standard to define a latching space between the jaws, springs and jackknife joints to limit the position of the jaws and resilient shock absorbing means positioned to cushion an impact against the pivoted standard.

2,097,597

CELLULAR STRUCTURE

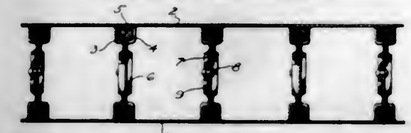
John Pavlecka, Detroit, Mich.

Application August 19, 1935, Serial No. 36,761
26 Claims. (Cl. 189—34)



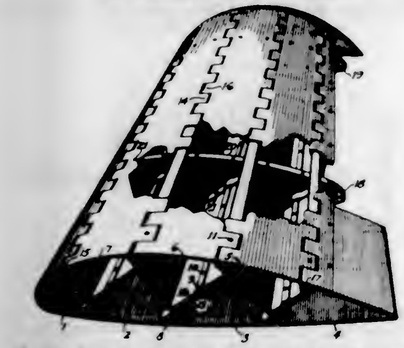
1. A cellular structure comprising, tubular cells of sheet material having side walls forming jointly wedge-shaped gaps therebetween, tying means joining said cells through said side walls thereof, and linear wedges inserted in said gaps, retained therein by said walls and constrained against dislocation by the clinching action of said walls due to said tying means.

2,097,598
CELLULAR STRUCTURE
John Pavlecka, Detroit, Mich.
Application January 13, 1933, Serial No. 651,494
Renewed March 2, 1936
7 Claims. (Cl. 189—34)



1. A structure comprising, a series of tubular multi-lateral cells having side webs and chord webs meeting in a number of apices, said cells providing the exterior surfaces of said structure with said chord webs and abutting one on each other along said side webs thereby forming walls of double thickness in the interior of said structure, each cell having its apices profile grooved and transversely serrated, the serrated apex portions of each cell being intermeshed with the full apex portions of the associated cell, and linear members interlocking said intermeshed apex portions of said cells.

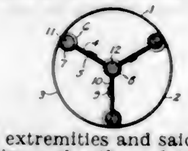
2,097,599
CELLULAR STRUCTURE
John Pavlecka, Detroit, Mich.
Application December 31, 1934, Serial No. 759,816
Renewed July 20, 1937
17 Claims. (Cl. 244—124)



1. A structure comprising, a series of individual tubular cells of sheet material extending lengthwise of the structure, each of said cells having its own chord web and two sides meeting in three apices, two of said apices at said chord web being transversely serrated and the third apex being continuous, said cells being intermeshed in said serrated apices thereof whereby said chord webs provide a portion of the exterior surface of the structure, a number of struts, certain of said struts interlocking each two intermeshed apices of said cells and others of said struts being disposed in said continuous apices of said cells, a panel or panels of sheet material providing the remaining portion of the exterior surface of the structure, said panel or panels being secured detachably to said struts in said continuous apices of said cells.

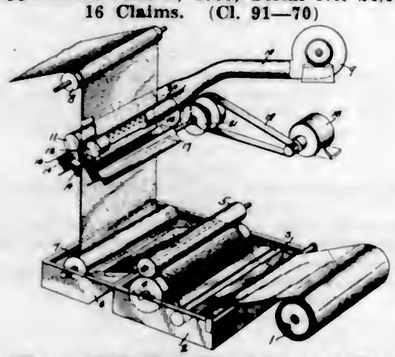
2,097,600
COLUMN STRUCTURE
John Pavlecka, Detroit, Mich.
Application December 31, 1934, Serial No. 759,815
22 Claims. (Cl. 189—38)

1. A column structure comprising, a closed exterior shell and an interior spar, both of sheet material, said spar having a number of webs meeting in pairs at a number of extremities, and



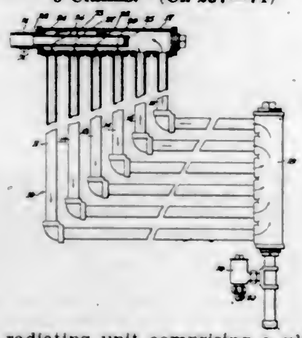
between said extremities and said shell each pair of webs forming a sheath, and linear rigid struts inserted in said sheaths as stress members.

2,097,601
METHOD AND APPARATUS FOR COATING PAPER AND THE LIKE
Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application June 1, 1935, Serial No. 24,474
16 Claims. (Cl. 91—70)



1. The method of coating paper and the like, which method comprises continuously moving a web of the material through a bath of coating material, advancing the web to a bath of cooling fluid to cool the coating and then moving the web between air streams directed alternately first against one side and then against the other side to vibrate the web to remove excess cooling fluid and dry the coated web.

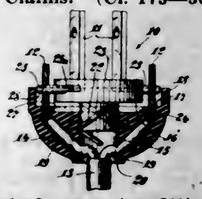
2,097,602
RADIATOR
Karl W. Rohlin, Merchantville, N. J., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application March 6, 1936, Serial No. 67,440
5 Claims. (Cl. 237—74)



1. A radiating unit comprising a plurality of tubes, a supply header interconnecting said tubes

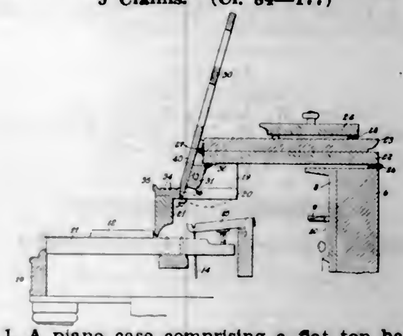
at one end of the unit, means within said header for directing jets of steam respectively into certain of said tubes, at least one of said jets being larger than the others, whereby when the steam supply is but a fraction of that required for heating the whole unit, the remote portions of tubes having larger jets will be supplied with more steam than tubes with smaller jets, means at the other end of the unit interconnecting each of the tubes having jets with at least one of the remaining tube or tubes, whereby said remaining tube or tubes provide return passages for permitting air or steam to circulate back toward or into said header.

2,097,603
ELECTRICAL CONNECTER CAP
John H. Ruth, Brooklyn, N. Y.
Application August 8, 1936, Serial No. 94,885
3 Claims. (Cl. 173—361)



2. An electrical connecter fitting including a shell member having a chamber having a seating means at the base thereof and angularly spaced passages having their inner ends at the seating means, a one piece plug member having spaced electrical contact prongs fixed thereon, said members having a thread axially interengaging the members for adjustable relative axial and angular motion between the members with the plug member positioned in the said chamber, the plug member affording free spaces adapted to confront said passages, the contact prongs having inner contact portions confronting the seating means at the inner ends of said passages, whereby relative axial and angular movement between the members causes the contact portions to move about the axis of said members to bend over and clamp the bared ends of conductor wires threaded through said passages into said spaces, the said thread serving to hold the members axially tight to maintain the said clamped condition of the wire ends.

2,097,604
PIANO CASE CONSTRUCTION
Joseph Sauerland, West New York, N. J., assignor to Hardman, Peck and Company, New York, N. Y., a corporation of New York
Application September 18, 1936, Serial No. 101,377
5 Claims. (Cl. 84—177)



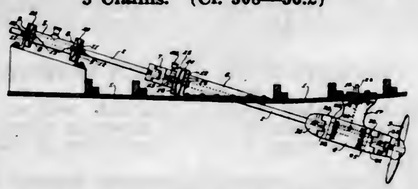
1. A piano case comprising a flat top having front and back sections so hinged that the front section folds over onto the back section to expose the keys, a music rack hinged to the underside of the back section, a transversely extending member extending from above the keys to the underside of the top and having an aperture in which said rack is free to swing, said rack being so mounted that when raised its lower edge abuts said member.

2,097,605
APPARATUS FOR THE FINE DISPERSION OF GASES IN LIQUIDS
Julius Schierenbeck, Heidelberg, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application September 25, 1935, Serial No. 42,009
In Germany October 6, 1934
4 Claims. (Cl. 261—121)



1. Apparatus for preparing fine dispersions of gases in liquids comprising a pipe for the passage therethrough of a gas, a pipe surrounding said first mentioned pipe for the passage of a liquid therethrough, a deflecting plate screening the mouth of the first mentioned pipe and a deflecting plate screening the mouth of the second mentioned pipe.

2,097,606
MOUNTING FOR PROPELLER SHAFTS
Walter R. Smittle, St. Louis, Mo.
Application March 12, 1934, Serial No. 715,103
5 Claims. (Cl. 308—36.2)

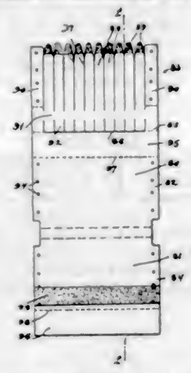


1. A supporting bearing for a propeller shaft comprising an outboard bearing for said shaft, a supporting hanger for said bearing attachable to a boat and having a cylindrical face, an aligning element having a cylindrical face matching that of said hanger and having a flat face shiftably engageable with a support, and means operable from inside the boat for securing said parts in adjusted relation.

2,097,607
POCKET WITH PULL-MATCHES
Henry Spira, New York, N. Y.
Application December 14, 1934, Serial No. 757,501
2 Claims. (Cl. 206—29)

1. A pocket with pull-matches comprising two walls, an igniting surface within the pocket; one of the walls provided with a flap at its top; the flap folded into the interior of the pocket, a transverse incision along the fold leaving lateral tabs of the flap connected with the respective wall, and a plurality of match strips formed by

longitudinal incisions in the flap from the edge opposite the fold to the transverse incision; the



longitudinal incisions interrupted for a short length near the transverse incision.

2,097,608

CONCENTRATION OF GOLD BEARING MATERIALS

Stanley Tucker, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application January 24, 1935, Serial No. 3,267. In Great Britain January 30, 1934

11 Claims. (Cl. 209—166)

1. A process for the concentration of a gold-bearing material consisting in forming a pulp of finely-divided particles of the gold-bearing material with water in the presence of a mercurial agent and a sulphidizing agent, so that the surfaces of the gold particles in the pulp are modified by said agents and said gold particles made amenable to concentration depending upon their surface properties, and concentrating said gold particles from the material by flotation.

2,097,609

CONCENTRATION OF GOLD BEARING MATERIALS

Stanley Tucker, London, England, assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Original application January 24, 1935, Serial No. 3,267. Divided and this application May 22, 1937, Serial No. 144,314. In Great Britain January 30, 1934

9 Claims. (Cl. 209—166)

1. A process for the concentration of a gold-bearing material consisting in forming a pulp of finely-divided particles of the gold-bearing material with water in the presence of a mercurial agent and an organic sulphur derivative of carbonic acid, so that the surfaces of the gold particles in the pulp are modified by said mercurial agent and organic sulphur derivative of carbonic acid and said gold particles made amenable to concentration depending upon their surface properties, and concentrating said gold particles from the material by flotation.

2,097,610

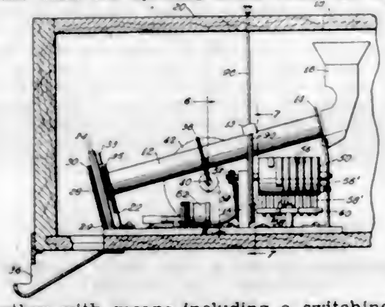
COIN OR TOKEN DISPENSER

Irven H. Wilsey, Chicago, Ill.

Application October 21, 1936, Serial No. 106,719

7 Claims. (Cl. 312—67)

4. A coin dispensing device including an inclined coin storage tube supported for rotation about its longitudinal axis, electrical means for rotating said tube, means including a reciprocable ejecting slide positioned at the lower extremity of the tube for ejecting coins from the latter,



together with means including a switching device operable by a member on said tube to energize said electrical driving means during a predetermined number of revolutions of said tube.

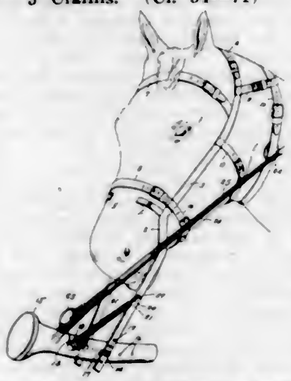
2,097,611

SCHOOLING DEVICE

Willoughby W. Adams, Mount Vernon, Ill.

Application April 2, 1937, Serial No. 134,607

5 Claims. (Cl. 54—71)



5. A schooling device including a bridle having rigid side members extending below the mouth of the animal to which the bridle is applied, a striker adjustably and pivotally mounted between the members, yielding means for holding the striker normally pressed away from the nose of the animal, a guiding element on the bridle, and a pulling device slidably mounted in said element and connected to the striker.

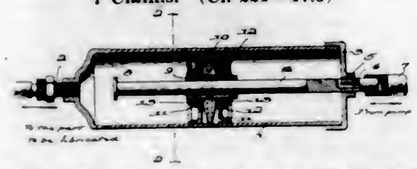
2,097,612

GREASE GUN

Albert W. Arnold, Miami, Fla.

Application July 27, 1935, Serial No. 33,589

7 Claims. (Cl. 221—47.3)



7. A lubricating device comprising a cylinder, a guide rod having one end fixed in one end of the cylinder and extending lengthwise therein with an abutment on the opposite end of said rod, said rod having a duct in the fixed end opening into the cylinder for supplying fluid under pressure thereto, a piston slidably mounted on the guide rod and including a single disk having opposite conical faces with packing cups secured at their inner edges on opposite sides of the disk in front of and having the major portions thereof normally spaced from said faces, said cups being turned in opposite directions and being respectively pressed against said faces upon the application of pressure.

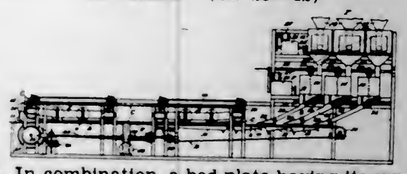
2,097,613

PROCESS AND APPARATUS FOR MAKING AND COLORING CEMENT FIBER AND THE LIKE PRODUCTS

Clements Batcheller, Portsmouth, N. H., assignor to Bemis Industries, Incorporated, Boston, Mass., a corporation of Delaware

Application July 28, 1931, Serial No. 553,818

31 Claims. (Cl. 25—42)



1. In combination, a bed plate having its upper surface longitudinally corrugated, an endless carrier belt adapted to travel over said surface and capable of assuming the contour thereof, means for forming a strip of plastic material on said belt as it passes over said bed plate, a second endless belt above said carrier belt and corrugated rollers within said second belt adapted to press said belt against the material on said carrier belt.

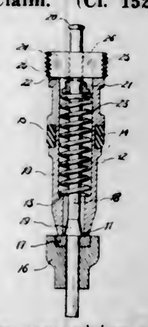
2,097,614

VALVE INSIDES

Adelbert E. Bronson, Cleveland, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application December 8, 1931, Serial No. 579,719

1 Claim. (Cl. 152—12)



A valve insides comprising a barrel having a longitudinal bore therethrough, a valve pin extending through the barrel and having secured thereto adjacent its inner end a valve proper, and a member freely rotatable on said valve pin outwardly of the outer end of the barrel and rotatable relative to said barrel, said member being in the form of a bar having its opposite ends laterally flanged and curved on arcs of the same circle and provided with threads, said member forming the means by which the valve insides may be screwed into a valve stem.

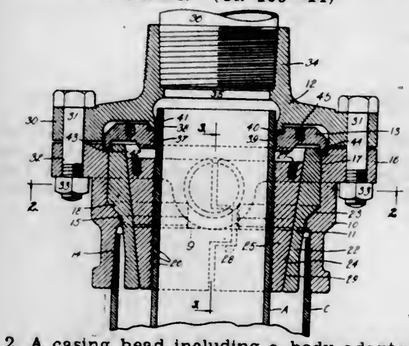
2,097,615

CASING HEAD

Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.

Application August 7, 1935, Serial No. 35,105

7 Claims. (Cl. 166—14)



2. A casing head including a body adapted to be applied to the casing of a well, the body having an opening registering with and forming a continuation of the opening in the casing, a spider arranged in the body opening, slips in the spider for carrying an inner casing, an upper section secured to the body, packing carried by the body, a member surrounding the inner casing and bearing on the packing, and packing on the member sealing about the inner casing engaged and held under pressure by the upper section whereby the first mentioned packing is held under pressure by the member.

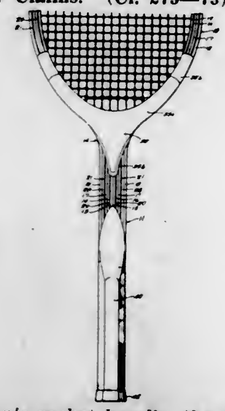
2,097,616

RACKET

Theophilus A. Davis, Los Angeles, Calif.

Application March 30, 1936, Serial No. 71,553

7 Claims. (Cl. 273—73)



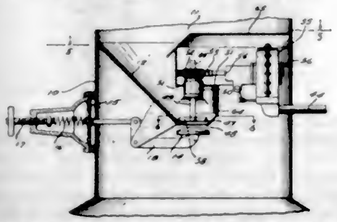
1. In a tennis racket handle, the combination of two outside substantially flat flexible edge members of relatively heavy wood extending parallel to one another the length of the handle, relatively heavy wood material between said edge members extending from the racket throat end of the handle to a point about midway of the length of the handle, a relatively light wood filler block between and abutting the inner surfaces of said edge members and extending from a point near the lower end of said wood material to the butt end of the handle, the grain of said filler block

running at right angles to the flexible edge members, the thickness of said block measured in the direction of the grain being less than the distance between the flexible edge members at the upper end of the handle, and said flexible edge members being flexed inwardly at the upper end of said filler block and being glued against its adjacent end grain surfaces.

2,097,617
CARBIDE AGITATOR FOR ACETYLENE GENERATORS

Maurice P. De Motte, Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application November 23, 1932, Serial No. 644,058
8 Claims. (Cl. 48—53.3)

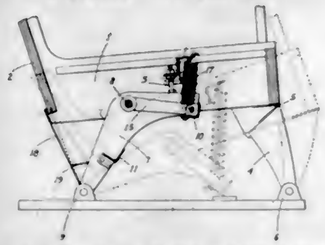


1. In an acetylene generator; a carbide hopper having a carbide feed outlet; a valve cooperating with said outlet for controlling the rate of said feed; a sleeve within said outlet through which said carbide passes for agitating carbide therein; and means for moving said sleeve.

2,097,618
CHAIR

Benjamin H. Drake, Stockton, Calif.

Application February 21, 1936, Serial No. 65,080
4 Claims. (Cl. 155—116)



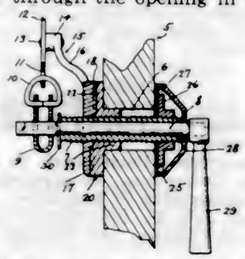
4. A chair including a seat frame, spaced front legs pivoted at their upper ends to the forward portion of the seat frame and pivoted at their lower ends to the floor, a shaft journaled on said seat frame and extending from one side of the seat frame to the other side thereof intermediate the front and back of the frame, hand controlled means to rotate the shaft, spaced rear legs pivoted at their lower ends to the floor, said legs extending upward and surrounding the shaft, and means on the shaft and engaging said rear legs to swing the legs about their floor pivots with rotation of the shaft relative to the seat frame.

2,097,619
TOILET TANK LEVER MOUNTING

Leon Aaron Grimes, Rocky Mount, N. C.

Application January 4, 1937, Serial No. 119,046
2 Claims. (Cl. 4—67)

1. In combination, a vertical wall having a squared opening extending horizontally therethrough, a plate contacting a portion of the wall and having a square reduced extension on one face fitting in the opening, a second plate resting on the first plate, said plates having their contacting faces ribbed to prevent one plate slipping on the other and said plates having threaded openings therein, the opening in the first plate passing through the extension, an exteriorly threaded tube passing through said openings and also passing through the opening in the wall, a

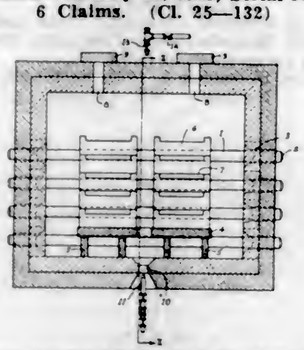


washer on the tube engaging that face of the wall which is opposite the face engaged by the first plate, a nut on the tube engaging the washer, an upwardly and outwardly extending arm on the second plate, a lever pivoted to the arm, a shaft passing through the tube with its ends projecting beyond the ends of the tube, a connection between the shaft and the lever for moving the lever by rocking movement of the shaft and a handle connected with the shaft.

2,097,620
METHOD AND APPARATUS FOR FIRING CERAMIC WARE

Earl J. Harris, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application February 15, 1935, Serial No. 6,708
6 Claims. (Cl. 25—132)



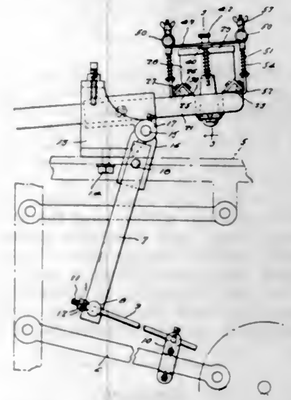
1. In an electrically heated furnace, a silicon carbide heating resistor and a gaseous jet for causing circulation of the gases within the furnace, the jet being so positioned as to tend to cause circulation in a direction opposite to that normally caused by convection.

2,097,621
INK FOUNTAIN

Harvey G. Harwood and Birney G. Albee, Oshkosh, Wis.

Application January 13, 1937, Serial No. 120,443
1 Claim. (Cl. 101—340)

In combination with a platen printing press, a rockable structure, connecting means between the rockable structure and a movable part of the press, a removable ink receptacle supported by the rockable structure for supplying ink to the usual form roller of the press, said ink receptacle consisting of a rectangular frame-like structure, a pair of channeled members disposed transversely on the rockable structure and adapted for supporting the receptacle, said frame-like structure being supported by the lower portion of the receptacle and defining the outlet for the re-

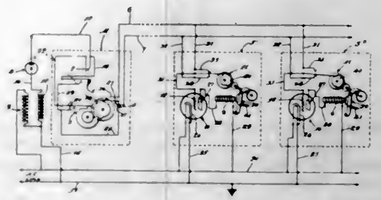


ceptacle, a roller mounted in the said frame-like structure, a closure for the top of the receptacle, a bridge piece disposed across the closure and having openings in the ends thereof, vertically disposed hook members extending through the openings in the bridge member, said hook members having their lower ends hookedly engaged with the said channeled members, and securing means at the upper ends of the hook members bearing against the end portions of the said bridge member.

2,097,622
TIME CONTROLLED SYSTEM

Edward B. Jackson, Downers Grove, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware

Application September 15, 1934, Serial No. 744,240
8 Claims. (Cl. 58—24)

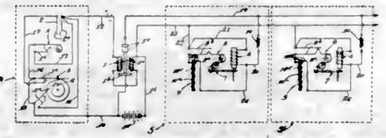


3. In a master apparatus for use in a corrective time controlled system, two control circuits extending to secondary apparatus, means for applying a control potential to one of said circuits at regular intervals at a relatively slow rate, means for intermittently applying said control potential to said circuit at a much greater rate during one of said first mentioned intervals, and means for thereafter exercising a like control over said second circuit for a like period of time.

2,097,623
SYNCHRONIZING SYSTEM

Edward B. Jackson, Downers Grove, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware

Application October 11, 1934, Serial No. 747,851
14 Claims. (Cl. 58—24)

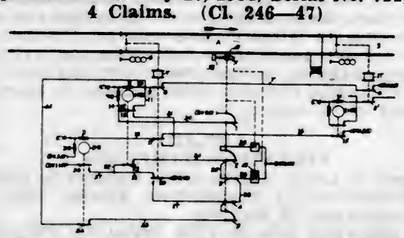


5. In a secondary apparatus for use in a corrective time controlled system, an impulse magnet for advancing said apparatus, an operating circuit therefor, means operative only in one particular position of said apparatus for completing a shunt circuit for said magnet, and means responsive only to the receipt of an impulse of abnormal duration for opening said shunt circuit.

2,097,624
AUTOMATIC TRAIN STOP SYSTEM FOR RAILROADS

Thomas Kittredge, Rutherford, N. J., and Herbert D. Brooks, Oceanside, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application February 17, 1934, Serial No. 711,700
4 Claims. (Cl. 246—47)

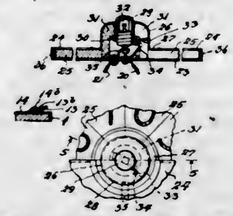


1. In an automatic stop system for railroads, in combination, an electrically controlled stop mechanism located a short distance beyond the entrance to a block having the usual track relay, a home relay and a distant relay, a clearing circuit for said stop mechanism including a front contact of the home relay and a back contact of the distant relay, and circuit means controlled by said track relay for picking up the distant relay and home relay in succession, and then dropping the distant relay to establish said clearing circuit.

2,097,625
ILLUMINATED SIGN AND PUSH BUTTON UNIT

Charles L. Langlotz, New York, N. Y.

Application April 9, 1936, Serial No. 73,575
12 Claims. (Cl. 40—130)



1. In a push button appliance of the class described, in combination, a base member, a push

button movable thereon of translucent substance, a light having its rays directed through the said substance of said button, instrumentalities for supplying electric current to the said light, and a switch member through which the button passes, cooperating with said instrumentalities, and means for movably mounting the switch member on said base member so that the light may be put out or lighted at will.

2,097,626

BOOK LEAF SECURING MEANS

Geno Lesti, Cleveland, Ohio; Angelo Lesti and Nancy Lesti, guardians of said Geno Lesti, minor, assignors to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts

Application December 26, 1934, Serial No. 759,143
1 Claim. (Cl. 129—1)



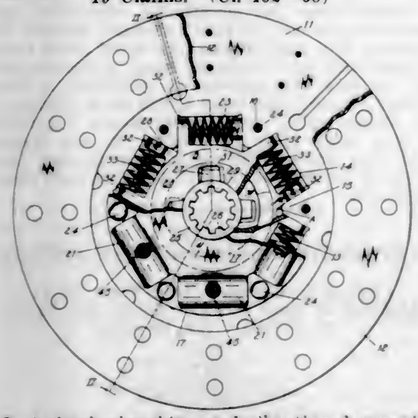
In a loose leaf binder of the character described provided with a cover including a back panel member; a book-like body within the cover which comprises toggle actuated loose leaf mechanism, a housing for said toggle mechanism, side and bottom wall members forming with the bottom of said toggle housing a tubular member, the bottom wall of said tubular member being secured to said back panel member and supporting and reenforcing the latter, closure walls for the ends of said tubular member to form with the latter a closed chamber, at least one of the said walls of the so formed chamber being movable to provide access to the chamber.

2,097,627

VIBRATION DAMPENER

Robert P. Lewis, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia

Application July 26, 1933, Serial No. 682,331
19 Claims. (Cl. 192—68)



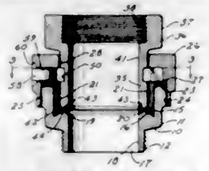
3. A shock absorbing and vibration dampening mechanism comprising a force transmitting element; members mounted for movement relative to each other and to said element; lugs on said members, the lugs of each member being arranged to form complemental pairs with the lugs of an adjacent member; and springs mounted between said complemental pairs of lugs, said element being provided with recesses to receive said springs and associated lugs.

2,097,628

COUPLING

Frederick Charles Liebhardt, San Marino, Calif.

Application August 2, 1935, Serial No. 34,416
8 Claims. (Cl. 285—173)



1. In a coupling including a male member and a female member adapted to form when united a fluid passage through said coupling, locking and unlocking means comprising an annular groove in said male member, a pair of arcuate elements circumferentially disposed within said female member and adapted to contract into said groove when said male member is inserted in operative position within said female member, and a cylindrical cam rotatable about an axis substantially parallel to the axis of said coupling and adapted to cooperate with a pair of contiguous ends of said elements to spread apart said contiguous ends and expand said elements out of said groove to permit withdrawal of said male member.

2,097,629

PUMP

George A. Lowrey, Pelly, Tex., assignor to Hall and Lowrey, Incorporated, Goose Creek, Tex., a corporation of Texas

Application March 24, 1934, Serial No. 717,251
1 Claim. (Cl. 103—225)



In a pump having a working barrel, a traveling valve mechanism in the barrel comprising an elongated tubular body having an approximately uniform liquid passageway therethrough, a sucker rod to which the body is attached and by which the body may be reciprocated, an upwardly opening valve in the upper end of the body controlling the flow of liquid upwardly through the body, guide means for controlling said valve comprising a plunger, the upper end of said plunger being reduced, in diameter, and the lower end of which is formed to fit over said valve, a channel across said lower end, a coil spring about said plunger, a cylinder in the upper end of the traveling valve in which the upper end of the plunger works, a stop on said plunger,

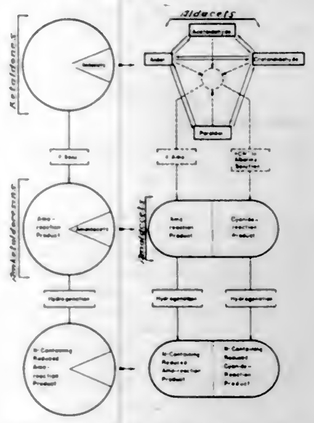
limiting the upward movement thereof a plurality of inlets at the lower end of said passageway forming a vane having spiralled walls and forming the only obstruction in the passageway.

2,097,630

PLATING OF CADMIUM

George Lutz, Rocky River, Ohio, assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 17, 1935, Serial No. 45,426
17 Claims. (Cl. 204—1)



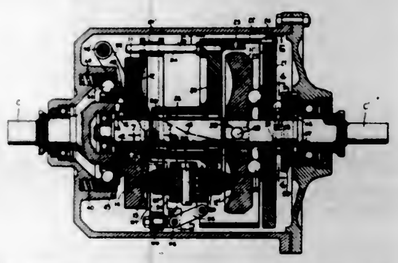
1. A cyanide-cadmium plating composition containing a hydrogenated amketaldoresin, the extent of hydrogenation being of the magnitude of the hydrogenation obtainable by the addition of zinc dust to the amketaldoresin in alkaline solution, an amketaldoresin being, as herein set forth, a pre-reacted compound prepared by reacting a ketaldone with an amo in alkaline solution.

2,097,631

POWER TRANSMISSION MECHANISM

Alain Madlé, New York, N. Y., assignor to Erban Operating Corporation, New York, N. Y., a corporation of New York

Application December 9, 1932, Serial No. 646,458
18 Claims. (Cl. 74—200)



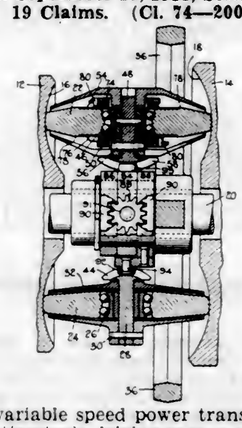
1. A transmission comprising torque-transmitting members, races associated with said members so as to transmit torques passing through said members, a system of rollers in adhesive rolling contact with said races so as to transmit torques therebetween, and a mounting for said races whereby they are made automatically self-aligning about a common center.

2,097,632

POWER TRANSMISSION MECHANISM

Alain Madlé, Bristol, Conn., assignor to Erban Operating Corporation, New York, N. Y., a corporation of New York

Application September 19, 1933, Serial No. 690,073
19 Claims. (Cl. 74—200)



1. In a variable speed power transmission system, a rotating toric driving race, a rotating toric driven race, rolling bodies in adhesive contact with said races and adapted to transmit power therebetween, two of said rolling bodies being each rotatable on a support mounted within a frame so as to be tiltable about an axis parallel to the line joining the points of contact between said races and rolling bodies and spaced outwardly from said line in relation to the rolling bodies, and each of said frames being mounted for tilting about an axis in the plane of the roller it carries and said axis being perpendicular to the first-mentioned axis, and whereby when said roller support tilts about its axis, said rollers are caused to shift their plane of rotation and by their motion along the race surfaces to tilt about said second axis, a pair of elements each mounted to pivot about the axis of said races and each in slidable engagement with the support of one of said rolling bodies, a member engaging the said elements associated with the respective rolling bodies and adapted to cause both to move in unison about said first-mentioned axis without destroying their freedom to move oppositely to each other; and said member being in slidable engagement with the supporting shaft of a master roller, whereby movements of the master roller shaft will be transmitted to said member and to said elements to cause said rolling bodies to move in unison without affecting their freedom to move oppositely about said first-mentioned axis.

2,097,633

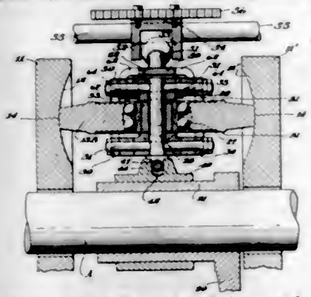
TRANSMISSION MECHANISM

Alain Madlé, Bristol, Conn., assignor to Erban Operating Corporation, New York, N. Y., a corporation of New York

Original application November 3, 1933, Serial No. 696,455. Divided and this application March 13, 1936, Serial No. 68,684
11 Claims. (Cl. 74—200)

1. In a power transmission system having a pair of coaxial, toric races, one of which is the driving member, and the other the driven member, and a system of rolling bodies between said races and in adhesive contact therewith, whereby power is transmitted between said races; a mounting for each of said rollers comprising a

pivoted frame adapted to tilt about an axis perpendicular to the line passing through the contact points between the roller and the races and lying in the plane of rotation of the roller for varying the speed ratio of the transmission, and means for mounting said roller within said frame for rotation therein and for angling about an axis angularly related to the axis of tilting, a pair



of elements pivotally carried by each of said frames, said elements being positioned on opposite sides of the axis of rotation of the roller, each element comprising, at each side of its pivot point, a contact portion adapted to engage the roller, whereby said elements will be adapted, by contacting with the surface of the roller, to maintain the roller in a central position in relation to the frame.

2,097,634

METHOD FOR THE PRODUCTION OF POROUS SILICA GEL

Jacques Malan and George Gordon Hannington Malan, Somerset West, Union of South Africa, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 11, 1935, Serial No. 10,586. In Great Britain March 28, 1934

13 Claims. (Cl. 23—182)

1. A process of preparing a silica gel which includes the steps of forming a silicic acid hydrogel having particles of precipitated sulphur uniformly dispersed therein, drying the said gel and heating the same to a temperature sufficient to remove the sulphur.

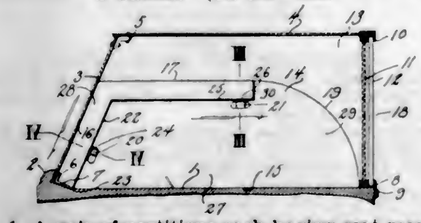
2,097,635

MULTIPLE COMPARTMENT MERCHANDISE DISPLAY

Louis H. Mayo, Toledo, Ohio, assignor to The Toledo Show Case Company, Toledo, Ohio, a corporation of Ohio

Application October 2, 1936, Serial No. 103,837

2 Claims. (Cl. 312—118)



1. A pair of partitions each having seat means inward from two of its diverging edges, and a spacer for the partitions having complementary projections below one portion and at the rear of the other portion of the spacer for registering with the seat means to locate the spacer inset from the partition edges and providing an upward and horizontal clearance with the spacer as a support between the partitions, abutting each partition throughout the common extent therewith.

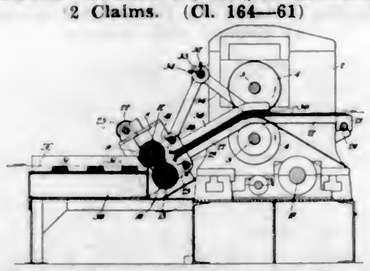
2,097,636

CUTTING DEVICE

Carl E. Moore, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

Application December 30, 1935, Serial No. 56,800

2 Claims. (Cl. 164—61)



1. Apparatus for cutting a moving sheet comprising sheet feeding means, at least one rotary shear, and a guide in advance of said shear, said guide being spaced from said shear and constructed and arranged to impart a longitudinally extending arc to said sheet at its point of contact with said shear, the radius of said arc being substantially that of the radius of the most adjacent cutting element of said rotary shear.

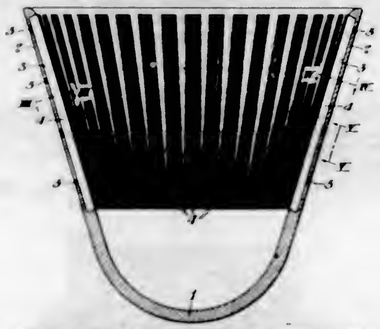
2,097,637

WALL SUBJECTED TO HIGH TEMPERATURES

Alfred Osolin, Shaker Heights, Ohio

Application November 13, 1936, Serial No. 110,770

5 Claims. (Cl. 266—39)



1. A wall subjected to high temperatures, that is characterized by including a plurality of relatively thin metal pieces arranged with their edges toward the high temperature and provided with mounting means permitting their individual movement to at least some degree.

2,097,638

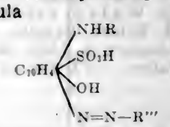
AZO COMPOUNDS AND THEIR PRODUCTION

James P. Penny, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

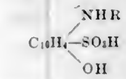
No Drawing. Application March 13, 1933, Serial No. 660,465

10 Claims. (Cl. 260—92)

1. A composition of matter comprising an azo coloring matter corresponding in the free state with the formula



in which R represents a radical of the group consisting of aryl and aralkyl radicals, and R''' represents a radical comprising the xylyl-group, the radicals R and R''' being free from an acid salt-forming group, which azo coloring matter is obtainable by coupling a diazo xylene compound free from an acid salt-forming group, in an alkaline medium, with an amino naphthol sulfonic acid corresponding in the free state with the formula



in which R represents a radical of the group consisting of aryl and aralkyl radicals, said radical being free from an acid salt-forming group.

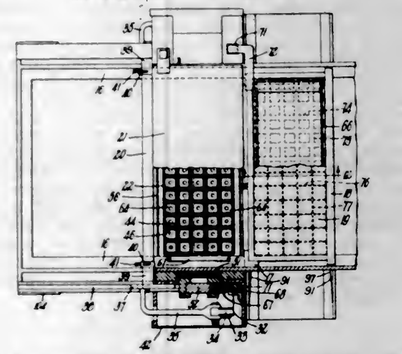
2,097,639

MACHINE FOR CUTTING COMB HONEY

Arnold Perreton, Durham, N. H.

Application December 30, 1935, Serial No. 56,647

20 Claims. (Cl. 107—21)



1. A machine for cutting comb honey comprising, in combination, a frame, means to feed a piece of comb honey into cutting position upon said frame, a heating medium, a knife exposed to said heating medium, means to raise said knife to cut said comb honey, and means to engage the comb honey between incisions therein while the knife is being withdrawn downwardly therefrom and thereby prevent movement of the comb honey in unison with the knife.

2,097,640

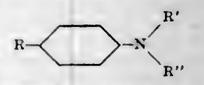
QUATERNARY AMMONIUM COMPOUNDS

Henry Alfred Piggott, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application March 23, 1934, Serial No. 717,113. In Great Britain March 27, 1933

18 Claims. (Cl. 260—99.12)

1. A process for producing complex nitrogen-containing compounds which comprises reacting a compound having the following general formula:



wherein R represents a straight chain aliphatic hydrocarbon radical of from 10 to 18 carbon atoms which is connected to the phenylene nucleus by means of a grouping selected from the class consisting of ether, amino and ketone groupings, R' represents a lower alkyl group, and R'' represents a member of the class consisting of hydrogen and lower alkyls, with an inorganic ester containing a group selected from the class consisting of alkyl and aralkyl groups having not more than 7 carbon atoms.

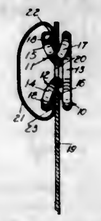
2,097,641

SPRING FASTENER

Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.

Application April 8, 1933, Serial No. 665,201

9 Claims. (Cl. 85—5)



7. A spring fastener complete in itself and of the turn-engagement type for securing superposed members consisting of a flat head formed from the mid-portion of a strip of spring metal and a pair of holding elements projecting away from said head and formed from the ends of said strip, each of said holding elements including a resilient portion providing shoulders approximately parallel to the plane of the head, each of said portions being slightly inclined with respect to said plane from one lateral edge of each portion toward the opposite lateral edge whereby upon rotation of said fastener relative to said members with said members between said head and shoulders the members will be progressively wedged into firm contact with each other.

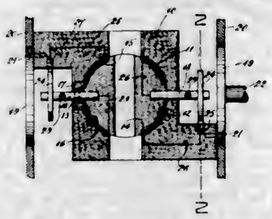
2,097,642

ELECTRICAL CONNECTER

John P. Putnam, Boston, Mass., assignor to The Reece Button-Hole Machine Company, Boston, Mass., a corporation of Maine

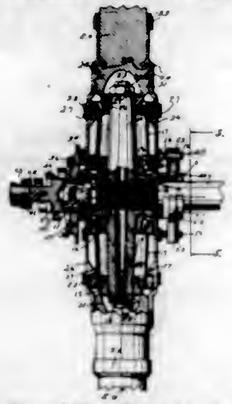
Application February 12, 1936, Serial No. 63,526

3 Claims. (Cl. 173—81)



1. As an article of manufacture, a means for electrically connecting two relatively-movable current-carrying members consisting of a flat spiral of conducting material having two sets of oppositely-directed serially-connected convolutions, one set surrounding the other and one terminal of said spiral being the inner end of the inner set of convolutions and the other terminal being the outer end of the outer set of convolutions.

2,097,643
ADJUSTABLE PITCH PROPELLER
Frank Raggio, San Francisco, Calif.
Application April 21, 1931, Serial No. 531,696
Renewed April 22, 1935
9 Claims. (Cl. 170—162)



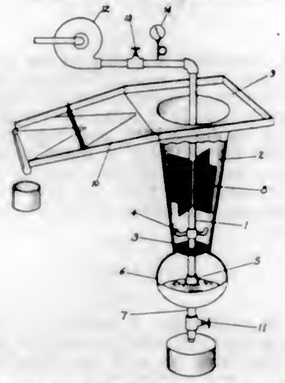
1. A propeller of the character described comprising a hub, radial spindles extended from the hub, a socket on each spindle extended beyond the outer end of the latter, means rotatably secured on each spindle on which the socket is journaled so as to be held against displacement radially to the hub; a propeller blade in each socket abutting the end of the spindle, each socket being split and having internal engaging elements formed therein, the inner end of each blade being formed to complement and engage said elements, means to fixedly clamp the sockets over said rotatable means and over the ends of the respective blades; means on the hub common to all the sockets to convey the turning movement of one socket to the other, but in an opposite direction.

2,097,644
DIE
Harvey W. Riddle, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 18, 1935, Serial No. 50,462
1 Claim. (Cl. 117—50)



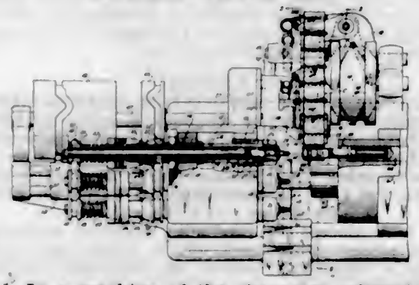
A rotary die for metal cable or rope stranding machine, said die having a bore constructed and arranged to provide a forming chamber at the entering end and the remainder of said bore comprising a twisting and compacting chamber or zone, said bore being provided with a plurality of grooves in the walls thereof, said grooves equaling in number the outer strands of the cable or rope to be formed and having a spiral contour conforming to the spiral lay of the finished rope or cable to be formed by said die, said grooves and said bore flaring outwardly to provide said forming chamber, said forming chamber being adapted to receive the individual strands going to make up the cable or rope and guide them into said twisting and compacting chamber and said twisting and compacting chamber having a maximum diameter of not more than the finished cable, said die being adapted to be rotated to twist said strands around a core.

2,097,645
SEA WATER FILTER
John H. Ritter, Seattle, Wash.
Application January 4, 1935, Serial No. 373
3 Claims. (Cl. 209—183)



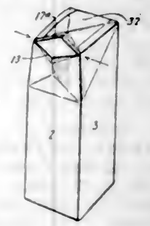
1. In apparatus for recovering mineral values from water which contains such mineral values, a mercury receptacle; mercury in said receptacle; an upright tubular water overflow column connected with said mercury receptacle; a water feed pipe extending into said mercury receptacle; means supplying water which contains mineral values under pressure to said water feed pipe; a water spray nozzle on said water feed pipe positioned to deliver a spray of water which contains mineral values into the mercury in said mercury receptacle; nozzle jet means connected with said feed pipe and positioned to jet water into said tubular column in a generally tangential direction imparting a spiralling motion to the water flowing upwardly through said tubular column; and relatively fixed vertical screens provided in said tubular column above said nozzle jet means in the path of the spirally moving water, whereby floured mercury in said water will be collected by said screens as the water passes repeatedly through the screens.

2,097,646
METALWORKING MACHINE
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application November 2, 1934, Serial No. 751,213
13 Claims. (Cl. 29—38)



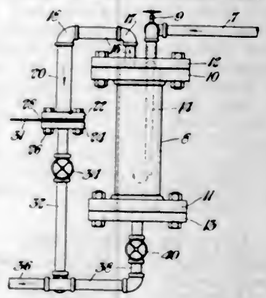
1. In a machine of the character referred to the combination of a rotatable spindle, an arbor on said spindle adapted to support a work blank, an endless conveyor supported adjacent the spindle adapted to support a plurality of work blanks, means for periodically moving said conveyor to present a work blank in axial alignment with said arbor, a member slidably supported in axial alignment with the spindle, means for reciprocating said member in predetermined timed relation to the movement of said conveyor whereby a work blank is transferred from said conveyor to said arbor, and means for ejecting work blanks from said arbor.

2,097,647
CLOSURE FOR PAPER CONTAINERS
Audrey K. Scott, Toledo, Ohio
Application September 21, 1936, Serial No. 101,689
7 Claims. (Cl. 229—17)



1. A closed container for fluid substances having at its top portion opposed inwardly compressible side parts and also having intermediate top and side parts normally in container-closing position and outwardly movable by an inward compressing of said opposed parts to open the container and form a pouring spout.

2,097,648
CONTINUOUS BLOW-OFF FOR STEAM BOILERS
Harry Frederick Shaw, Clairton, Pa.
Application July 30, 1936, Serial No. 93,475
2 Claims. (Cl. 122—382)



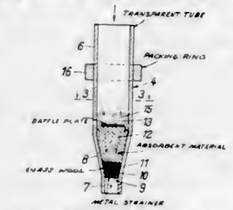
1. Blow-off means for steam boilers comprising a chamber, means adapted to feed a continuous stream of water to said chamber from a point near the bottom of a mud drum which is connected to a boiler, means adapted to introduce said water stream into said chamber near its bottom, overflow means in the top of said chamber whereby water flows from said chamber when it is full, discharge means for said overflow water, readily removable means connecting said overflow means and said discharge means and a plate having a circular portion provided with an orifice therethrough adapted to fit between said removable means and align said orifice with said overflow and said discharge means, said plate being provided with a handle portion for facilitating the proper positioning of said orifice.

2,097,649
METHOD OF AND MATERIAL FOR TREATING BOILER WATER
Thorvald A. Solberg, United States Navy
No Drawing. Application December 31, 1935, Serial No. 56,999
12 Claims. (Cl. 87—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of treating boiler water which comprises maintaining in said water, by the addition of starch alone, a starch in a proportion substantially not less than seven ounces of starch for each pound of calcium in said water.

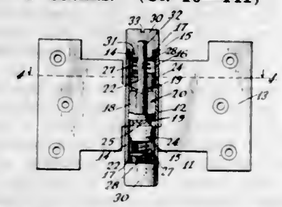
11. A composition for treating boiler water consisting of substantially 75 per cent trisodium phosphate, 20 per cent soda ash, and 5 per cent starch.

2,097,650
DEVICE FOR DETECTING THE PRESENCE OF FOREIGN GASES OR SUSPENSIONS IN AIR OR GASEOUS MEDIUM
Gerhard Karl Emil Heinrich Stampe, Lubeck, Germany, assignor to Otto Heinrich Drager, Lubeck, Germany
Application July 8, 1935, Serial No. 30,372
In Germany July 14, 1934
6 Claims. (Cl. 23—254)



6. A device for use in detecting gas comprising a tubular container capable of having gas flow therethrough, at least one transparent section in said container, a layer of material for adsorbing the gas to be detected disposed within said container adjacent to said transparent section, baffle means so placed as to force the flow of a gaseous medium containing the gas to be detected toward and through a portion at the periphery of the adsorbing layer adjoining and visible through said transparent section.

2,097,651
RATCHET HINGE
Peder O. Stangeland, Los Angeles, Calif., assignor of one-half to Myer C. Cohen, Los Angeles, Calif.
Refiled for abandoned application Serial No. 243,058, December 28, 1927. This application December 7, 1936, Serial No. 114,658
5 Claims. (Cl. 16—141)



1. A hinge comprising in combination a first leaf having a first hub with a ratchet fixed therein, a second leaf having a second hub adjacent thereto with a ratchet slidable but non-rotatably

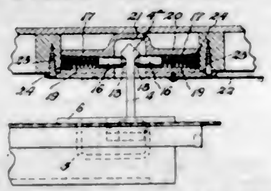
mounted therein, a spring bearing on the slidable ratchet, a washer bearing on the spring, a pintle extending through said ratchets, spring and washer, a nut threadedly secured to a hub of one of the leaves, said nut having a socket, the end of the said pintle fitting in said socket.

2,097,652
BALL AND CUP GAME
Willy Vater, Leipzig, Germany
Application December 10, 1936, Serial No. 115,062
In Germany December 27, 1935
4 Claims. (Cl. 273—96)



1. A ball cup for ball and cup games in which a ball is thrown from a cup, said cup being open at its upper and lower ends, and being provided with a U-shaped handle of spring material within the cup and extending downwardly therefrom, one leg of said handle being secured at its upper end to said cup and the other leg having its upper end free within the cup, both of said legs being shaped at a point adjacent the lower end of said cup to define a ball clamp, said handle being arranged to be squeezed in the hand of a user to release a ball as the ball is being thrown from the cup.

2,097,653
DOOR HOLDER
Roy E. Williams, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application June 19, 1936, Serial No. 86,183
1 Claim. (Cl. 292—16)

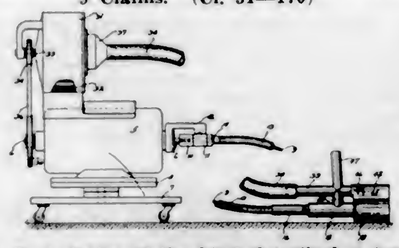


In a door holder of the class described, in combination, a latch casing adapted to be set into a door so that its outer portion is flush with the outer surface of the door, a latch member pivotally mounted in said casing and movable to a position in which it lies substantially within the casing and flush with the outer portion thereof, and also movable into position at right angles to that above mentioned, in which it projects from the casing and is operative as a holding member under such conditions, said latch casing being provided with a hand hole, the space of which extends to a point adjacent the inner side of the latch member, so that the fingers of the hand may be introduced into said hole to force the latch member outwardly to its operative projecting position, said latch member having an enlarged head, and catch means adapted to be secured to a support for cooperation with said latch member.

2,097,654
POLISHING ARTICLE
Charles E. Wooddell, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
No Drawing. Application March 19, 1934, Serial No. 716,327. In Germany November 2, 1932
6 Claims. (Cl. 51—280)

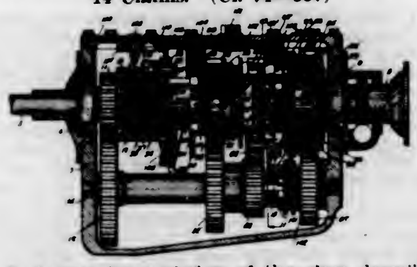
1. A method of making a polishing article which comprises forming a dry mix consisting essentially of an intimate mixture of finely divided polishing powder and a finely powdered normally solid fusible resin and compacting the mixture under pressure and without application of heat throughout the mixture, reducing the pressure on the compacted mixture to not more than that required to maintain the desired shape, heating the mixture under the reduced pressure to soften the resin particles to cause them to adhere to the adjacent particles of powder and to agglomerate and harden the mixture.

2,097,655
SURFACE GRINDER
Artudo De Marchi and David A. Sandin, St. Paul, Minn.
Application January 16, 1937, Serial No. 120,922
9 Claims. (Cl. 51—170)



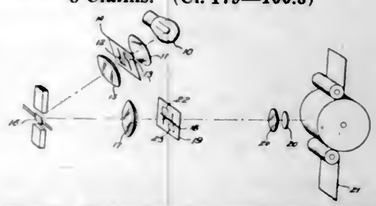
1. In a device of the kind described, a truck, a motor mounted on said truck for horizontal swivelling movements, an extended flexible transmission shaft driven from said motor, a grinding wheel connected to and driven from the extended end of said flexible shaft, a suction fan mounted on said motor for oscillatory movements therewith, means driving the rotor of said fan from the rotor of said motor, a suction tube associated with the extended end of said transmission shaft and connected to the intake of said fan, by a flexible air tube, and a nozzle head swivelled to the end of said suction tube and closely associated with said grinding wheel.

2,097,656
AUTO TRANSMISSION
Ernesto Diaz Diaz, Habana, Cuba
Application February 27, 1935, Serial No. 8,461
14 Claims. (Cl. 74—337)



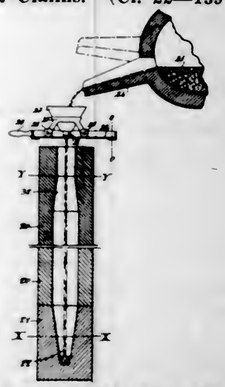
1. A gear transmission of the class described comprising a power shaft, a driven shaft, a plurality of gears loosely mounted on said driven shaft, a supplemental shaft having connection with said power shaft, a plurality of gears fixedly mounted on said supplemental shaft in constant mesh with said gears on the driven shaft, a drive wheel splined on said driven shaft, a claw clutch normally connecting one of said gears on the driven shaft with said drive wheel and means for connecting said other gears on the driven shaft with said drive wheel including over-running clutches operable upon variation in the speed between said power and driven shaft.

2,097,657
PHOTOGRAPHIC RECORDING OF SOUND
Glenn L. Dimmick, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 23, 1935, Serial No. 32,734
8 Claims. (Cl. 179—100.3)



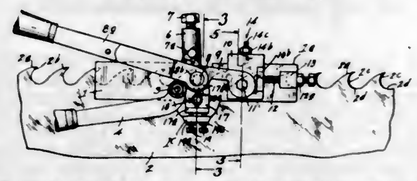
1. In an apparatus for producing a photographic sound record having relatively small exposed areas, the combination of means forming a light slit, means for producing at said slit a light image triangularly-shaped and extended at its vertex to ensure continuous illumination of said slit, and means for vibrating said image transversely of said slit in accordance with the sound to be recorded.

2,097,658
APPARATUS TO BE USED IN CASTING METAL
William F. Eppensteiner, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application September 22, 1934, Serial No. 745,062
2 Claims. (Cl. 22—139)



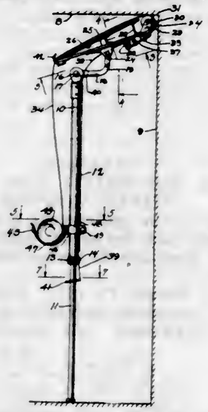
1. An open top, vertical mold, of a form adapted for use in the casting of copper wire bars, comprising copper castings united to form a matrix several diameters in length, with inwardly flaring upper and lower portions, the mold comprising sections separable along a dividing plane disposed transversely with respect to its longitudinal axis and lying between the parts thereof which enclose the inwardly flaring portions of the matrix, the portions of the matrix of reduced cross-sectional dimensions being of lengths greater than the desired lengths of the tapered end portions of the wire bar to be cast, whereby the part cast in the upper end of the mold and the part cast in the bottom of the reduced portion of the matrix in which the initial pool of metal is formed at the commencement of the pouring of a casting, may be cropped off and leave a bar having tapered portions at its opposite ends.

2,097,659
SAW SWAGE
Arthur M. Ferrari and George M. Hoffman, Algoma, Oreg.
Application January 15, 1936, Serial No. 59,268
8 Claims. (Cl. 76—54)



1. In a saw swage provided with a head, a die mounted for rotatable movement therein and an anvil arranged in operative relation therewith, a handle for rotating said die and means for securing said head to a saw blade, said die having a swaging portion arranged eccentrically to the axis of rotation of said die and devices for moving said die while rotating in said head along a curved path non-coincident with the path described by the swaging portion of the die.

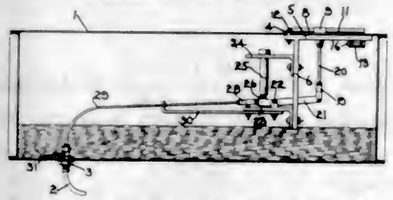
2,097,660
PAPERHANGING MACHINE
Arthur E. Gordon, West Portal, Colo.
Application May 17, 1937, Serial No. 142,996
9 Claims. (Cl. 216—7)



1. In a paper hanging machine, in combination, a handle, a table supported thereon for pivotal movement about an axis substantially perpendicular to the handle, spring means for normally holding the table in a predetermined rotary position relative to the pivot while permitting rotation about the pivot in either direction, means at one end of the table for guiding the paper, means

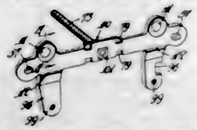
at the other end of the table for releasably securing the end of a strip of paper thereto, means at the last mentioned end for pressing the paper against a surface and means for releasing the strip securing means.

2,097,661
GASOLINE TANK LOCK
David F. Hammond, Grand Rapids, Mich.
Application May 25, 1936, Serial No. 81,660
5 Claims. (Cl. 137—21)



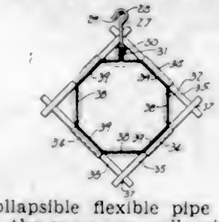
1. In combination with a gasoline supply tank having a gasoline outlet at its bottom and a filler opening at its top, a mounting plate secured on the inside of the tank adjacent the said filler opening therein, a depending portion extending from one side of the mounting plate, a bracket mounted at the lower end of the said depending portion and extending laterally therefrom, a supporting bar mounted upon the said laterally extending bracket and likewise extending laterally toward the said gasoline outlet, means at the end of the said supporting bar to form a journal, a relatively long rod having valve means thereon immediately above the said outlet, said rod extending through the said journal to a position above the said bracket, pivot means mounted upon the said bracket, an operating bar mounted upon said pivot means, means connecting the adjacent ends of the operating bar and the relatively long valve operating rod, a vertical positioned rod extending through the said mounting plate, means pivotally connecting the lower end of the vertical rod onto the free end of the operating bar, spring means to move the several associated elements so that the outlet valve is normally open, and means located exteriorly of said gasoline supply tank adjacent the said inlet opening and movable to a position against the upper end of the vertically movable operating rod whereby the same may be moved downwardly against the action of said spring means to cause closing of the said valve means.

2,097,662
UNIVERSAL MOUNTING FOR WINDSHIELD WIPER MOTORS
Earle V. Hennecke and David Kuskin, Flushing, N. Y., assignors, by direct and mesne assignments, to Franklin J. Foster, New York, N. Y., as trustee
Application August 23, 1933, Serial No. 686,394
Renewed March 29, 1937
5 Claims. (Cl. 15—255)



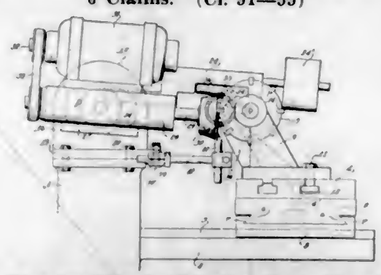
2. The combination with a windshield wiper motor having a pair of spaced internally threaded members adapted to receive mounting parts, of adaptor means for securing said motor upon a car adjacent the windshield thereof, said adaptor means including a bar, means engageable with the threaded members and bar for holding the bar and motor together, means associated with the bar for anchorage on or adjacent the windshield frame, the intermediate part of said bar having portions punched out to afford notches in one face of the bar and projections on another face of the bar to a correspondingly notched spacer plate adapted for nesting with the notches or projections of the bar and space the motor at the desired distance from the windshield.

2,097,663
NONCOLLAPSING FLEXIBLE PIPE
Henry J. Hersey, Jr., Seattle, Wash., and Daniel B. Mikesell, Warsaw, Ind.
Application June 25, 1936, Serial No. 87,246
7 Claims. (Cl. 138—54)



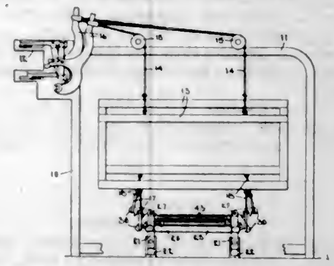
1. A collapsible flexible pipe and means for rendering the same non-collapsing, including in combination, a pipe made of flexible material, a plurality of rigid frames spaced apart from one another along the length of the pipe, each frame consisting of a plurality of rigid members encircling the girth of the flexible pipe, and a group of girth loops for each frame suitably attached to the pipe, each of the said loops being relatively short and adapted to slip over the respective rigid members of the corresponding frame independently of one another while the pipe is inflated, for the purpose of preventing the collapsing of the flexible pipe when deflated.

2,097,664
GRINDING MACHINE FOR REAMERS AND LIKE TOOLS
Albert C. Hoeh, Royal Oak, Mich.
Application October 26, 1931, Serial No. 571,080
6 Claims. (Cl. 51—55)



1. In a machine for grinding the cutting faces of cutting tools of the reamer type, wherein the cutting face is formed with a cutting edge and its clearance face, a driven grinding wheel of the cup-shaped type and mounted to cause its grinding face to be operative on a plane extending normal to the wheel axis, a work support adapted to present the work to the grinding face with the length dimension of the face to be ground extending substantially in correspondence with or parallel to a diameter of the wheel grinding face, with the support movable in the direction of length of the work face, and means for supporting the grinding wheel to swing about an axis extending parallel to and positioned remote from said grinding face diameter to permit swinging of the grinding face in a direction normal to such diameter, whereby the grinding face will traverse the work face transversely of the length of such work face to concurrently grind a zone of the contour and its clearance face with the clearance face complemental to the edge contour, the clearance angle of the zone being dependent upon the position of the wheel within its range of swinging movement, said wheel supporting means including control mechanism operative to cause controlled swinging movement of the wheel within the range of its swinging movement, whereby the edge contour and the clearance angle will be varied relative to the tool axis in the direction of length of the face with the variation in the direction of the tool radius.

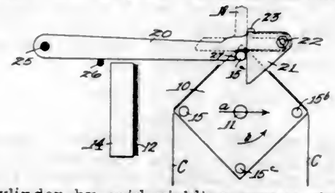
2,097,665
SPRING STAND FOR DOBBY LOOMS
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 2, 1936, Serial No. 83,089
3 Claims. (Cl. 139—89)



1. In a loom having a harness frame, a connector depending therefrom, a pivotal support, a lever on the pivotal support normally extending downwardly therefrom, a link having two spaced sections lying on opposite sides of the lever and connected to the latter at a point below the pivotal support, a hook pivoted to the link and lying between the sections and extending substantially horizontally, and a spring disposed horizontally and attached to the hook, the link to be held substantially horizontal by the spring as the lever swings upwardly about the pivotal support and the sections arranged to engage parts of the lever removed from said point and thereafter swinging about the pivotal support with the lever but without angular motion relatively to the lever, thereby stretching the spring, the hook moving pivotally with respect to the link and maintaining normal position relatively to the spring, the sections aligning the lever and hook and engaging the lever at points spaced in the direction of the axis of the lever.

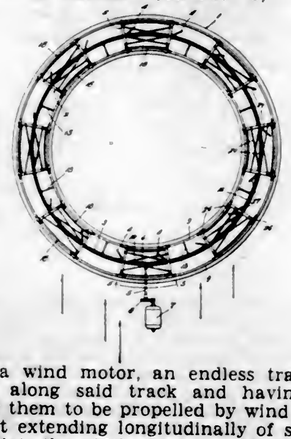
2,097,666
JACQUARD FEEDING MECHANISM
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 21, 1936, Serial No. 116,973
5 Claims. (Cl. 139—329)

1. In a Jacquard mechanism, a pattern card cylinder, yielding means to hold said cylinder in operative position, means to give said cylinder periodical angular advance movements, said latter means having an associated device effective to prevent free angular advance movement of



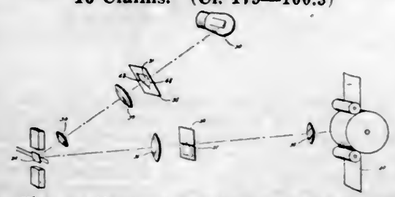
said cylinder by said yielding means during a major part of each advance movement.

2,097,667
WIND MOTOR
Claude R. Johnson, Hugoton, Kans.
Application December 14, 1936, Serial No. 115,865
5 Claims. (Cl. 170—6)



1. In a wind motor, an endless track, units movable along said track and having means adapting them to be propelled by wind pressure, a support extending longitudinally of said track intermediate the width thereof and having a portion formed with a cut-out, a sprocket chain slidable along said support and connected with said unit and moving with the unit, and a shaft for transmitting rotary motion to a generator rotatably mounted and extending transversely of the track under said support, and a sprocket wheel carried by said shaft with a portion extending through the cut-out and engaging the sprocket chain and adapted to cause rotary motion to be transmitted to the shaft from the sprocket chain when the units and the sprocket chain are in motion.

2,097,668
PHOTOGRAPHIC RECORDING OF SOUND
Edward W. Kellogg, Moorestown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 14, 1935, Serial No. 40,557
16 Claims. (Cl. 179—100.3)



1. The method of producing variable width photographic sound records having portions

wherein the unexposed area is relatively narrow, which includes conforming a light beam to a shape adapted to prevent fogging of said narrow areas, modulating said beam in accordance with the sound to be recorded, and applying said modulated beam to said record.

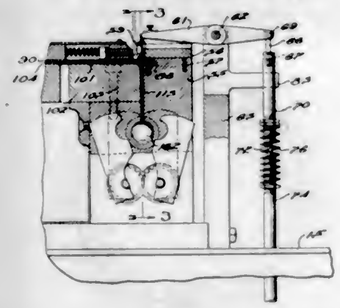
2,097,669

ROLLER BEARING ASSEMBLING MACHINE

Frank Ketcham, Dearborn, and George E. Dunn, Detroit, Mich., assignors to Universal Products Co., Inc., a corporation of Delaware

Original application March 30, 1933, Serial No. 663,444. Divided and this application September 30, 1935, Serial No. 42,766

14 Claims. (Cl. 198—218)



1. In a roller bearing assembling machine, means for supplying rollers, a duct communicating with said means for receiving rollers discharged therefrom, the duct having a longitudinally extending slot therethrough, a pair of pusher fingers extending into the slot for ejecting rollers from the duct, independent arms for actuating the pusher fingers, a link pivotally connecting the arms, and an actuating rod connecting the link intermediate the point of connection of the arms.

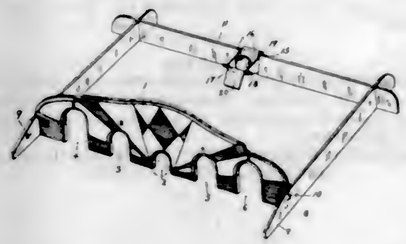
2,097,670

MARBLE GAME

Frederick H. King, Detroit, Mich.

Application January 12, 1935, Serial No. 1,453

8 Claims. (Cl. 273—127)



5. A marble target comprising a marble receiver pivoted for upward actuation to dislodge a marble therefrom, an arm downwardly projecting from such receiver for effecting marble-releasing actuation of the receiver, and a member pivotally mounting the receiver and comprising portions laterally adjacent to the receiver to assist in normally retaining a marble thereupon.

2,097,671

METHOD OF MAKING A POROUS BEARING MATERIAL

Roland P. Koehring, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application December 23, 1933, Serial No. 703,835

5 Claims. (Cl. 75—22)

1. The method of making a rigid porous bearing structure from metal powders, comprising: intimately mixing zinc stearate powder with the metal powders to form a substantially homogeneous mix, compressing the mix into a briquette in a mold under pressure, removing the compressing pressure and then subjecting the formed briquette to a temperature which will decompose and substantially drive off the zinc stearate in gaseous form leaving voids in the briquette, and then continuing the heating for a time and at a temperature which will cause the metal particles to sinter together and form a rigid porous structure.

2,097,672

ANTHRAQUINONE DERIVATIVES

Frank Lodge, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 4, 1934, Serial No. 742,581. In Great Britain September 6, 1933

4 Claims. (Cl. 260—60)

1. As a new composition of matter a 1-alkylamino-4-arylamino-2-anthraquinonesulfonic acid.

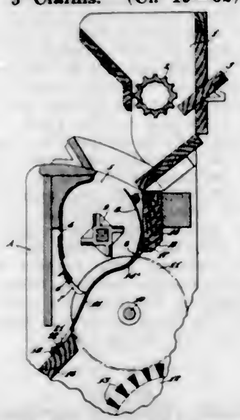
2,097,673

TEXTILE MACHINE

Robert W. McLean, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a corporation of Massachusetts

Application December 31, 1935, Serial No. 56,845

5 Claims. (Cl. 19—62)



5. A grate-fall comprising a unitary structure including parallel top and bottom rail members, a plurality of spaced, parallel independent bars, the upper and lower ends of each bar abutting the top and bottom rail members, respectively, each bar being locally hardened adjacent to the ginning point and having a recess in its upper face adjacent to the ginning point, welding metal permanently and rigidly uniting each bar at its upper and lower ends, respectively, to the respective rail members, and a guard plate overlapping the junction of the bars with the upper rail and having its lower edge seated in the recesses of the several bars, said lower edge of the guard plate extending uninterruptedly from one bar to the next closely adjacent to the ginning point.

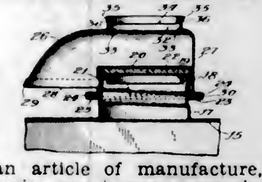
2,097,674

COMBINED CAP AND SPOUT FOR LIQUID DISPENSING CONTAINERS

Olof G. Nilson, Chicago, Ill.

Application May 27, 1936, Serial No. 82,099

20 Claims. (Cl. 221—23)



1. As an article of manufacture, a closure cap, a pouring spout, means securing them together against separation for relative rotation, and means for selectively securing them to the discharge nozzle of a dispensing container.

2,097,675

COLORING ACETATE ARTIFICIAL SILK

Cecil Shaw, Grangemouth, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 28, 1936, Serial No. 108,100. In Great Britain October 30, 1935

4 Claims. (Cl. 8—5)

1. The process for coloring materials comprising cellulose acetate which comprises applying thereto an aqueous dispersion of a Bz-1-alkoxybenzanthrone in which the alkoxy group contains from 2 to 5 carbon atoms.

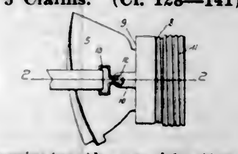
2,097,676

HEAD BAND ATTACHMENT FOR RESPIRATORS

Harry F. Shindel, Reading, and Allen D. Brandt, Wyomissing, Pa., assignors to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania

Application June 4, 1935, Serial No. 24,834

5 Claims. (Cl. 128—141)



1. In a respirator the combination with a face mask of flexible material having an air inlet provided with a surrounding flange, of a flanged mask extension and head-band attaching means jointly secured to the mask by clamping engagement of the flanges.

2,097,677

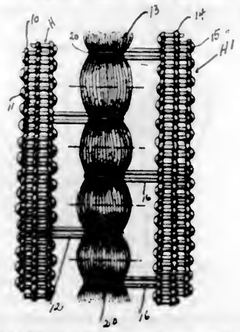
METHOD OF MAKING ORNAMENTAL MATERIAL

Max Sokoloff, Brooklyn, N. Y., assignor to Hy-Art Novelty Co. Inc., New York, N. Y., a corporation of New York

Application July 12, 1937, Serial No. 153,169

9 Claims. (Cl. 66—170)

1. In a method of making ball fringe or the like, those steps which consist in forming a header strip, connecting a warp rope to said header strip at spaced intervals during said formation



and cutting said warp rope intermediate said connections whereby sections of said warp rope will be suspended from said header strip.

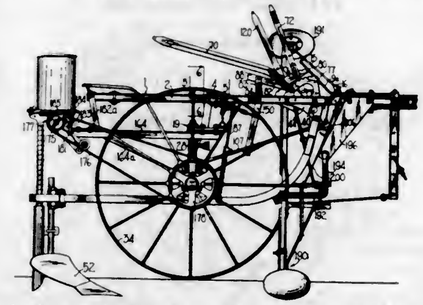
2,097,678

CULTIVATOR AND PLANTER

Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois

Application November 3, 1933, Serial No. 696,481

23 Claims. (Cl. 111—60)



1. An agricultural implement comprising, in combination, a main frame, supporting means therefor, a tool beam movably connected with the main frame, means for raising and lowering said beam, seed selecting mechanism pivotally connected with said frame separately from said beam and extending to a point in the path of movement of the latter, and means interconnecting the seed selecting mechanism with the tool beam for raising the seed selecting mechanism out of the way of the tool beam when the latter is raised.

2,097,679

ELECTRIC INCANDESCENT HIGH PRESSURE GAS LAMP

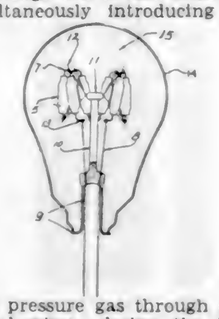
Harold Swanson, Cleveland, Ohio

Application September 18, 1934, Serial No. 744,598

6 Claims. (Cl. 176—16)

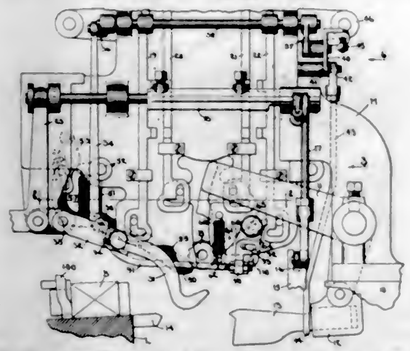
6. In an electric incandescent filament lamp, the method of making a high pressure gas filled lamp, comprising, making a thick wall pressure restraint glass bulb, making electric leads of two hollow metal wires having fluid pressure openings, making an electric incandescent lamp filament, securing said filament to said hollow metal wires, hermetically sealing said hollow metal wires through the wall of said bulb with

said openings and said filament within said bulb, exhausting the air from the interior of said bulb through one of said hollow metal wires while simultaneously introducing a predeter-



mined high pressure gas through other of said hollow metal wires, closing the hollow metal wires near the external ends air tight to retain said high pressure gas within said bulb.

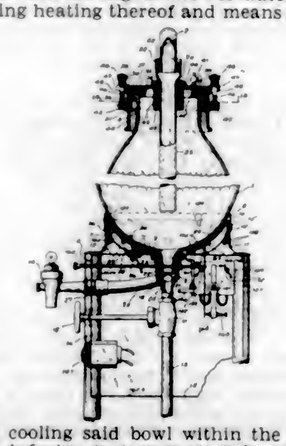
2,097,680
BOBBIN RELEASE FOR WEFT REPLENISHING LOOMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 1, 1936, Serial No. 82,830
12 Claims. (Cl. 139—232)



1. In a weft replenishing loom, a lay movable back and forth therein, rear bobbin supports having downwardly and forwardly inclined surfaces to assist in supporting a bobbin in transfer position over the lay when the latter is forward, front yieldable supports for the bobbin in transfer position, and means movable by a force derived from the lay to move the front supports forwardly to release an untransferred bobbin, the latter thereupon rolling downwardly and forwardly along the rear supports along a path extending forwardly with respect to the lay.

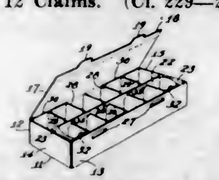
2,097,681
COFFEE MAKER
Frank E. Wolcott, West Hartford, Conn., assignor, by mesne assignments, to The Silex Company, a corporation of Connecticut (1936)
Application October 7, 1931, Serial No. 567,453
Renewed April 13, 1936
84 Claims. (Cl. 219—43)

6. The combination with a vacuum type coffee maker having operatively inter-connected water and coffee bowls, of heating means for said water bowl for effecting transfer of liquid therein for infusion in said coffee bowl, infusion controlling mechanism controlling the temperature of said water bowl and having means for automatically interrupting heating thereof and means for auto-



matically cooling said bowl within the limits of a normal infusion to terminate infusion in said coffee bowl and effect the return of the liquid coffee to said water bowl, and water supply and brewed coffee discharge connections for said water bowl.

2,097,682
CONTAINER
Gustav E. Andersen, Stavanger, Norway
Application September 7, 1935, Serial No. 39,649
In Norway April 18, 1931
12 Claims. (Cl. 229—29)

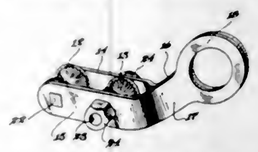


1. A container formed with a plurality of cells therein and comprising a base, integral front, back and ends on the base, a transverse partition connected integrally at one side of each end of the container by a spacer substantially two cells long, a transverse partition connected integrally with the other side of each end of the container by a spacer substantially one cell long, a centrally positioned transverse partition formed integrally with the front of the container, a longitudinally extending partition formed integrally with the front of the container, and a lid formed integrally with the back of the container and having a front flap folding over the front of the container and formed with tabs adapted when the container is closed to be received in slots cut in the container front.

2,097,683
GRIPPING DEVICE FOR TUBES OF HEAT-EXCHANGE APPARATUS
Robert Armstrong, Ridgefield, N. J.
Application July 31, 1936, Serial No. 93,621
5 Claims. (Cl. 294—92)

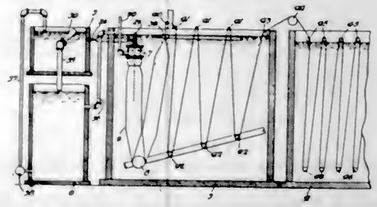
1. A gripping device for externally engaging a tube of a heat-exchange apparatus, comprising a pair of jaws shaped and spaced to permit passage between them of the tube to be gripped, and a jaw

carrier provided with a portion adapted to receive a pulling force applied in a direction substantially



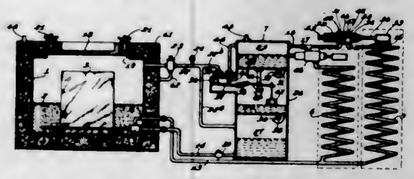
parallel to but offset from the axis of the gripped tube, each jaw consisting of a member having substantially the shape of a hyperboloid.

2,097,684
PROCESS AND APPARATUS FOR MAKING SAUSAGE CASINGS AND THE LIKE
Ralph L. Atkinson, Boston, Mass.
Application May 1, 1933, Serial No. 668,712
Renewed August 4, 1934
4 Claims. (Cl. 18—15)



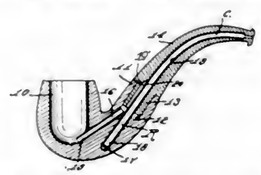
1. In a forming head of the class described, a main body for receiving the material from which tubing is to be formed by extrusion, said body having an exterior die member, a mandrel concentric and cooperating with the die member to form an annular die opening therewith, a skirt on said mandrel having a lower portion of enlarged diameter as compared to the die opening, a sleeve supporting said mandrel and communicating with the interior thereof, means for supplying the sleeve with coagulant, the skirt of the mandrel being formed with upper and lower passages permitting the circulation of coagulant from the interior of the skirt through the latter and into a chamber formed between the skirt and the newly formed tubing, said skirt also being formed with lower openings permitting the coagulant to escape from said chamber to the interior of the skirt.

2,097,685
REFRIGERATING SYSTEM
William J. Bolton, Pittsburgh, Pa.
Application April 28, 1933, Serial No. 668,399
19 Claims. (Cl. 62—91.5)



14. A method of refrigerating which comprises bringing a quantity of solid CO_2 ice in contact with a light petroleum and bringing said petroleum in heat exchange relation with a region or object to be refrigerated.

2,097,686
SMOKING PIPE
Charles C. Cohee, Indianapolis, Ind.
Application April 5, 1937, Serial No. 135,010
3 Claims. (Cl. 131—12)

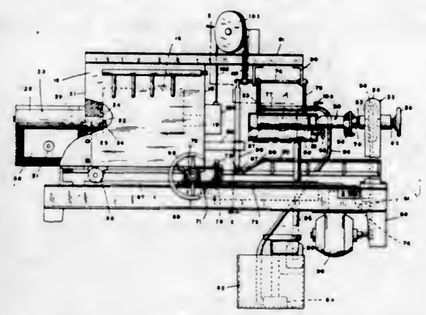


1. A smoking pipe comprising a bowl and separable bored stem, a metal tube mounted in the bore of the stem and having a closed inner end and a perforation through its top side intermediate its open end and its inner closed end with a substantial length of said closed end lying within a blind pocket formed in the main body of the pipe, a comparatively short nicotine pocket surrounding said tube between the bowl and said perforation, the upper region of said nicotine pocket communicating respectively with the bowl and the said perforation.

2,097,687
SURFACE ANESTHETIC
David Curtis, New York, N. Y.
No Drawing. Application September 24, 1935, Serial No. 41,872
4 Claims. (Cl. 167—52)

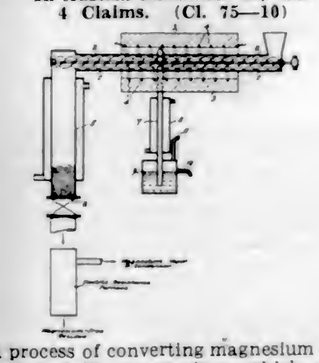
1. As a new compound, the acetyl salicylic acid salt of ethyl aminobenzoate, having the formula of $C_6H_4.NH_2COO.C_2H_5—C_6H_4O(CH_3CO).COOH$.

2,097,688
APPARATUS FOR LINING TUBULAR MEMBERS
Charles W. Eggenweiler and William J. Fiegel, Detroit, Mich., assignors to Bohn Aluminum and Brass Corporation, Detroit, Mich., a corporation of Michigan
Application December 17, 1934, Serial No. 757,926
19 Claims. (Cl. 22—65)



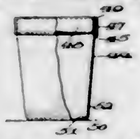
1. In apparatus for casting a lining within a tubular member, means for rotating said member, a heating chamber movable axially of the member toward and away from said member and having an opening through the wall adjacent the member of sufficient dimension to receive the member upon movement of the chamber in a direction toward said member, and means for heating the interior of the chamber to a predetermined temperature.

2,097,689
CONVERSION OF MAGNESIUM DUST INTO COMPACT METALLIC MAGNESIUM
Konrad Erdmann, Radenthein, Austria, and Fritz Hansgirg, Konan, Korea, assignors to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application November 5, 1935, Serial No. 48,435
In Austria November 13, 1934
4 Claims. (Cl. 75—10)



1. A process of converting magnesium dust into compact metallic magnesium, which comprises mixing magnesium dust with current conducting substance indifferent to magnesium metal, which at temperatures at which lively vaporization of magnesium takes place is still unmelted and which has low vapor tension at such temperatures, while concurrently further adding magnesium oxide, impasting the mixture thus obtained with the addition of hydrocarbon oil, after which this paste is heated to distil off the hydrocarbon oil, and agglomerated to compacted bodies; then interposing the pieces thus obtained as resistor between the poles in an electric furnace to drive out the magnesium in the form of vapor, and condensing the vapor evolved to a liquid deposit.

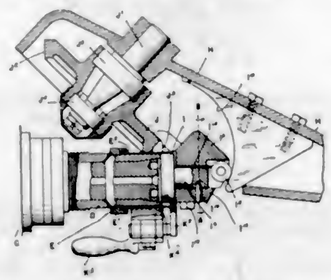
2,097,690
TRANSPARENT CONTAINER
Enoch T. Ferngren, Jackson Heights, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application August 20, 1932, Serial No. 629,696
Renewed April 5, 1937
9 Claims. (Cl. 229—3.5)



1. A seamless, transparent drinking cup of a waterproof material formed with a folded-over border wall at its open end to produce a rounded edge thereon, and having a recessed annular groove covered by the folded portion, and a reinforcing band in the groove.

2,097,691
METHOD AND MACHINE FOR FORMING FLANGED BEARING SHELLS
William J. Fiegel, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,445
20 Claims. (Cl. 153—29)

1. The method of forming flanged bearing shells comprising, holding a portion of a cylindrical blank from distortion leaving a projecting free portion, engaging the projecting free portion of said blank with a roller, relatively rotating said blank and roller, simultaneously swinging said roller about an axis substantially tangent to said blank at a point intermediate the held and free portions thereof, and positively flowing the metal in a direction axial with respect to the original blank and radial with respect to the formed flange to compensate for the changed peripheral length and to maintain substantial uniformity in thickness.

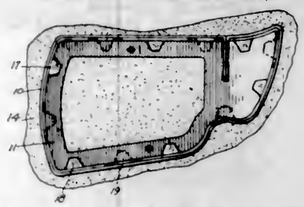


2,097,692
METHOD AND MACHINE FOR FORMING BEARING SHELLS
William J. Fiegel, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application March 23, 1936, Serial No. 70,446
13 Claims. (Cl. 153—40)

1. In a method of forming arcuate bearing shells, the steps of clamping a preformed arcuate portion of a strip to a mandrel, rotating said mandrel to wind thereon an additional arcuate portion, severing a segment including the preformed portion and a part of the subsequently formed portion, releasing the clamp to disengage the severed segment, reversely rotating said mandrel to its original position and repeating the operations to form successive shells.

13. The combination with a rotary mandrel, of a gear on said mandrel, a rack in mesh with said gear, a reciprocatory plunger for actuating said rack to effect a corresponding oscillation of said mandrel through less than one revolution, a lost motion connection between said rack and plunger for effecting an interval of rest between phases of the oscillation, and means for adjusting the amount of said lost motion for varying the arc of oscillation.

2,097,693
COMBINED DIE AND PATTERN
Fred L. Foster, Lynn, Mass.
Application October 16, 1934, Serial No. 748,464
1 Claim. (Cl. 164—29)



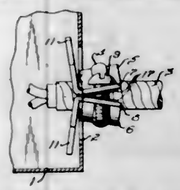
In a double edge die in combination with a pattern of the shoe type, a supporting member secured to the inside surface of the die, lugs formed in the supporting member which alternately support both sides of the pattern.

2,097,694
INSULATING CELLULOSIC MEDIUM
Frederick W. Hochstetter, Pittsburgh, Pa.
Application November 15, 1934, Serial No. 753,206
15 Claims. (Cl. 154—28)



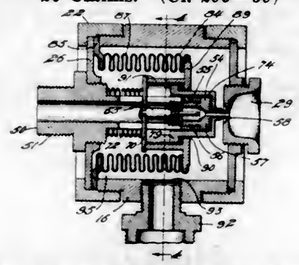
5. A method of making a cellulosic medium for insulating purposes comprising treating cellulosic material to make it heat-resistant, dehydrating the same and carbonizing either or both surfaces thereof by subjecting the same to sufficient heat for a sufficient time.

2,097,695
CABLE CLAMP
Ralph H. Kingdon, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 23, 1935, Serial No. 7,776
3 Claims. (Cl. 247—25)



1. A cable clamp for securing a conductor within an opening in a box wall, which opening is appreciably wider than the conductor, comprising a body portion of a size approximating the conductor size and formed of separable sections embracing the conductor and adapted to be positioned on one side of the box wall, flanges at one end of the body sections having portions extending beyond the edges of the opening and adapted to be positioned on the opposite side of the box wall to close the opening therein, cooperating pairs of ears on opposite sides of said sections extending beyond the edges of the opening at said one side of the box wall, and screw means cooperating with said ears for drawing the sections together about the conductor, said clamp being maintained in position by the engagement of the box wall between the flange portions and the edges of the ears.

2,097,696
SELF CLEANING ATOMIZER
Walter Macdonald, North Providence, R. I.
Application June 26, 1936, Serial No. 87,370
20 Claims. (Cl. 299—59)



3. In an atomizer of the type set forth, a casing adapted to receive air under pressure and including a nozzle provided with a central orifice, a liquid conducting pipe disposed axially of the casing, a jet for the liquid mounted upon the pipe and extending into and in spaced relation to the orifice, an element slidable along the pipe and movable thereon in a direction away from the orifice by air pressure and movable towards the orifice by resilient means, a cleaning member carried by said element slidable in the jet and normally closing the same, and a cleaning member slidably mounted upon the jet in the path of the element and constructed and arranged to enter the space between the orifice of the nozzle and jet.

16. In an atomizer of the type set forth, a casing adapted to receive air under pressure, a nozzle associated with said casing provided with a central orifice, a jet for the discharge of liquid mounted in the casing and annularly spaced relative to the orifice, whereby an annular opening is provided about said jet for the discharge of air, and means mounted in said casing and movable into said annular opening to the point of discharge of the jet for cleaning said annular opening.

2,097,697
WALL STRUCTURE
Herbert E. Marks, Sewickley, Pa.
Application July 5, 1935, Serial No. 29,816
8 Claims. (Cl. 72—46)

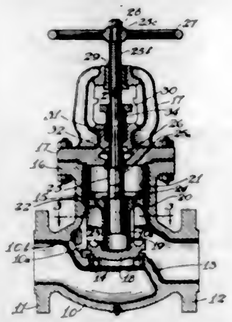


5. A portable wall panel comprising a pair of upright metal channel members having their webs rigidly connected together, said webs being corrugated transversely to form openings between them, a wall-board disposed against the side flanges of the channels at each side of the channels, and nails driven through said boards and frictionally engaging said channels in said openings for connecting the boards to the channels.

2,097,698
VALVE
Walter W. Mohr, Hammond, Ind., assignor to The Edward Valve & Manufacturing Co., Inc., East Chicago, Ind., a corporation of Indiana
Application November 20, 1933, Serial No. 698,771
6 Claims. (Cl. 251—44)

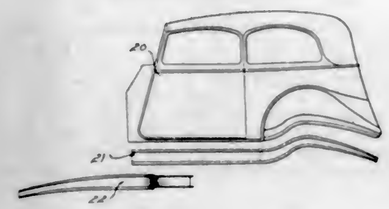
4. In a valve construction, the combination of a valve body having inlet and outlet openings and a third opening for receiving valve disk

controlling devices, said body having an apertured partition extending across the interior of said body between said inlet and said outlet openings, an annular valve seat mounted in the aperture in said partition, a valve disk cooperating with said seat and movable therefrom towards said third opening to control fluid flow through said valve seat, there being a free and substantially unobstructed clearance space around said valve seat between said seat and said third opening and extending to said parti-



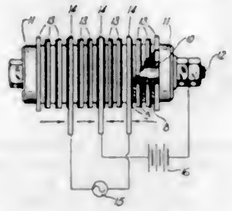
tion and to the inner surface of the wall of said valve body, and guiding ribs integral with said valve body and extending radially inwardly therefrom towards the axis of said valve seat and also extending substantially parallel with the axis of said valve seat towards said third opening, said ribs having substantially parallel inner edges for engaging and guiding said valve disk, said ribs having apertures therethrough permitting the free flow of fluid therethrough, whereby fluid flow through said valve seat is not materially checked by said ribs.

2,097,699
METHOD OF CONSTRUCTING VEHICLE BODIES
Amos E. Northup, Pleasant Ridge, and Charles H. Widman, Detroit, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application June 2, 1933, Serial No. 673,932
11 Claims. (Cl. 296—28)



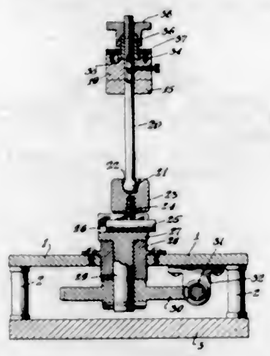
1. In a motor vehicle, a chassis frame having outwardly presenting channel sections as a separate element of the vehicle, a plurality of panel elements secured together to form a body and directly attached to the chassis frame to form box sections with the outwardly presented channel sections thereof, and means on the inner faces of said frame for providing a support for the driving means for the vehicle.

2,097,700
RECTIFIER AND METHOD FOR PRODUCING THE SAME
Carl E. Peters, St. Louis, Mo., assignor to B-L Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application November 30, 1936, Serial No. 113,413
11 Claims. (Cl. 175—366)



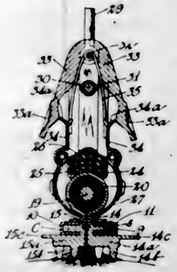
8. The method of making dry contact rectifiers which comprises forming a phosphorus coating on a copper sulfide element, placing an electropositive metal element in pressure engagement with said phosphorus coated element and passing current through the elements to cause electro-thermic reaction between the said materials.

2,097,701
MACHINE FOR CONDITIONING FALSE TEETH
Henry P. Pfeiffer, East Orange, N. J.
Application November 11, 1935, Serial No. 49,225
4 Claims. (Cl. 32—32)



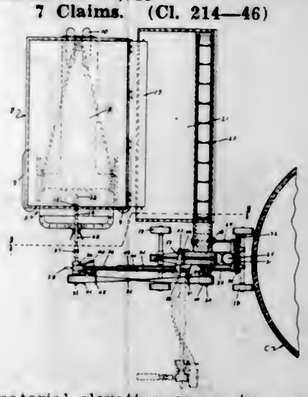
1. A machine for conditioning false teeth comprising a table, means thereon to fixedly support a set of false teeth, bearing means carried by said table at one end thereof, an arm loosely journalled at one end in said bearing means, said arm supporting a companion set of false teeth in occlusive, gravity pressure relation to said fixedly supported set, a revoluble member, having a horizontal groove, mounted on said table, means to rotate said member, an axially adjustable, cylindrical member carrying a centered upstanding screw, a nut-like block having a cup-shaped depression in its upper surface, and a pole having a ball-like end revolubly fitting said depression, said pole, according to the degree of axial adjustment of said cylindrical member, communicating movement through an ellipsis to said pole and thence to said arm and the set of teeth carried thereby.

2,097,702
PERMANENT WAVE APPARATUS AND METHOD
Paul C. Rilling, Minneapolis, Minn., assignor to Rilling-Arnao Company, Minneapolis, Minn., a corporation of Minnesota
Application June 14, 1935, Serial No. 26,601
7 Claims. (Cl. 132—36)



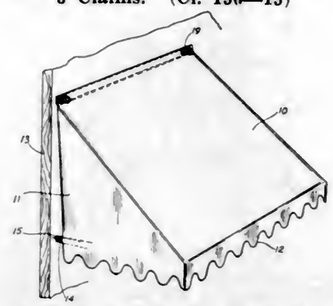
1. The method of waving hair upon a human head which consists in dividing off from the head of hair a flat lock, initially gripping said lock with a flat clamp adjacent the scalp and in so doing exerting only sufficient gripping force to retain the clamp to the lock of hair and maintain the arrangement of individual hairs in said lock, re-arranging and distributing the individual hairs uniformly while the same are initially gripped, then securing said clam to tightly grip the re-arranged hairs, winding said lock from its end to a point near said clamp upon a rod and treating the wound hair with heat and hair-softening moisture.

2,097,703
COMBINATION TRACTOR-ELEVATOR AND POWER TRANSMISSION
Adolph Ronning, Minneapolis, Minn.
Original application June 10, 1935, Serial No. 25,833. Divided and this application April 2, 1936, Serial No. 72,313
7 Claims. (Cl. 214—46)



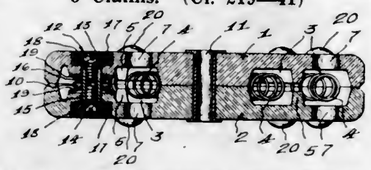
2. A material elevating apparatus comprising a stationary hopper adapted to receive material discharged thereinto from the receptacle of a power vehicle driven to a position laterally adjacent thereto, an elevating device, means for conveying material from the hopper into said elevating device, and power transmission means, having a coupling for detachable connection with a power take-off shaft extending rearwardly from the power vehicle, for operating the elevating device and conveying means, said transmission means being swingable with respect to the elevating apparatus proper and to a position entirely clear of the vehicle as the latter is driven into unloading position at the side of the hopper.

2,097,704
AWNING
Isidore P. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application June 16, 1937, Serial No. 148,440
3 Claims. (Cl. 156—15)



1. In an awning having a downwardly and outwardly inclined fabric portion, means to hold the lower end of the fabric portion in the desired position, means providing a horizontal pocket in the upper portion of said fabric portion, said pocket terminating at its opposite ends short of the side edges of the fabric portion, a horizontally elongate grommet in the fabric portion between each side edge thereof and the adjacent end of said pocket, a removable header bar in said pocket having end portions projecting beyond the ends thereof and disposed in rear of said grommets, said bar having horizontally elongate openings substantially registering with said grommets respectively, and a headed fastener extending through each pair of bar and grommet openings respectively, thereby to support the upper end portion of the awning, and to prevent relative sliding movement between the header bar and the pocketed upper portion of the fabric portion.

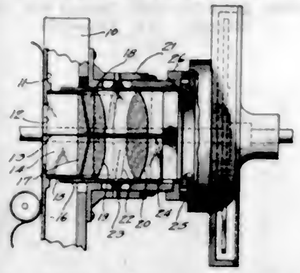
2,097,705
ELECTRIC WATER HEATER
Everett Stuck, Fayetteville, N. Y.
Application June 2, 1936, Serial No. 83,082
3 Claims. (Cl. 219—41)



1. A water heater comprising opposing perforated, discoidal plates lying flatwise on each other, and formed with a tortuous passage between them including inner and outer concentric portions, a heating element in said passage, binding devices extending transversely through the rims of the plates, the plates being also formed with a feed wire passage between them, opening through the edge thereof adjacent said devices, the wires and opposite ends of the heating element being connected to the binding devices,

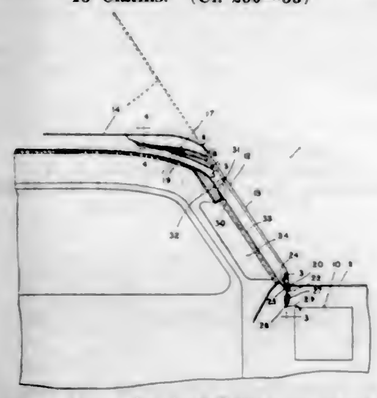
said binding devices also serving to clamp the plates together at the rims thereof, and means located centrally of the discoidal plates for securing the plates together.

2,097,706
METHOD OF AND APPARATUS FOR MULTI-COLOR PHOTOGRAPHY
Richard Thomas, Los Angeles, Calif.
Application January 21, 1935, Serial No. 2,807
7 Claims. (Cl. 88—16.4)



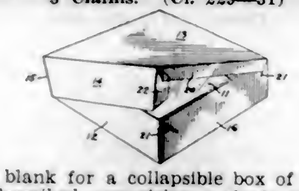
2. In a motion picture apparatus including four closely adjacent lens systems optically related to four separate but adjacent image areas, and means for advancing film intermittently, the combination of: a rotatable holder in operative relation with respect to said lens systems, said holder including three color filters adapted to filter light passing through three of said lens systems and an obturating element adapted to restrain light from one lens system, and means for partially rotating said holder during periods of intermittent motion of the film.

2,097,707
ANTENNA FOR MOTOR VEHICLES
Carl M. Tichenor, Detroit, Mich.
Application September 21, 1936, Serial No. 101,848
13 Claims. (Cl. 250—33)



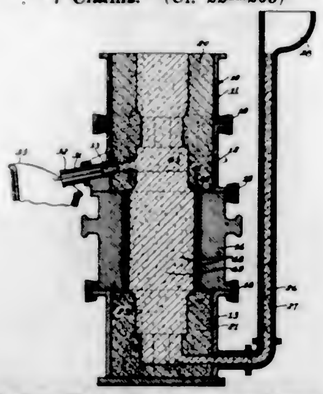
1. An antenna for installation on motor vehicles, comprising a flexible metallic rod attachable to a part of the vehicle to extend in a general vertical direction and possessing sufficient flexibility to permit bending the rod to the extent required to locate a substantial length of the free end portion of the rod in a general horizontal direction, and means for holding the rod under tension in a position wherein it extends in said general horizontal direction.

2,097,708
COLLAPSIBLE CONTAINER
Gustave A. Trost, San Francisco, Calif., assignor to Fleishhacker Paper Box Company, San Francisco, Calif., a corporation of California
Application September 14, 1936, Serial No. 100,692
3 Claims. (Cl. 229—31)



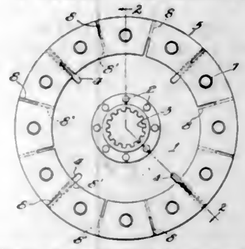
1. A blank for a collapsible box of the character described comprising a single rectangular blank having longitudinally and transversely extending score lines forming the top and bottom areas of a box and cover, an infolded and secured flap at the box forming end of said blank, diagonal scored lines extending outwardly from the corners of the box bottom defining a corner fold disposed beneath said flap when the sides of the blank are folded thereunder, a notched and diagonally scored portion in the sides of said blank between the bottom and top forming areas thereof adapted to interfold and form corners of the connecting ends of the box and cover, a closure flap upon the cover forming area adapted to be inserted in slots formed in the first formed end of said box, and a tab extending outwardly at the end of each side adjacent said closure flap adapted to be inserted in the fold formed by the diagonal scored lines terminating beneath the infolded and secured flap first above described to lock the cover forming area over the box forming area when the box is closed.

2,097,709
METHOD OF MAKING ROLLS
Harry E. Walters, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1935, Serial No. 42,800
7 Claims. (Cl. 22—205)



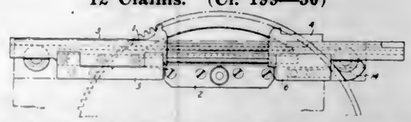
6. That method of casting a roll with a large central portion and reduced bearing necks which comprises casting the central portion of the roll, chilling the roll surface, and while the metal radially inside of the chilled surface metal is still molten displacing the molten metal by a core forming molten metal, and removing the displaced metal from the mold directly as it leaves the central portion of the roll.

2,097,710
FLEXIBLE CLUTCH FACING
Albert Whitelaw, Passaic, and David J. Bonawit, Glen Park, N. J., assignors to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application January 22, 1935, Serial No. 2,938
3 Claims. (Cl. 192—107)



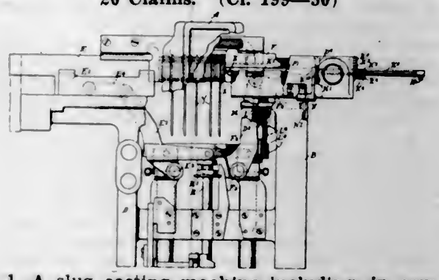
1. A facing adapted to be secured to a driven clutch plate of a clutch of the disc type, comprising an annular facing, having a plurality of elongated apertures radially disposed about said facing to impart resiliency to the facing, said apertures extending from substantially the internal and outer peripheries of said annular facing to substantially the mean circumference thereof.

2,097,711
MATRIX COMPOSING AND LINE CASTING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application August 7, 1936, Serial No. 94,752
In Germany May 12, 1936
12 Claims. (Cl. 199—50)



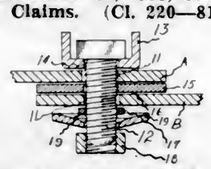
1. A method of forming a typographical slug from a line of matrices presented to a mould slot of sub-normal depth, in which the body of the slug is cast, wherein the effective depth of the slot at the part thereof to which the matrices are presented is increased automatically in accordance with the length of the matrix line.

2,097,712
SLUG CASTING MACHINE
Raymond Archer, Seattle, Wash., assignor to Mergenthaler Linotype Company, a corporation of New York
Application July 30, 1936, Serial No. 93,357
20 Claims. (Cl. 199—50)



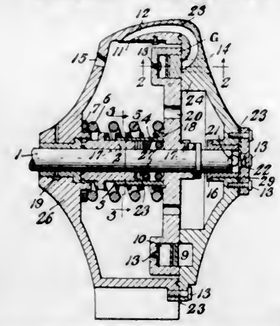
1. A slug casting machine including, in combination, a pair of line clamping jaws, one movable toward the other in quadding, means for effecting such quadding movement of the jaw, means acting independently of the line for arresting the jaw in a predetermined quadding position, and devices distinct from the jaw moving means for locking the jaw against outward movement in said predetermined quadding position during justification of the line.

2,097,713
BOLTED JOINT
Arthur W. Ashley, Houston, Tex.
Application December 14, 1935, Serial No. 54,365
3 Claims. (Cl. 220—81)



1. A bolted joint for a plurality of metallic plates having their edge portions overlapping and provided with registering openings in said overlapping portions, including, non-rotatably mounted threaded bolts adapted to be passed through said openings, a nut on the threaded portion of each bolt beyond one of said plates, a yieldable packing ring surrounding each bolt and opposed to the outer side of said plate, and dished deformable means surrounding each bolt between said plate and the nut, said dished deformable means covering said packing ring and extending peripherally therebeyond whereby to engage said plate and shield said packing ring from pressure until the nut is tightened and the overlapping plate portions are drawn together, after which time said dished deformable means is flattened by further tightening of the nut and said packing ring is pressed and crowded into the opening about the bolt to seal said opening.

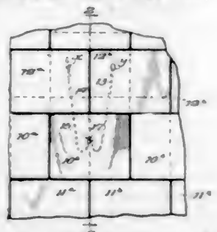
2,097,714
ROTARY COMPRESSOR OR PUMP
Calvin M. Ayre, Arlington, Va.
Application February 12, 1937, Serial No. 125,378
5 Claims. (Cl. 103—141)



1. A compressor of the class described comprising a housing formed of two bell-shaped members bolted and sealed together, with intake and discharge ports therein, a continuous annular groove on the inner side of the end wall of one housing member forming a working chamber, one segment of said groove being formed as and providing a cam having opposite inclines and forming a cut-off or divider block between the intake and discharge ports, a shaft journaled in

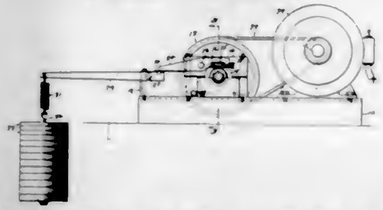
the housing, a disk keyed to the shaft for rotation therewith and having a gas-tight contact with the grooved housing member, means for maintaining said contact between the disk and the grooved housing member, pockets in the outer rim of the disk opening into said working chamber, piston blades pivoted at their central point within said pockets for sliding in said annular groove working chamber and over said cam in the housing member, said blades being made in the shape of a segment cut from a sphere by two arcs concentric with an axis of the sphere and passing through the sphere as their centers slide along said axis, said blades being pivoted in said pockets of the disk in such a manner as to ride partly within the disk pockets while rotating in the plane of the disk.

2,097,715
SLATE SUPPORTING CLIP
Henry G. Bartsch, Washington, D. C.
Application January 30, 1937, Serial No. 123,291
15 Claims. (Cl. 108—33)



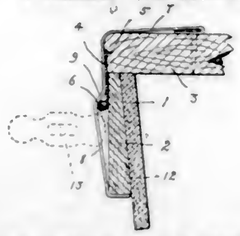
1. A standardized clip for the support of slate shingles of the conventional type provided with a spaced pair of nail-receptive apertures, comprising: a body portion adapted to flatly underlie the under surface of the shingle with which it is to be associated, means at the upper end of said body portion disposable through said shingle apertures to secure said clip to the shingle, and means at the lower end of said body portion adapted to lie flatly upon the top surface of shingles of the subjacent course when lapped by the first-mentioned shingle, said last-mentioned means being engageable with a headed stud preset in the sub-roof with its head in slightly spaced relation with respect to said top surface of said subjacent shingles.

2,097,716
OIL TESTING MACHINE
Cyril C. Benz, Long Beach, Calif.
Application July 1, 1935, Serial No. 29,317
1 Claim. (Cl. 265—10)



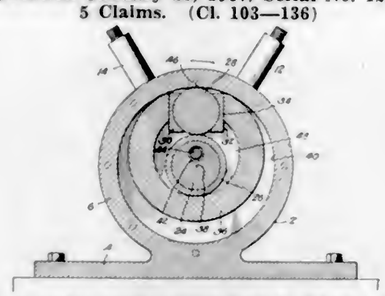
An oil testing machine comprising a base, bearing assemblies fixed on the base, a drive shaft fixed in said assemblies and adapted to be rotated therein, a bearing ring fixed to one end of said shaft, a cylindrical member pivotally mounted on said base and having its longitudinal axis at right angles to the longitudinal axis of said shaft whereby a point contact is made between the peripheries of said cylindrical member and said bearing ring, means to supply a lubricant to be tested to said point contact, and means to resiliently maintain said point contact.

2,097,717
COVER FASTENER
Peter L. Berke, Duluth, Minn.
Application November 19, 1936, Serial No. 111,675
5 Claims. (Cl. 217—70)



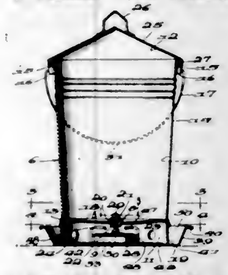
1. The combination with a receptacle having an encircling hoop about the upper open end thereof and a cover having a beaded hoop thereabouts for overlapping engagement with the first mentioned hoop, of a metal strip fastener for said cover characterized by being offset intermediate of its ends for overlapping engagement with the bead of said cover hoop.

2,097,718
ROTARY PUMP
James Lorin Bilderbeck, Newberry, Fla.
Application January 28, 1937, Serial No. 122,837
5 Claims. (Cl. 103—136)



1. A rotary pump comprising a casing having a cylindrical inner surface forming a chamber therein, an inlet to said chamber and an outlet therefrom, a central shaft member mounted in said chamber concentric to said cylindrical surface, a hollow cylindrical rotor member mounted within said chamber enclosing said central shaft member and mounted eccentrically with respect to said central shaft member, said hollow member having an outwardly extending opening therein, a vane member comprising a cylinder and a split housing therefor carried by said hollow member in said opening, said cylinder being of a diameter so as to ride on said central shaft member and to contact with the cylindrical inner surface of said casing, said split housing comprising two sections, each of said sections having a cylindrical inner surface engaging said cylinder and an outer surface engaging the adjacent surface of said opening, said housing sections being of a height so as to expose a portion of said cylinder above and below the housing sections and a drive shaft operatively connected to said hollow member.

2,097,719
FLOAT CONTROLLED DRINKING FOUNTAIN
Howard S. Brembeck, North Manchester, Ind., assignor to The Cyclone Manufacturing Co., Urbana, Ind.
Application August 29, 1936, Serial No. 98,582
4 Claims. (Cl. 119—80)

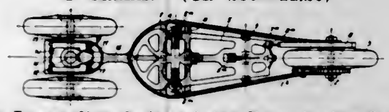


1. In a drinking fountain, a float for arranging in a drinking pan and free of connection to and for opening and closing a water discharge controlling valve adapted to be arranged in a water supply leading to the pan, and an inverted upstanding yoke-shaped element of skeleton form adapted to be positioned within the pan, said element of skeleton form having each of its sides and its top formed of a pair of spaced sections, the sections of one side being so spaced to engage opposite sides of the float, the sections of the other side being closely related and engaging another side of the float and the sections of the top being arranged over the float, one of the sides of said body being formed at its lower end with a lateral extension and means coacting with said extension for connecting said element to the pan, said sides arresting the horizontal shift of the float and providing a guide for the latter, and said top limiting the upward movement of the float.

2,097,720
TREATMENT OF OLIVE OIL TO PREVENT STEARIN COMING DOWN AT LOW TEMPERATURES
William Clayton, Sydney Back, James Frederick Morse, and Robert Ian Johnson, London, England, assignors to Crosse & Blackwell Limited, London, England, a British company
No Drawing. Application January 15, 1937, Serial No. 120,823. In Great Britain January 18, 1936
6 Claims. (Cl. 87—12)

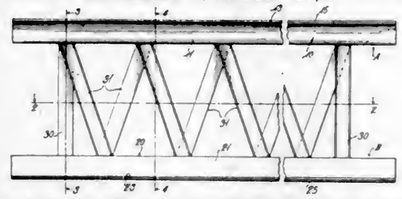
1. Process of treating olive oil containing stearin which consists in adding a small proportion of a polymerized oxidized mono-unsaturated disaturated glyceride.

2,097,721
ROLLER SKATE
Raphael Cledina, Liege, Belgium
Application June 9, 1934, Serial No. 729,888
In Belgium June 17, 1933
4 Claims. (Cl. 280—11.20)



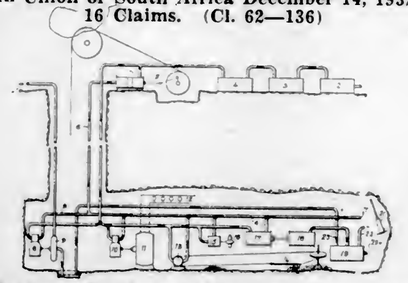
3. In a roller skate, a laterally swinging frame, a rod connected to said frame having a forked end projecting upwardly, a toothed segment carried by said forked end, a second toothed segment engaged with the first toothed segment, a vertical pin carrying said second toothed segment and carried by the wheel axle, a bearing member receiving said vertical pin and comprising a rod on which the frame may swing whereby the skate may be steered, a longitudinally tiltable plate secured to the boot of the skater and resting upon said frame, means actuated by said plate for braking the skate, and means to prevent the skate from running backwards.

2,097,722
JOIST
Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware
Application September 3, 1935, Serial No. 39,027
2 Claims. (Cl. 189—37)



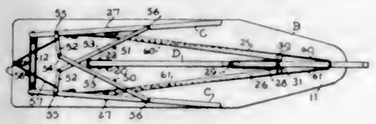
1. A composite joist comprising a pair of tubular chords each constituting a casing of nail-penetrable sheet metal having flat upper and lower faces and a nailable cementitious core enclosed by the casing and a web supporting said chords in spaced relation, said web comprising a series of diagonally disposed channel sections, alternate channel sections being reversely inclined and the ends only of contiguous channel sections being overlapped and united back to back and bonded along their terminal edges to the opposed flat faces of the chords.

2,097,723
CONDITIONING MINE AIR
Sydney Edward Thacker Ewing and Arthur Lindsey Egan, Johannesburg, Transvaal, Union of South Africa
Application August 3, 1933, Serial No. 683,528
In Union of South Africa December 14, 1932
16 Claims. (Cl. 62—136)



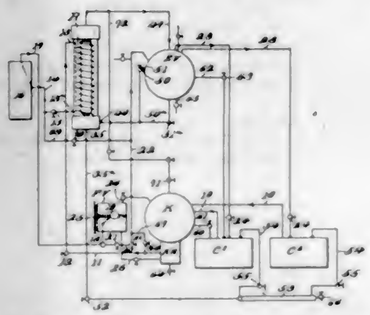
8. Apparatus for conditioning mine air comprising a source of compressed air, means for cooling such air only to approximately atmospheric temperature, means at the surface of a mine to devaporize the cooled compressed air, an expansion motor arranged to be driven by the devaporized compressed air, a secondary compressor situated in the mine and driven by said expansion motor, means to supply cooling water to the secondary compressor, means to convey the resulting cooled water to the mine draining system, and means whereby the exhaust air from the motor is used to cool the mine atmosphere.

2,097,724
COLLAPSIBLE IRONING TABLE
Cal A Forney, Goshen, Ind.
Application December 31, 1934, Serial No. 759,989
5 Claims. (Cl. 38—117)



1. In an ironing table construction, an ironing board proper, and means for operatively supporting the board including a pair of legs, means loosely pivoting the legs to the ironing board in such manner that they are movable towards or away from each other transversely of the ironing board, pivoted cross bracing means for connecting said legs together, including a pair of cross braces having pivoted together portions, one portion of each brace being connected to one leg in a pivoted relation and the other portion of each brace being pivotally connected to the other leg, and means whereby said legs will move toward one another when said legs are folded against the ironing board proper, including a substantially V-shaped flexible member, pivoted at its apex to said board back of the first named means and pivoted at the free ends of its arms to like portions of each of said braces.

2,097,725
ART OF SEPARATING OIL IN REFRIGERATION SYSTEMS
Norman H. Gay, Los Angeles, Calif.
Application April 4, 1936, Serial No. 72,828
17 Claims. (Cl. 62—115)



1. A separating apparatus for refrigerating plants, comprising inner and outer jackets and walls sealing the space between the jackets and providing chambers at the upper and lower ends of said jackets, a plurality of small tubes communicating with said chambers and being located in the space between the jackets, an inlet connection for hot refrigerant liquid at the upper end of the jacket space, an outlet connection for refrigerant liquid at the lower end of the jacket space, a connection for delivering a mixture of oil and liquid refrigerant into the lower chamber, a suction connection from the upper chamber, and an oil withdrawal connection at the lower end of the space inside the inner jacket, the upper end of the space within said inner jacket being in communication with the upper chamber at a low level thereof.

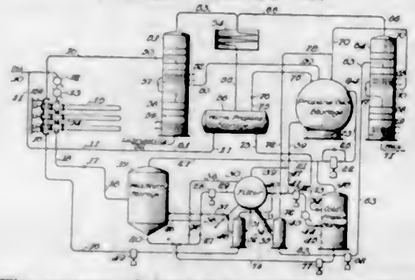
2,097,726
PROCESS FOR THE MANUFACTURE OF SULPHONIC ACIDS FROM ARYL ETHYLENES AND THE PRODUCTS THEREOF
Hans Grotowsky, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 29, 1934, Serial No. 742,013. In Germany September 22, 1933
18 Claims. (Cl. 260—159)

12. An ethereal solution of an additive compound of chlorosulphonic acid to indene, said product possessing the formula $C_9H_8ClSO_3H$.

2,097,727
TIN ALLOYS
Daniel Hanson, Haselor, Alcester, and William Thomas Pell-Walpole, Tipton, England, assignors to John Campbell, Kensington, England
No Drawing. Application November 28, 1936, Serial No. 113,256. In Great Britain December 23, 1935
4 Claims. (Cl. 148—32)

1. Tin alloys containing from 2 to 14 per cent. of antimony and about 1 to 10 per cent. of cadmium, the balance being tin.

2,097,728
PROPANE DEWAXING
Percy C. Keith, Jr., Peapack, N. J., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application April 30, 1934, Serial No. 723,043
1 Claim. (Cl. 196—19)

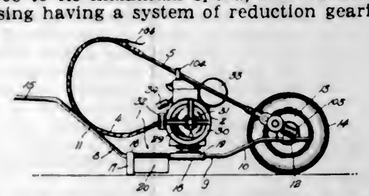


The process of dewaxing employing a diluent and a condensible gas in a continuous filter system, which process comprises dissolving a wax-bearing oil in the diluent, cooling the solution to obtain a filterable wax slurry, adding cold liquefied gas to said slurry, introducing the slurry and liquefied gas into the continuous filter, introducing condensible gas as such into said filter for maintaining the pressure differential therein, removing gas with filtrate and subsequently separating gas therefrom, compressing and cooling the separated gas, flashing the cooled separated gas to partially liquefy it and cool it for addition to said slurry, introducing the flashed gas into a large storage reservoir, introducing gas from said reservoir to said gas-compressing and cooling means, and to said filter for maintaining pressure differential, removing diluent and additional condensible gas from said filtrate, returning said gas to said storage reservoir and returning said recovered diluent for admixture with further amounts of incoming waxy oil.

2,097,729
PORTABLE POWER MACHINE
Arthur W. Mall, Chicago, Ill.
Application January 9, 1935, Serial No. 1,077
7 Claims. (Cl. 123—179)

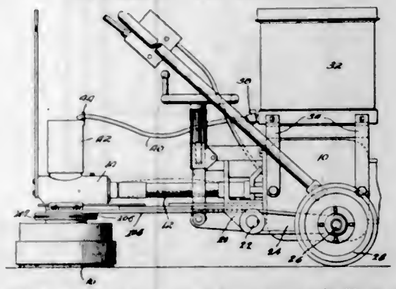
1. A power machine comprising a carriage having a power source mounted thereon, means

for connecting said power source to a flexible drive shaft so that the flexible drive shaft may have its rotational speed slowly and evenly increased from zero at idling speed of the power source to a maximum on the raising of the power source to its maximum speed, a reduction gear housing having a system of reduction gearing, a



stub shaft having a clutch element at its free end, said shaft supported by the housing and driven by said gearing system, said gearing system being operatively connected to said flexible shaft so that it may be driven thereby, a rigid handle on said housing, and means on said handle connected to said power source for slowly and evenly varying the speed developed by the power source.

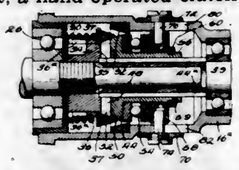
2,097,730
TERRAZZO GRINDING APPARATUS
Arthur William Mall, Chicago, Ill.
Application April 12, 1935, Serial No. 15,966
10 Claims. (Cl. 51—177)



2. The combination in a terrazzo grinding machine of a horizontally disposed motor, a fluid supply associated therewith, a wheeled support secured to said motor, a flexible shaft extending from said motor, a spindle driven thereby, a housing therefor, a universally tiltable face grinding wheel at the lower end of said spindle, a spring member extending from said motor and supporting said spindle housing, a sand hopper mounted above said grinding wheel on said spindle housing, a conduit from said fluid supply to said sand hopper, and a conduit extending from the lower end of said hopper to the center of said grinding wheel.

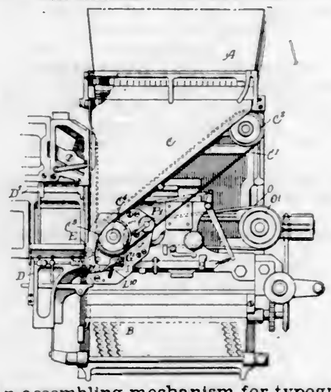
2,097,731
CLUTCH MECHANISM
Arthur William Mall and Thomas A. Long, Chicago, Ill., assignors to Mall Tool Company, a corporation of Illinois
Application May 9, 1935, Serial No. 20,648
Renewed April 20, 1937
3 Claims. (Cl. 192—18)

1. In combination with a flexible drive shaft, a housing therefor, a driving clutch member having a forward face, said face having a toothed surface and a tapered friction surface, a driven clutch member having a forward face, said face having a toothed vertical surface and a cone-shaped friction surface whereby engagement of said clutch members operates to provide first a friction engagement and then a locked driving engagement, a hand operated clutch lever pivot-



ally mounted on said housing, a shifting ring movable thereby and a brake member in said housing for stopping movement of said driven clutch member when the same is released.

2,097,732
TYPOGRAPHICAL COMPOSING MACHINE
Richard R. Mead, Queens Village, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application January 15, 1936, Serial No. 59,207
22 Claims. (Cl. 199—27)

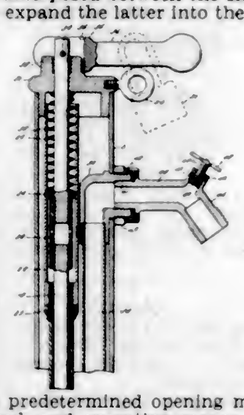


1. An assembling mechanism for typographical composing machines including, in combination, an assembler wherein the matrices are composed in line, stacker mechanism operable at different speeds for advancing the matrices and compacting them in the assembler as the line is being composed, and means adapted upon actuation to effect an instantaneous change from one speed to another as required.

2,097,733
HYDRANT
Louis R. Miller, Arcadia, Mo.
Application February 16, 1937, Serial No. 126,096
2 Claims. (Cl. 137—13)

1. A hydrant comprising a foundation attachable base plate, a vertically extending case detachably secured to the base and provided with a cap, a vertically extending valve rod, a block structure mounted within the lower portion of the case and having a horizontal water inlet bore therein, said block being provided with a pair of vertical bores one of which communicates with the horizontal bore and the other bore communicating with the last mentioned vertical bore, a valve member seatable in the first named vertical bore and to which the valve rod is connected, a water outlet for the other vertical bore, a sleeve surrounding the rod having its lower end positioned in said first named vertical bore, drain openings in said first-named vertical bore,

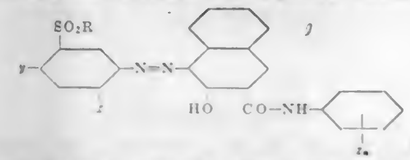
an expansible packing carried by the rod, means on the rod interposed between the sleeve and the packing to expand the latter into the drain open-



ing upon a predetermined opening movement of the valve rod, and operating means at the said cap for the rod.

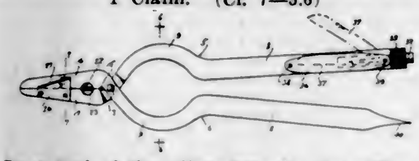
2,097,734
PIGMENT AZO DYESTUFFS
August Modersohn, Cologne-Mulheim, and Werner Schleifenbaum, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 11, 1935, Serial No. 10,580. In Germany March 17, 1934
4 Claims. (Cl. 260—95)

1. Pigment dyestuffs of the general formula:



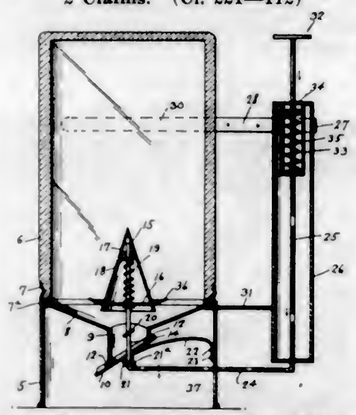
wherein R stands for a member selected from the group consisting of alkyl, aralkyl and aryl, x and y stand for members selected from the group consisting of hydrogen, alkyl, alkoxy, halogen, aralkyl, aryl, aralkoxy and aryloxy in such a manner that y only stands for the same value as x, if x stands for hydrogen or alkyl, z stands for a lower alkyl group and n stands for a whole number larger than 1, and such derivatives thereof in which two z's in o-position to each other form a tetramethylene chain, being distinguished by a good fastness to light combined with a good fastness to oil, spirit and solvents.

2,097,735
SEWING MACHINE TOOL
Eugene J. S. Mrozinski, Milwaukee, Wis.
Application November 28, 1936, Serial No. 113,194
1 Claim. (Cl. 7—5.6)



In a tool of the pliers type for use with machine belts, a pair of handles provided with cooperating clamping jaws and pivoted together for limited opening movement of said jaws, one jaw having mounted thereon a punch element extending from the inner face thereof and spaced at its outer end from the other jaw in the open position of said jaws to permit the insertion of a belt between said punch and said other jaw, the other jaw having a punch clearance aperture therein, and a shearing blade on one side of the punch mounting jaw opposite said punch, whereby the punching and shearing operations are concluded simultaneously, said punch extending slightly beyond the opposite edge portion of said blade for slight penetration of a belt prior to shearing thereof, whereby the belt is securely held in position relative to said blade preparatory to shearing.

2,097,736
CONTAINER
George T. Phelps, Forbes, N. Dak.
Application October 21, 1936, Serial No. 106,864
2 Claims. (Cl. 221—112)

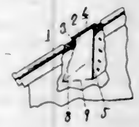


1. In a device of the character described, a substantially cylindrical support having a peripheral wall threaded at the upper end thereof, an inverted container having a threaded neck threadedly engaged with said wall of the support, said support being provided internally with a partition having a depending discharge neck, a tubular member disposed laterally of said support and receptacle and in parallelism thereto, a rod having a sliding fit through said tubular member, spring means engaged with the rod normally urging the latter upwardly, said rod having an integral lateral arm extending therefrom through a slot in the wall of said support, a valve rod integral with said arm and extending upwardly through said discharge neck, a valve member on the upper end of the valve rod adapted to seat against the partition for closing the inner end of said neck, and a second valve member for closing the lower end of said neck provided at the center thereof with an apertured boss through which said valve rod extends.

2,097,737
DETERGENT COMPOSITION
Oscar A. Pickett and Arthur L. Osterhof, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1935, Serial No. 35,628
11 Claims. (Cl. 87—5)

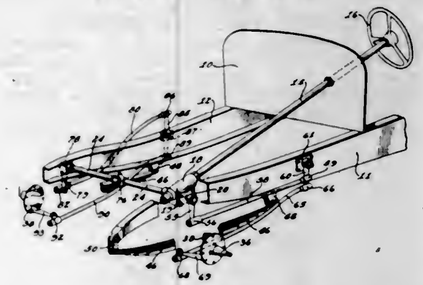
1. A clear, liquid detergent composition comprising 50%–80% of a mixture of an alkali metal soap and a detergent selected from the group consisting of aliphatic amine soaps, sulfonated oils and mixtures thereof; 10%–45% pine oil and 5%–30% water; the said mixture of alkali metal soap and selected detergent consisting of 50%–95% of the alkali metal soap and 5%–50% of the said selected detergent, and the water and pine oil being relatively proportioned so as to form a clear solution when all the ingredients are mixed.

2,097,738
SKYLIGHT
Kenzo Oita, Sumiyoshimura, Mukogun, Hyogo-ken, Japan, assignor to The Toyo Cotton Mills Company Limited, Osaka, Japan, a firm of Japan
Application May 31, 1935, Serial No. 24,422
In Japan June 5, 1934
5 Claims. (Cl. 108—16)



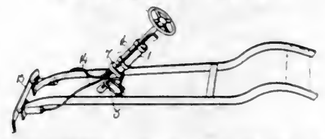
1. A skylight for a roof in which an oblong inlet for the light is provided which is relatively narrow in the south and north direction and relatively long in the east and west direction, comprising a board associated with said inlet for intercepting the light, end plates associated with said board, a second board disposed opposite to said first board so as to form with said end plates and said first board, a hollow pyramid construction, said hollow pyramid construction extending inwardly from the four sides of said inlet.

2,097,739
MOTOR VEHICLE
Peter F. Rossmann, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application February 13, 1934, Serial No. 711,056
7 Claims. (Cl. 280—95)



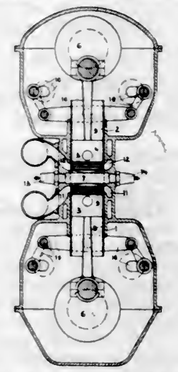
1. In a motor vehicle, the combination with a vehicle frame, of a pair of steerable road wheels disposed adjacent said frame at opposite sides thereof, a motor for operating said vehicle carried by said frame, means connecting said road wheels for conjoint steering movement, said means including a shaft supported for rotation by said frame and extending across the latter forward of the motor, said shaft being disposed substantially in the vertical transverse plane containing the road wheel axes, and worm gearing for operating said shaft.

2,097,740
EMERGENCY STOPPING DEVICE FOR MOTOR CARS
Boku Saigen, Keijo, Japan, assignor to Toho Kagakukogyo Kabushiki-Kaisha, Keijo, Japan, a corporation of Japan
Application June 2, 1936, Serial No. 83,134
In Japan October 10, 1935
2 Claims. (Cl. 180—83)



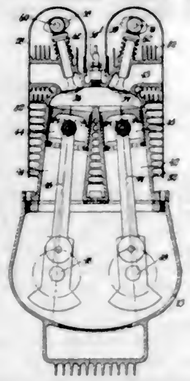
1. An emergency stopping device for motor cars, comprising a bumper, brake and clutch operating levers, a spring-actuated plunger slidable in a casing and having a cross pin for directly operating said levers, a pinion and a ratchet wheel mounted on a shaft, said pinion engaging a rack on the plunger for moving the plunger to energize its actuating spring, said spring also being arranged in the casing, a pawl engaging the ratchet wheel to hold the spring in energized condition and means operable by pressure transmitted from the bumper or applied by the operator for disengaging said pawl from the ratchet wheel to release the spring.

2,097,741
VALVE MECHANISM IN INTERNAL COMBUSTION ENGINES OF THE OPPOSED PISTON TYPE
Ernst Schmid, Annecy, Haute-Savoie, France
Application January 22, 1936, Serial No. 60,287
In Germany February 5, 1935
4 Claims. (Cl. 123—51)



3. In an internal combustion engine, the combination comprising two opposed pistons, a common cylinder having the same inner cross section throughout for said opposed pistons and having inlet and exhaust ports in an intermediate zone of said cylinder of uniform cross section, a sleeve valve for each piston free from ports and of relatively thin material interposed between the piston and the interior wall of said cylinder and sliding on said interior wall up to and beyond the respective ports of the cylinder, one of said sleeve valves controlling the inlet port and the other controlling the exhaust port, said sleeve valves controlling said ports by their inner edges which slide across said ports and beyond the same in cooperation with said constant cross sectional inner wall of said cylinder.

2,097,742
ACCESSORY DRIVE MECHANISM
Bateman David Scott, Camp, Miserden, near Stroud, England
Application January 8, 1935, Serial No. 910
In Great Britain January 8, 1934
3 Claims. (Cl. 123—195)



1. In an engine of the multi-cylinder type more particularly for aerial propulsion, a driving mechanism comprising parallel crankshafts, a plurality of shafts including cam-shafts connected to the elements of said engine such as valve gear, pumps and other accessories, cranks disposed upon all of these shafts, main and auxiliary frames connecting said cranks in driving relation thereto, means for operating said frames in concordance with the rotation of the crankshafts including a reduction gearing for actuating the main frame at substantially quarter engine speed, and gearing for actuating the auxiliary frames at substantially engine speed.

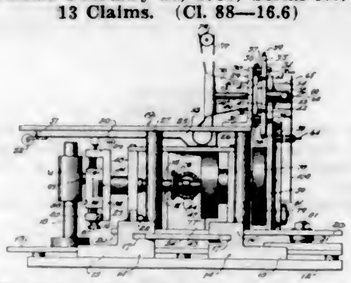
2,097,743
METHOD FOR THE RECOVERY OF TERPENES FROM MIXTURES CONTAINING THE SAME
Donald H. Sheffield, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 15, 1934, Serial No. 753,130
14 Claims. (Cl. 260—167)

1. The method for the recovery of terpenes from a non-fractionable mixture containing a pinene which includes treating the mixture to isomerize the pinene to a terpene having a boiling point different from that of pinene, subjecting the treated mixture to fractional distillation and recovering the said terpene.

2,097,744
METHOD FOR THE ISOMERIZATION OF PINENE
Donald H. Sheffield, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 15, 1934, Serial No. 753,131
7 Claims. (Cl. 260—167)

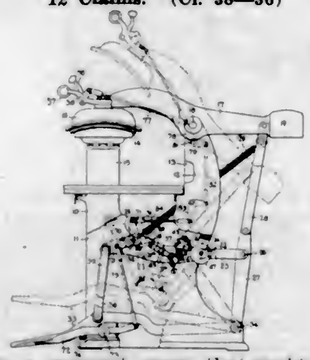
1. The method of producing dipentene and terpinene by isomerization of a pinene which includes heating a pinene with phosphoric acid at a temperature of from about 70° C. to about 100° C.

2,097,745
APPARATUS FOR MAKING MOVING PICTURES IN DEPTH
Harry Smith, Los Angeles, Calif., assignor of one-third to John H. McCoy, and four per cent to Carmine Morrell, both of Los Angeles, Calif.
Application February 25, 1936, Serial No. 65,729
13 Claims. (Cl. 88—16.6)



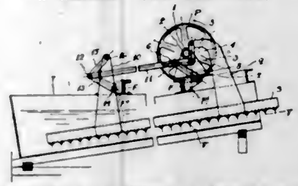
1. In an apparatus for the purpose set forth, a base structure, a holder structure arranged over said base structure including a lens carrier guide at its front, a lens carrier mounted in said guide, means for pivotally connecting said holder structure to said base structure, said structures having coacting inter-engaging means for slidably connecting the holder structure to the base structure intermediate the ends of the latter, a driving mechanism, an operating shaft journaled in said holder structure lengthwise of the latter and driven from said mechanism, said shaft and carrier having coacting inter-engaging parts for reciprocating the carrier on the operation of said shaft, a vertically and horizontally movable element mounted over the base structure and formed with a stud, an adjustable gage structure permanently encompassing and revoluble about said stud, bodily carried by said shaft and including an adjustable part providing when adjusted for bodily carrying said element therewith, to angularly position the holder structure relative to the base structure and to provide for the oscillating of the holder structure simultaneously with the reciprocation of the carrier.

2,097,746
GARMENT PRESSING MACHINE
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 19, 1936, Serial No. 69,698
12 Claims. (Cl. 38—36)



11. In a garment press, the combination of cooperating relatively movable pressing members; toggles for effectuating said movement; locking means for at least one of said toggles attached to and carried thereby to hold the toggles in pressure applying position; a lock holding said locking means in its locking position; and means under the control of the operator for releasing the lock.

2,097,747
RECIPROCATING SCRAPING MACHINE
Kyo Suzuki, Hitachi-machi, Tagagun, Ibaraki-ken, Japan, assignor to Nihon Kogyo Kabushiki Kaisha, Tokyo, Japan
Application August 19, 1936, Serial No. 96,890
In Japan September 13, 1935
1 Claim. (Cl. 198—224)



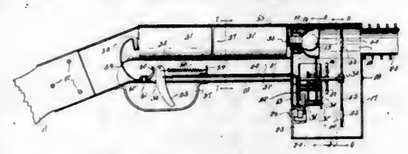
In a scraping machine, a frame, a series of claws carried by said frame, a pin for supporting said frame at each end thereof, means for bodily moving and supporting one of said pins comprising a bell crank having one end thereof connected to one of said pins, rotatable means supporting the central portion of said crank, a swingable link connected to the other end of said crank, means for supporting the other of said pins comprising a fixed support, a link pivoted thereto of a length equal to said first mentioned link, a third link pivoted to the swingable end of said second mentioned link, and having the opposite end pivoted to the other of said pins, the length of said third mentioned link being equal to the distance between the ends of said bell crank, and means connecting said supports positioned at opposite ends of the frame, said last mentioned means being equal in length to the distance between the pivotal points of said swingable links, and means for rotating the central portion of said bell crank whereby both of said frame supporting pins are moved in similar paths to bodily move said frame in one direction in a straight plane and in a raised curved path during the reversal thereof.

2,097,748
AIR-COOLED SAFETY TIRE
Earl Von Bon Horst, San Clemente, Calif.
Application December 28, 1936, Serial No. 117,983
8 Claims. (Cl. 152—10)



1. In a tire, the combination with a primary rim, of an auxiliary metal rim provided with metal legs on said primary rim, said metal legs provided with integral spacing means pressed in from their inner faces, and an inner tube and a shoe on said auxiliary and primary rims.

2,097,749
TOY MACHINE GUN
James T. Wade, Ogden, Utah, assignor of one-third to Samuel E. Ward, Green River, Wyo.
Application November 21, 1935, Serial No. 50,957
9 Claims. (Cl. 46—1)

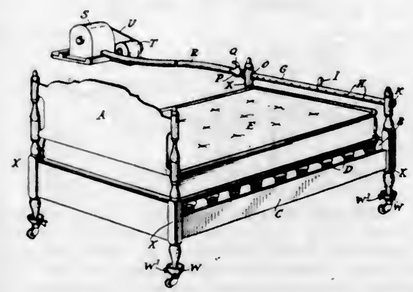


1. A device of the class described, having a barrel, a lamp in line therewith, a motor, a diaphanous member operable by the motor in line with the lamp and barrel, and a common means operable to energize the lamp and permit operation of the motor.

2,097,750
SYNTHESIS OF ALKYL HALIDES
Herrick R. Arnold, Elmhurst, and Edward T. Lessig, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1931, Serial No. 517,630
13 Claims. (Cl. 260—166)

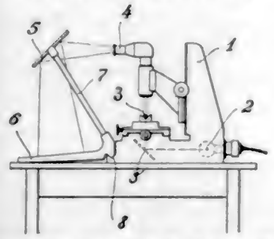
1. In the process of preparing an alkyl halide, the step which comprises bringing a gaseous mixture of an olefine hydrocarbon and a hydrogen halide into contact with a catalyst comprising essentially a halide of a metal of Group II, Sub-group B, of the Periodic Table.

2,097,751
BODY-RESTING DEVICE
Michael Baltich, Cold Spring, N. Y.
Application May 18, 1936, Serial No. 80,298
2 Claims. (Cl. 5—284)



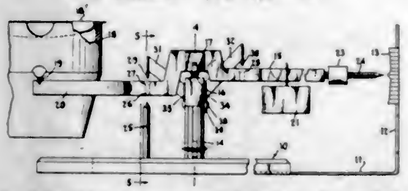
1. A body-resting device comprising a bedstead having two bed posts, an air pump, a conduit leading from said air pump to the first of said bed posts, a manually operable valve in said conduit disposed adjacent said first bed post, a tube rotatably journalled in said two bed posts, said tube having a plurality of apertures disposed in a straight line, one end of said tube being connected to said valve, the opposite end of said tube being closed by a plug carried in the second bed post, and means for rotating said tube, whereby air forced in jets through said apertures by the pressure generated by the pump may be directed at any desired angle to the vertical.

2,097,752
WORKSHOP MICROSCOPE
Helmut Becker, Wetzlar, Germany, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany
Application March 18, 1935, Serial No. 11,569
In Germany March 19, 1934
1 Claim. (Cl. 88—24)



In a workshop microscope, a microscope member, a foot part for said member having a laterally extending groove in its inner end and adapted to be supported on a table, and including a lamp and an object holder, a reflector below said object holder to reflect the light of said lamp onto a projection objective combined with said microscope, an angularly disposed mirror upon which the image of the object on its holder is projected by said objective, a plate means adapted to be positioned on said table onto which the image of the object is reflected from said angularly disposed mirror to be traced on said plate, and an inclined rod supporting said angularly disposed mirror at its upper end and secured at its lower end in the frame of said plate, said plate having a projection on its lower, outer end below said objective to engage in the groove in the foot part of the microscope to permit a ready manual adjustment of the angularly disposed mirror relatively to the microscope.

2,097,753
BALANCE
Harry Bennett, New York, N. Y.
Application January 23, 1936, Serial No. 60,401
6 Claims. (Cl. 265—49)

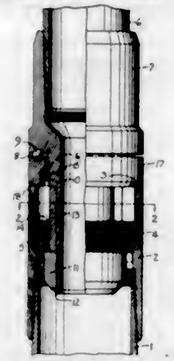


1. A balance comprising a base, an oscillatable beam mounted upon a suitable standard extending upwardly from the base, said beam being provided with recesses in the upper surface of its opposite arms, and means movably carried by the standard for engaging said recesses in the beam to hold the latter firmly to the said standard.

2,097,754
STENCIL SHEET
George Burt Bradshaw, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1935, Serial No. 56,320
5 Claims. (Cl. 41—38.6)

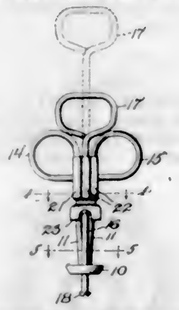
5. A stencil sheet comprising a flexible, ink permeable base sheet having a coating solution applied thereto, comprising a plasticizer, a tempering agent, and methyl methacrylate, said coated sheet being capable of being cut by type.

2,097,755
LINER SETTING TOOL
Cicero C. Brown, Houston, Tex.
Application August 27, 1936, Serial No. 98,191
2 Claims. (Cl. 166—1)



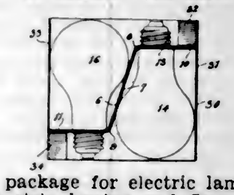
1. A device for setting pipe in wells including a sleeve at the upper end of said pipe, a seat on said sleeve, a locking collar having a lefthand threaded engagement on the interior of said sleeve, a setting nipple, a mandrel thereon in said sleeve, a ring on said mandrel engaging in said seat, a shoulder on said mandrel below said collar, and means on said mandrel to slidably engage said locking collar and by rotation screw it up away from engagement with said sleeve while said ring is engaging said seat and supporting said nipple thereon.

2,097,756
FRUIT PITTER
John Clark Brown, New York, N. Y.
Application November 13, 1935, Serial No. 49,488
2 Claims. (Cl. 146—21)



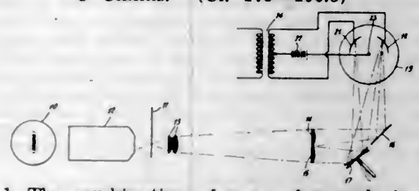
2. A fruit pitter comprising a wire bent to form an annular seat and then bowed rearwardly and upwardly and then extended in spaced parallel relation and bent over at the top to form outwardly extending finger loops, a second wire slidable between the parallel parts of the first wire and having a finger loop at the top and an annular projecting cutting edge at the bottom, and a clip enclosing the parallel parts of the first wire and the second wire and having a forked bottom end through which the second wire passes for stripping fruit therefrom.

2,097,757
PACKAGE FOR ELECTRIC LAMPS OR SIMILAR ARTICLES
Fred. H. Deike, Long Beach, N. Y., assignor of one-fifth to Harry Radzinsky, New York, N. Y.
Application November 24, 1936, Serial No. 112,493
10 Claims. (Cl. 229—6)



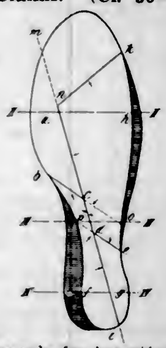
1. In a package for electric lamps or similar articles, a strip having end flaps extending in opposite directions from the center portion of the strip, said end flaps being apertured to receive and hold the bases of the lamps whereby a lamp received and held by one of the flaps extends in a direction opposite to that held by the other flap, said center portion of the strip extending between and connecting the flaps and forming a partition between the lamps and an enclosure for the strip and lamps held by it.

2,097,758
REPRODUCTION OF SOUND
Glenn L. Dimmick, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 19, 1935, Serial No. 2,460
5 Claims. (Cl. 179—100.3)



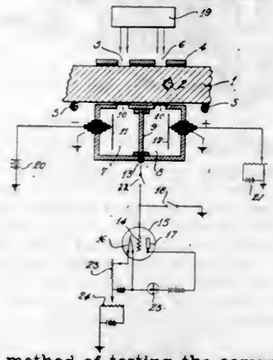
1. The combination of means for producing a plurality of acoustically modulated light beams, a light sensitive device provided with a plurality of cathodes, means for directing selected portions of said beam, separate cathodes and means for selectively directing said portions to a single cathode.

2,097,759
CORRECTIVE SOLE
Edward Ehrlich, Amsterdam, Netherlands
Application November 24, 1934, Serial No. 754,563
In Great Britain November 30, 1933
2 Claims. (Cl. 36—71)



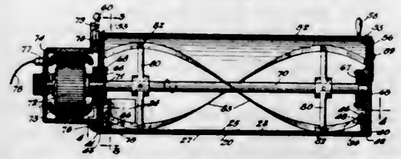
1. A corrective sole for insertion in shoes characterized by opposed inclined lever-acting planes on its foot-supporting surface located in front of and in the rear of the shank portion of the sole, said planes being formed by elevated portions tapering in thickness from the opposite edges of said sole and meeting only in the shank thereof in a line which is inclined with respect to the longitudinal axis of the sole.

2,097,760
TESTING METHOD AND APPARATUS
Gioacchino Failla, New York, N. Y.
Application November 29, 1930, Serial No. 498,959
11 Claims. (Cl. 250—34)



1. The method of testing the composition of a material which comprises producing a beam of X-rays, passing said beam through the material to be tested and through a piece of standard material, controlling ionization currents by controlling the X-rays passed through said materials, balancing the voltage drops due to said ionization currents, varying the quality of the X-rays at the source to determine whether voltage drops become unbalanced, and noting the quality of said X-rays for which unbalance occurs.

2,097,761
HEDGE TRIMMER
Raphael C. Gallinant, Ridgefield Park, N. J., assignor of one-half to John C. Chello, Ridgefield Park, N. J.
Application May 6, 1936, Serial No. 78,100
12 Claims. (Cl. 30—240)



1. In a hedge trimmer having rotary helical knives and a stationary cutter bar cooperative therewith, a plate below and in advance of said cutter bar, said plate having projections on its front edge presenting a multiplicity of angular serrations opposed to the angle of the helix of said helical blades on one side and at right angles with said cutter bar on the other side.

2,097,762
MICROSCOPE
Hermann Heine, Wetzlar, Germany, assignor to Ernst Leitz, Optische Werke, Wetzlar, Germany
Application May 23, 1934, Serial No. 727,052
In Germany May 26, 1933
1 Claim. (Cl. 88—40)

In a microscope system of the class described

including an annular mirror, an illuminator carrier having an inner groove and a recess, a polarizer between said illuminator carrier and said annular mirror, said annular mirror directing the light rays of the illuminator in said carrier reflected therein from above onto the object to be observed through the microscope, a holder engaged in the groove of said carrier, a gypsum

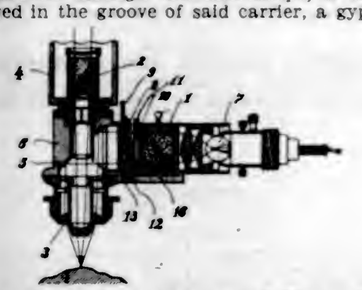


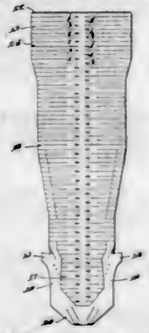
plate exchangeably held in said holder in front of said polarizer, a filter disc in said carrier between said polarizer and said gypsum plate, and a sector diaphragm in the recess of said carrier in front of said polarizer spaced from said filter disc, and a spring in the space between said diaphragm and filter disc engaging both to hold the same in place for ready detachment or insertion and convenient adjustment.

2,097,763

KNITTED STOCKING

Hugo Hemmerich, Wyomissing, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania

Application May 29, 1934, Serial No. 728,084
1 Claim. (Cl. 66—178)



A knitted stocking having at least a portion thereof substantially composed of a multiplicity of series of adjacent yarn zones repeated throughout said portion of the stocking, each of said zones comprising one or more courses of body yarns, the individual zones respectively being knit from yarns of different character including a braided yarn, said zones being selectively commingled to give to the fabric a characteristic which is the resultant of the individual characteristics of said zones.

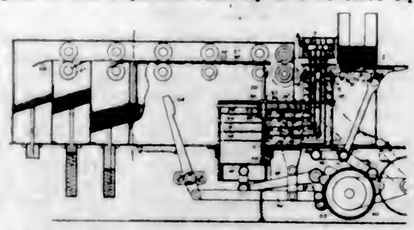
2,097,764

MACHINE FOR SORTING PUNCHED CARDS MECHANICALLY AND ELECTRICALLY

Marcel Jacob, Paris, France, assignor to William A. Preston, Binghamton, N. Y.

Application December 9, 1933, Serial No. 701,610
In France December 10, 1932
5 Claims. (Cl. 209—110)

1. A machine for sorting punched cards, which comprises in combination, a plurality of bins for said cards, means for conveying said cards one by one toward said bins, a plurality of movable blades lying across the path of travel of said cards, said blades being so connected with said bins respectively that the lifting of one blade causes the next card moving toward said blade to fall into the corresponding bin, said blades being piled upon one another and the pile thus formed being provided with a plurality of parallel elongated holes the bottoms of which are stepped in the longitudinal direction of said holes each step corresponding to one blade, the maximum depth of one hole being smaller than the minimum depth of the adjacent hole by a difference equal



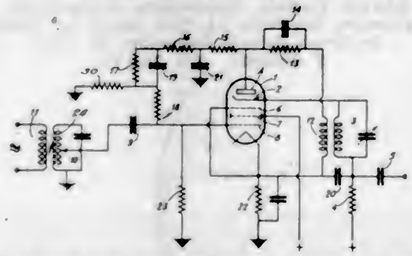
to the thickness of a blade, a support movable in a horizontal direction parallelly to said holes, a plurality of elements vertically slidable in said support disposed in a line transverse to each of said holes, means for controlling the position of said support with respect to said blades, a vertically slidable element movable in a horizontal direction at right angles to the direction of displacement of said support, means for controlling the position of said element in the last mentioned direction, reading means operative by the perforations in said cards for controlling both the last mentioned means and the displacements of said support, and means operatively interconnected with the means for conveying the cards for moving said element in the vertical direction.

2,097,765

REGENERATIVE RADIO RECEIVER

Ernst Klotz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 31, 1935, Serial No. 33,999
In Germany July 25, 1934
6 Claims. (Cl. 250—20)



1. A combined amplifying and detecting device for modulated high frequency signal currents comprising the combination of a vacuum tube having a cathode, an anode and a signal control grid and a second grid located in the electron stream between said anode and cathode, means for impressing the signal currents on said control grid, an output circuit connected to said second grid and including the series connection

of a high resistance and a coil, a condenser having a low impedance to currents of the modulation frequency connected to one end of said resistance, a connection between said anode and cathode including the series connection of a resistor and a second coil, said coils being inductively coupled together, and a direct current connection between said anode and cathode and including at least two resistors connected in series, said resistors being arranged to also transfer the modulation potentials of said anode to said signal control grid.

2,097,766

MEANS FOR PRODUCING MUSHROOMS

Herman Knaust and Henry Knaust, West Camp, N. Y.

No Drawing. Original application August 2, 1934, Serial No. 738,118. Divided and this application March 12, 1936, Serial No. 68,450
4 Claims. (Cl. 47—37)

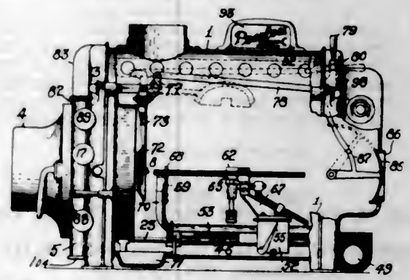
1. For use in the production of mushrooms, in combination, an open top transportable container having marginal walls of sufficient height to safely retain a mushroom growing bed therein during transportation and shipment of the container and of sufficient strength to permit stacking of large numbers of said containers in staggered and over-lapping relation in a growing zone, a bed of development-supporting material within said container impregnated with mycelium in dormant condition, and a layer of sterilized earthen material upon said bed.

2,097,767

PROJECTOR LAMP

John E. McAuley and Guy R. Trevillian, Chicago, Ill., assignors to J. E. McAuley Mfg. Co., Chicago, Ill., a corporation of Delaware

Application September 21, 1935, Serial No. 41,551
19 Claims. (Cl. 176—51)



1. In a projector lamp, a pair of complementary shields normally lying in operative position to each side of the negative electrode to protect the mirror during striking of the arc, means for pivoting said shields at the top of the lamp, operating means for rotating said shields to lie at the top of the lamp, and means for simultaneously turning said shields to clear the lamp parts.

2,097,768

METHOD OF ROLLING ALLOYS

Frederick T. McCurdy, Kokomo, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application March 19, 1935, Serial No. 11,814
2 Claims. (Cl. 80—60)

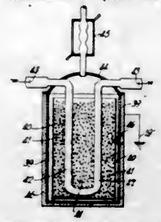
1. Method of forming stainless and wear resistant metal sheets and plates which comprises hot rolling at a temperature between 1900° F. and 2150° F. a billet of an alloy having substantially the composition: 15% to 35% chromium, 2% to 6% metal of the group tungsten and molybdenum, carbon in amounts up to about 1.25%, and the remainder principally cobalt; the billet being reheated to rolling temperature after each reduction in thickness of not over 0.015 inch until a total reduction of about 0.125 inch has been effected, and the billet thereafter being reheated to rolling temperature after each reduction in thickness of not over 0.03 inch.

2,097,769

TREATMENT OF HYDROCARBONS

Waldemar O. Mitscherling, Bridgeport, Conn., assignor to The Neon Research Corporation, Bridgeport, Conn., a corporation of Connecticut

Original application April 28, 1931, Serial No. 533,406. Divided and this application June 1, 1935, Serial No. 24,477
12 Claims. (Cl. 204—31)



1. An apparatus for use in the conversion of a hydrocarbon comprising in combination a positive column rare gas tube surrounded by a jacket provided with inlet and outlet openings whereby said hydrocarbon may be passed through said jacket and about said tube to convert said hydrocarbon, said jacket being partially surrounded with a metallic material which is grounded.

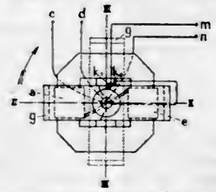
12. An apparatus for converting a hydrocarbon into an oxygenated compound, comprising in combination a container for said hydrocarbon, a foraminous member in said container, a catalytic material upon said member, a rare gas vacuum tube having electrodes at the ends thereof and in which electric current is conducted by ions of the rare gas positioned at least partly within said container and at least partly surrounded with said catalytic material, means for passing said hydrocarbon to the rare gas tube and the catalytic material, and means for withdrawing the treated hydrocarbon from said container.

2,097,770

TRANSFORMER

Jan Morelisse, Amsterdam, Netherlands

Application January 21, 1937, Serial No. 121,614
In the Netherlands January 25, 1936
1 Claim. (Cl. 171—119)



A regulable single-phase transformer of the core type comprising in combination, a yoke, a

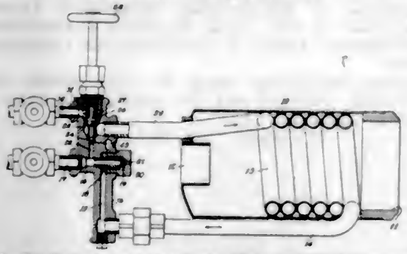
primary winding and a secondary winding on said yoke, and an auxiliary winding embracing said yoke and connected in series with one of said windings, said auxiliary winding being arranged to be rotated for adjustment about said yoke about an axis perpendicular to the surface of said yoke.

2,097,771

COMBINED ATOMIZING AND VAPORIZING TORCH

Seddon C. Nelson, New York, N. Y., assignor to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York

Application July 23, 1936, Serial No. 92,094
2 Claims. (Cl. 158—79)



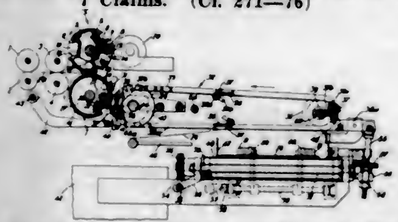
1. In burner apparatus: the combination with a burner head provided with an inlet and a mouth, and a heating coil mounted in the head; of a nozzle element embodying an inner and an outer orifice axially displaced for directing fuel axially into said burner head inlet, a fuel connection to the nozzle element, a source of air supply, means for connecting the latter to one end of the heating coil, means connecting the other end of the said coil to the nozzle element for discharge through the outer of its orifices only, and a duplex valve member adapted to communicate with the said fuel connection and with the said source of air supply to afford alternatively air or fuel to the said heating coil and through the same to the nozzle element.

2,097,772

ENVELOPE OR BAG MAKING MACHINERY

Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York

Application December 12, 1933, Serial No. 701,948
7 Claims. (Cl. 271—76)



1. In a bag machine, in combination, a feeding cylinder, a gripper carried thereby, a conveyor running in juxtaposition with the periphery of the feeding cylinder, said conveyor including a crossbar cooperative with the face of the cylinder to grip and positively advance a blank, a gripper carried by the conveyor, and means for transferring the leading end of a bag blanks from the cylinder gripper to the conveyor gripper while the blank is gripped between the conveyor cross bar and the cylinder surface.

2,097,773

STABILIZED COLORED GASOLINE

John Wesley Orelup, East Orange, N. J., assignor, by mesne assignments, to Patent Fuels & Color Corporation, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application May 27, 1929
Serial No. 366,523
6 Claims. (Cl. 44—9)

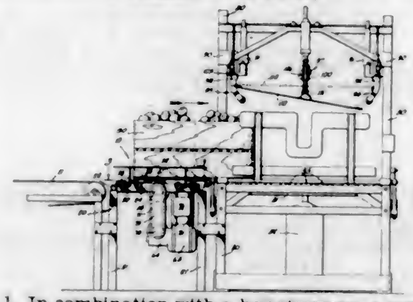
4. A mixture of a petroleum distillate and an organic coloring material not normally yielding a substantial degree of fluorescence in admixture with said distillate but having latent fluorescent properties, together with a stabilizing agent of the hydrophobe type imparting stability to the mixture of distillate and dye and developing the fluorescence of said dye.

2,097,774

BOX FEEDING DEVICE FOR STRAPPING MACHINES

Gerald C. Paxton, Santa Ana, Calif., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application February 10, 1937, Serial No. 125,097
5 Claims. (Cl. 1—10)



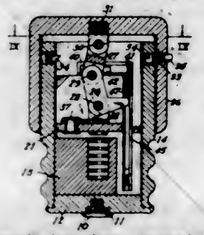
1. In combination with a box strapper: a power actuated feed conveyor adapted to receive boxes one at a time and discharge them one at a time into said strapper; and means on said strapper for starting said feed conveyor simultaneously with the placement of a strap in said strapper.

2,097,775

CIRCUIT BREAKER

Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.

Application April 10, 1937, Serial No. 136,112
15 Claims. (Cl. 200—116)



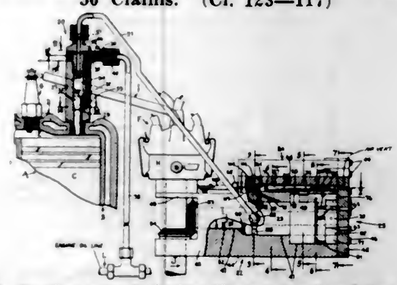
1. In a circuit breaker, movable contacts for opening and closing the circuit, resilient means biasing said contacts to the open circuit position, a thermally responsive element movable with said contacts, means electrically connecting said thermally responsive element in series circuit relation with said contacts, means including said element for normally latching said contacts in the closed position and for unlatching said contacts in response to a movement of said element, and means responsive to said movement for shunt-circuiting said element.

2,097,776

IGNITION CONTROL DEVICE

Carlyle L. Prentice, New York, N. Y.

Application July 25, 1935, Serial No. 33,008
50 Claims. (Cl. 123—117)



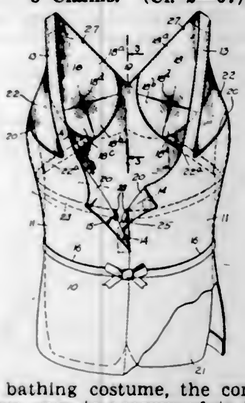
1. In the art of timing the successive firings of the combustion charge in the cylinder of an internal combustion engine employing the Otto cycle and wherein the load and speed may vary between successive firings of the charge, the method which consists in varying the timing of the ignition point so as to be automatically responsive to variations in load and speed and wherein at each firing stroke of the piston the charge will be ignited at that point in engine piston movement which will cause the peak pressure after the charge is fired to be approximately equal to double the pressure at the instant of time when the engine piston is at the top of its cycle of travel preceding its power stroke.

2,097,777

BATHING COSTUME

Emanuel M. Rothman, Philadelphia, Pa.

Application December 31, 1935, Serial No. 56,893
8 Claims. (Cl. 2—67)



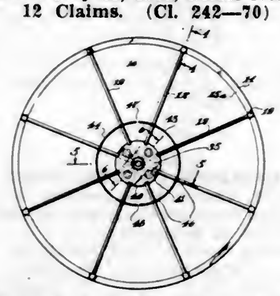
1. In a bathing costume, the combination of an overdress open to accommodate the neck and arms of the wearer, and a foundation lining connected to the overdress along the opening thereof, comprising breast covering pockets and elastic means passing from the pockets about the body of the wearer inside the foundation lining, the latter including guides formed in the foundation, each guide beginning at a pocket and being inclined downwardly to the side of the garment, said means comprising elastic bands traversing said guides and emerging therefrom at the sides of the garment, and separable fastening means for the free ends of the bands at the back of the garment.

2,097,778

FILM REEL CONSTRUCTION

Eugene Louis Schaub, Middle Village, Long Island, N. Y., assignor to Frank Ackerman and Herman Gould, New York, N. Y., a copartnership

Application July 28, 1934, Serial No. 737,371
12 Claims. (Cl. 242—70)



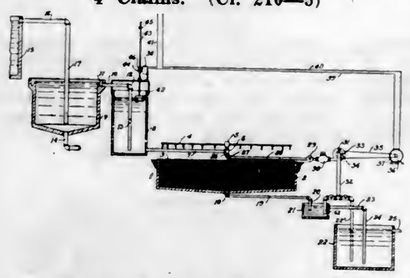
1. A film reel comprising in combination, side flanges comprising a ring-shaped rim and including wire spokes, the peripheral ends whereof are connected to and included within said ring-shaped rim, portions of said spokes adjacent the axial ends thereof being offset, a hub assembly for the axial ends including a cylindrical spacer, and side plates positioned in the plane of said offset portions of said spokes, including seats for said spokes.

2,097,779

MEANS FOR PURIFYING POLLUTED LIQUIDS

Charles H. Shook, Dayton, Ohio

Application April 29, 1935, Serial No. 18,925
4 Claims. (Cl. 210—5)



1. In an apparatus of the type described, a dosage tank to receive polluted liquids, a trickling filter, means to receive the filtered liquid, a single conduit for delivering liquid from said dosage tank to the trickling filter and piping for returning the filtered liquid from the filtered liquid receiving means to said conduit for passage therethrough to said dosage tank for recirculation through the filter.

2,097,780

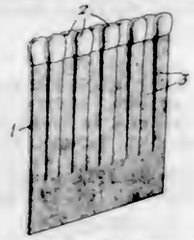
SLOW BURNING MATCH

Herman Silver, East Orange, N. J.

Application February 20, 1936, Serial No. 64,861
2 Claims. (Cl. 44—44)

1. A match comprising a stem of combustible fibrous material having porosity and texture of

the order of card-board and containing sodium nitrate uniformly distributed in its pores, and an igniting head, whereby said stem will relative-



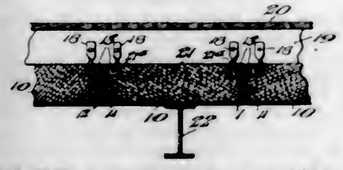
ly slowly but persistently burn and glow after extinguishment of the flame produced from ignition of said head.

2,097,781

BUILDING CONSTRUCTION

Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware

Application April 6, 1933, Serial No. 664,703
7 Claims. (Cl. 72—118)



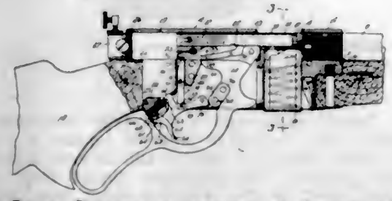
1. A building construction comprising a support, a unit comprising a pan having hook shaped portions and an interior fill of cementitious material, and means engaging said hook shaped portions and attachable to said support.

2,097,782

FIREARM

Marriner A. Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah

Original application May 27, 1935, Serial No. 23,561. Divided and this application June 2, 1936, Serial No. 83,048
4 Claims. (Cl. 42—70)



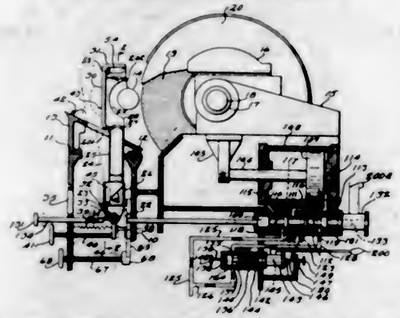
1. In a firearm, a receiver, a breech block slidably mounted therein, a striker slidably mounted in said breech block, a sear pivoted to said breech block and adapted to cooperate with said striker to hold the same in cocked position, a trigger, a safety directly cooperating with said trigger for preventing pulling thereof, and a connector engageable with said trigger and sear and adapted to release the sear from the striker when the trigger is pulled, said connector and sear having interengaging means for preventing the sear from being jarred out of striker holding position when said safety is in "on" position.

2,097,783

GRINDING MACHINE

Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 9, 1935, Serial No. 44,204
4 Claims. (Cl. 51—165)



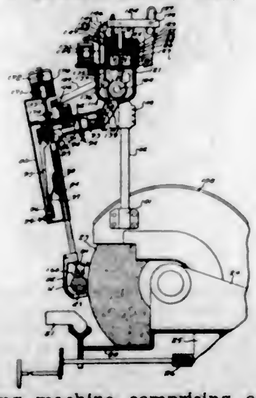
1. In an external cylindrical grinding machine, means for holding and rotating a work piece to be ground, a grinding wheel, means for procuring a cutting advance between said means and said grinding wheel, a support for optical apparatus including a long tube, lenses in the tube, a light source at one end of the tube, a photoelectric cell fixed with relation to the support and located with respect to the light source and the lenses so that it will conditionally receive light from the source via the lenses, means for altering the cutting advance of the work piece, and amplifying means responsive to the photoelectric cell operating the means for altering the cutting advance, the support being so located with relation to the means for holding and rotating the work piece that an oversized work piece intercepts some of the rays from the light source and at a particular size of the work piece the photoelectric cell is energized.

2,097,784

CALIPERING APPARATUS

Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application May 21, 1936, Serial No. 80,949
1 Claim. (Cl. 51—165)



A grinding machine comprising a rotatable grinding wheel and a work support which are movable relatively towards and from each other, a feeding mechanism to cause such relative

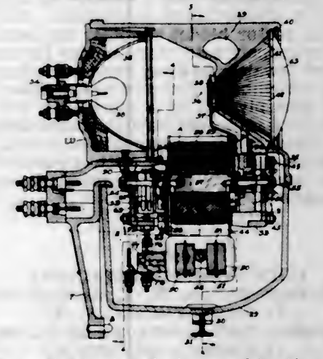
movement, a gauging device including a work engaging feeler having an arcuate work contacting portion arranged continuously to engage the work during grinding, which device controls said feeding mechanism, means actuated by movement of said feeler as the work is reduced in size to move said gauging device away from the work when the work has been ground to a predetermined size moving said device in a direction substantially that of a segment of the arcuate portion of the feeler, and further means acting substantially simultaneously with said last named means to move the arcuate work engaging feeler in a direction substantially radial of said arcuate contacting portion.

2,097,785

LIGHT SIGNAL FOR RAILROADS

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 23, 1930, Serial No. 470,056
5 Claims. (Cl. 177—329)



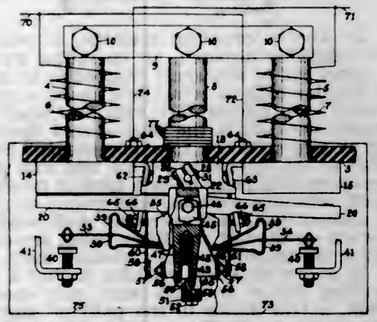
1. In a light signal, in combination with a light source, a conical tube positioned to allow light from the source to pass through it from the small to the large end, to the outside of the signal, and longitudinal corrugations on the inner surface of said tube for diffusing light entering the same from the outside before such light can reach the light source.

2,097,786

RELAY

Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application March 19, 1935, Serial No. 11,838
13 Claims. (Cl. 172—126)



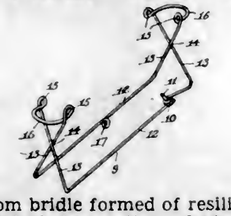
1. In a relay of the oscillating armature type, a pivoted armature, two electro-magnets one on each side of the pivotal axis of the armature whereby the armature is swung in one direction or the other according to the selective energization of the electro-magnets, a contact-operating arm for effecting alternate energization of the electro-magnets, an actuating arm on the armature, a rigid biased toggle link operatively connecting the contact-operating arm and the actuating arm, said toggle link being arranged to snap operate the contact-operating arm only during the latter quarter portion of the travel of the actuating arm and in an opposite direction to said travel.

2,097,787

BROOM GUARD OR BRIDLE

Albert D. Fiveshilling, Boston, N. Y.

Application September 3, 1936, Serial No. 99,255
3 Claims. (Cl. 15—170)



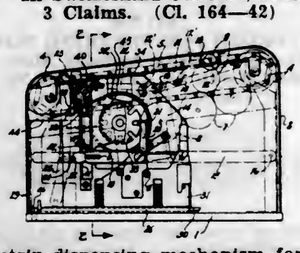
3. A broom bridle formed of resilient wire bent at two points between its ends to form saddle members adapted to embrace the edge of a broom-head, coils at the inner ends of each of said saddle members, crossed end members extending from the coils at each end of said bridle, and side members connecting said crossed end members, one end of said wire being provided with an eye at one of said side members and the other with a stud adapted to be passed through said eye and extend beyond the latter, said side members being held in definitely spaced relation under the action of said saddle members with sufficient force to clamp a broom-head from opposite sides when placed therebetween, said stud being adapted to engage the opposite side member to hold both members in closely related position when the bridle is removed from the broom.

2,097,788

STRIP DISPENSING MECHANISM

Carl Fürrer, Guggithal, Zug, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a corporation of Switzerland

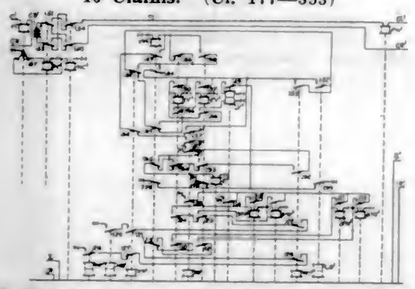
Application June 19, 1934, Serial No. 731,241
In Switzerland June 23, 1933
3 Claims. (Cl. 164—42)



3. A strip dispensing mechanism for dispensing tickets, stamps and the like, including in combination a closed casing, and within the casing a strip supply magazine, a drum rotatably mounted with the magazine for guiding and feeding a strip issuing from the magazine, selecting means and cooperating devices mounted externally of the magazine but connectible with said drum for moving the drum different amounts for dispensing various selected lengths of strip from the magazine, strip-cutting means, said

magazine forming an assembled unit which is removable from and insertible into the casing and means automatically operable by said magazine upon its removal for locking said drum against rotation when the magazine is removed.

2,097,789
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
William D. Halles, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 30, 1935, Serial No. 33,826
10 Claims. (Cl. 177—353)



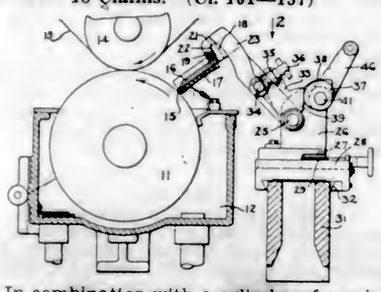
1. In a remote control system, a control office, a first station and a second station, a primary line circuit connecting said office with said first station, a secondary line circuit connecting said first station with said second station, stepping mechanisms at said office and at said stations, means for operating all said mechanisms in synchronism through a plurality of cycles, means at said second station controlled by said mechanism at that station for applying a first series of impulses to said secondary line circuit during a first one of said cycles to form a code, means at said first station rendered effective by said mechanism at that station for receiving and storing said first series of impulses during said first cycle, means at said first station including said storing means and said mechanism at that station for applying a second series of impulses corresponding to said first series to said primary line circuit during a second one of said cycles to form a duplicate of said code, and means at said control office controlled by said mechanism at the office and responsive to said second series of impulses, whereby distinctive messages are conveyed to said office from said second station.

2,097,790
RAISING BRUSH FOR SHEARING MACHINES
Frank H. Hardy, Andover, Mass.
Application March 13, 1936, Serial No. 68,590
2 Claims. (Cl. 15—181)



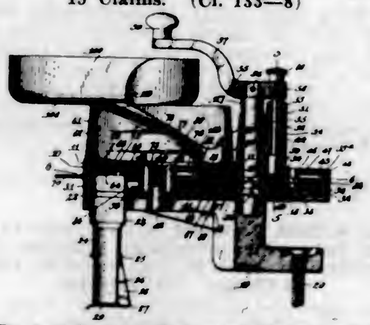
1. A raising brush for shearing machines comprising in combination a heavy metallic core, a plurality of bristle-clad cylindrical wooden sections of a length substantially approximating their outside diameter and sufficient to receive many hundreds of tufts of bristles, such sections being coaxially mounted on such core end-to-end and rotated thereon relatively to each other to bring the brush into dynamic balance, and means for removably clamping the several sections in operatively immovable relation after the balancing has been accomplished.

2,097,791
INTAGLIO PRINTING MACHINE
Franz Heller, Long Island City, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application August 3, 1935, Serial No. 34,518
18 Claims. (Cl. 101—157)



1. In combination with a cylinder of a printing machine, a doctor blade mechanism, comprising a flexible doctor blade, a holder for said blade, means to support said blade holder for swinging movement toward and away from said cylinder including, a member connected to the blade holder and an arm pivoted to a stationary part, said member and said arm having cooperating relatively slidable portions, arcuate in form, to adjust said blade angularly with respect to said cylinder, and means to releasably lock said arm to the stationary part.

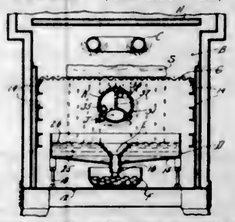
2,097,792
COIN COUNTING MACHINE
Jack W. Hess, Buffalo, N. Y., assignor to Jacob L. Stern, Buffalo, N. Y.
Application April 6, 1932, Serial No. 603,561
15 Claims. (Cl. 133—8)



4. In a coin counting machine, a rotatable shaft vertically disposed, an operating lever at the upper end of said shaft adapted to be moved in a circular path to rotate said shaft, a spring-actuated stop pin parallel with said shaft and normally held out of the path of said operating lever by said spring, a rotatable element having a lifter wedge thereon to elevate said stop pin at a predetermined point in each cycle of movement of said rotatable element, and means to rotate said element from said operating shaft, said stop pin when elevated by said lifter wedge preventing rotative movement of said operating shaft.

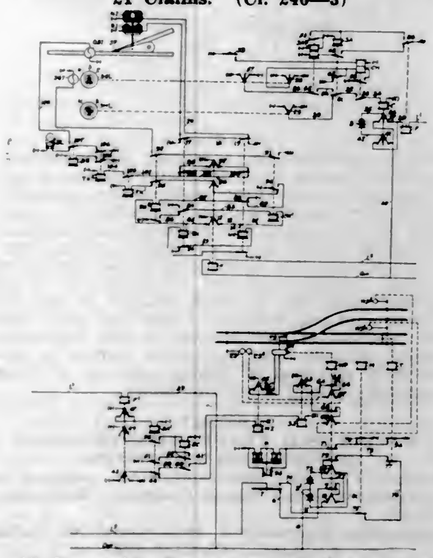
9. In a coin counting machine having a coin-conveying device provided with coin openings therein, a trip device in the path of said coin openings adapted to be controlled in action by coins conveyed in said coin openings, a counter actuating lever associated with said trip device and caused to move into either of two positions under the influence of said trip device, and means rotatable with said coin disk and actuating said counter actuating element only when in one of its two positions.

2,097,793
MEANS FOR COOKING
Carter M. Howell, Los Angeles, Calif.
Application July 9, 1934, Serial No. 734,304
2 Claims. (Cl. 126—41)



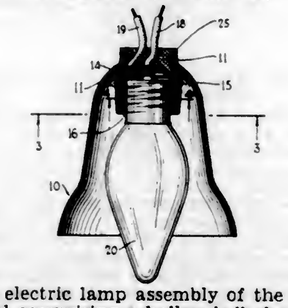
1. Means for cooking food comprising a heating element, means for supporting food above said heating element, means providing a casing above and integral with said heating element, and means for the circulation of a cooling medium through said casing, whereby greases falling from the food toward the heating element are intercepted by said casing and whereby said casing may be maintained at a relatively low temperature so that greases falling thereon and flowing thereover will not readily ignite.

2,097,794
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 15, 1932, Serial No. 622,649
21 Claims. (Cl. 246—3)



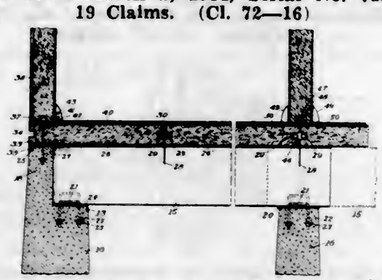
13. In combination, a central office, a distant wayside location on a railway system, two levers in said central office, two polar relays at said wayside location, a line circuit connecting said office and wayside location, and means for causing said line circuit to be temporarily energized by a polarity of current dependent on the position of one of said levers and then be continuously energized by a polarity of current dependent on the position of the other of said levers and including other means for causing one of said relays to be temporarily energized in accordance with said temporary energization of said line circuit and cause said other relay to be energized in accordance with said continuous energization of said line circuit.

2,097,795
ELECTRICAL ILLUMINATING DEVICE
David J. Kelman, Brooklyn, N. Y.
Application December 19, 1935, Serial No. 55,189
3 Claims. (Cl. 240—10)



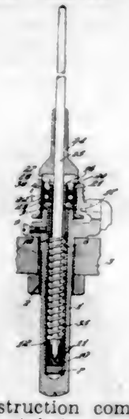
1. An electric lamp assembly of the character described comprising a hollow bell-shaped shade of insulating material having an integral centrally located socket adjacent the upper end thereof, said socket being provided with an upwardly tapered through opening, said socket having the major portion thereof extending inwardly of said shade, a plurality of circumferentially disposed ridges on said inner socket wall substantially parallel to the axis of said socket and a screw contact shell in said socket, said shell having a flared end provided with means for frictionally engaging said ridges to retain said shell in said socket.

2,097,796
DWELLING ASSEMBLED FROM PREFABRICATED UNITS
James H. Kennedy, Lansdowne, Pa., assignor to Magnesium Cement Laboratories, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 2, 1934, Serial No. 713,664
19 Claims. (Cl. 72—16)



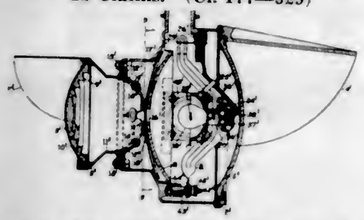
1. In combination in a prefabricated dwelling, a structure and a ceiling hung therefrom comprising a plurality of panels with grooves in adjacent edges, and means for supporting said panels comprising a preformed spline cemented in the grooves of adjacent panels and a suspension device connecting the spline and structure.

2,097,797
SPINNING SPINDLE
George H. Magrath, Whitinsville, Mass., assignor to The Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application September 7, 1934, Serial No. 743,047
7 Claims. (Cl. 308—152)



1. A spindle construction comprising a fixed support, an elongate tubular member rigidly secured to said support and having a closed lower end, a step bearing loosely mounted in said lower end and movable in paths extending transversely of the longitudinal axis of said tubular member, a blade rotatably supported at its lower end on said step bearing, a cylindrical sleeve, the lower end of which is secured to the upper end of said tubular member and the upper end of which projects beyond the end of said tubular member and surrounds said blade, a whirl secured to said blade and surrounding the upper end of said tubular member and sleeve, antifriction bearing members interposed between the upper end of said sleeve and the inner periphery of said whirl, and a coil compression spring interposed between the lower end of said sleeve and said step bearing, said spring being operative yieldingly to restrain the freedom of movement of said step bearing.

2,097,798
LIGHT SIGNAL UNIT
Edmund W. Moore, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 30, 1936, Serial No. 61,589
12 Claims. (Cl. 177—329)



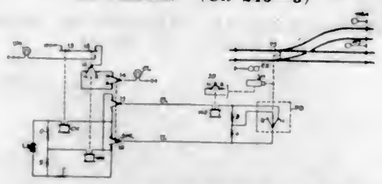
1. In a light signal, in combination, a casing having opposed aligned open ends, a single light source in the casing, two reflecting means positioned to face in opposite directions in the casing, to direct light from said single source simultaneously through the two open ends, one of the reflecting means being as large as either of said open ends, and being apertured, and the other reflecting means being at least equal in size to the aperture and positioned to prevent light from an external source from shining through the casing from open end to open end along the common center line of said open ends.

2,097,799
MANUFACTURE OF SHOES
Harold R. Perry, Swarthmore, Pa., and Chester S. Jennings, Syracuse, N. Y., assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts
Application September 6, 1934, Serial No. 742,890
3 Claims. (Cl. 12—142)



1. The art of manufacturing shoes wherein the shoes are progressively assembled by operations performed at various stations, said shoes in progress containing moisture at the beginning of the assembly operations, characterized in that the shoes are transported by conveyors to and from the stations and that just prior to the arrival of the shoes at certain stations they are conveyed through chambers containing a body of air having a relative humidity of 12% to 20% and maintained at a temperature of 90° to 115° F. whereby the shoes, upon their arrival at such stations, contain that amount of moisture which places them in the most desirable condition for the operations to be performed thereat.

2,097,800
INTERLOCKING SYSTEM FOR RAILROADS
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 24, 1934, Serial No. 754,620
20 Claims. (Cl. 246—3)

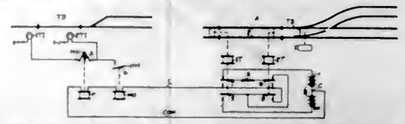


20. In combination; a railway traffic governing device having three different positions; a pair of line wires; means for continuously energizing said line wires with current of distinctive character for controlling the distinctive operation of said governing device; an indication means connected to said line wires; and means controlled by said governing device when moved to its different positions to cause changes in the degree of said energization of said line wires and the direction of energization of said indication means, whereby said indication means is distinctively operated to display any one of three conditions of said governing device.

2,097,801
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Winfred T. Powell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application September 1, 1936, Serial No. 98,906
1 Claim. (Cl. 246—124)

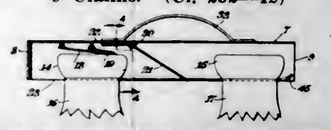
In a system for indicating traffic conditions, a normally deenergized line circuit connecting a central office and two distant track sections each

provided with a track relay, a three position polar relay included in series in said line circuit at said office and responsive to the polarity of energization of said line circuit whenever it is energized, a marginal relay at said office included in series in said line circuit and responsive to a relatively high degree of energization and unresponsive to a relatively low degree of energization, a source of energy and a resistor associated with said distant track sections, circuit means including contacts of said track relays for connecting said source and said resistor in series to supply said line circuit with energy of said low degree



of one polarity or the other in accordance with the dropped away condition of one or the other of said track relays or to supply said line circuit with energy of said high degree of said one polarity when both said track relays are dropped away, two indicators in said office, and circuit means including contacts of said polar and marginal relays for energizing one or the other of said indicators when said line circuit is energized to said relatively low degree with said one or said other polarity and for energizing both said indicators when said line circuit is energized to said relatively high degree.

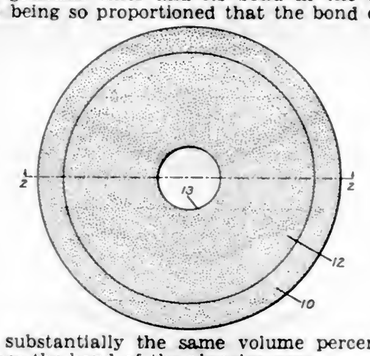
2,097,802
LOCKING DEVICE
Rafael Rivas, New York, N. Y., assignor of one-third to Sidney Weinryb and one-third to Samuel Bluestein, both of New York, N. Y.
Application October 30, 1936, Serial No. 108,340
9 Claims. (Cl. 232—42)



1. In a locking device, a hollow receptacle for supporting an article therein and having an inlet and outlet opening therefor, a gate adjacent said inlet opening and entirely confined within said receptacle, said gate being swingable inwardly towards its open position, a pivotally mounted lever comprising a tongue and an elbow angulated with respect thereto, the tongue being adapted to be operatively actuated by the engagement therewith of said article when positioned within the receptacle, thereby causing a movement of the elbow to a position within the path of said gate, and means for obstructing said outlet opening.

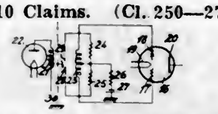
2,097,803
GRINDING WHEEL
Baalis Sanford, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 14, 1935, Serial No. 6,441
2 Claims. (Cl. 51—206)

1. A thin cutting off grinding wheel comprising an outer annular abrasive zone of diamond grains and a reacted resinoid bond compacted and proportioned to provide a dense body and a central supporting zone of a granular filler other than diamond and reacted resinoid bond compacted into a rigid support for the outer zone, said granular filler and its bond in the inner zone being so proportioned that the bond occu-



pies substantially the same volume percentage as does the bond of the abrasive zone.

2,097,804
AMPLITUDE FILTER CIRCUIT FOR TELEVISION RECEIVERS
Kurt Schlesinger, Berlin, Germany
Original application October 5, 1934, Serial No. 747,011. Divided and this application May 1, 1936, Serial No. 77,416. In Germany October 11, 1933
10 Claims. (Cl. 250—27)



1. In a push-pull grid current detector arrangement for grid detection, more particularly in the case of a television signal band of large width, modulated on an ultra-short carrier frequency, an input circuit comprising a transformer and a twin-grid detector valve, the primary of said transformer being coupled to the output of a carrier frequency amplifier, the secondary of said transformer being galvanically coupled at its ends to the two grids of said valve and being tuned by its self-induction and by its natural inherent capacities to the highest side band frequency of the modulated carrier frequency band, said valve comprising at least an anode, a cathode, and said two control grids, said cathode being connected to earth, a grid leak resistance connected between a middle tapping point of said secondary and earth.

2,097,805
PORTABLE SIGN
William H. Walsh, Pasadena, Calif.
Application November 6, 1936, Serial No. 109,449
2 Claims. (Cl. 40—125)

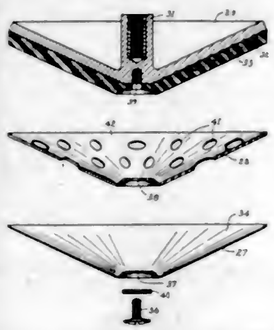


1. A portable sign comprising a board bearing a safety legend on a side thereof, a handle on the board, and an abutment at one end only of the handle, to indicate to a person carrying the sign the relative position of the safety legend.

2,097,806
SURFACING DEVICE
Orrin Weidrich, Kenmore, N. Y.
Application November 23, 1936, Serial No. 112,379
8 Claims. (Cl. 51—197)

1. A rotatable surfacing device comprising a conical shaped supporting member, a layer of

resilient material covering the conical surface of said supporting member, a conical shaped reinforcing disc adapted to fit over said resilient layer, a conical shaped abrasive disc arranged



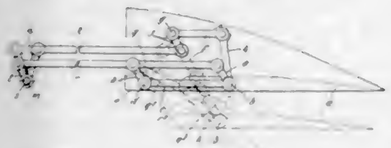
over said reinforcing member and means for removably securing said abrasive and said reinforcing disc to said supporting member at the apices of said cone surfaces.

2,097,807

MECHANISM FOR ACTUATING THE CONTROL SURFACES OF AIRCRAFT

Robert Talbot Youngman, Aldershot, England, assignor to The Fairey Aviation Company Limited, Hayes, England

Application December 1, 1936, Serial No. 113,657
In Great Britain December 13, 1935
9 Claims. (Cl. 244—42)



1. Mechanism for actuating the control surfaces of aircraft including a flap mounted so that it is lowered bodily from its normal retracted position to a position below the wing level and turned to a desired extent about a transverse axis at or near the centre of pressure, the bodily lowering and turning movements of the flap being effected independently and either successively or simultaneously, wherein a lever by which the flap is moved to its lowered position is pivoted at its front end on the aircraft wing and is part of a link and lever mechanism comprising said lever, a second lever parallel therewith and also pivoted at its front end on the aircraft wing, and a link connecting the free ends of said levers, said second lever and said link together constituting a toggle or knuckle jointed strut, the elements of which, when the flap is moved to its lowered position, are straightened out to form one side of a triangulated structure, a second side of which is formed by the first lever, and the third side of which is constituted by the wing structure between the pivotal axes of the first and second levers.

2,097,808

SCALP AIR COOLING SYSTEM FOR PERMANENT HAIR WAVING

Joseph Zoberg, West New York, N. J.

Application December 20, 1934, Serial No. 758,347
4 Claims. (Cl. 132—36)



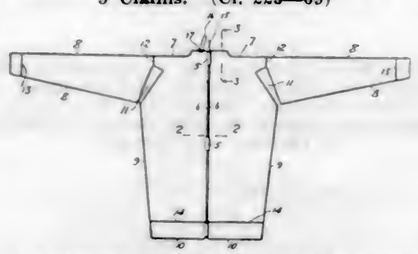
1. In a device of the class described, a plurality of flexible hollow tubular fingers with passages for directing air against the scalp, and means for holding said fingers in position upon the head, while a permanent hair waving apparatus is mounted on the head ready for use, comprising adjustably mounted snap fasteners upon the fingers and engageable with complementary snap fasteners on portions of the hair waving apparatus on the head.

2,097,809

GARMENT STRETCHER

Margaret Burgwin Brock, Muncy, Pa.

Application February 19, 1936, Serial No. 64,674
5 Claims. (Cl. 223—69)



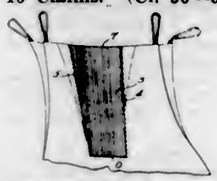
1. A garment stretcher comprising in combination, two halves each forming an arm portion half of a neck portion and half of a body portion in outline, and hinges pivotally securing the two halves together, said halves being provided with openings in the outline between said arm portions and said body portions and extending inward from the side edges of the body portion and of the arm portion of the stretcher to permit garments to enter said openings as said garments are placed on said stretchers.

2,097,810

SHOE GORE

Robert T. Dawes, Hudson, Mass.

Application March 23, 1935, Serial No. 12,614
16 Claims. (Cl. 36—51)



2. A shoe comprising a gore of substantially uniform thickness throughout and having a free upper edge, the gore comprising elastic strands

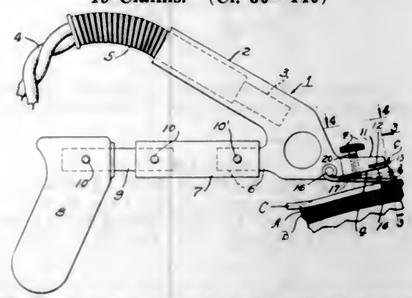
extending substantially parallel to said free edge and all disposed in substantially the same plane, said strands being spaced substantially uniformly apart throughout the gore, the elastic strands adjacent to said edge comprising a greater number of constituent elements than the strands farther from said edge, all of the constituent elastic elements of the several strands being alike in respect to thickness and elasticity.

2,097,811

TIRE GROOVING TOOL

Walter Foley, Los Angeles, Calif.

Application November 3, 1934, Serial No. 751,375
19 Claims. (Cl. 30—140)



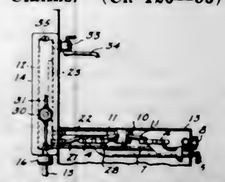
18. In a tire grooving tool, a body member having an upstanding arm portion; an electric heating element connected to said arm portion; a handle member connected to and insulated from said body portion; the forward end of said body member being provided with a slot and a notch; a shoe pivotally connected at one end to said member and being free at its other end and provided with a notch at its free end; a cutting blade provided with a looped portion intermediate its ends and attaching portions extending from the ends of said looped portion, said attaching portions being received in said slot and said looped portion being received in the notch in said body and member and said shoe; and means adjustably secured to said body member and adapted to engage said shoe to vary the distance said looped portion extends below said shoe whereby when pressure is applied against the underside of said shoe the said shoe will be maintained in adjusted position against said adjustable means.

2,097,812

GAS RANGE ATTACHMENT

Walter A. Frantz, Shaker Heights, Ohio

Application March 26, 1934, Serial No. 717,444
8 Claims. (Cl. 126—53)



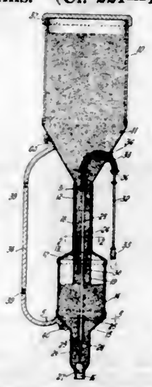
6. A gas stove comprising, a plurality of spaced cooking burners, a constantly operating burner positioned between said cooking burners, a housing having water conducting passages therein positioned adacent to said constantly operating burner to be heated thereby, a storage container in communication with the passages of said housing, means for supporting said container with its top at a substantial distance above said cooking burners, valve means for withdrawing water from said container including a discharge nozzle pivotally mounted for movement over said cooking burners, and means operable to ignite said cooking burners from said constantly operating burner.

2,097,813

DISPENSER

Archie H. Gollings, Akron, Ohio

Application October 14, 1936, Serial No. 105,537
8 Claims. (Cl. 221—113)



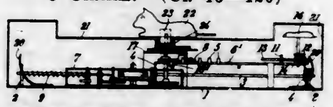
1. In a dispenser, in combination, an upper compartment for initially receiving material to be dispensed, a lower compartment adapted to receive material from the upper compartment, and means for regulating the height of the material in the lower compartment while maintaining the relative positions of said compartments.

2,097,814

MECHANICAL TOY

Konrad Götz, Furth, Germany

Application March 19, 1937, Serial No. 131,821
In Germany July 29, 1936
3 Claims. (Cl. 46—120)



1. A mechanical toy, comprising in combination with a spring motor, a vertical axle of said motor, a toothed sector keyed on said axle, two horizontal bars having teeth in their inner edge arranged at the right and left of said sector and adapted to be alternately shifted by said sector, rods for guiding said bars, a spiral spring on each rod and acted upon by said bar so that it is put under tension by the corresponding bar during the shifting movement of the same and pulls back said bar into the initial position as soon as it comes out of mesh with said sector, a lateral arm of each bar, a rack and pinion on said bar, an upwardly directed axle of each pinion, a figure for instance a mouse on the top of each axle, and a resilient stop for each of said last mentioned racks to shift them and rotate its pin and the corresponding figure.

2,097,815

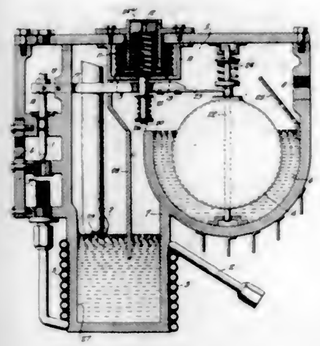
REFRIGERATING APPARATUS

Herbert C. Harvey, Camden, N. J.

Application October 6, 1934, Serial No. 747,135
7 Claims. (Cl. 62—127)

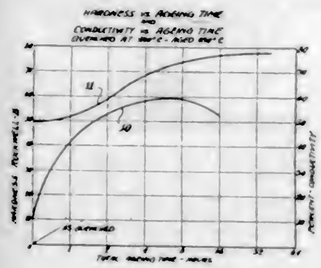
1. In a refrigerating apparatus the combination of a control valve for high pressure refrigerant,

a chamber subdivided into a float chamber and an accumulator chamber and into which low pressure refrigerant is admitted, a float in said float chamber, a bellows externally exposed to the pressure in said chamber and internally to the



atmosphere, a pivotal lever to one end of which the control valve is attached, a spring connection between the other end of the lever and the float, and a lost motion spring connection between the last-mentioned end of the lever and the bellows.

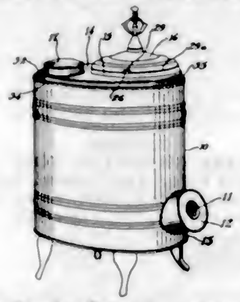
2,097,816
WELDING ELECTRODE
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application June 16, 1936, Serial No. 85,451
1 Claim. (Cl. 219—4)



A welding electrode formed of an alloy containing about 0.1% to 5% zirconium and the balance copper.

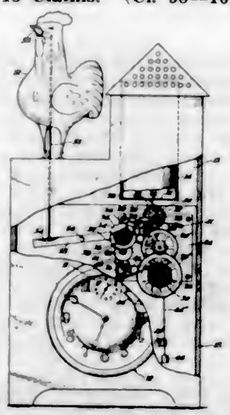
2,097,817
TOP FOR STOVES
Martin L. Hunker, Dover, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a corporation of Ohio
Application September 6, 1934, Serial No. 742,896
6 Claims. (Cl. 126—217)

1. A sheet metal stove top having a fuel opening therein and an integral collar surrounding said opening, said collar being upwardly and slightly inwardly tapered and terminating in a downturned substantially cylindric flange of slightly less depth than the collar and terminating just above the level of the stove top, a firing door arranged to seat around said tapered collar,



and a hinge for the firing door whereby the door is arranged to be swung upon a horizontal pivot.

2,097,818
ALARM MECHANISM FOR CLOCKS
Stanley Krakowski, Jersey City, N. J.
Application April 13, 1936, Serial No. 74,063
13 Claims. (Cl. 58—16)



1. A sound alarm device comprising a sounding board, a sound box above the said sounding board, a vibrating reed set into the said sounding board, a rotatable shaft carrying a toothed wheel, the teeth of the said wheel engaging the free edge of the said vibrating reed, means to rotate the said toothed wheel shaft and braking means adapted to stop and release the said shaft for rotation.

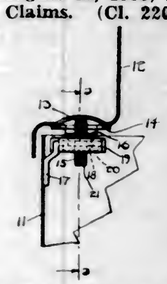
2,097,819
CONTAINER
Louis P. Lansing, Cleveland, Ohio
Application November 12, 1934, Serial No. 752,678
10 Claims. (Cl. 62—75)



1. A container comprising an outer casing having an open top and a space therein containing a cooling medium, an open topped receptacle within said container and having a foraminous bottom submerged in said cooling medium, and a plurality of trays movably positioned within said

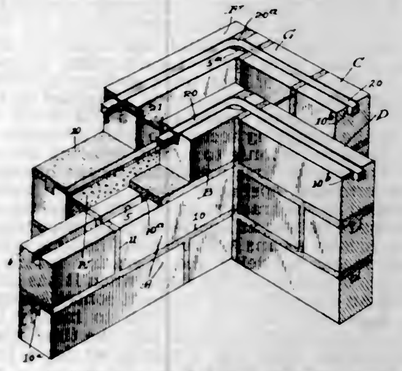
last mentioned container, there being abutments upon the bottom of said receptacle engaged by the lower edges of said trays.

2,097,820
SEALING DEVICE FOR CONTAINERS
Grant H. Lewis, Cincinnati, Ohio, assignor to The Corcoran-Brown Lamp Company, Cincinnati, Ohio, a corporation of Ohio
Application August 13, 1936, Serial No. 95,877
2 Claims. (Cl. 220—27)



2. A sealing device for containers having lid and body elements, consisting of a frangible seal, an adjustable locking pin on said lid for holding the seal in place, and a pin-grip on the body engageable by the pin upon closing the body with the lid, whereby the container may be opened only by breaking the seal to facilitate releasing manipulation of the locking pin.

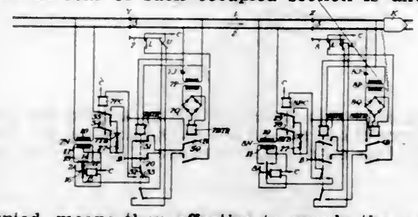
2,097,821
MASONRY
Horace C. Mathers, Van Nuys, Calif.
Application April 15, 1935, Serial No. 16,438
6 Claims. (Cl. 72—40)



1. A building unit having opposite surfaces constituting bearing surfaces, the unit having a groove in a bearing surface extending the length of the unit and forming ribs at said bearing surface at opposite sides of the groove, slots in one of said ribs adjacent the end of the unit forming a weakened portion of said rib between the slots adapted to be knocked out so as to form a transverse extension of the groove.

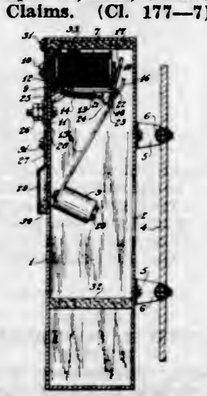
2,097,822
RAILWAY SIGNALING
George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 18, 1936, Serial No. 91,418
13 Claims. (Cl. 246—50)

1. A railway signal system comprising a plurality of sections of railway track, means effective when one section is occupied to supply the rails of the section next in rear of such occupied section with only direct current of one polarity, means then effective to supply the rails of the section second in rear of such occupied section with alternating current simultaneously with direct current of said one polarity provided the section next in rear of such occupied section is unoc-



cupied, means then effective to supply the rails of the section third in rear of such occupied section with only direct current of the other polarity provided the second section in rear of such occupied section is also unoccupied, and traffic governing means for each section selectively responsive to the character and number of currents supplied to the rails of the associated section.

2,097,823
ELECTROMAGNETIC DEVICE
William C. Roe, Elyria, Ohio, assignor to Robert B. Brewer, Cleveland, Ohio
Application April 28, 1934, Serial No. 722,936
3 Claims. (Cl. 177—7)

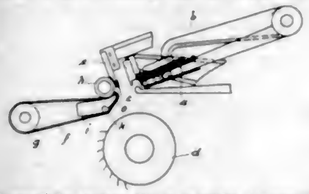


3. A striker device for musical instruments and the like including an electromagnet, an armature support associated therewith and extending below and beyond one end thereof, a striker suspended from the support and in slidable engagement therewith, said striker having an armature portion extending above the support and movable in the magnetic field of the electromagnet when the latter is energized, that portion of the striker which is suspended below the support being provided with a weighted mass.

2,097,824
COMBING MACHINE FOR WOOL, COTTON AND THE LIKE
Karl Josef Schmitt, Chemnitz, Germany, assignor to Sächsische Textilmaschinenfabrik vorm. Rich. Hartman Aktiengesellschaft, Chemnitz, Germany
Application March 16, 1936, Serial No. 69,183
In Germany April 18, 1935
3 Claims. (Cl. 19—120)

1. A drawing off or detaching device for comb-

ing machines, comprising in combination an endless travelling belt, rollers guiding said belt, a block and a protruding lip on said block on the



detaching side extending partly around the periphery of one of said rollers and adapted to press the fibres onto a large surface of said travelling belt.

2,097,825

COFFEE MAKER STOVE

Frank E. Wolcott, West Hartford, Conn., assignor, by mesne assignments, to The Silex Company, a corporation of Connecticut (1936)

Application April 26, 1934, Serial No. 722,500
22 Claims. (Cl. 219—43)



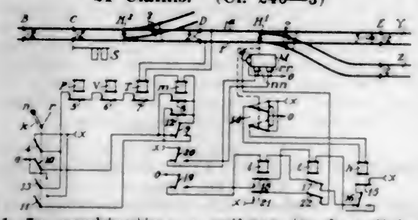
1. In a coffee maker stove, a plurality of means for supporting bowls during heating and having non-adjacent curved sides, and a casing carrying said means in spaced relation and having curved portions supporting said means and substantially conforming to the non-adjacent sides of said means.

2,097,826

RAILWAY SWITCH CONTROLLING APPARATUS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 24, 1934, Serial No. 754,616
Renewed March 31, 1937
21 Claims. (Cl. 246—3)



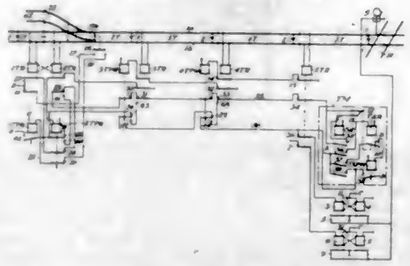
1. In combination, a railway track switch, a polarized relay having a neutral armature and a polar armature, means manually controlled and also controlled by said polar armature for energizing said relay for operating said neutral armature, other means manually controlled and also controlled by said neutral armature for energizing said relay for operating said polar armature from each of its extreme positions to the other, locking means for at times rendering said other means ineffective to energize said relay, and switch operating means controlled by said polarized relay for moving said switch from each of its extreme positions to the other.

2,097,827

APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS

Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 28, 1936, Serial No. 93,029
13 Claims. (Cl. 246—130)



1. In combination, a stretch of railway track intersected by a highway and comprising a track switch to permit a train to approach the crossing from either of two diverging routes, a highway crossing signal located at the crossing, a first and a second timing track section and an operating track section arranged in the order named between the switch and the crossing with the first timing section at the switch and including portions of the track rails of each route, a track circuit for each of said track sections including a track relay, operating means controlled by the relay of the second timing section and by the relay of the operating section to start operation of the signal in response to a train entering the respective section, time measuring means having a predetermined operating time, circuit means governed by the track relay of each of the timing sections to initiate an operation of the time measuring means, means controlled by the time measuring means to delay the operating means in starting operation of the signal when it has completed an operation, and a circuit controller having connection with the switch to modify the control of said circuit means over the time measuring means when the switch is set for a particular one of the routes.

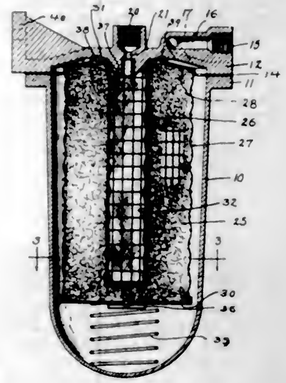
2,097,828

OIL FILTER

Jesse A. Baldwin, Spooner, Wis.

Application October 15, 1936, Serial No. 105,818
5 Claims. (Cl. 210—131)

1. A filter comprising a casing having one end open; a removable head closing said casing having an inlet and a central, vertically disposed outlet, and an annular channel located between said inlet and outlet; a filter element including a top cap member having a central opening in communication with the outlet and a circular bead to engage in said channel, inner and outer screens operatively related to the top cap member, and filtering material located between the inner and outer screens; cooperating means on said head and cap member operative to center the filter element with respect to the head and casing; and spring means arranged between the casing and



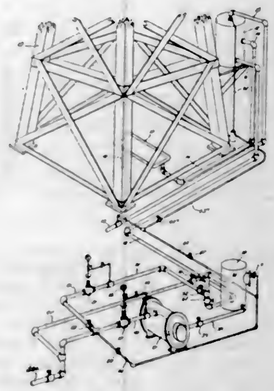
the filter element and operative, in conjunction with the centering means, to maintain the filter element centered and yieldingly to maintain the bead of the top cap member seated in the channel.

2,097,829

APPARATUS FOR MEASURING OIL OR THE LIKE

Carlos J. Bassler, Alhambra, Calif., assignor to American Liquid Meter Company, Alhambra, Calif., a corporation of Washington

Application February 20, 1934, Serial No. 712,166
Renewed September 29, 1936
4 Claims. (Cl. 73—199)



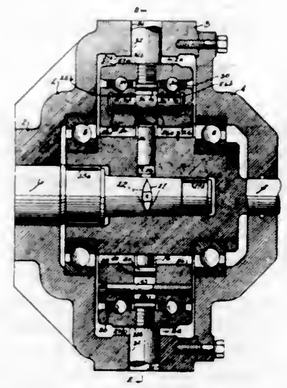
1. In combination, a gas-liquid separator receiving the fluid produced by an oil well, a meter, a gas eliminator connected with the separator and having means to pass liquid to the meter, a pressure regulator controlling the passage of fluid from the meter to a yard pipe line, said regulator being adjustable to vary the back-pressure through the meter but, removed from the meter, and a by-pass bridging the eliminator. meter and regulator, an adjustable valve in the by-pass, the opening of which is dependent upon a predetermined pressure in advance of the eliminator.

2,097,830

VARIABLE DISPLACEMENT PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application March 27, 1935, Serial No. 13,294
6 Claims. (Cl. 103—161)



1. In a rotary radial piston pump or motor of the character described, including a barrel, circumferentially spaced pistons carried thereby, a reactance rotor eccentric to the barrel for reciprocating the pistons consequent upon concurrent rotation of the barrel and rotor, heads respective to the pistons, each head protruding tangentially of its path of travel in both directions from the piston with which it is associated and having tangential outer bearing surfaces and inner bearing surfaces at the end portions, said surfaces being parallel with respect to each other, load rollers carried by the rotor, each roller being in rolling engagement with the outer face of the piston head with which associated normally at the axis of the particular piston for moving the piston on the pressure stroke while permitting tangential oscillation of the head with respect to the reactance rotor, torque transmitting rollers carried by the rotor and engaging the inner bearing surfaces of the heads respectively for moving the piston on the suction stroke, each head being concurrently in rolling engagement with both the outer and inner rollers associated therewith, additional torque rollers carried by the rotor and engaging the outer surface of the heads respectively adjacent the zone of the said inner rollers, said additional rollers being spaced from the inner rollers a distance slightly greater than the radial thickness of the portion of the head received therebetween for permitting free deflection of portions of the head and for guiding the head while in the deflected condition.

2,097,831

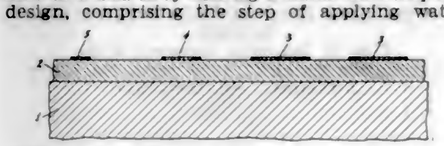
SURFACE PRINTING PLATE, MORE PARTICULARLY OFFSET-PRINTING PLATE AND THE PROCESS FOR PRINTING THEREWITH

Willem Anthonius Boekelman, Bilthoven, and Alberthus Elfers, Haarlem, Netherlands

Application January 30, 1935, Serial No. 4,191
In the Netherlands February 15, 1934
11 Claims. (Cl. 41—41.5)

11. Method of printing from a printing form for offset printing having a closed smooth sur-

face of a lead alloy bearing a metal ink-receptive design, comprising the step of applying water



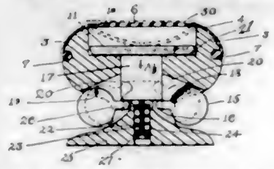
directly to the closed smooth surface of a lead alloy.

2,097,832

LENS MARKER

Jack L. Brenner, Utica, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York

Application April 7, 1937, Serial No. 135,537
6 Claims. (Cl. 101—35)



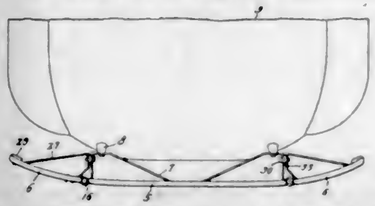
1. In a lens marker, a standard, a rubber band mounted to said standard, another member mounted within said standard for supporting said rubber band when inking the same and levers for moving said supporting member in contact with said rubber band.

2,097,833

AUTOMOBILE SAFETY BUMPER

Earl L. Daily, Columbus, Ohio

Application November 16, 1936, Serial No. 111,107
1 Claim. (Cl. 293—55)



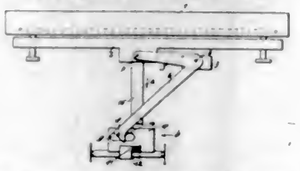
In an automobile bumper, a central section having at one end thereof a pair of vertically aligned hinge lugs, an end section having at one end thereof a similarly disposed pair of hinge lugs between which the hinge lugs of the central section are located, a cylindrical casing having end closure caps and disposed between the lugs of the central section in end engagement therewith, said casing having a slot therein extending throughout the length thereof, a hinge pintle extending through said lugs, caps and casing, and having a longitudinally disposed slot therein co-extensive in length with the casing slot, a convolute spring surrounding said pintle in said casing and co-extensive in width with the length of said casing, said spring having one end anchored in the slot of the pintle and its opposite end extending through the slot in the casing and secured to said end section to thereby tension the latter against rearward swinging movement, and a pair of angle brackets on said sections, respectively, coacting to limit forward swinging movement of said end section under the urge of said spring.

2,097,834

PAPER CARRIAGE ESCAPEMENT DEVICE FOR TYPEWRITERS

Fritz Eibert, Munich, Germany, assignor to Robert Wolff, Basel, Switzerland

Application April 16, 1934, Serial No. 720,684
In Germany April 19, 1933
5 Claims. (Cl. 197—87)



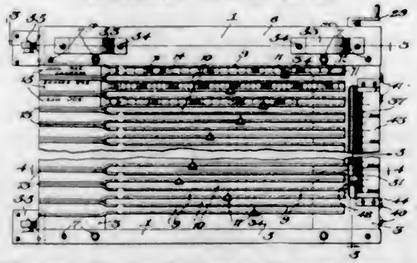
1. In a typewriting machine having key and type levers and a spring-powered ratchet wheel, the combination comprising a universal bar actuated by depression of a key, a pawl carrier actuated by said universal bar, a detaining pawl mounted on said pawl carrier normally engaged by a tooth of said ratchet wheel, a bell crank lever pivoted on a stationary part of said typewriting machine having one of its ends connected to said universal bar and its other end protruding into the path of a tooth of said ratchet wheel whereby said lever is displaced and said universal bar and said key lever are returned to their normal position of rest when the end of said lever is engaged by one of the teeth of said ratchet wheel.

2,097,835

FUEL OIL DELIVERY CONTROL INDICATOR

Frank A. Epps, Westfield, N. J., assignor to Gulf Oil Corporation, a corporation of Pennsylvania

Application March 11, 1936, Serial No. 68,351
16 Claims. (Cl. 116—135)



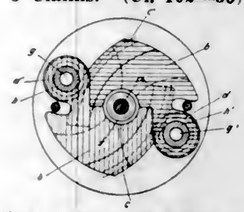
16. An indicator for use in showing consumption of fuel and the like and adapted to show the effect of change of one variable quantity upon a plurality of other variable quantities, comprising a plurality of separate and independently replaceable charts having different scales representing the other variable quantities, means for supporting said charts and index means movable with respect to the charts, the index means being so constructed and arranged as to be moved independently of each other and the scales being so spaced that movement of the index means a given equal distance over the scales, shows on all the charts the effect of the change in the first-named variable quantity upon said second quantities, the chart supporting means being so constructed and arranged that each individual chart can be removed and replaced by another while keeping the index means in position, and means for moving the index means over the charts by equal increments of movement while preserving the relative positions of the several index means.

2,097,836

MECHANICAL TIME FUSE HAVING A CENTRIFUGAL DRIVE

Helmut Junghans, Schramberg-Sulgen, Germany

Application November 11, 1936, Serial No. 110,355
In Germany July 27, 1935
5 Claims. (Cl. 102—36)



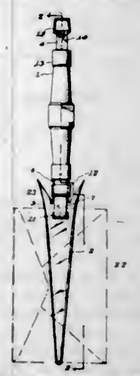
1. In a time fuse, a centrally disposed fuse shaft, a pair of centrifugal members disposed symmetrically to the said shaft, and transmission members each driven by one of the said centrifugal members, the said transmission members each being mounted about the axis of rotation of the opposite centrifugal member.

2,097,837

COMBINED LETTER OPENER AND POSTAGE SCALE

Jacob Kaplan, Washington, D. C.; Esther Kaplan, administratrix of said Jacob Kaplan, deceased, assignor to Esther Kaplan, Washington, D. C.

Application January 15, 1936, Serial No. 59,301
4 Claims. (Cl. 265—63)



1. In a device of the class described, a hollow elongated body, a flat knife-like member projecting from one end of the body in substantial axial alignment with said body, a spring scale mounted within said body and adapted to support said body in weighing relation, a clamp, means to cause said clamp to bear against said member, said clamp and member being adapted to hold a letter with the letter supported against said knife-like member.

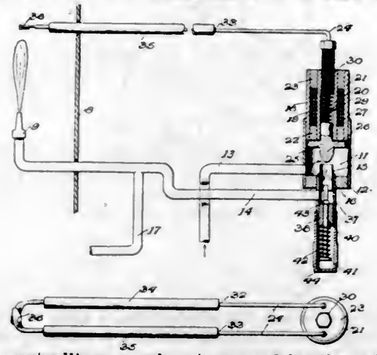
2,097,838

SAFETY DEVICE FOR GAS BURNERS

Sebastian Karrer, Washington, D. C., assignor to Consolidated Gas Electric Light and Power Company, Baltimore, Md., a corporation of Maryland

Application June 30, 1931, Serial No. 547,977
4 Claims. (Cl. 175—181)

1. In a device of the character described, in combination with an electromagnet having an armature connected to a controlling member, a thermocouple adapted to be subjected to the heat of a flame and electrically connected with said electromagnet whereby said armature and member are held in operating position by the thermoelectric current flowing through said electromagnet as long as said thermocouple is heated by said flame but on extinguishment of said flame



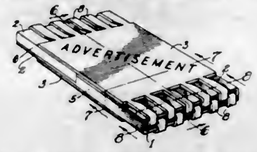
said controlling member is moved by the release of said armature by said electromagnet, and means in said thermoelectric circuit for assuring release of said armature by said electromagnet by demagnetization of said electromagnet and including a junction of said thermocouple adapted upon extinguishment of the flame to cool more slowly than the junction normally subjected to the flame.

2,097,839

MATCH PACKET

John C. Leukhardt, Washington, D. C.

Application March 30, 1937, Serial No. 133,874
5 Claims. (Cl. 206—29)



1. A device of the class described comprising a channeled partition member having slideways, a cover member and a match splint carrier plate, all arranged to be assembled in a compact match packet, and a plurality of match splints housed between said partition member and said cover member and integrally attached to opposite edges of said carrier plate, said splints being weakened at the point of attachment and arranged for individual detachment from said carrier plate, and said splints being doubled backwardly over opposite edges of said cover member and arranged to lie in respective slideways of said partition member with said cover member disposed between said carrier plate and partition member.

2,097,840

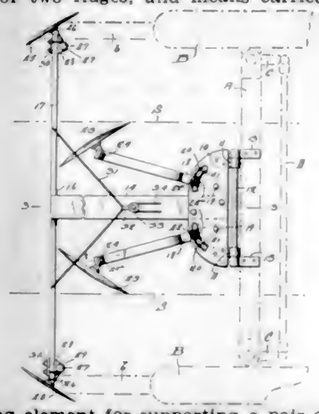
TRACTOR GUIDE

Donald A. Olmsted, Waunata, Nebr.

Application December 31, 1936, Serial No. 118,656
8 Claims. (Cl. 97—49)

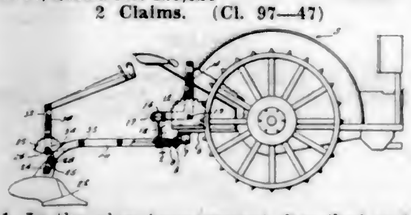
1. The combination with a tractor having a front axle and rubber-tired wheels thereon, of a guiding element attached to the axle and extending forward therefrom and including means for supporting a pair of guiding members on

each side of the middle line of the tractor in position to engage against the confronting shoulders of two ridges, and means carried by said



guiding element for supporting a pair of furrow forming members immediately in advance of the tractor front wheels.

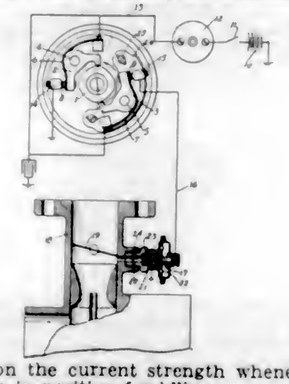
2,097,841
TRACTOR PLOW
Elmer William Park, near Fredericksburg, Va.
Continuation of application Serial No. 80,590, May 19, 1936. This application February 12, 1937, Serial No. 125,520
2 Claims. (Cl. 97—47)



1. In the plow improvement described and in combination, a plow having an upstanding flange, a plow beam, bracket arms fixed to and extending upwardly from said flange of the plow, one of said arms having an upstanding segmental rack fixed thereto, a lever alongside said rack and having an angular opening in its end portion and also having a detent complementary to said rack, a transverse bolt journaled and secured in position in said bracket arms and having between said arms and alongside each other an eccentric and an angular part, the latter disposed in the angular opening of the lever, and a link having a circular opening receiving said eccentric, said link extending forwardly from the eccentric and pivotally connected to the beam at an intermediate point in the length of the latter.

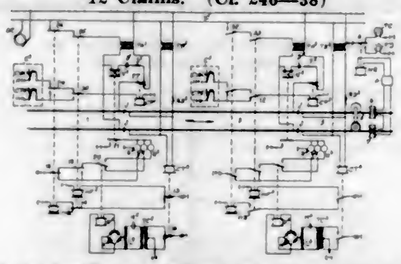
2,097,842
IGNITION CONTROL DEVICE
Bernard C. Phillips, Detroit, Mich., assignor, by mesne assignments, to The Mallory Research Company, Detroit, Mich., a corporation of Michigan
Application March 29, 1935, Serial No. 13,731
5 Claims. (Cl. 123—117)

1. The combination with an ignition circuit for an internal combustion engine, of means responsive to a predetermined increase in the vacuum of the engine intake to reduce the strength of the current in said circuit, and an engine throttle operable to nullify the influence of the



vacuum on the current strength whenever said throttle is in position for idling.

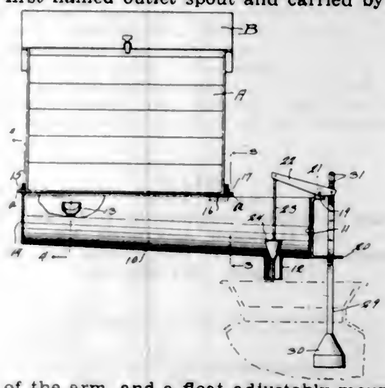
2,097,843
RAILWAY SIGNALING SYSTEM
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 28, 1935, Serial No. 56,488
12 Claims. (Cl. 246—38)



1. In a railway signaling system, a plurality of track sections, means for applying spaced direct current impulses to the exit end of each section, means selecting the rate of said impulses in accordance with traffic conditions a track relay at the entrance of each section operated by the direct current impulses, wayside signals at each section, means for controlling the wayside signals in accordance with the rate of operation of the associated track relay, a source of alternating current connected at the entrance end of each section, and an alternating current relay intermittently connected to the exit end of each section for controlling the energization of the associated wayside signal.

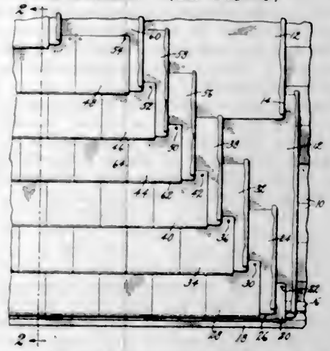
2,097,844
AUTOMATIC CAN FILLER
Guilford D. Robinson, Eden, N. Y.
Application February 11, 1937, Serial No. 125,335
5 Claims. (Cl. 226—127)

1. A can filler, including a trough having an outlet spout at one end and a second outlet spout adjacent the other end of the trough, one end of the trough having an end wall formed with a slot, a cross bar mounted upon the trough and shiftable toward or from the end wall and having a corresponding slot whereby the trough may be engaged with lugs on a cooling tank, an arm pivotally supported at one end of the trough, an upwardly opening valve controlling passage through the first named outlet spout and carried by one



end of the arm, and a float adjustably mounted upon the other end of the arm exteriorly of the trough.

2,097,845
ROOFING
Lancy Snow, Noroton, Conn.
Application June 26, 1934, Serial No. 732,396
2 Claims. (Cl. 108—9)



1. A roof the major portion of which is covered by slate of a single thickness underlaid by a dual thickness of roll roofing felt, said roll roofing felt being laid in smooth strips with individual slate shingles independently applied thereupon in a manner to form a course, said slate shingles being disposed in slightly overlapping staggered relation to the slate shingles of an adjacent course, and each strip of roll roofing felt having its lower portion substantially co-extensive with the bottom line of the course of slate shingles and its upper portion above the upper line of the next superposed course of slate shingles.

2,097,846
NASAL INHALER
Clauss Burkart Strauch, New York, N. Y.
Application December 31, 1935, Serial No. 56,904
5 Claims. (Cl. 128—198)

1. An article of the character described comprising a substantially conical imperforate open ended tubular shell formed from thin cellulosic sheet material and being light, smooth, flexible and non-absorbent, the shell being provided at its large end with an annular flange extending outwardly away from the axis of the shell, a filling of absorbent material positioned within the shell, the small end of the shell being provided with an annular lip extending inwardly into the bore of the shell and engaging the filling to

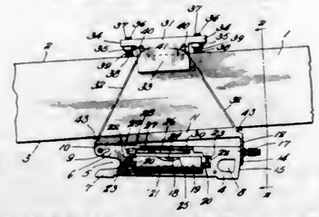


prevent the latter from reaching the small end of the shell, said outwardly extending flange being eccentrically arranged relatively to the axis of the shell.

2,097,847
METHOD OF PREVENTING EROSIONS AND PERFORATIONS IN METAL CONTAINERS
Clauss Burkart Strauch, New York, N. Y.
No Drawing. Application May 29, 1936, Serial No. 82,623
8 Claims. (Cl. 99—182)

1. A method for preventing erosions and perforations in metal containers comprising substantially saturating the material packed in the metal container with salts, corresponding to the salts formed in time by the natural reaction between the material and container.

2,097,848
LEVEL AND SUPPORT THEREFOR
John E. Torbert, Jr., National City, Calif.
Original application September 16, 1935, Serial No. 40,833. Divided and this application December 11, 1936, Serial No. 115,436
6 Claims. (Cl. 33—207)

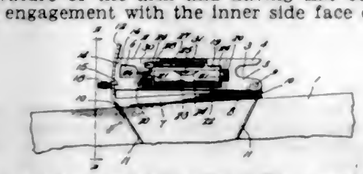


1. A straight edged bar of a length adapting it to be applied in spanning relation to spaced objects, a level applicable to a straight edge face of said bar and having notches at its ends, and means for detachably securing the level to the bar consisting of a yoke having a portion U-shaped in cross section and straddling the bar at the opposite side thereof from the level, plungers slidably carried by said yoke and yieldably held in position to bear against an edge face of the bar with the yoke urged away from the bar, and loops carried by said yoke to engage about the bar and through the notches in the ends of the level to securely but detachably hold the level in place.

2,097,849
ADJUSTABLE LEVEL
John E. Torbert, Jr., National City, Calif.
Original application September 16, 1935, Serial No. 40,833. Divided and this application December 11, 1936, Serial No. 115,437
1 Claim. (Cl. 33—213)

A level comprising a body, an indicator carried by said body, a bar extending longitudinally of said body under the same and at one end pivoted to the body whereby the body may be tilted upwardly to angularly adjusted positions relative to the bar, an arcuate arm carried by and projecting upwardly from the other end of the bar along the edge face of the free end of

the body and formed with a longitudinally extending slot confronting the edge face of the free end of the body, the said free end of the body having an arcuate edge face conforming to the curvature of the arm and having flat contacting engagement with the inner side face of said



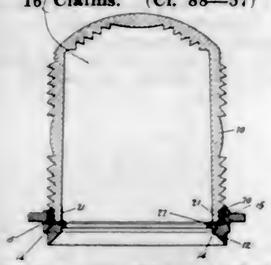
arm, a stem projecting from the arcuate edge face of the free end of said body through the slot of said arm, and a fastener threaded upon said stem for gripping the arm when tightened and releasably securing the body in an angularly adjusted position.

2,097,850

SEALING JOINT AND METHOD OF MAKING THE SAME

Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey

Application August 10, 1935, Serial No. 35,686
16 Claims. (Cl. 88—57)



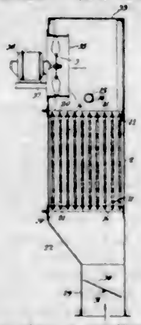
1. A joint for connecting spaced members of which at least one is frangible, comprising an element of resilient material in the space between said members, and a metallic element of low melting point in the space between said members and sealing said resilient element against outer exposure.

2,097,851

AIR COOLER

Richard Wenzl, Freiburg, Germany

Application April 22, 1935, Serial No. 17,707
In Germany April 26, 1934
6 Claims. (Cl. 257—244)



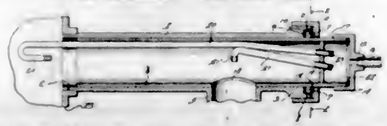
2. In an air cooler, a cooling unit, flat cooling elements each comprising a pair of parallel flat walls, arranged in said unit to define air ducts by the outer surfaces of their parallel flat walls, means for circulating a refrigerant through said cooling elements at such a temperature that the outer surfaces of said walls are maintained at a temperature below zero, means for establishing a flow of air through said air ducts at comparatively high velocity, and bars extending through said unit for holding said elements.

2,097,852

SAND TRAP

William N. Wright, Washington, D. C., and William H. Beach, Alexandria, Va.

Application October 1, 1935, Serial No. 43,116
11 Claims. (Cl. 291—11)



1. A sand trap comprising a body for connection with a sand container and having a delivery pipe in communication therewith, a lining sleeve insertable within the body and having an opening registering with the delivery pipe, a plate intersecting the sleeve, means for placing the sleeve at one side of the plate in communication with a source of air under pressure, a siphon pipe carried by the plate, said siphon pipe being of a length to terminate adjacent to the receiving end of the trap, and a blast pipe also carried by the plate and having a nozzle discharging through the opening in the sleeve.

9. A sand trap comprising a tubular member for communication with a sand container, a sand delivery pipe having communication with the tubular member, a plate intersecting the member, means for placing the member at one side of the plate in communication with a source of fluid under pressure, a siphon pipe in communication with the member at the side just mentioned of the plate, said pipe discharging within the entrance end portion of the member, and a blast pipe in communication with the member at the side of the plate hereinbefore mentioned and discharging into the delivery pipe.

2,097,853

AUTOMOBILE LIFT

Cyrus J. Bristol, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa

Application March 1, 1937, Serial No. 128,411
2 Claims. (Cl. 254—93)

1. In a hoist, the combination of an upright cylinder open at its upper end, a plunger slidingly mounted in the cylinder and open at its upper end and provided with a lower head spaced above the lower end of the cylinder, the projecting lower end of the plunger being formed with guide openings, two plunger bearings fixed to the cylinder, one at its upper end portion and the other spaced below the first, a screw-threaded rod extended through and rotatably mounted in said piston head, having its upper end shaped to receive an implement for rotating the rod, a nut mounted on the rod below the piston head and arms pivoted to the nut and extended through the openings in the lower end of the plunger, said arms being so shaped that when the nut is at its upper limit the outer ends of the arms will project beyond the plunger and co-operate with the lower bearing on the cylinder to limit the upward movement of the plunger, and when the nut is at its lower limit, the outer ends of said



arms will be withdrawn to permit the removal of the plunger from the cylinder.

2,097,854

CYCLOPENTADIENONE CONDENSATION COMPOUNDS AND PROCESS OF MAKING THEM

Walther Dilthey, Bonn-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application March 22, 1934, Serial No. 716,905. In Germany March 25, 1933
11 Claims. (Cl. 260—123)

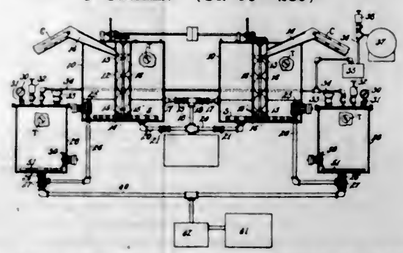
1. The process which comprises heating a cyclopentadienone with a compound of the group consisting of unsaturated compounds of the ethylene and acetylene series.

2,097,855

APPARATUS FOR PRODUCING TOMATO PRODUCTS

Edward C. Eberts, Jeffersonville, Ind., assignor to Stokely Brothers & Company, Indianapolis, Ind., a corporation of Delaware

Original application June 22, 1933, Serial No. 677,110, now Patent No. 1,978,078, dated October 23, 1934. Divided and this application December 18, 1933, Serial No. 702,864
9 Claims. (Cl. 99—239)



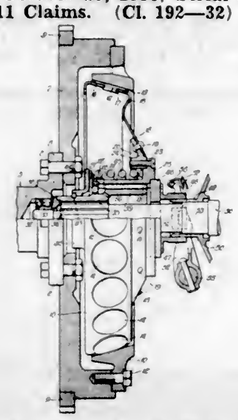
4. Apparatus for mechanically separating juice and pulp of fruits, comprising a tank of substantial depth and capacity, means arranged within the tank near its lower regions by which juices may be liberated from its pulp, conveyor means arranged within the tank and extending from a point above the normal maintainable liquid level within the tank to said separating means and adapted to propel successive fruits downwardly in the liquid content of the tank to said separating means, and means by which the liquid content of the tank may be maintained at a temperature substantially above normal atmospheric temperatures.

2,097,856

CLUTCH

Thomas L. Fawick, Akron, Ohio, assignor to Industrial Clutch Company, a corporation of Wisconsin

Application October 29, 1936, Serial No. 108,156
11 Claims. (Cl. 192—32)



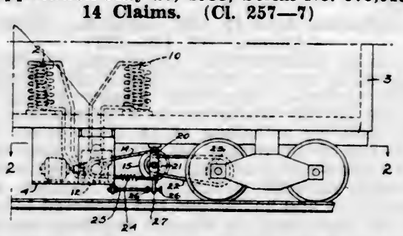
5. A friction clutch of the servo type, comprising a driving member having a conical surface, a driven member coaxial therewith, a clutch member therebetween having a conical rim and having an axially extending internally splined hub spaced radially about said driven member, an intermediate member within said hub for transmitting torque from said hub to said driven member, an abutment plate carried by said intermediate member adjacent one end of said hub, spring means biased between said plate and said hub externally of the axially extending portion of said hub, and within said clutch member, and bearing means carried at the opposite end of said hub and adapted to be engaged by the clutch operating mechanism.

2,097,857

HYDRAULIC TRANSMISSION

Walter Ferris and James K. Douglas, Milwaukee, and George H. Fobian, West Allis, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 26, 1933, Serial No. 673,018
14 Claims. (Cl. 257—7)



9. The combination, with a vehicle and air conditioning apparatus carried by said vehicle

for cooling the interior thereof, a hydraulic motor for driving said apparatus, a heating coil carried by said vehicle to cause liquid forced therethrough to heat the interior of said vehicle, a pump driven by motion imparted thereto from said vehicle for delivering liquid to said motor and said coil selectively, an electric motor for driving said hydraulic motor to cause it to function as a pump, means for connecting said motor into a stationary electric circuit when said vehicle is stationary, and fluid connections for enabling said hydraulic motor to circulate liquid through said coil upon being driven by said electric motor.

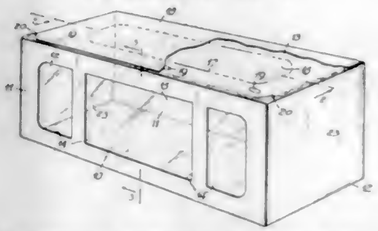
2,097,858

BOX FOR DISPENSING TISSUES

Sol Herz, New York, N. Y., assignor to Federated Mills, Inc., New York, N. Y., a corporation of New York

Application September 15, 1936, Serial No. 100,823

1 Claim. (Cl. 229—17)



A dispensing container of rectangular form comprising a top panel having a center portion enclosed within a continuous weakened line to permit easy removal of said portion in order to form an opening in said top panel, two side walls opposite each other, said side walls being substantially weakened by extensive window cut-outs, said container being folded from a blank having four mid-portion sections to form the bottom, side walls and top, the bottom and the top having end flaps on either side thereof, each of said flaps having the full size of an end wall and being folded inwardly to overlap the corresponding flap of the opposite section, the side wall sections having on either side flaps of half the size of an end wall, said side wall flaps being folded inwardly and sandwiched between the flaps of the top and the bottom section, whereby the endwalls become sufficiently rigid to take up the strain exerted upon the top and the weakened side walls when said removable portion in the top is separated along said weakened line.

2,097,859

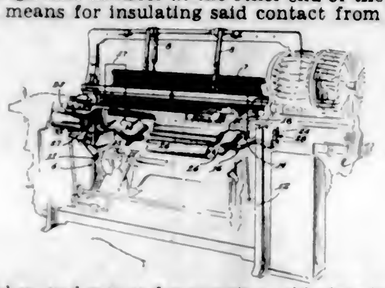
ATTACHMENT FOR LOOMS

Walter L. Holt, La Grange, Ga., assignor of one-third to W. H. Young, Sr., Muscogee County, Ga.

Application April 19, 1937, Serial No. 137,852

4 Claims. (Cl. 139—337)

1. In an attachment for the purpose set forth, a normally inactive circuit closing unit formed of an L-shaped supporting member having a vertical leg for anchoring to a support and a horizontal leg extending at an angle from the lower end of the vertical leg, a contact plate disposed transversely of said horizontal leg, a depressible resilient circuit closing member arranged over and having one end anchored to one end of said plate, a contact normally spaced from and for coaction with said plate when said member is depressed, said contact extending through said member at the other end of the latter, means for insulating said contact from said



member, and means for securing said plate to the horizontal leg.

2,097,860

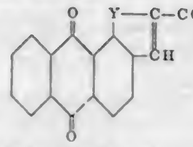
ANTHRAQUINONE THIOPHENE AND SELENOPHENE CARBOXYLIC ACID COMPOUNDS

Ralph N. Lulek, Waukesha, and Clarence F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 30, 1936, Serial No. 103,348

6 Claims. (Cl. 260—53)

1. An anthraquinone carboxylic acid compound of the general formula



wherein Y stands for an element of the class consisting of sulfur and selenium, and X stands for a substituent of the class consisting of OH and a halogen atom.

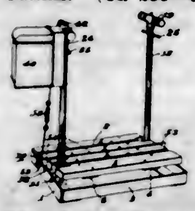
2,097,861

CHECKING DEVICE

Joseph T. Mackay, Woodbury, Conn., and Haviland C. Ames, Port Washington, N. Y., assignors to United Fruit Company, Boston, Mass., a corporation of New Jersey

Application November 29, 1933, Serial No. 700,294

4 Claims. (Cl. 235—99)



1. In a checking device, the combination of a treadle, a frame for supporting the treadle, means for movably mounting the treadle on the frame, a standard pivoted to the frame in proximity to the treadle and adapted to swing from an upright erected position to an approximately horizontal folded position adjacent the tread surface of the treadle, a recess in said tread surface adapted to receive and countersink the standard in folded position, means for locking the standard selectively in its upright or folded positions, a register, means on the standard for detachably supporting the register, and means for removably and actuatingly connecting said register to the treadle.

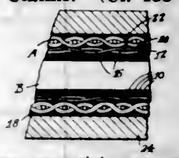
2,097,862

FIRE HOSE

Hunter McKay, Cambridge, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts

Application April 9, 1936, Serial No. 73,463

6 Claims. (Cl. 138—53)



1. A fire hose comprising an outer textile jacket, and an inner tube freely and floatingly disposed therein and including in its structure a rubber ply having a textile ply united thereto and fabricated with relatively inextensible threads extending substantially parallel to the axis of the tube, said threads reinforcing the tube against elongation, and the textile ply being readily expansible with the rubber ply whereby fluid pressure within the tube is effective to expand the tube into close contact with the outer jacket.

2,097,863

LEGUMINOUS FOOD PRODUCT

Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application October 2, 1934, Serial No. 746,626

2 Claims. (Cl. 99—98)

1. In the method of preparing beans to produce a product having the characteristics of an oven baked bean, the steps of roasting the substantially whole, dry, non-fatty, edible beans for a period of about 1 to 5 minutes, and steaming the bean to cooked condition whereby a bean simulating an oven baked bean is obtained.

2,097,864

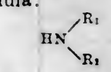
PROCESS OF PREPARING AMINO-CARBOXYLIC ACIDS AND PRODUCTS OBTAINABLE THEREBY

Carl Platz, Frankfort-on-the-Main, and Hermann Holsten, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 26, 1935, Serial No 33,388. In Germany July 31, 1934

6 Claims. (Cl. 260—112)

1. The process of preparing tertiary amino compounds which comprises alkylating at the nitrogen atom an organic amino compound of the general formula:



R_1 being a member of the group consisting of hydrogen, aliphatic hydrocarbon radicals, aliphatic hydrocarbon radicals containing hydroxyl, aliphatic hydrocarbon radicals containing carboxyl, aromatic hydrocarbon radicals, R_2 standing for a member of the group consisting of aliphatic hydrocarbon radicals of at least 6 carbon atoms, cycloaliphatic hydrocarbon radicals having at least one side chain with at least 3 carbon atoms and hydroaromatic hydrocarbon radicals having at least one side chain with at least 3 carbon atoms, the components taking part in the reaction being chosen so that the final product contains at least one carboxyl group.

6. The new products of the formula:



wherein R stands for an aliphatic hydrocarbon radical with at least 6 carbon atoms, R_1 and R_2 stand for an aliphatic hydrocarbon radical substituted by COOH, in the form of their alkali salts being powders having a greasy feel, dissolving easily even in cold water, being very resistant towards the salts that cause the hardness of water and dissolving in dilute acids, especially in hot dilute acids.

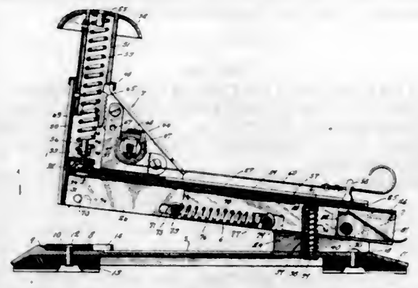
2,097,865

STAPLING DEVICE

Hans C. Stockel, Chicago, Ill., assignor to Hercules Tool & Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application August 15, 1935, Serial No. 36,260

14 Claims. (Cl. 1—3)



1. In a stapling device an arm providing a channel extending longitudinally thereof for storing a supply of staples, staple ejecting mechanism, and a casing housing the mechanism and forming with the arm a passage through which the staples are ejected, said casing being yieldably secured to said arm and bodily removable therefrom.

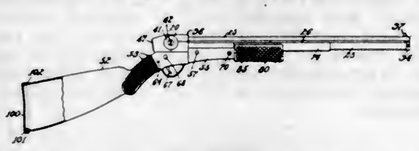
2,097,866

AIR GUN

Fay M. Tomlinson, Lebanon, Ind., assignor to Arthur M. Hood, trustee, Indianapolis, Ind.

Application August 23, 1933, Serial No. 686,427

8 Claims. (Cl. 124—15)



1. In an air gun, a breech-block having a transverse bore, a bullet-barrel carried by said block, an air-barrel carried by said block, a bullet-magazine, a plug rotatably mounted in said transverse bore of the breech-block, and provided with a U-shaped passage registrable at its ends with the bullet barrel and the air barrel and at its air discharge end with the magazine outlet, and provided with a portion closing the magazine outlet when said passage connects the two barrels, said passage having at its air-discharge end, a bullet seat, a plunger reciprocable

in the air-barrel, a spring acting upon said plunger to drive it toward the breech-block, a hand grip slidable toward and from the breech-block, means carried by the hand-grip for engaging said plunger to move it in opposition to said spring, a latch capable of restraining said plunger in opposition to said spring, trigger mechanism for releasing said latch, and a spring normally urging said plug to bullet-receiving position.

2,097,867

PREPARATION OF ANTHRAQUINONE DITHIAZOLES

Alexander J. Wuertz and William L. Rintelman, Carrollville, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 25, 1935, Serial No. 51,472
2 Claims. (Cl. 260—44)

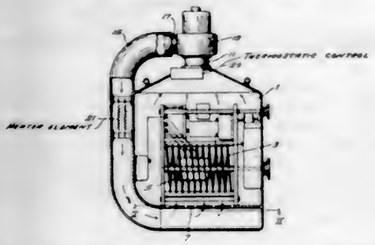
1. In the process for preparing anthraquinone-1,2,5,6-bis(C)phenyl-dithiazole which comprises fusing 2,6-diamino-anthraquinone with benzotrichloride and sulfur in the presence of a high-boiling solvent, the step which comprises carrying out the reaction in the presence of iodine.

2,097,868

SYSTEM OF TEMPERATURE CONTROL

Joseph G. Beard, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 2, 1934, Serial No. 746,519
9 Claims. (Cl. 250—36)



1. In combination, an oscillation generator comprising a tunable resonant frequency determining circuit, a chamber having walls of material having heat-conductivity of the order of the metals enclosing said frequency determining circuit, means for producing a flow of a fluid medium through said chamber and in physical contact with said frequency determining circuit and said walls, means for varying the heat content of said fluid in accordance with heat changes within said chamber tending to alter the frequency of said generator.

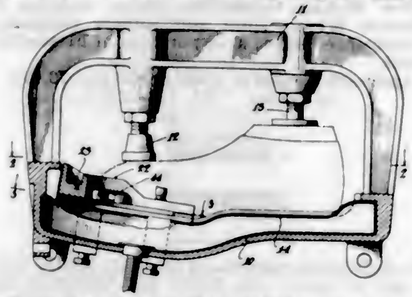
2,097,869

WELT HOLDING MECHANISM

William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Application October 19, 1934, Serial No. 748,980
10 Claims. (Cl. 12—33)

1. In a shoe apparatus having means for applying pressure to the bottom of a shoe, a welt hold-down device comprising a housing having upper and lower confining plates, platens slidably mounted between said plates in position to engage in the welt crease of a shoe positioned on said apparatus, said plates confining said platens against vertical movement with respect thereto,



and means for sliding said platens in said housing to accommodate shoes of varying sizes.

2,097,870

WELT SUPPORT

William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application January 6, 1937, Serial No. 119,182
9 Claims. (Cl. 12—33)



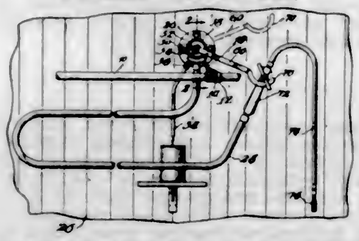
1. A welt support unit adapted to be placed in the welt crease of a shoe during a pressing operation, comprising a pair of relatively movable platens shaped to fit in the welt crease on opposite sides of a shoe, guide means confining said platens to straight-line movement toward and from each other, and spring means urging mutual approach of said platens.

2,097,871

LUBRICATING APPARATUS

Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application January 30, 1935, Serial No. 4,073
4 Claims. (Cl. 221—47.1)



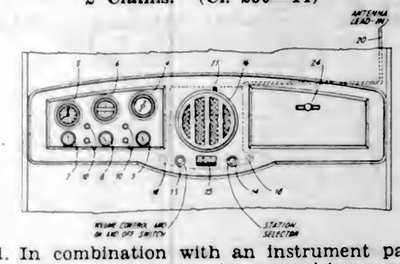
2. In a high pressure lubricating system, the combination of a source of lubricant under pressure, a three-way valve having one of the ports thereof connected to said source, the second port being connected to the atmosphere, a conduit capable of withstanding high lubricant pressures, connected to the third port of said valve, and having means for making a detachable connection with a part to be supplied with lubricant, a manually operated valve in the conduit whereby lubricant may be supplied to said part while it is connected with said conduit, and a member for supporting said conduit, said member being operatively connected with said valve to cause said valve to relieve the pressure on said conduit by connecting said conduit with the atmosphere when the conduit is supported by said member, and to connect said conduit to said source when the conduit is removed from said member.

2,097,872

COMBINED INSTRUMENT PANEL AND RADIO RECEIVER

Ray C. Ellis, Detroit, Mich., assignor to Radio Corporation of America, a corporation of Delaware

Application March 11, 1933, Serial No. 660,353
2 Claims. (Cl. 250—14)



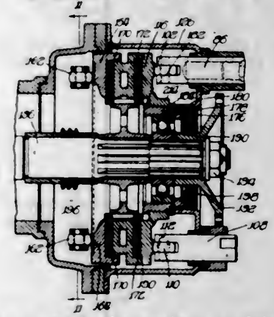
1. In combination with an instrument panel of a vehicle, radio apparatus comprising a radio receiver including a casing adapted to be mounted directly behind the panel through means arranged so as to permit removal of the receiver, a cable provided with a plug-in device adapted to cooperate with a plug receptacle in the receiver for connecting the radio receiver to a source of power so as to be energized thereby, a loudspeaker mounted on the receiver chassis and arranged directly in back of the instrument panel and a loudspeaker grille formed on the instrument panel and arranged so as to register with the loudspeaker, said panel forming a baffle plate for the loudspeaker.

2,097,873

REACTION TYPE POWER BRAKE UNIT

Edwin R. Evans, Kenilworth, Ill.

Application April 10, 1934, Serial No. 719,913
32 Claims. (Cl. 188—140)



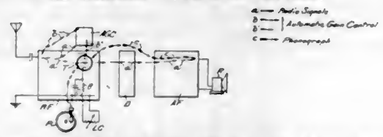
5. In a power brake system, a drive shaft, a friction member rotatable with said drive shaft but free to move axially with respect thereto, normally stationary input and output plates on opposite sides of said friction member, input means for developing an axial thrust against said input plate to frictionally grip said friction member between said plates and to produce rotation of said output plate, substantially axially extending output means movable by the rotation of said output plate to transmit the brake actuating force and to develop a brake reaction having a component acting in a direction parallel to the axis of said shaft upon said output plate in opposition to said input thrust.

2,097,874

RADIO RECEIVER

Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application May 18, 1933, Serial No. 671,772
18 Claims. (Cl. 179—100.11)



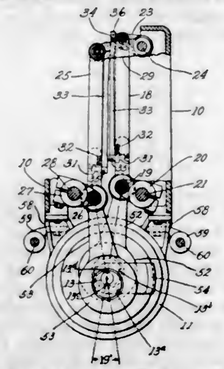
1. The method of increasing the audio amplification of a combined radio receiver-electrical sound reproducer system including a radio amplifier associated with an automatic gain control device arranged so as to maintain the amplifier output substantially constant, a detector and an audio amplifier which comprises converting a radio amplifier stage to an audio amplifier stage and at the same time rendering the automatic gain control inoperative when the system is to be employed for the electrical reproduction of sound, and transferring the amplified audio output of said converted stage directly to the audio amplifier.

2,097,875

SLICING MACHINE CONSTRUCTION

Lester Ferenci, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Original application April 29, 1931, Serial No. 533,829. Divided and this application July 3, 1935, Serial No. 29,688
3 Claims. (Cl. 146—153)



2. A knife blade for bread slicing machines comprising a thin flat elongated body with a sharpened edge intermediate the ends thereof, and

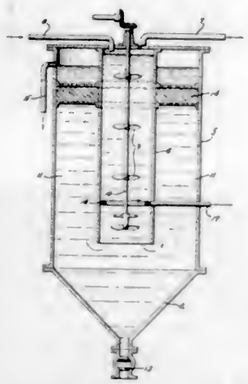
having unsharpened end portions, cross pins rigidly fixed in said blade at the unsharpened end portions thereof, one of said pins being spaced a greater distance from the end of the blade than the other, said pins extending substantially at right angles to the plane of the blade on either side thereof for securing the same to spaced lugs at either side of the blade so as to prevent lateral pivoting thereof, said blade having a hole through the portion of the blade between the blade end and the pin which is at a greater distance from said blade-end for facilitating blade removal.

2,097,876

WATER SOFTENING METHOD

Charles T. Fuetterer, Akron, Ohio

Application August 10, 1933, Serial No. 684,535
5 Claims. (Cl. 210—16)



1. The method of conditioning water which comprises treating the water with lime in the presence of a small amount of a catalytic agent comprising a carbohydrate which is at least partially soluble in water in the presence of lime, the carbohydrate being present in an amount ranging from more than incidental impurities up to approximately 6% of the lime charge.

2,097,877

HAT FASTENING DEVICE

Samuel Getmansky, New York, N. Y.

Application July 23, 1937, Serial No. 155,165
10 Claims. (Cl. 24—143)



1. In a hat fastening elastic device, a pin element attached on one end of an elastic cord and comprising a sheet metal longitudinal strip having a point at one end, a tail portion at the other end, and a central tubular portion by which said pin element is attached on said elastic, and said central tubular portion having one side convexly curved longitudinally thereof and the other side also convexly curved longitudinally thereof but of a smaller curvature than the first mentioned side forming parallel ribs along the edges for reinforcing and stiffening said central tubular portion and for gripping said elastic cord.

2,097,878

ANTIFRICTION BEARING AND METHOD OF MANUFACTURING THE SAME

Alf Gerhard Grabe, Stockholm, Sweden

No Drawing. Application January 28, 1935, Serial No. 3,811. In Sweden January 15, 1934
9 Claims. (Cl. 148—21)

1. The method of manufacturing a bearing which consists in making the bearing of a hypoeutectoid steel, heating the same to a temperature between ac_1 and ac_3, and then hardening the bearing in a suitable cooling medium.

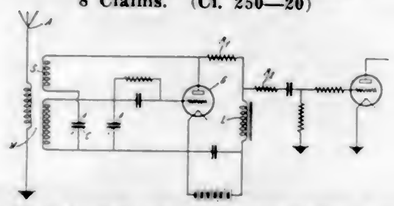
9. An anti-friction bearing assembly comprising a bearing of hypoeutectoid steel heated to a temperature between ac_1 and ac_3 and then hardened in a suitable cooling medium, and a steel journal.

2,097,879

RECEIVING ARRANGEMENT

Arthur Hammer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 21, 1934, Serial No. 758,551
In Germany December 23, 1933
8 Claims. (Cl. 250—20)



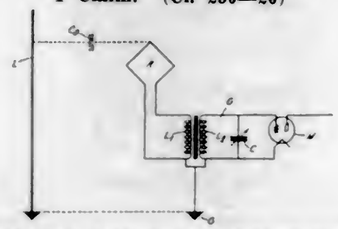
1. A radio receiving circuit comprising a vacuum tube and associated input and output circuits, a feedback circuit including an adjustable reactance for controlling the selectivity of the input circuit, means for compensating for the loss in gain of high tonal frequencies caused by an increase in the selectivity upon increase of feedback, said compensating means comprising an inductance in the output circuit which forms with the adjustable feedback reactance an oscillation circuit resonating at a frequency which for slight feedback lies outside the transmitted audio frequency range and which with increase of feedback is shifted more and more into the transmission range.

2,097,880

RADIO RECEIVING SYSTEM

Paul Hermanspann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 12, 1934, Serial No. 710,812
In Germany February 14, 1933
1 Claim. (Cl. 250—20)



In signalling apparatus, a relay circuit provided with input terminals and output terminals,

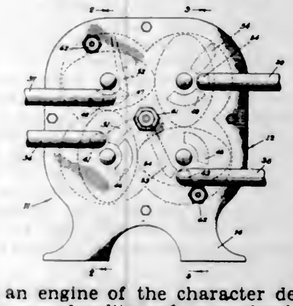
a tunable circuit connected across the input terminals, said tunable circuit comprising an inductance coil and a variable condenser, said latter being shunted across the coil, means connecting one end of the coil directly to ground, an untuned loop circuit including a loop and an inductance coil forming a closed circuit, inherent capacity between the loop circuit and a source of disturbing energy through which disturbances are transferred to the loop circuit, said second inductance coil having a low impedance value as compared to the impedance of said inherent capacity, means for closely coupling said two inductance coils including a core made up of powdered magnetic material.

2,097,881

ROTARY ENGINE

Milton S. Hopkins, Glendale, Calif.,

Application November 26, 1935, Serial No. 51,644
9 Claims. (Cl. 103—126)



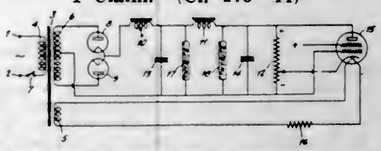
1. In an engine of the character described, a housing, a plurality of non-circular rotors mounted therein for simultaneous rotation all in the same direction about parallel axes, and contacting each other throughout their entire cycle of rotation whereby they and opposed walls of said housing cooperate to define a chamber whose volume varies as said rotors turn, the periphery of each of said rotors being defined by an arc at each end thereof having its center on the major axis of the rotor, and an arc defining each side of the rotor and connecting said end arcs, each side arc having its center on the line of the minor axis of the rotor beyond the axis of rotation thereof from said side arc, and means for conducting fluid to and from said chamber.

2,097,882

POWER SUPPLY CIRCUITS

William T. Hudtwalker, Richmond Hill, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 9, 1933, Serial No. 675,062
1 Claim. (Cl. 178—44)



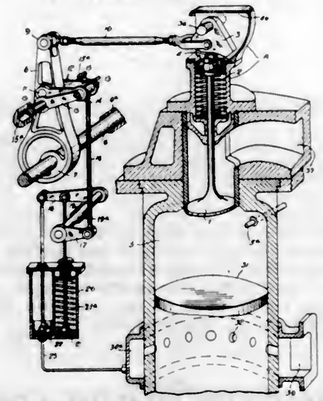
A filter circuit for use in connection with power supply systems utilized to energize thermionic tubes provided with indirectly heated cathodes and wherein an appreciable period of time is required for energizing the indirectly heated cathodes, said filter system including a choke and at least one filter condenser, an additional filter means shunted across the filter condenser comprising a device for protecting the filter condenser during the period of time required to energize the indirectly heated cathodes, said device comprising an element composed of a granular material having a hyperbolic resistance-ampere characteristic which is unaffected by variations in the rate of change of voltage applied to the element to produce a flow of current therethrough, the resistance of said element being always substantially the same for a given density of current flow through it whether the value of the said current density is attained by increasing or by decreasing the current flow, said additional filter means having a decreasing impedance with increasing applied potential across it whereby the additional filter means operates to smooth out current passing through the filter circuit.

2,097,883

INTERNAL COMBUSTION POWER PLANT

Johan Erik Johansson, Gothenburg, Sweden, assignor to Aktiebolaget Götaverken, Gothenburg, Sweden, a corporation of Sweden

Application December 14, 1933, Serial No. 702,377
In Sweden December 15, 1932
7 Claims. (Cl. 60—44)



1. In a power plant, the combination with a reciprocating internal combustion engine having a cylinder in which charge forming air is compressed and which discharges combustion gases at substantial back pressure for further expansion in a prime mover, of air compressing means for supplying charging and scavenging air to said cylinder at pressure sufficiently high to cause a part of such air to be discharged at said back pressure with said combustion gases, and means responsive to a fluid pressure indicative of the final compression pressure in the engine cylinder for maintaining said final compression pressure substantially constant by varying the commencement of the period of compression in the cycle of operation of said engine.

2,097,884

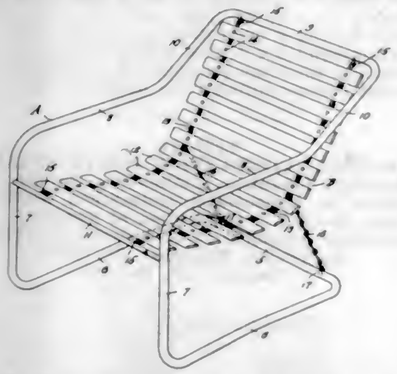
CHAIR OR ANALOGOUS ARTICLE OF FURNITURE

Emil A. Kann, Lawrence, N. Y.

Application June 29, 1935, Serial No. 29,045
2 Claims. (Cl. 155—54)

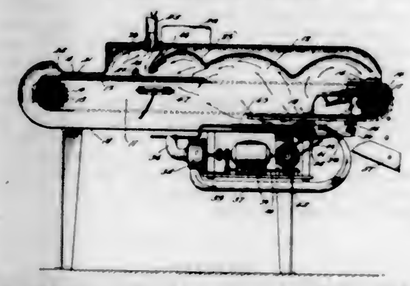
1. In a chair or similar article of furniture, a continuous resilient tubular supporting frame bent to provide a horizontally disposed base, upwardly extending legs constituting a continuation

of the forward ends of the side leads of the base, rearwardly directed arms constituting a continuation of the upper ends of the legs and an inverted U-shaped back rest support constituting a continuation of the rear ends of the arms, a transverse rung connecting the legs adjacent their upper ends, a seat and back rest forming member comprising spaced parallel transversely disposed slats and links flexibly connecting the slats together adjacent their ends, said links secured to the underside of and projecting beyond the side edges of the slats and bent to form eyes



at their opposite ends interconnected with the eyes of the links of adjacent slats, and the opposite end links being flexibly anchored to the bight of the U-shaped back rest support and to the transverse rung, and a pair of flexible elements secured at their lower ends to the bight of the U-shaped base and to the links at the juncture of the seat and back rest portions of said member to hold the back rest portion thereof in a rearwardly inclined position and the seat portion thereof in a forwardly inclined position when the frame is in normal position or flexed by the weight of the occupant.

2,097,885
APPARATUS FOR IMPARTING A POLISH
Gustave E. Koppe, Providence, R. I.
Application April 16, 1932, Serial No. 605,720
3 Claims. (Cl. 91—55)



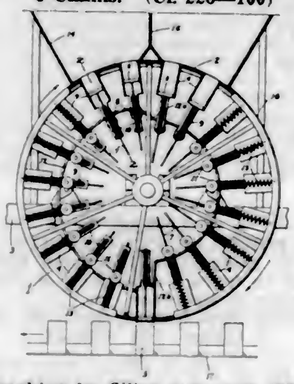
1. In combination, a casing having an inlet and an outlet, a conveyor mounted in said casing, a deflector mounted above said conveyor and dividing the upper portion of said casing into a treatment chamber and a drying chamber, means for passing chemical vapor into said treatment chamber, and means for passing heated air through said drying chamber.

2,097,886
PACKING FOR FRAGILE ARTICLES
Morris Koppelman, Brooklyn, N. Y.
Application December 22, 1934, Serial No. 758,745
3 Claims. (Cl. 217—26)



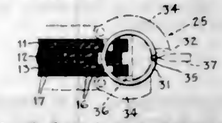
1. In a packing for eggs and other fragile articles, a sheet of fibrous material having article supporting and holding members thereon, the said members comprising round, upstanding, hollow article-fitting ridges with downwardly spreading sides having a cup-like depression in the interior to receive an end of an article, said round ridge being of a size and form to support the article out of contact with the bottom of said depression but in contact with the walls of said depression above its bottom, said ridge having therein grooves extending therethrough and crosswise thereof approximately to the bottom of said depression and being downwardly and inwardly inclined and tapered and extending to a point below the area of article contact, the said parts being constructed and arranged to direct air entering said grooves or liquid exuding from the article or gravitating on the surface thereof to the bottom of said depression and to permit air to pass through said holders from one side to the other beneath said article and to and from the exterior of said members.

2,097,887
CAN FILLING MACHINE
Wilbur E. Lacey, Oakland, Calif., assignor to George A. Dow
Application September 21, 1935, Serial No. 41,583
5 Claims. (Cl. 226—100)



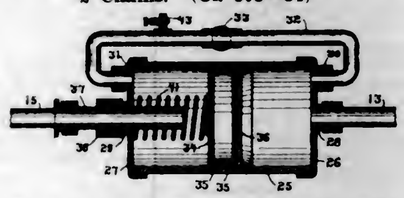
2. A machine for filling cans with different ingredients including, in combination, a container provided with a plunger constituting a movable bottom to the container and the contents of the container corresponding to the volume of the can to be filled, a succession of hoppers each containing an ingredient to go into the can, means whereby the container is made to traverse the discharge openings of the respective hoppers and successively to receive its pro rata of the respective hopper contents, and means for delivering the contents of the container directly into a can.

2,097,888
METHOD OF FORMING BOOKS
Frank J. Leyerle, Mechanicsville, N. Y.
Application April 13, 1935, Serial No. 16,122
1 Claim. (Cl. 11—1)



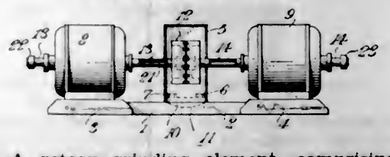
A method of forming a permanently bound book from a collection of sheets having aligned registering perforations along the edge to be bound, said method comprising forming the free ends of a staple-shaped binding wire into rings, passing said free ends through a pair of said perforations adjacent one side of said book as said free ends are being formed into rings, welding the extremities of said free ends to the connecting portion of said staple-shaped binding wire while they are being held in position by said forming means, and successively treating other staple-shaped binding wires in an identical manner until the binding is completed.

2,097,889
HYDRAULIC BRAKING SYSTEM
Floyd O. Miller, Akron, Ohio
Application December 20, 1935, Serial No. 55,377
2 Claims. (Cl. 303—84)



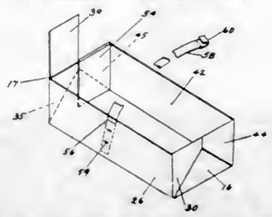
1. In a device of the character described, a cylindrical casing, a piston mounted therein, said casing having an inlet opening in one end thereof and provided with an outlet opening in the other end thereof, an outlet tube adjustably secured in said outlet opening and projecting into said casing to limit the movement of said piston, said piston adapted to close the bore of said tube when brought into operative contact therewith and means to operatively interpose said casing in a fluid pressure line.

2,097,890
ROTARY GRINDER
Elman B. Myers, Norristown, Pa., assignor of ten percent to Howard W. Dix, New York, N. Y.
Application September 6, 1928, Serial No. 304,337
2 Claims. (Cl. 83—8)



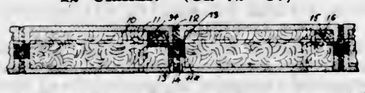
1. A rotary grinding element, comprising a hollow hub portion, an intermediate flexible support, and a rim portion secured to the support, and having a flat grinding surface lying in substantially the same plane as the support, the center of gravity of the rim mass and the grinding surface lying on opposite sides of the flexible support, whereby the grinding element is adapted, on rotation, to be flexed in the direction of the grinding surface, said flat grinding surface being provided with a plurality of peripheral depressions in the grinding surface adapted to serve as cutting members whereby to provide a shearing action of materials issuing from the grinding surface, a majority of said depressions being of substantially equal width from their beginnings in the grinding surface and continuing into the periphery of said rim portion, and having the depths of said depressions varying substantially on the arc of a circle, said depressions extending only part way through said rim.

2,097,891
BOX OR CARTON
Clifford J. Munce, London, Ontario, Canada
Application June 9, 1934, Serial No. 729,761
7 Claims. (Cl. 229—34)



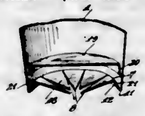
2. A box of pliable material formed from a single blank and having sides and ends, a reinforce member for each of the sides, and a hand hold member and a combined locking member and end reinforce formed integral with each side.

2,097,892
INSULATED TILE UNIT AND STRUCTURE
Edward R. Powell, Alexandria, Ind.
Application November 25, 1935, Serial No. 51,393
12 Claims. (Cl. 72—37)



1. A hollow tile building unit as an article of manufacture, including hard structural inner and outer shells with relative little web material connecting same, water repellent insulating material substantially filling the enclosed space between the shells, and means on the through webs to prevent capillary conduction of water therethrough.

2,097,893
CONTAINER
Samuel Reich, New York, N. Y.
Application November 22, 1935, Serial No. 51,049
3 Claims. (Cl. 229—5.5)



1. In a container, a body portion, the lower edge of the body being formed with an internal channel, tongues extending inwardly from the upper edge of the inner wall of the channel, said tongues being disposed in contiguous relation with one another to form a solid bottom for the container, and means co-acting with the channel to maintain the tongues in their contiguous relation and to reinforce the bottom.

2,097,894
BALANCING DEVICE FOR GRINDING OR POLISHING WHEELS
John Roche, Battle Creek, Mich.
Application September 26, 1935, Serial No. 42,294
8 Claims. (Cl. 51—169)

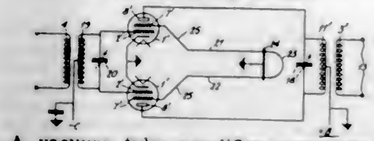


6. A balancing device for a grinding wheel, comprising a casting having an annular web provided with means for attaching the casting to the wheel and having a central aperture, a circumferential shouldered channel opening to one side of said casting, said casting having a plurality of uniformly disposed openings to the other side thereof, permitting insertion of weights in the channel and adapted to engage locking lugs on the wheel, a plurality of arcuate weights disposed in said channel and adjustable therein, and locking means threaded in said weights and bearing against said shoulders to lock the weights against movement in said channel.

2,097,895
MANUFACTURE OF ARTIFICIAL RESINS AND THE LIKE
Edmund Charles Rossiter, London, England, assignor, by mesne assignments, to American Cyanamid Company, a corporation of Maine
No Drawing. Application October 10, 1928, Serial No. 311,704. Renewed January 31, 1936. In Great Britain December 23, 1927
2 Claims. (Cl. 260—3)

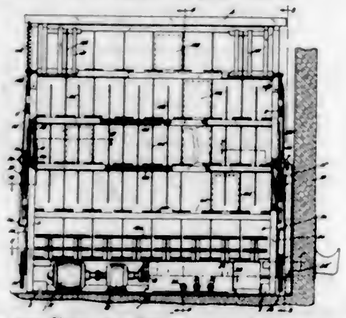
2. A resinous reaction product of formaldehyde, dicyandiamide, and an organic acid selected from a group consisting of oleic acid, stearic acid, linoleic acid, ricinoleic acid, butyric acid, camphoric acid, sulfanilic acid and naphthalene sulphonic acid.

2,097,896
AMPLIFYING ARRANGEMENT
Bernard Salzberg, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 13, 1933, Serial No. 697,783
5 Claims. (Cl. 179—171)



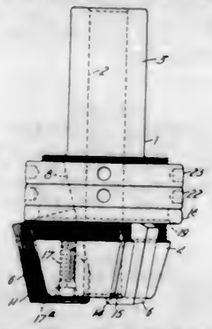
1. A vacuum tube amplifier comprising the combination of a tube having at least a cathode, a control grid, a plate and a screen grid located between said control grid and plate, means for impressing voltage variations of high radio frequency on said control grid, a ground and a connection between said screen grid and ground comprising a transmission line having an electrical wave length of ½, where l is the wave length of the applied signal frequency.

2,097,897
ICE VENDING MACHINE
John H. Schreiber, St. Louis, Mo.
Application November 5, 1932, Serial No. 641,335
21 Claims. (Cl. 312—35)



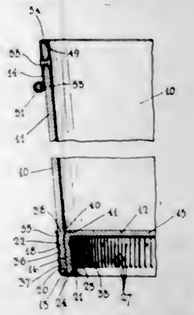
1. A vending machine comprising an article serving support adapted to receive a plurality of articles to be dispensed, means other than said support operable to individually discharge said articles from said support while said support remains unoperated, mechanism for moving said means in opposite directions from and to a starting position at each effective operation thereof, and means operated in timed relation with said first named means to reload said support when discharged.

2,097,898
ADJUSTABLE HOLLOW MILL
Ole Severson, Shelton, Conn., assignor to The O. K. Tool Company, Inc., New York, N. Y., a corporation of New York
Application August 12, 1931, Serial No. 556,596
4 Claims. (Cl. 29—105)



1. A hollow mill cutting tool of the inserted blade type combining a hollow cylindrical body member provided with a plurality of radially arranged peripheral blade apertures at one end thereof, said apertures passing completely through the shell of the body at the forward end thereof, each of the apertures having side walls lying in parallel spaced planes and a bottom wall; cutter blade members having parallel side surfaces adapted to be fitted to said apertures with the forward portions thereof projecting into the hollow interior of the body and the bottom surfaces thereof in spaced relation to said bottom walls, each of said blade members having cutting edges provided across its forward end and around its inner corner; means adapted to move said blade members in a forward direction and simultaneously toward the axis of said body comprising a screw threaded element threaded to said body member and operatively engaging the rear portion of each of said blades; a plurality of interfitting parallel serrations formed on adjacent faces of each blade and blade apertures for guiding said blades in said direction of movement and simultaneously maintaining said blades in said spaced relation, said serrations being inclined forwardly and toward the tool axis and providing means for moving said blades laterally one or more serrations to effect major changes in tool diameter; and means individual to each blade for flexing entire end portions of said shell circumferentially against the blades thereby to clamp said blades in adjusted position.

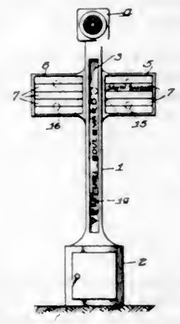
2,097,899
METHOD OF FORMING CONTAINERS
Swan Smith, White Bear, Minn., assignor to David C. Shepard, St. Paul, Minn.
Application December 5, 1935, Serial No. 53,022
8 Claims. (Cl. 93—39.1)



1. The method of forming the side wall structure of a conical container from a length of paper, which consists in cutting the paper transversely along curved lines to form separate sheets having the same degree of curvature at the top and bottom, and of a curvature such that the edges of the sheets at one end of the formed wall structure will register with one another, in securing the sheets together, in wrapped relation, one upon the other with the registrable edges in register, and in trimming the several sheets of the formed wall structure collectively at the other end of the said wall structure.

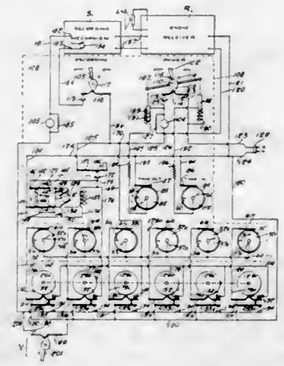
2,097,900
AUTOMATIC ROAD DIRECTION SIGN
Joseph B. Strauss, Chicago, Ill.
Application September 14, 1931, Serial No. 562,666
2 Claims. (Cl. 40—132)

1. A road direction sign comprising a hollow post, a frame projecting laterally therefrom on each side thereof, removable sign slats in said frames, and a light behind said sign slats, and a sign bearing portion extending vertically along said post intermediate said laterally projecting frames, and means for illuminating said vertically extending sign bearing portion and connections between said illuminated means and



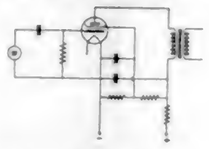
said vertically extending sign bearing portion extending along the hollow of said post.

2,097,901
RADIO TUNING APPARATUS
Adolph A. Thomas, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 28, 1932, Serial No. 607,917
7 Claims. (Cl. 250—20)



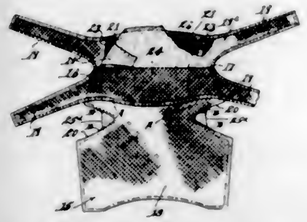
6. A clock-controlled tuning mechanism for radio receivers, comprising in combination a plurality of dials representing each a certain station, a pair of rotary electric contacts associated with each dial, one contact of each pair being manually adjustable and the other contact being operated by clock-work, a single clock-driven shaft for simultaneously operating all of said other contacts, whereby the manual adjustment of the first-named contact of any dial determines the time at which said contact engages the associated clock-driven contact, means whereby the engagement of a pair of said contacts automatically tunes in the station represented by the corresponding dial, a pair of additional dials carried by said mechanism and having each a manually adjustable pointer to indicate the time, contact means associated with said additional dials for causing the connected radio receiver to be automatically turned on and off at the respective times indicated by the pointers of said additional dials.

2,097,902
DETECTOR CIRCUIT
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 1, 1933, Serial No. 673,877
In Germany June 2, 1932
4 Claims. (Cl. 250—27)



1. In the operation of a screen-grid tube grid circuit detector, the method of maintaining the steady component of the plate current flow substantially uniform despite variations in the strength of carrier energy applied to the input of the detector which comprises utilizing the variations in steady component of the plate current due to variations in the strength of the carrier energy to proportionately and in an opposite sense vary the screen grid voltage.

2,097,903
DIAPER
Clarissia Wallis, Chicago, Ill.
Application December 26, 1935, Serial No. 56,153
2 Claims. (Cl. 128—284)

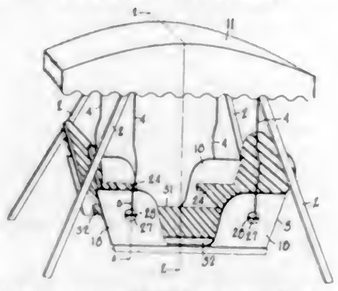


2. A diaper as described, comprising inner and outer absorbent layers, said layers having leg cut-out portions at the side thereof, and means to prevent the outer layer from becoming moist upon the moistening of the inner layer, said means including a non-absorbent element between said layers, the side edges of said element being adapted to extend outside of and partially across the said leg cut-outs and adapted to adhere to the body of the wearer upon becoming moist.

2,097,904
PRODUCTION OF MALEIC ACID
Clyde H. Walters, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 9, 1935, Serial No. 15,398
10 Claims. (Cl. 260—116)

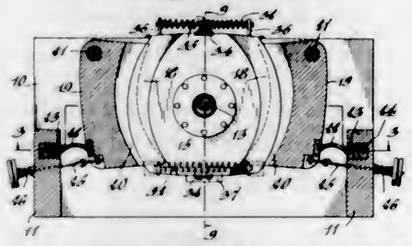
1. The process for preparing maleic acid which comprises contacting the vapors of a free oxygen-containing gas in excess of that necessary for complete combustion and a member of the group consisting of butylene, butadiene, and substances from which butylenes are readily generated, with an oxidation catalyst containing as essential constituents tin vanadate, molybdenum oxide and titanium oxide, at a temperature of about 250° C. to about 400° C., and recovering the maleic acid from the reaction product.

2,097,905
SWING
Earl L. Weaver, Goshen, Ind., assignor to The Goshen Manufacturing Company, Goshen, Ind.
Application October 26, 1934, Serial No. 750,039
6 Claims. (Cl. 155—62)



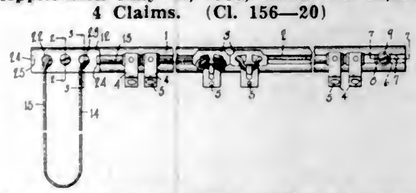
3. A swing comprising a horizontal frame having outwardly and downwardly inclined corner posts provided with alined transverse bores, bearings fitting within said bores, a gondola having opposed side panels provided with transverse holes, seats having side rails disposed adjacent the inner sides of said panels and provided with downwardly opening slots in line with said holes, inner and outer plates bolted together through said side rails and side panels and having bearing holes therein, and hanger rods having outturned upper ends extending through said bearings for supporting the hangers, and inturned lower portions extending through the bearing holes in said side plates for supporting the gondola, and nuts threaded to the ends of said hanger rods.

2,097,906
CRUSHER FOR STONE AND LIKE MATERIALS
William L. Wettlaufer, Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application September 8, 1933, Serial No. 688,598
3 Claims. (Cl. 83—10)



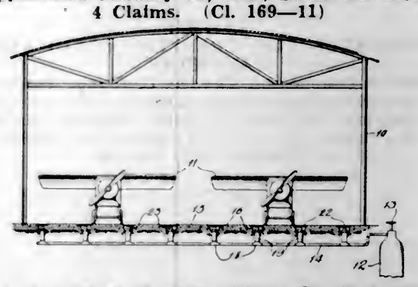
1. In a crusher, a movable crusher body provided with horizontally opposed crusher faces, normally stationary jaws supported in a frame on opposite sides of said body and forming therewith two downwardly convergent throats, an eccentric shaft extending through said body at substantially its center of gravity for gyrating the same with respect to said jaws, and coil spring means above and below said crusher body and between it and said frame constantly urging said body to a neutral position between said jaws.

2,097,907
TRAVERSE CURTAIN ROD
Archie A. Allen, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application May 22, 1936, Serial No. 81,238
4 Claims. (Cl. 156—20)



3. A cord separator and guide for a traverse curtain rod construction in which a rod of substantially C-shaped cross section is employed as a track and to conceal the traverse cord, comprising an inside plate to be disposed within the rod and of a width greater than the width of the slot in the rod and having a pair of apertures therein for the passage of the traverse cord, an outside plate of greater width than the slot in the rod and having a pair of apertures in register with the apertures in the inside plate, and means for clamping said plates together, whereby said cord separator and guide is held in position at the slot in said rod by clamping the rod at the edge of the slot between said plates.

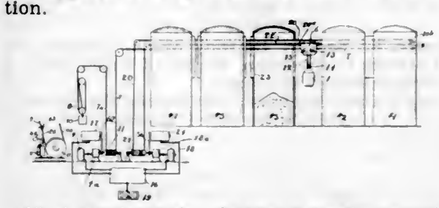
2,097,908
FIRE EXTINGUISHING SYSTEM
Scott E. Allen, Glen Ridge, N. J., assignor to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Application January 10, 1936, Serial No. 58,446
4 Claims. (Cl. 169—11)



1. A method of extinguishing fire in a space having a floor which consists in discharging below the floor level jets of fire extinguishing fluid liquefied under pressure, expanding the liquid into a gas, discharging the expanding gas through the floor, and with other jets of the extinguishing fluid discharging above the floor level spreading the expanding gas horizontally along the floor whence the expanded fluid may be drawn into the fire by suction produced by the fire.

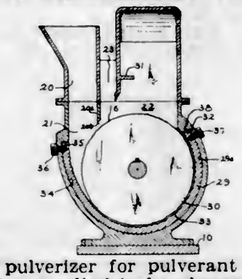
2,097,909
CONVEYER CONTROL SYSTEM
Frederick W. Atz, Jr., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1930, Serial No. 462,804
Renewed September 20, 1937
22 Claims. (Cl. 212—126)

1. A conveyer system comprising loading and unloading stations, a control station, a carriage, an electric motor at said control station for moving said carriage between loading and unloading stations, a material-supporting structure adapted to be transported by said carriage, a second electric motor at said control station for hoisting and lowering said structure toward and away from said carriage, means responsive to movement of said structure to loading position for effecting flow of material to be transported into the interior thereof, relays located at said control station for controlling the energization and direction of rotation of said motors, switch structure driven by said motors for controlling relays automatically to effect lowering and hoisting of said structure at said stations and travel of said carriage between said stations, and a slack-cable switch actuated when said structure engages at the unloading point material previously transported thereto for controlling said relays to effect reversal of said second motor to hoist said structure, all elements of the electro-mechanical control apparatus being located at said control station.



18. A carrier system having a carrier mounted on a trolley and arranged to be operated in a predetermined cycle from a loading station to and from an unloading station, a hoisting motor for raising and lowering said carrier, a trolley motor for driving said carrier between said stations, electromagnetically operated switches for establishing motor circuits to operate said motors in either direction, means for locking said electromagnetically operated switches in given positions and suited to maintain them in said positions in event of power failure, limit switches responsive to the movements of said carrier, and electrical means responsive to the operation of said limit switches for releasing said locking means.

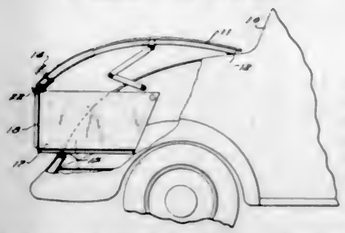
2,097,910
PULVERIZER
Harry H. Bates, Ridley Park, Pa.
Substitute for abandoned application Serial No. 689,513, September 15, 1933. This application March 14, 1935, Serial No. 11,179
6 Claims. (Cl. 83—14)



1. In a pulverizer for pulverant materials, a wheel having a cylindrical and granular peripheral abrading surface; a member having an internal arcuate and granular abrading surface closely spaced with respect to the wheel surface; side plates fitting closely with respect to the wheel and the member and cooperating with said surfaces to define an arcuate pulverizing passage; means for supplying material to be ground

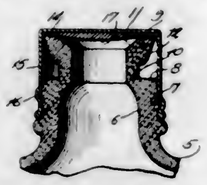
to the inlet end of said passage; material being ground and moved along the passage due to movement of the wheel; a separation chamber at the discharge end of said passage and transversely of which material discharged from the passage is thrown by the wheel surface, the bottom of said separation chamber being constituted by the wheel surface; means providing for a current of air entering the separation chamber between the wheel surface and the tangential stream of discharging material and flowing across the latter to effect separation of lighter from heavier particles and to carry away the lighter particles in suspension, the heavier particles dropping onto the wheel surface; and means utilizing the wheel surface to convey heavier particles from the separation chamber to the inlet end of said passage.

2,097,911
VEHICLE BODY
George F. Becker, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 8, 1936, Serial No. 94,908
5 Claims. (Cl. 296—26)



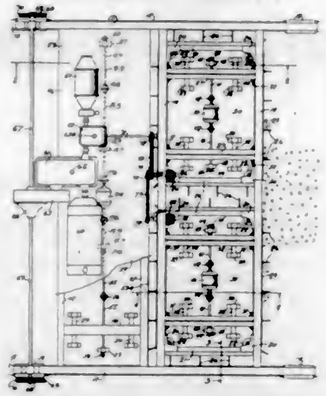
1. In a vehicle body including a storage compartment having a closure member therefor and a supplemental carrier for said compartment; mechanism for latching said closure member to said carrier comprising a latch engageable element carried by said carrier and a cooperating latching element carried by said closure member, said first named element receiving and supporting an end portion of said closure member.

2,097,912
BOTTLE NECK CONSTRUCTION
Stanley Ward Burnham, Elizabeth, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
Application June 8, 1934, Serial No. 729,686
2 Claims. (Cl. 215—31)



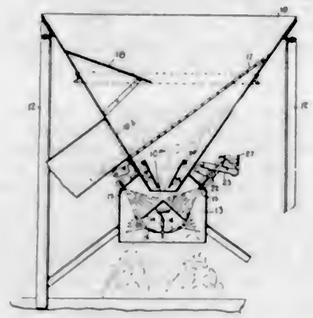
1. A bottle-neck construction having a pouring lip co-extensive with the entire circumference of the bottle neck formed by an upwardly and outwardly inclined inner face and a downwardly and inwardly inclined outer face, and a well defined horizontally-spaced pouring ledge between the upper ends of said faces and forming an acute angular dropping edge with said outer face.

2,097,913
APPARATUS FOR LAYING PAVEMENT
Dell G. Clifford, Chicago, Ill.
Application March 18, 1933, Serial No. 661,490
22 Claims. (Cl. 94—44)



1. A pavement laying machine embodying means for advancing the machine to a pile of material exterior of the machine, means for removing the material from such pile and directly distributing the same substantially uniformly over the surface upon which it is to be laid and while the material is maintained upon such surface, and vibrating means operating upon the material as it is laid.

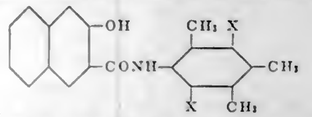
2,097,914
APPARATUS FOR TREATING SOLID FUEL PARTICLES
Edward Cooper and Thomas C. Shiels, Toronto, Ontario, Canada, assignors to Elias Rogers Company Limited, Toronto, Ontario, Canada
Application May 1, 1937, Serial No. 140,087
6 Claims. (Cl. 91—44)



1. Apparatus for treating solid fuel comprising a hopper adapted to hold fuel particles having a discharge opening in its lower end; spray nozzles below the discharge opening of the hopper; a feed pipe for feeding liquid under pressure to the nozzles; a valve in the feed pipe; pivoted fingers adjacent the lower end of the hopper, said fingers tending to rise but adapted to be depressed by the weight of fuel in the hopper; and connecting members between the fingers and the valve whereby when the fingers are depressed the valve is opened.

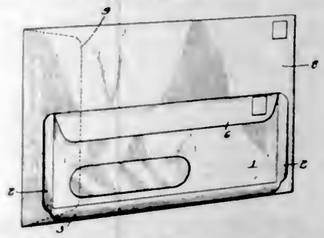
2,097,915
ICE COLOR INTERMEDIATES
Miles Augustinus Dahlen, Wilmington, Del., and Martin Edwin Friedrich, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1935, Serial No. 54,850
4 Claims. (Cl. 260—124)

1. A compound represented by the formula:



in which X is one of the group consisting of hydrogen, halogen, and methyl.

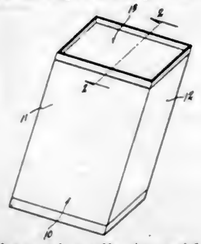
2,097,916
ENVELOPE
Charles F. Elmore, Evanston, Ill., assignor of one-half to Bernard W. Boman, Oak Park, Ill.
Application May 8, 1936, Serial No. 78,630
6 Claims. (Cl. 229—72)



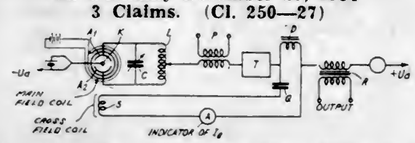
1. Means for forming a letter compartment on the outer surface of a relatively large envelope, or on the surface of a box or package or other container, comprising a single sheet of paper formed with integral gummed edge portions of single thickness for pasting upon the outer surface of said envelope or other container, having an entrance slot in an integral portion near one edge thereof, so that said slot is entirely external of and precludes entrance therethrough to the interior of said envelope or other container, and having said one edge provided with an integral flap for closing said entrance, whereby said sheet forms the outer wall of the letter compartment, while an imperforate outer wall of the envelope or other container forms the inner wall of said letter compartment, but with only single thickness edges for said letter compartment upon the outer surface of the envelope or other container.

2,097,917
METALLIC END CLOSURE FOR PAPER CARTONS
Joseph M. Frederick, Baltimore, Md., assignor of one-half to Jacob L. Rosenfield, Baltimore, Md.
Application August 14, 1936, Serial No. 96,065
4 Claims. (Cl. 229—43)

3. A receptacle of paper or other fibrous material having a plurality of sides and at least one open end, a metallic closure for said end comprising a unitary sheet metal stamping formed to provide a flat body portion and a substantially vertical channel at each side thereof each channel being adapted to receive therein the entire edge portion of a corresponding side wall of said receptacle, the transverse edges of adjacent channels being mitered and in juxtaposed relation so that in the fastening of the closure to the receptacle by the forced clamping of the channel walls to said edge portions of the receptacle side walls the mitered end edges of said channels are forced into abutting engagement to define solid corners completely covering the corners of said receptacle.



2,097,918
MAGNETRON DETECTOR
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 23, 1935, Serial No. 55,726
In Germany December 20, 1934
3 Claims. (Cl. 250—27)

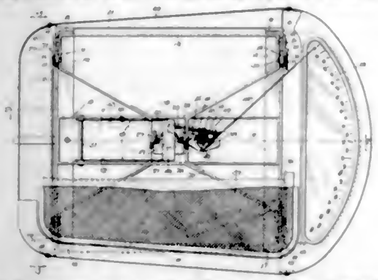


1. In a detector circuit for radio reception, an electron discharge tube of the magnetron type having a cathode and cylindrically formed anode segments symmetrically disposed about said cathode, a source of potential applied in circuit between the cathode and anodes and of such value that an unsaturated condition of space charge is produced, said anodes being disposed at a minimum operating radius about said cathode thereby to minimize the value of anode potential required for damping reduction, and a magnetic field producing device for directing the electron stream in said tube, said device having a coil coupled to the anode-cathode circuit.

2,097,919
SCALE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application June 3, 1935, Serial No. 24,608
4 Claims. (Cl. 265—68)

1. A scale having a base and a depressible platform carried in spaced relation therewith, platform supporting means comprising a pair of opposed members, said platform supporting means being pivotally carried on the base and having its opposed ends operatively connected together centrally of the platform, a coiled spring interposed between the base and said operative connections of the platform supporting means resisting the depressing movement of the platform, indicating means for registering the weight placed on the platform, said indicating means having operative connections extending adjacent the operative connection of the platform supporting means, and a follower having one end

thereof pivotally carried on the base and with its other end adapted to overlie and engage the operative connection of the platform supporting means and indicating means, said fol-



lower forming means to depress the operative connection of the indicator to move said indicator when a load placed on the platform depresses the platform supporting means.

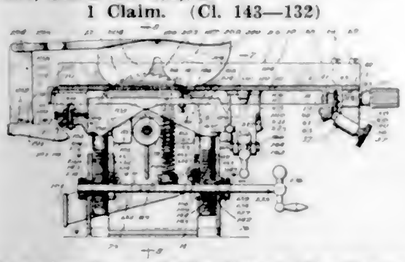
2,097,920

BENCH SAW TABLE

Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois

Original application May 27, 1935, Serial No. 23,541. Patent No. 2,075,282, dated March 30, 1937. Divided and this application March 29, 1937, Serial No. 133,542

1 Claim. (Cl. 143—132)



In a bench saw table, the combination of a bench saw table provided on its lower surface with a pair of substantially cylindrical sockets, with a pair of elevator shafts, one of said shafts being mounted in each of said sockets and fixedly secured therein, said shafts having a series of slots cut in one side forming gear teeth, a metal base comprising a cast metal member of substantially rectangular shape in plan, said base being provided with a pair of upwardly extending walls provided with horizontally extending bearing sockets, a saw blade rotatably mounted in bearings carried by said sockets and projecting through a slot in said table, said base being provided with a pair of vertically extending cylindrical bores for receiving said shafts, and said cylindrical bores communicating with transverse bores located in the side walls of said base, a drive shaft in said transverse bores, said drive shaft having a crank and being provided with combined thrust bearings and pinions, said combined thrust bearings and pinions being oppositely situated and having their thrust-bearing portions engaging the outer walls of said base, with the pinions projecting in said transverse bores and having their teeth in engagement with teeth of said shafts, said base being provided with a socket, and said table being provided with a downwardly projecting pin and a compression coil spring mounted in said socket about said pin for supporting a portion of the weight of said table, whereby the table may be elevated or lowered by means of said crank with respect to the saw blade.

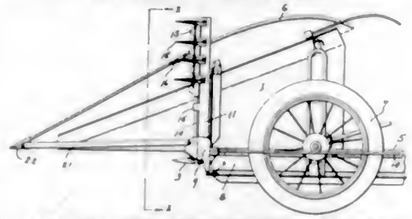
2,097,921

TANGLE CUTTER FOR REAPERS AND SIMILAR AGRICULTURAL IMPLEMENTS

Ferdinand M. Hite, Sherwood, Oreg.

Application July 20, 1936, Serial No. 91,530

4 Claims. (Cl. 56—316)



1. A tangle cutter for agricultural implements employed for cutting crops and provided with a reciprocating sickle for that purpose, comprising a support member mounted to the implement beneath the divider board thereof, braces pivotally connected between the forward end of the divider board and the member for folding such board, a sickle support mounted vertically upon such support and extending adjacent the outer side of the divider board and projecting thereabove, a sickle reciprocatably mounted within the sickle support, a bell crank journaled in the support member, a link connected between the sickle of the implement and one arm of the bell crank, and a link connected between the other arm of the bell crank and the second sickle.

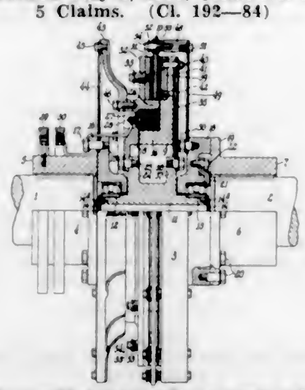
2,097,922

ELECTROMAGNETIC CLUTCH

Howard E. Hodgson, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application July 6, 1936, Serial No. 89,092

5 Claims. (Cl. 192—84)



1. The combination with a pair of axially spaced shafts, of a member supported at opposite ends by said shafts and permitting misalignment of said shafts and also relative rotation thereof, and an electromagnetic clutch having cooperating driving and driven elements, said driving element being carried by said member, and having a flexible driving connection between the same and one of said shafts and said driven element having a flexible driving connection between the same and the other of said shafts and being supported by said latter shaft.

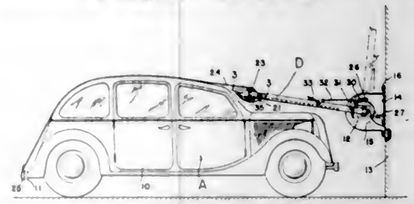
2,097,923

CAR PROTECTOR

Charles W. Hutchinson, Milwaukee, Wis.

Application March 23, 1936, Serial No. 70,359

3 Claims. (Cl. 135—5)



1. A collapsible shelter for automobiles comprising a swinging frame movable toward and away from the hood of an automobile, a canvas apron carried by said frame for the hood, releasable means for holding the frame in an adjusted position, a roller carried by the outer end of the frame, and a canvas covering normally wound on said roller adapted to be moved over the top of an automobile.

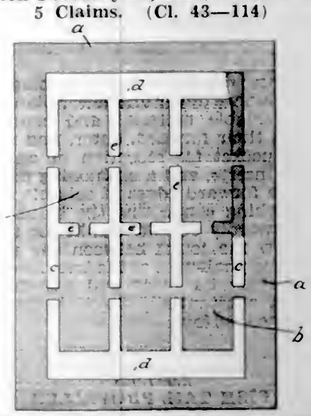
2,097,924

FLY PAPER

William S. Kell, Upper Darby, Pa.

Application February 25, 1937, Serial No. 127,634

5 Claims. (Cl. 43—114)



1. A sheet of fly paper the major part of the surface of which is comparatively smooth and of a color for which the fly exhibits a preference, a minor part of the surface of which is comparatively rough, the interior part of the colored surface adjacent the roughened surface being covered with a sticky substance, the marginal portion of the colored surface being free of said sticky substance.

2,097,925

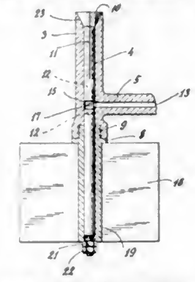
MEANS FOR AUTOMATIC FUEL MIXTURE ADJUSTMENT ACCORDING TO TEMPERATURES

Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware

Application August 15, 1936, Serial No. 96,191

4 Claims. (Cl. 261—39)

1. An automatic air-fuel mixture regulating device for internal combustion engines, comprising, a carburetor, a tube therein for introducing fuel, said tube containing a member having an outlet orifice that is capable of variable size, means for supplying fuel to said orifice, and a device



operated by changes in the temperature of the surrounding atmosphere to vary the effective area of said orifice.

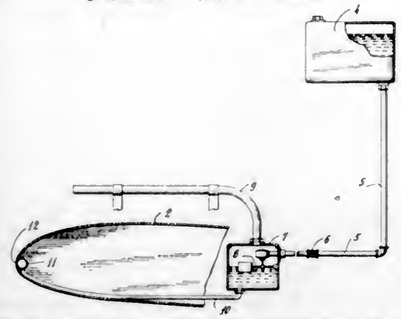
2,097,926

DEICING APPARATUS FOR AIRPLANES

Leo B. Kimball, New Haven, Conn., assignor to Fuel Development Corporation, a corporation of Delaware

Application June 9, 1937, Serial No. 147,198

5 Claims. (Cl. 244—134)



2. In deicing apparatus for airplanes, the improvements that comprise, internal means for distributing a deicing liquid over the surface to be deiced, a chamber having a substantially constant level of deicing liquid therein, a pipe leading from said chamber to said distributing means, a device for producing an hydrostatic pressure on said liquid in said chamber and in said pipe, and means to counterbalance said pressure when said distributing means is not obstructed by ice.

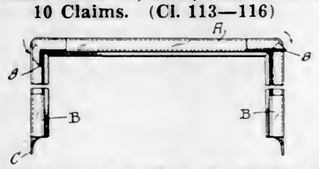
2,097,927

METHOD OF MAKING BAG FRAMES AND BLANKS THEREFOR

William J. Klemp, Maplewood, N. J., assignor to Karl Oswald, Newark, N. J.

Application June 26, 1936, Serial No. 87,420

10 Claims. (Cl. 113—116)



1. The steps in a method of forming a metal frame, consisting in forming a strip of metal into channel shape with a slit transversely of the base

and side walls of the channel in a plane inclined to said base and terminating short of the free edges of said side walls, and bending the channel at said slit and forcing the ends of the base and side walls at one side of said slit into the channel at the other side of the slit.

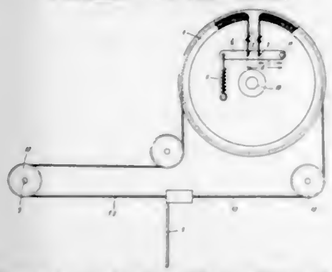
10. A blank for a frame section comprising a strip of bendable sheet material having a V-shaped mitering notch in one longitudinal edge and a U-shaped slit extending transversely of said strip with one arm terminating short of the base of said notch and with its extremity in alinement transversely of the strip with the base of the notch.

2,097,928

CORD TENSIONING DEVICE FOR TUNING MEANS

Erwin König, Berlin-Neukolln, Germany, assignor to Allgemeine Elektricitats Gesellschaft Friedrick Karl, Berlin, Germany, a corporation of Germany

Application January 30, 1936, Serial No. 61,549
In Germany March 25, 1935
3 Claims. (Cl. 116—124.1)



1. Means for indicating the position of an adjustable radio device comprising the combination of a pulley connected to said device, a pointer, cords extending in opposite directions over the periphery of said pulley to said pointer, a lever pivotally connected to said pulley and having spaced apart points to which the ends of said cords are secured, and means moving said lever in a direction to tension said cords.

2,097,929

PLANT BALL PACKAGE AND METHOD OF MAKING THE SAME

John Thompson Lovett, Jr., Little Silver, N. J.

Application February 27, 1936, Serial No. 65,937
5 Claims. (Cl. 47—37)



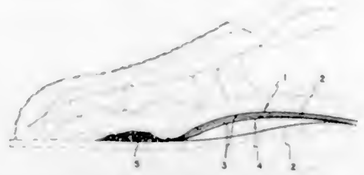
2. A plant ball package including a plant ball, a casing formed about the same, said casing consisting of a waterproof multiply sheet material that is creped longitudinally of the plant ball to facilitate the forming of the casing, securing cords tensioned around the casing, said casing being secured at the lower end thereof to the plant ball, and at its upper end substantially directly about the plant stem, and a restraining band of a flat sheet material wound around said casing intermediate of the ends thereof, said band being continuously adhesively joined to the casing, said band providing a relatively smooth outer surface of substantial area adapted to receive indicia respecting the plant ball.

2,097,930

FOOT APPLIANCE

Rudolf Lustig, deceased, late of Milwaukee, Wis., by Emily Lustig, administratrix, Milwaukee, Wis., assignor to Adam J. Deneseus, Milwaukee, Wis.

Application August 6, 1936, Serial No. 94,656
1 Claim. (Cl. 36—71)



A corrective shoe insert comprising an arch support including upper and lower blanks formed of thin yieldable material and connected by stitching at their forward, outer, and rear edges to form a pocket for reception of one or more cushioning inserts, and a cushioning pad secured between the forward edges of said blanks by the line of stitching connecting the blanks and extending forwardly of said blanks for supporting a foot below the joints between the metatarsal bones and the phalanges of the toes, said cushioning pad having its front and attaching edges skived to a substantially feather edge forming a top crowned surface.

2,097,931

FISH TAIL PROPELLER

Harry Clayton Martin, St. Petersburg, Fla.

Application January 15, 1937, Serial No. 120,812
17 Claims. (Cl. 115—30)



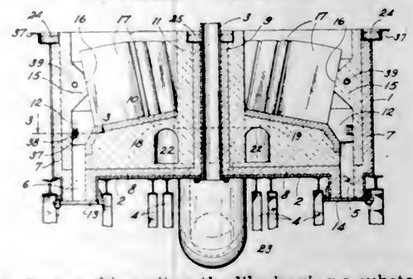
1. In a fish-tail propeller, a support, means to mount said support over the end of a boat, a beam pivotally mounted in said support on a vertical axis, one end of said beam extending into the boat and the other end extending to the rear of the boat and carrying a vertical sleeve, a propeller blade having a shaft pivotally journalled in said sleeve, a lever journalled on an axis coincident with that of said propeller's shaft, resilient means connecting said lever with said propeller blade's shaft and continuously tending to maintain the propeller blade in line with said beam.

2,097,932

SOAKING PIT

Willis McKee, Cleveland, Ohio, assignor to Central National Bank of Cleveland

Application March 20, 1937, Serial No. 132,106
10 Claims. (Cl. 263—9)



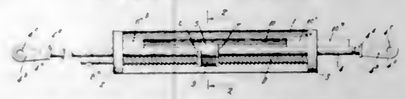
1. In a soaking pit or the like having a substantially circular heating chamber, a central pilaster, a top for said heating chamber having a bearing on said pilaster and rotatable thereabout, said top having a hatchway opening into the heating chamber, a cover for said hatchway, means for rotating said top about said pilaster, and means for moving said cover to open and close said hatchway.

2,097,933

SYNCHRONIZING APPARATUS

Glen E. McPherren, San Diego, Calif., assignor of one-half to Philip Taber, San Diego, Calif.

Application February 20, 1937, Serial No. 126,788
7 Claims. (Cl. 74—395)



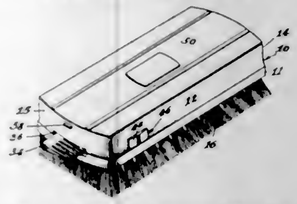
1. In a synchronizing apparatus, a pair of spaced journal members, a shift rod, shiftably mounted longitudinally in said journal members, a long gear member positioned parallel with said shift rod journaled in said journal members and having a shaft extending from one end thereof, a screw member parallel with said long gear member journaled in said journal members with an extended shaft extending in the opposite direction from the extended shaft of said gear member, a short gear screw threaded on said screw member and meshing with the other gear member, and means connecting said short gear member with said shift rod.

2,097,934

TOILET ARTICLE

Simon Morrison, New York, N. Y.

Application November 18, 1935, Serial No. 50,321
2 Claims. (Cl. 132—87)



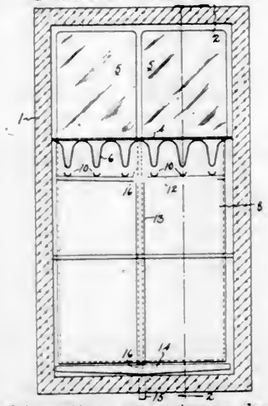
1. A device of the character described comprising a casing made up of a bottom, a thin metallic shell forming side and end walls and a tray fixedly secured within said side walls above said bottom, said tray being formed to provide article receiving compartments, and means associated with the walls of said compartments for retaining articles therein.

2,097,935

REFRIGERATOR

Clara E. Quinn, Mount Vernon, Ill., assignor to Broquinda, Inc., Wilmington, Del., a corporation of Delaware

Application March 21, 1936, Serial No. 70,050
4 Claims. (Cl. 62—89)



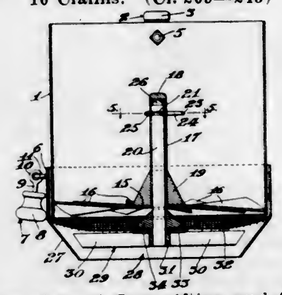
1. A refrigerating apparatus as described comprising a heat insulated cabinet, a metal shelf forming a partition dividing the cabinet into two chambers, a corrugated wall secured to the under surface of said shelf forming a container composed of a plurality of channel-shaped compartments, said wall and shelf being joined to close said compartments at one end, and at the other end connecting with a metal fin-shaped casing, said compartments communicating with each other through said casing, said casing extending below said shelf and forming with the container a closed circulating system for a secondary refrigerant.

2,097,936

DEVICE FOR SIFTING AND FLUFFING FLOUR

Junius D. Roberson, Cleburne, Tex.

Substituted for abandoned application Serial No. 756,865, December 10, 1934. This application May 3, 1937, Serial No. 140,458
10 Claims. (Cl. 209—245)



1. A two element flour sifting and fluffing device, one element comprising a swingably suspended upper flour receiving container having a

generally solid flour-supporting bottom provided with restricted openings whereby to normally support the contained flour in a naturally self-packed quantity, the other element comprising a lower sifter container movably supported on said upper container and having a sifting screen in receiving relation beneath the restricted openings of the flour-supporting bottom of said upper container, stop means for limiting relative reciprocal movement between said upper and lower containers, and means for forcibly reciprocating said lower container on its support on said upper container, with impact of said stop means at the end of each stroke in either direction, whereby flour is dislodged from the flour supporting bottom of said upper container and delivered in limited quantity into said lower container and by the same impacting effect the deposited flour is sifted through the sifting screen of said lower container without accumulation on the screen.

2,097,937

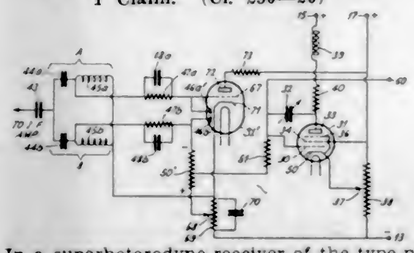
HIGH FREQUENCY OSCILLATING CIRCUIT

Noël Meyer Rust, Chelmsford, Essex, England, assignor to Radio Corporation of America, a corporation of Delaware

Application October 8, 1935, Serial No. 44,045

In Great Britain September 14, 1934

1 Claim. (Cl. 250—20)



In a superheterodyne receiver of the type provided with an intermediate frequency energy circuit and a tunable local oscillator circuit whose frequency is to be automatically controlled, the improvement which consists of a network comprising a pair of resonant circuits, each resonant circuit including a rectifier, means for impressing the intermediate frequency energy upon said resonant circuits, one of the resonant circuits being tuned to a frequency differing from the intermediate frequency by a predetermined frequency value, the other resonant circuit being tuned to a frequency differing from the intermediate frequency by the same frequency value but in an opposite direction, an electron discharge tube, means, responsive to the current flow in one of said rectifier circuits, for varying the space current flow of said tube, an impedance in the space current circuit of said tube, and tube means connected to said impedance and the second of said rectifier circuits, and whose gain is responsive to direct current voltage developed across said impedance by the space current flow therethrough and the current flow in said second rectifier circuit, for providing a reactance of variable magnitude.

2,097,938

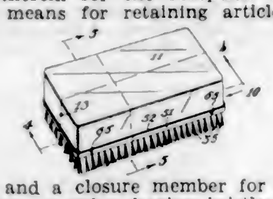
TOILET ARTICLE

Theodore Sundin, New York, N. Y., assignor to Metalfield Incorporated, Long Island City, N. Y., a corporation of New York

Application July 25, 1936, Serial No. 92,496

5 Claims. (Cl. 132—87)

1. A device of the character described comprising a generally rectangular shell, a liner therefor of molded material, said liner having pockets molded therein for the reception of articles, resilient means for retaining articles in said



pockets, and a closure member for said shell, said closure member having bristles extending from one surface thereof.

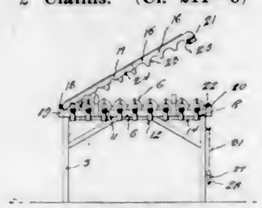
2,097,939

MACHINE GUN RACK

William H. Timm, Appleton, Wis.

Application May 29, 1936, Serial No. 82,529

2 Claims. (Cl. 211—8)



1. A machine gun rack comprising a supporting base, a top frame rigidly connected to said base including front and rear bars having their upper edges provided with transversely alined notches for receiving parts of the machine guns, the notches conforming to the configuration of the parts of the guns engaged, a swinging frame including front and rear bars arranged directly above the front and rear bars of the top frame and having their lower edges provided with companion notches for the notches in the top frame and for engaging over parts of the machine guns, means hingedly connecting the swinging frame at one end to one end of the top frame, the opposite end of the top frame being provided with pairs of upstanding apertured ears for receiving a part of the swinging frame therebetween, said parts of the swinging frame received between said ears having openings therein, pins detachably fitted in the openings in the ears and swinging frame, and padlocks for preventing the unauthorized removal of the pins from the ears.

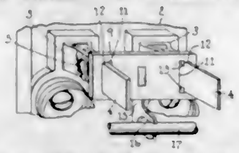
2,097,940

SWITCH

Felix J. Watts, Minerva, Ohio, assignor to American Electric Switch Corporation, Minerva, Ohio

Application August 6, 1936, Serial No. 94,518

10 Claims. (Cl. 200—171)



1. In a switch mechanism, the combination of a plurality of switch blades, a plurality of contacts pivotally supporting said blades, a plurality of pairs of complemental contacts for receiving said blades, means for simultaneously actuating said blades, comprising an actuating lever provided with a crank disposed transversely of said

blades, a cross bar having keyhole slots receiving said blades, the blades having opposed notches in their edges to receive the reduced portions of said slots, the slots permitting limited lateral movement of the blades, the notches in the blades preventing movement of the cross bar longitudinally of the blades, and an upwardly projecting arm on said cross bar slotted to receive the crank of said actuating lever.

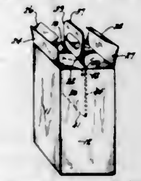
2,097,941

BOTTLE CARRIER CARTON

Raymond Wells, Bridgeboro, and Herbert M. Kieckhefer, Riverton, N. J., assignors, by mesne assignments, to Kieckhefer Container Company, Delair, N. J., a corporation of Delaware

Application January 23, 1936, Serial No. 60,444

6 Claims. (Cl. 229—27)



1. A carrier carton comprising a box-like body formed from an elongated blank having a pair of overlapping side walls secured to one another in assembly, and a partition-forming member foldably connected to the overlapped one of said overlapping walls and projecting at an angle into the carton, the upper portion of said member being in the form of a carrying handle and projecting through the top of the carton.

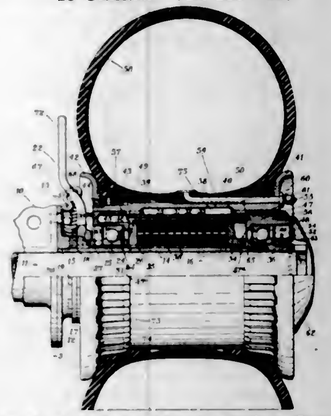
2,097,942

BRAKE MECHANISM

Maurice P. Whitney, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application December 20, 1929, Serial No. 415,570

15 Claims. (Cl. 188—18)



1. In an aeroplane wheel, a hub, a fixed anchor member extending within said hub, cooperating brake members non-rotatably fixed respectively to the hub and anchor member, said anchor member having a grooved portion, a bearing for the hub seated on the grooved portion of said anchor member, controlling means for said brake members extending in said grooves beneath the bearing member and manually operated means for actuating said control means.

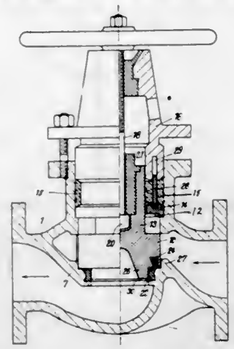
2,097,943

VALVE

Johann Zagorski, Berlin, Germany

Original application November 25, 1931, Serial No. 577,349. Divided and this application July 23, 1936, Serial No. 92,097. In Germany November 25, 1930

2 Claims. (Cl. 251—50)



1. A valve comprising a valve body, a diaphragm in said body, provided with a circular passage, an annular seat on top of said passage, a movable valve member of completely closed cross section for engaging said seat and closing said passage, a reciprocable piston of smaller diameter than the smallest periphery of said seat, forming part of said valve member, a hollow cylindrical valve body portion about said piston arranged concentrically to the diaphragm passage and having a sufficiently large internal diameter to allow the introduction of said valve member into said valve body, and a stuffing box in the annular space between said piston and said cylindrical valve body portion and comprising a reciprocably mounted base ring exposed to the interior of the valve body over essentially the entire annular area included between the adjacent circumferences of said cylindrical valve body portion and said piston and packing in said annular space above said base ring.

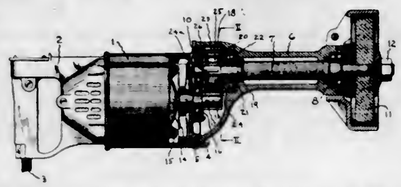
2,097,944

GRINDING MACHINE

Ledgeworth G. Casey, Cincinnati, Ohio, assignor to The Cincinnati Electrical Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application February 1, 1937, Serial No. 123,328

8 Claims. (Cl. 51—170)



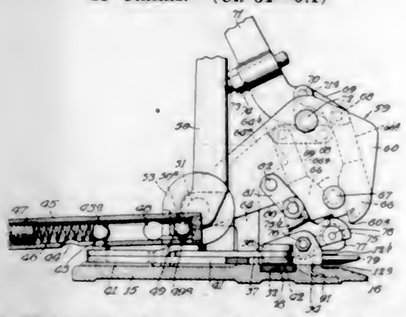
5. In a portable electric hand grinder, a frame, a wheel spindle rotatably mounted in said frame, a grinding wheel mounted on said wheel spindle, an electric motor incorporated in said frame, an over-running clutch mounted on said wheel spindle, and means inter-connecting said motor with said clutch whereby said wheel spindle may be rotated by said motor and said motor may not be rotated by said wheel spindle.

2,097,945

STRAP STRETCHING AND SEALING DEVICE

William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application February 10, 1932, Serial No. 592,050
Renewed February 25, 1937
13 Claims. (Cl. 81—9.1)



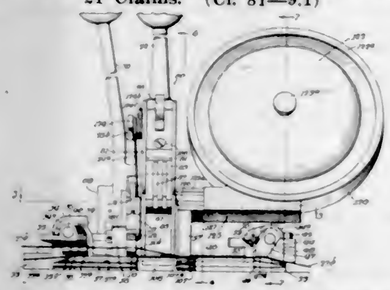
1. The combination in a strap sealing device of means for supporting a strap with its ends overlapped, and means for engaging said overlapped ends and rolling them transversely to form a plurality of pairs of telescoping beads along the edges of the strap, said last named means comprising parts for shearing the overlapped ends of the strap transversely thereof at the ends of said beads.

2,097,946

STRAP SEALING APPARATUS

William C. Childress, Oak Park, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois

Application June 13, 1934, Serial No. 730,471
21 Claims. (Cl. 81—9.1)



1. The combination in strap sealing apparatus, of means for holding a strap with its ends overlapping, a sealing device, means for storing a series of connected seals in the form of a coil, means for feeding the end seal of the coil from said storage means and positioning said seal in a position wherein it engages and is supported by said sealing device, and means for thereafter cutting off said seal from the remainder of the coil.

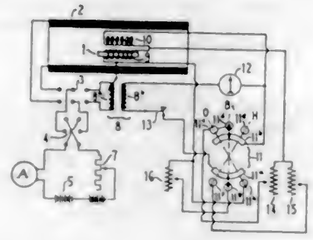
2,097,947

METHOD OF AND APPARATUS FOR MAGNETIC TESTING

Frank P. Fahy, New Rochelle, N. Y.

Application September 2, 1933, Serial No. 687,935
18 Claims. (Cl. 175—183)

8. Apparatus for magnetic testing, comprising means for subjecting a test body to the effects of a changing magnetomotive force, a coil encircling said test body, a second coil positioned away from said test body, said second coil being dissimilar in area-turns to said first coil and having its ends affixed to magnetic pole pieces in contact with



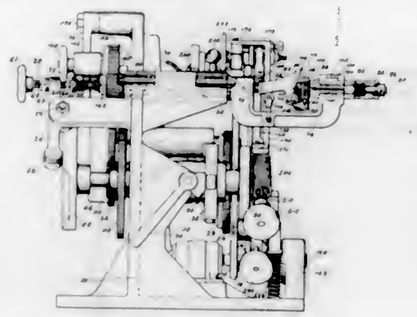
said test body; means including a resistance connected across the terminals of said second coil for measuring the intrinsic flux characteristics of said test body and means for measuring the magnetizing force acting upon said test body.

2,097,948

AUTOMATIC EDGESETTER

Merton W. Howard, Haverhill, Mass., assignor to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts

Application October 18, 1935, Serial No. 45,555
16 Claims. (Cl. 12—72)



1. An edgesetting machine for heel toplifts, comprising an edgesetting iron, means for supporting said iron in a predetermined operating position, means including a rotatable heel jack for supporting a heel in operative relation to said iron, continuously operating means for alternately oscillating and locking said jack through predetermined periods of oscillation and rest, and means for driving said continuously operating means.

2,097,949

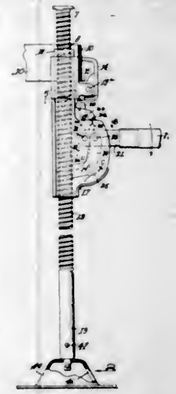
BUMPER JACK

Alvin L. Johnson, Toledo, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio

Application September 1, 1936, Serial No. 98,911
9 Claims. (Cl. 254—111)

1. As an article of manufacture, a jack having a vertical rod provided with teeth, a pawl motion, a housing for the pawl motion, by which pawl

motion the housing can be supported on the rod, a member surrounding the rod and a pivoted



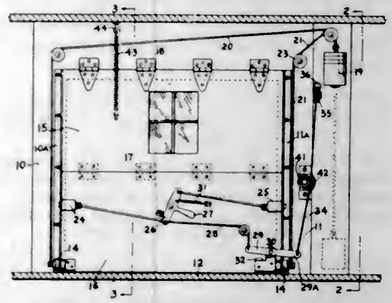
clamp bar associated with said member for clamping the bumper of an automobile.

2,097,950

OVERHEAD DOOR

Orville C. Johnson, Aurora, Ill.

Application December 3, 1936, Serial No. 113,960
4 Claims. (Cl. 268—74)



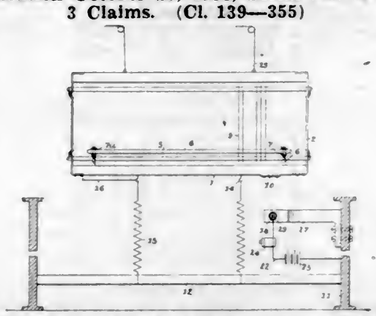
1. In combination with a doorway including complementary jambs and a bridging lintel, an overhead door closing said doorway and comprising linked upper and lower panels having a free marginal upper panel edge hingedly suspended from the lintel to allow of unobstructedly swinging the respective panels away from said jambs into a relatively folded open position, counterbalancing means cooperating with said door, a guide pulley located contiguous to the lintel, a single cable for manually actuating said door in opposed swing directions, said cable having one end attached to the bottom edge region of the lower panel and being run over said guide pulley for manipulation at the other cable end, and a reversing pulley interposed between said guide pulley and the sill level of said doorway, said door when swung into its fully opened position serving to carry the attached cable end therewith to initiate a loop in a medial cable portion about said reversing pulley prior to reaching such open position and which bottom edge of the lower panel is brought contiguous to said free marginal upper panel edge whereby to uphold the folded panels in stabilized non-dropping relationship with respect to the door sill.

2,097,951

WARP STOP MOTION FOR LOOMS

John J. Kearby, Paterson, N. J.

Application October 20, 1936, Serial No. 106,598
3 Claims. (Cl. 139—355)



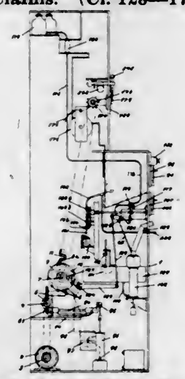
2. In an electric warp stop motion mechanism, the combination, with a vertically reciprocatory heddle carrying structure for electro-conductive heddles, said structure including an elongated substantially horizontal electro-conductive member and vertical threaded posts, of a substantially horizontal electro-conductive strip having a longitudinal heddle seat on which any fallen heddle may rest, said member and strip being adapted to penetrate heddles in said structure normally held elevated by the warp out of contact with said seat and to be bridged by a fallen heddle, and said structure insulating said member and strip from each other and also including nuts screwed on the posts and between which said strip is held clamped.

2,097,952

METHOD OF AND MEANS FOR FACIAL TREATMENTS

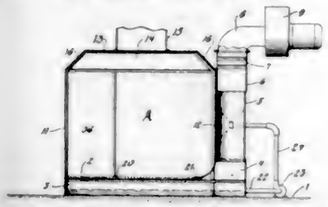
Hans Lohr, Jackson Heights, Long Island, N. Y., assignor to Filor Famous Facial Corp., Long Island City, N. Y.

Application April 14, 1931, Serial No. 530,034
In Germany April 14, 1930
37 Claims. (Cl. 128—172)



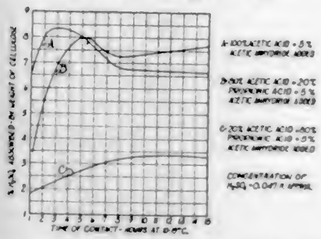
1. The method of applying a facial treatment to a person's head in an enclosure, comprising conditioning the atmosphere surrounding the head in the enclosure, subjecting the skin of the face to physical treatments while it is exposed to the conditioned atmosphere of said enclosure, and altering the condition of the atmosphere surrounding the head in the enclosure during such treatments in predetermined relationship to the treatments.

2,097,953
SPRAY BOOTH
John E. Ludwig, Detroit, Mich., assignor to Newcomb David Company, Inc., Detroit, Mich., a corporation of Michigan
Application March 28, 1935, Serial No. 13,463
4 Claims. (Cl. 91—60)



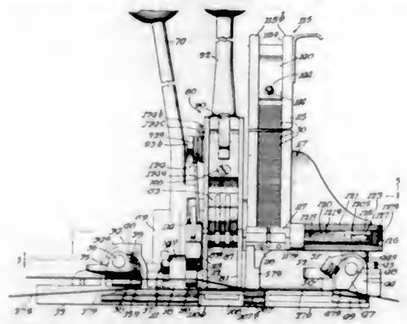
1. A ventilated paint reclaiming spray booth having in combination a spray room having a roof, side walls, and floor, an air inlet for conducting air through said roof, a water reservoir under said floor, venting apertures in said floor spaced from the first one of said side walls for venting the spray room into said water reservoir, additional venting means in said floor adjacent the second one of the side walls, air circulating means, a conduit conductively connecting said air circulating means for drawing air from said water reservoir, and a double nozzle in said conduit for discharging a heavy spray of water across the entire cross-section of the conduit whereby all the air drawn from the water reservoir under the spray room must pass through said water spray.

2,097,954
HIGH VISCOSITY ORGANIC ESTERS OF CELLULOSE AND PROCESS OF PREPARING THEM
Carl J. Malm, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application September 5, 1934, Serial No. 742,732
16 Claims. (Cl. 260—101)



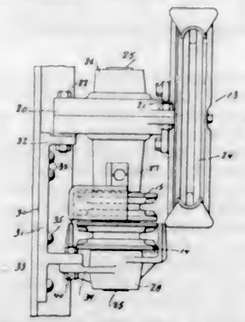
1. A process for treating cellulose to obtain an organic acid ester of cellulose having an acetic acid-tetrachloroethane viscosity of 170–300 seconds and an acyl content predominantly acetyl, which comprises esterifying each unit of cellulose in at least eight units of a bath which is a solvent for the ester produced, the bath including fatty acid groups of 3–4 carbon atoms in the amount of 5%–40% of the bath's total acyl content, sufficient lower fatty acid anhydride to substantially completely acylate the cellulose, and from 4% to about 20% sulphuric acid based on the weight of the cellulose, the esterification being carried out at a temperature which will not cause the ester viscosity to drop below 170 seconds.

2,097,955
STRAP SEALING APPARATUS
Ralph H. Norton, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application May 25, 1934, Serial No. 727,455
13 Claims. (Cl. 81—9.1)



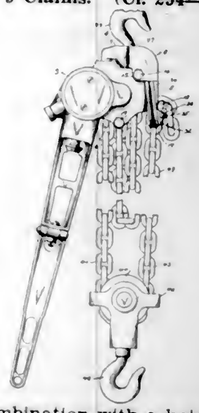
1. The combination in strap sealing apparatus, of means for holding a strap with its ends overlapping, a head movable transversely to said strap ends and having a pair of relatively movable jaws, a seal magazine mounted at the side of said head, a plunger movable transversely to the path of movement of said head for feeding a seal from said magazine to a position between said jaws, stretching means for drawing said strap taut around a package, means actuated by said stretching means for operating said plunger, and means for permitting continued operation of said stretching means after a predetermined movement of said plunger.

2,097,956
HOIST
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application July 6, 1935, Serial No. 30,182
1 Claim. (Cl. 254—167)



The combination with a hoist, comprising a casing having a shaft extending therethrough, an independent bearing for the shaft, separable from the casing, and provided with a flange, of a bracket for supporting the hoist comprising a flat body and two integral, interspaced, attaching flanges projecting at right angles to said body part, means for securing said body part to a supporting surface, means for securing the casing to one of the flange brackets, and means for securing the flange of said independent bearing to the other bracket flange.

2,097,957
SUSPENSION BRACKET FOR HOISTS
Frank E. Stahl, Tonawanda, N. Y.
Application May 26, 1936, Serial No. 81,894
9 Claims. (Cl. 254—169)



1. The combination with a hoist having a casing, and a hook-receiving aperture formed therein, of a separate, suspension bracket formed with a depending, attaching member for engagement with the hook-receiving aperture of the casing, said bracket being provided with a depending arm formed with means for attaching the end of the load-lift chain of the hoist thereto, a hook for the bracket, and means for universally attaching the hook to the bracket.

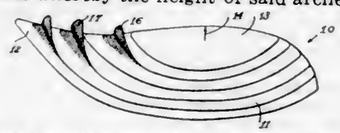
2,097,958
ARCH SUPPORT FOR SHOES
Aron Uger, Hamilton, Ontario, Canada
Application August 20, 1936, Serial No. 96,950
1 Claim. (Cl. 36—71)



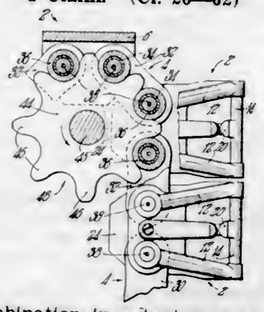
In a shoe, the combination with the insole and an arch support made of relatively stiff leather, of an integral tongue secured to and projecting from the forward end of the arch support and slidably extending through a transverse slot positioned in the insole slightly rearwardly of the metatarsal arch of the foot, and shoulders formed on the arch support adjacent to the tongue and engaging the edge of the slot to limit the forward movement of the tongue within the slot, the major portion of the tongue being positioned underneath the insole and raising that portion of the insole upwardly to constitute a metatarsal pad adjacent to the forward end of the arch support.

2,097,959
ARCH SUPPORT
Hyman L. Whitman, Bridgewater, Mass.
Application June 3, 1937, Serial No. 146,229
7 Claims. (Cl. 36—71)

1. An arch support for shoes comprising a base and a plurality of graduated layers of material disposed thereon, the largest of said layers forming the bottom of said support and being adapted for attachment to said base, the smallest of said layers forming the apex of said support and being adapted to contact the foot, said layers being detachably bonded together by permanently tacky cement to form an arch support for the foot, said layers being of substantially uniform thickness whereby the height of said arched contour may be selectively varied by removal or insertion of individual layers of said material in said support.



2,097,960
CHAIN FOR TENTER MACHINES
John H. Williams, Providence, R. I.
Application July 31, 1935, Serial No. 33,991
1 Claim. (Cl. 26—62)

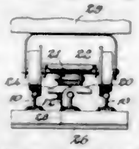


The combination in a tenter apparatus of, a rotatable driving sprocket and a tenter chain adapted to pass therearound and be engaged thereby, the said chain including: a plurality of tenter clips each of which has a body provided with upper and lower horizontally-disposed spaced flanges connected together, a pair of spaced pins extending between the flanges of each clip adjacent opposite ends thereof, spaced connecting plates disposed adjacent the said spaced flanges extending between and connecting the pins at the adjacent ends of adjacent clips, bushings on each of said pins disposed between the said spaced plates, the center to center distance between the pair of pins of each clip being substantially equal to the center to center distance between the said pins at the adjacent ends of adjacent clips, the said sprocket having alternate teeth and sockets and the said teeth being so spaced that as the said chain passes around the sprocket the said teeth enter successively and one at a time the successive spaces between adjacent bushings and the said bushings are received successively and one at a time by the said sockets in the sprocket.

2,097,961
TOY ELECTRIC RAILWAY
Earl D. Boisselier, Glen Ellyn, Ill., assignor to American Flyer Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 7, 1936, Serial No. 89,418
3 Claims. (Cl. 246—81)

1. In a toy railway, a track having a pair of vehicle wheel supporting rails, a third rail between said track rails to carry current, a fourth rail between said track rails and adjacent to said third rail to carry current, a vehicle on said track rails, electrical propelling means for said vehicle electrically connected with said third rail, an electrically operable vehicle signaling device on said vehicle simulating the signaling device of a vehicle of a standard railroad and electrically connected with said fourth rail, an electric circuit including said third rail and said vehicle

propelling means, means in said circuit at a point remote from the vehicle propelling means for opening and closing the same, thereby to control movement of the vehicle along the track, a second electric circuit independent of said first mentioned electric circuit and including said fourth rail and said signaling device, and a switch in said second mentioned circuit at a point remote from the vehicle for opening and closing said



second mentioned circuit at will, thereby to actuate said device without affecting the vehicle propelling means, said second mentioned circuit including a current collector shoe carried by the vehicle for cooperation with the fourth rail, said shoe being mounted for vertical movement relative to the vehicle and being bifurcated to span the third rail and to provide a fourth rail engaging portion at each side of the third rail.

2,097,962

REMOTE CONTROL FOR MACHINE GUNS

Lucien Albert Boussel, Courbevoie, France, assignor to Societe Anonyme des Anciens Etablissements Hotchkiss & Cie., Seine, France, a joint stock company of France

Original application May 10, 1935, Serial No. 20,841. Divided and this application October 12, 1935, Serial No. 44,805. In Great Britain May 1, 1935

11 Claims. (Cl. 89—27)



1. Power means for the remote control of a plurality of machine guns, comprising a single control handle, a repeating relay which includes a distributor of the valve type and motor means of the fluid operated cylinder and piston type having only one inlet end connected to said distributor, a passage from said inlet end to the opposite end of said motor means, valve means operated responsive to the admission of the fluid in said inlet end and adapted when so operated to open said passage in order to allow fluid pressure to pass into said opposite end, reducing means causing fluid pressure in said opposite end to act on the piston with less force than fluid pressure in said inlet end to provide a differential force capable of holding the piston in said opposite end as long as fluid pressure is supplied to said inlet end, an auxiliary fluid container near said inlet end, a passage from said container into said inlet end, a check valve in said passage, means operated by the piston and adapted to depress said check valve when said piston starts from said inlet end and to let it close again when the piston approaches the opposite end, and operative connection between said handle and said distributor and operative connections between said motor means and the triggers of the machine guns to impart to said triggers the control movement of said handle.

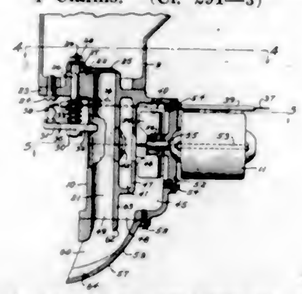
2,097,963

SANDER

Charles P. Cady and Lynn E. Johnson, Canastota, N. Y., assignors to Westlake Manufacturing Corporation, Canastota, N. Y., a corporation of New York

Application February 11, 1936, Serial No. 63,413

4 Claims. (Cl. 291—3)



1. In a device of the class described, a receptacle adapted to contain sand or the like, a sand distributing member depending below said receptacle and having a passage extending through the body thereof for directing the sand from the receptacle to the desired point of discharge, valve means for controlling the flow of sand through said passage, and means for circulating heated air through said distributing member and about said sand passage, said last named means including a drum-shaped chamber having an air intake port substantially axially arranged, and an air passage leading downwardly from said chamber adjacent to the sand passage and having communication with the latter in proximity to the lower end only, an air chamber communicating with the air intake port of said drum-shaped chamber and extending partially about said sand passage and having an air intake port in a lateral wall thereof, an impeller mounted in said drum-shaped chamber, and motor means mounted on said distributing member exteriorly of said drum-shaped chamber and operatively connected with said impeller.

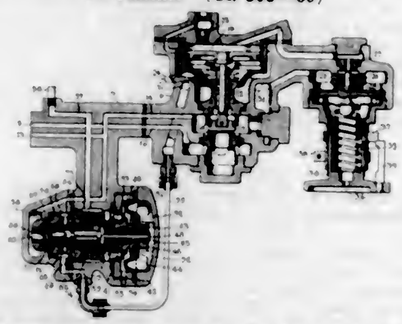
2,097,964

AIR BRAKE

Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application February 25, 1937, Serial No. 127,734

17 Claims. (Cl. 303—59)



3. The combination of a feed valve device including a flow controlling valve, and a pressure responsive device arranged to actuate said valve; and means operable selectively to subject said pressure responsive device to pressure at the discharge side of said valve and at a point remote therefrom.

2,097,965

TAG FASTENER

Luther W. Caulk, Jr., Suffolk, Va.

Application December 29, 1936, Serial No. 118,130

1 Claim. (Cl. 40—22)



A fastener for insertion into the eyelet of a tag comprising a flat shank of resilient material having integral with one end thereof a single pair of relative long and narrow barbs upon opposite sides of said shank, respectively, whereby said barbs are flexible for compression inwardly during the passage thereof through said eyelet, the opposite end of said shank being T-shaped to provide a combined head and finger grip portion.

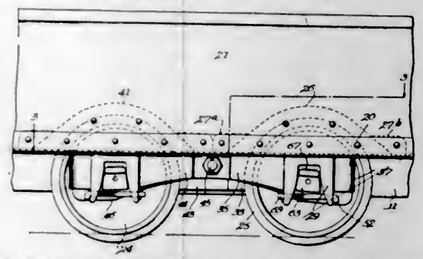
2,097,966

MINE CAR

Glenn E. Edmunds, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio

Application September 17, 1934, Serial No. 744,448

6 Claims. (Cl. 105—364)



1. In a car comprising a pair of wheels in tandem relation at one side of the car, a main sill and an outer side frame between which the wheels are disposed, a bolt extending between said sill and frame between the wheels, a pair of yokes having adjacent ends providing barrel portions less in length than the width of the yokes pivoted on said bolt, said yokes extending in the same vertical planes in opposite directions from the bolt, axles mounted in the yokes at their outer portions, the wheels being mounted on said axles, and yieldable weight transmitting means between the outer portions of the yokes and the car structure, the wheels and mounting means being duplicated at the other side of the car.

2,097,967

MINE CAR AND THE LIKE

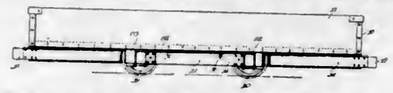
Glenn E. Edmunds, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio

Application April 5, 1935, Serial No. 14,941

Renewed August 30, 1937

5 Claims. (Cl. 105—364)

1. A car comprising an under-structure and wheels on which said under-structure is supported, mounting means for each wheel comprising a yoke extending in the longitudinal direction of the car and in pivotal connection with the under structure on an axis extending transversely of the car, a stub axle carried by each yoke remote from its pivotal axis and upon which a car wheel is mounted, spring means interposed between the under-structure and each yoke remote from the pivotal axis of the same whereby the under-structure is yieldingly supported on the wheels,



brackets secured to the under-structure at the free ends of the yokes and each having a portion overlying the projecting portion of the adjacent yoke, and tension springs respectively connecting said projecting portions and said overlying portions of the brackets, said brackets including transversely extending walls constituting guards for the springs.

2,097,968

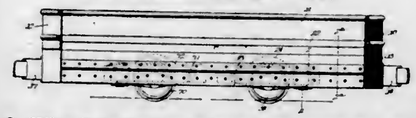
MINE CAR AND THE LIKE

Glenn E. Edmunds, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio

Application April 5, 1935, Serial No. 14,942

Renewed February 27, 1937

29 Claims. (Cl. 105—364)



6. Wheel mounting means comprising a housing having top, end and side walls, a pivot bolt supported by the side walls of the housing adjacent one end of the latter, a yoke pivotally supported at one end on said bolt, yieldable means between the other end of the yoke and the top wall of the housing, the yoke having stub axle receiving recesses between its pivoting axis and said yieldable means.

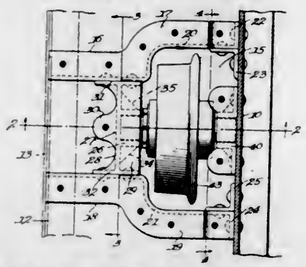
2,097,969

WHEEL MOUNTING

Glenn E. Edmunds and Roy C. Purkhiser, Columbus, Ohio, assignors to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio

Application November 4, 1935, Serial No. 48,232

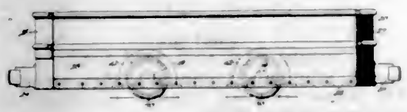
2 Claims. (Cl. 105—364)



1. In a car comprising a main sill and an auxiliary sill spaced outwardly of the main sill, said auxiliary sill having a vertical flange and a horizontal flange, and side flooring extending between said sills and secured to the top portion of the main sill and to the horizontal flange of the auxiliary sill, said flooring having a wheel opening, the

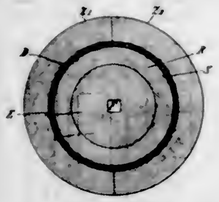
combination of wheel mounting means comprising a pair of transverse stiffener members of which one is at each end of said opening, each of said stiffener members comprising a horizontal flange and a depending vertical flange of which the former laps the flooring and is secured thereto for the support thereof, the outer portions of said members being mutually approached, a bearing between the outer portions of said members and rigidly secured thereto, a second bearing secured to the main sill opposite the first bearing, and a wheeled stub axle journaled in said bearings.

2,097,970
WHEEL MOUNTING
Glenn E. Edmunds, Columbus, Ohio, assignor to The Bonney-Floyd Company, Columbus, Ohio, a corporation of Ohio
Application November 4, 1935, Serial No. 48,233
12 Claims. (Cl. 105—364)



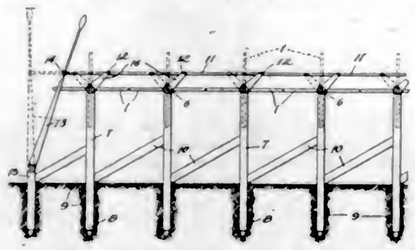
1. In a vehicle comprising an understructure including a pair of longitudinally extending sill members, a frame extending transversely between said members and rigidly secured thereto, a yoke pivotally mounted in said frame on an axis extending longitudinally of the vehicle, a stub axle carried by said yoke in transversely extending relation to the vehicle, a wheel on said axle, said yoke comprising a cross portion on the opposite side of said wheel from said axis, and yieldable means between said cross portion and said understructure.

2,097,971
PROCESS OF PRODUCING AN EMBOSSING ROLLER FOR MANUFACTURING LENTICULAR FILM
John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application March 21, 1935, Serial No. 12,265
In Germany March 27, 1934
2 Claims. (Cl. 76—107)



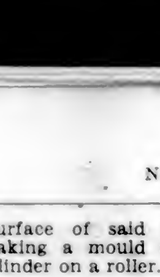
1. A process of producing an embossing roller for manufacturing lenticular film with embossings transverse to the longitudinal direction of the film which comprises providing a ring on its surface with grooves so that its surface corresponds with the intended surface of the lenticular film, providing a hollow cylinder on its inner surface with a coating of a soft metal so that the inner diameter of said cylinder is somewhat smaller than the outer diameter of said ring, drawing said ring through said cylinder, thus moulding the surface of said ring in said cylinder, and making a mould of said inner surface of said cylinder on a roller.

2,097,972
PLANT COVERING
Albert C. Fischer, Chicago, Ill.
Application October 1, 1934, Serial No. 746,339
7 Claims. (Cl. 47—29)



1. A device for protecting plants comprising two parallel rows of supporting columns with columns in the two rows opposite one another, separate frames each pivoted on opposite columns of the two rows, said frames each carrying a transparent panel and being each swingable from a position substantially in alignment with one another where they constitute a closure for the space between the two rows to an open position.

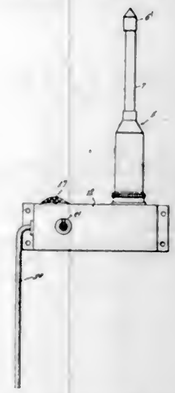
2,097,973
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application January 31, 1935, Serial No. 4,390
6 Claims. (Cl. 67—7)



2. In a lighter having a catalytic body which is heated by the contact of fuel vapors for lighting a cigarette directly, a wick member for holding fuel, and means providing communication between said wick member and said catalytic body, said wick member comprising sterilized cotton from which substantially all grease and oil have been removed.

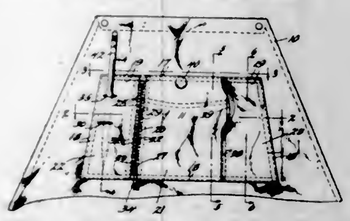
4. In a cigarette lighter, a casing, a holder slidable in said casing, a catalytic member carried by said holder for engagement by a cigarette to ignite the same, said casing having a fuel chamber therein, said holder including a cup in which said catalyst is mounted having an opening in the bottom thereof, a tube having one end secured in said opening and having its other end adjacent the bottom of the casing, whereby when said holder is moved downwardly in the casing the bottom of said tube engages the bottom of the casing to close the tube and shut off the catalyst from the fuel chamber, said tube having a shoulder thereon adjacent its upper end engaging the bottom of said cup whereby said tube is prevented from passing upwardly through said cup.

2,097,974
SOLDERING IMPLEMENT
Harry Goodchild, Chester, Pa.
Application August 27, 1936, Serial No. 98,248
1 Claim. (Cl. 219—26)



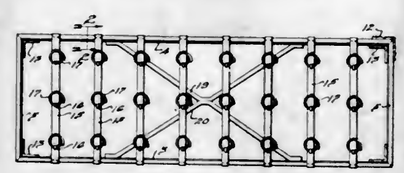
In combination, a soldering tool having at one end a soldering point and at a relatively opposite end a handle, and also having a heating coil connected at one end to said point and at a relatively opposite end to a pair of spaced apart insulated contact prongs extending from the free end of said handle, and a box-like supporting stand for said tool having an electrical outlet plug mounted flush with the top wall of the stand for receiving the contact prongs in a manner to support the tool vertically on the stand, said plug having means for connection with a source of electric current to complete an electric circuit through the heating coil of the tool, and an electrically operable tell-tale signal mounted on the top wall of the said stand and in proximity to the said plug and wired in circuit with said outlet plug, said electrically operable tell-tale signal embodying an electric switch exposed through a side wall of the stand to be operated for controlling the circuit through the signal and the coil of the tool.

2,097,975
GARMENT POCKET
Carl T. Habegger, Berne, Ind., assignor to Berne Manufacturing Company, Berne, Ind., a corporation of Indiana
Application October 7, 1936, Serial No. 104,522
2 Claims. (Cl. 2—247)



1. A combination pocket for garments including an inner layer formed from the garment, an intermediate layer, and an outer sectional layer, means securing the marginal edges of the intermediate layer to the outer layer, stitching securing the opposite sides and lower end of the intermediate layer and the outer layer to the inner layer to provide a main pocket between the garment and the intermediate layer, said stitching securing the upper ends of the outer layer and the intermediate layer to the inner layer and interrupted between the upper ends of the main pocket to provide a mouth for the latter, said outer layer and intermediate layer coacting to form an auxiliary pocket, said outer layer including end sections and a central section, one of the end sections being separated from the central section to provide an opening for the auxiliary pocket, a slidable closure for said opening, the other end section having its inner marginal edge overlapping the adjacent edge of the central section, a lining between the intermediate layer and the outer layer and coacting with the outer layer to provide a side pocket, and stitching securing the overlapped portions of the central section and the end section, said stitching being interrupted between its ends to provide a mouth for the side pocket.

2,097,976
SEAT FRAME CONSTRUCTION
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application May 21, 1937, Serial No. 144,074
2 Claims. (Cl. 155—180)

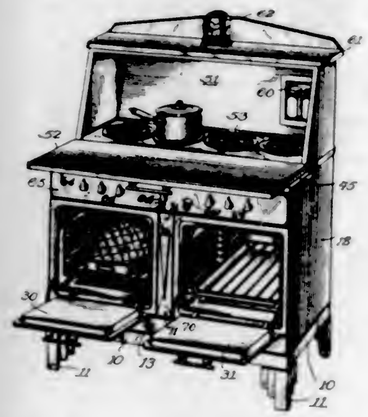


1. In a seat construction, a base frame comprising a plurality of sheet metal members secured together to provide a generally rectangular structure defining the marginal edges of said base frame, each of said members comprising a sheet metal strip folded upon itself in its central portion to provide an attaching flange of double thickness, the lateral portions of said strip being bent to provide a tacking strip receiving channel, brace members disposed interiorly of said frame having their ends anchored to said sheet metal members at opposite sides of said frame to strengthen and brace the same, spring supporting members extending across said frame disposed in a plane substantially parallel to, and above the plane in which said brace members lie, the ends of said spring supporting members lying in overlapping relation with respect to said attaching flange and welded thereto.

2,097,977
RANGE
Orrin Hofferbert, Beaver Dam, Wis., assignor to Malleable Iron Range Company, a corporation of Wisconsin
Application July 19, 1934, Serial No. 736,093
6 Claims. (Cl. 219—37)

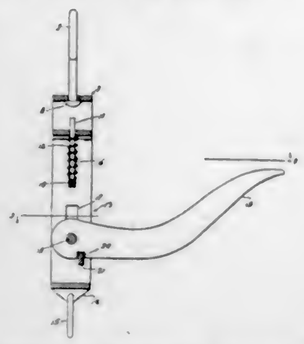
1. A range having vertical enclosing walls and a top, heating units on said top, an enclosure for said units comprising an oven, with the front side

closed by a door hinged at the bottom, whereby said door may be swung to horizontal position on



said top to form a work table and a compartment below said heating units.

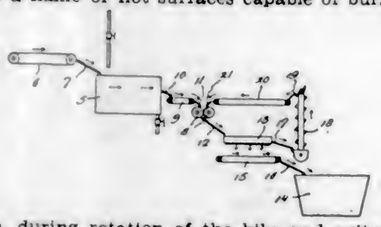
2,097,978
MEAT HOOK
Frank Holladay, Alton, Ill.
Application February 24, 1937, Serial No. 127,535
5 Claims. (Cl. 248—306)



1. In a structural assemblage of the class described, a relatively stationary section, a hook pivotally mounted thereon, a relatively movable section slidably associated with the first-named section and provided with a detent engageable with said hook, and spring means between the sections maintaining said sections in a predetermined order and relationship to hold the hook in a normal meat suspending position.

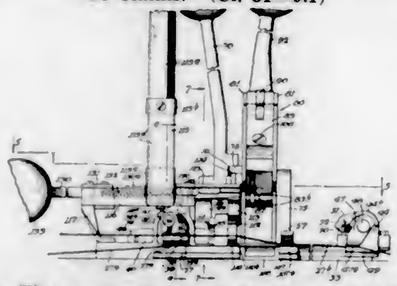
2,097,979
PROCESS OF MAKING LIME
George F. Horton, Houston, Tex.
Application January 13, 1936, Serial No. 58,964
2 Claims. (Cl. 263—53)

1. A process of making lime from pieces and smaller particles of crushed oyster shells consisting of roasting successive batches of the pieces and smaller particles of shells in a rotary kiln by the controlled application of heat at calcining temperatures and so as to exclude said pieces and smaller particles of shells from contact with a flame or hot surfaces capable of burning



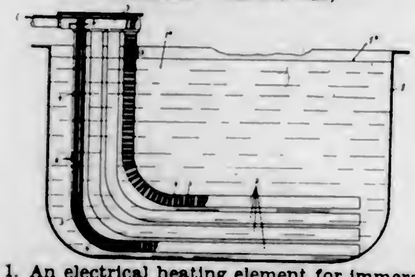
them, during rotation of the kiln and agitation of said pieces and smaller particles.

2,097,980
STRAP SEALING APPARATUS
Squire Julius Johnson, Seattle, Wash., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1933, Serial No. 698,835
14 Claims. (Cl. 81—9.1)



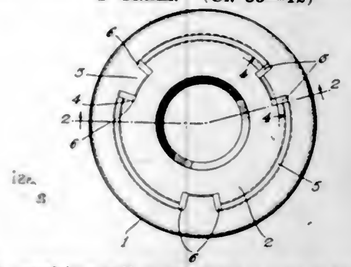
1. The combination in strap sealing apparatus, of means for holding a strap with its ends overlapping, a sealing device, a pivotal support for said device, means for feeding a channel-shaped seal into said device, and means mounted on the device for swinging the same in an arcuate path to bring said seal into engagement with said overlapping strap ends.

2,097,981
IMMERSION HEATER FOR SALT BATHS
Alfred Kärcher, Stuttgart-Cannstatt, Germany, assignor to firm Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
Application September 3, 1935, Serial No. 39,030
In Germany September 3, 1934
15 Claims. (Cl. 219—41)



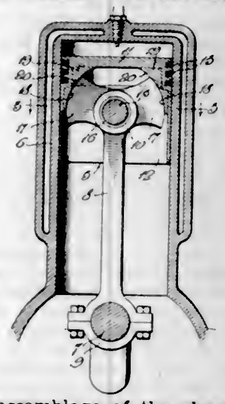
1. An electrical heating element for immersion heating of salt baths comprising a curved pipe having a conductor supported by spaced insulators extending therein, said insulators being substantially flat, and thin in section, and being formed with a plurality of corners which provide substantially point-like bearings for said insulators against the inside walls of said pipe.

2,097,982
ROLL RIM HEAD
Michael J. Kist and Victor A. Kist, Johnstown, Pa.
Application October 14, 1936, Serial No. 105,580
1 Claim. (Cl. 83—12)



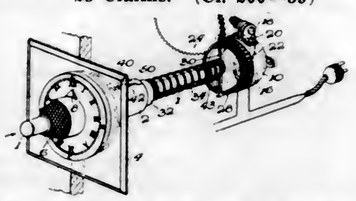
A crushing roll comprising a core of relatively soft metal, a replaceable rim of relatively harder metal, a body of readily fusible metal interposed between the core and rim, lugs having inwardly converging faces formed on the rim, said core having slots therein with outwardly diverging faces, and respective pairs of coacting wedges disposed longitudinally between the opposite inwardly converging faces of each of said lugs and the adjacent faces of the core slots and serving initially to accurately position the core relatively to the rim.

2,097,983
PISTON AND ROD ASSEMBLY
Richard J. Kratky, Boise, Idaho
Application October 12, 1936, Serial No. 105,331
5 Claims. (Cl. 309—19)



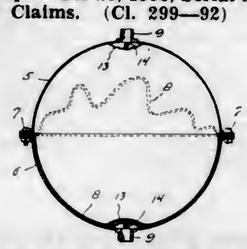
1. In an assemblage of the class described, a piston having a head, a skirt, and pin bosses; a connecting rod having a pin bearing between said pin bosses; a piston pin passing through said pin bearing and said pin bosses; two arms rigidly secured to the piston end of said rod and projecting in opposite directions therefrom at right angles to the pin axis, said arms having arcuate bearing surfaces on their outer ends, said bearing surfaces being concentric with the piston pin and converging toward the piston head; and bearing abutments rigidly secured to the piston and having arcuate bearing surfaces contacting with said arcuate bearing surfaces of said arms.

2,097,984
TIME OPERATED SWITCH MECHANISM
Michael Kurek, Crafton, Pa.
Application August 5, 1936, Serial No. 94,473
28 Claims. (Cl. 200—39)



3. In combination with a rotating member, a longitudinally movable plunger, a clutch between said plunger and the rotating member having two axially disposed members movable to and from each other, one member of said clutch being always in co-operative relation with said rotating member, a switch, said clutch and said switch being operated by the longitudinal movement of said plunger, and means for moving said plunger.

2,097,985
FOUNTAIN SPRAYING DEVICE
Anson Abr... Maryott, Alhambra, Calif.
Application September 28, 1936, Serial No. 102,997
3 Claims. (Cl. 299—92)



3. In a fountain spraying device of the character described, a dispensing tank of elongated form adapted to constitute a reservoir for the liquid to be sprayed, a flexible diaphragm dividing the interior of said tank into two non-communicating chambers, outlet nipples for said tank arranged intermediate the ends of the latter and at opposite sides of said diaphragm, said nipples being of similar form to facilitate connection of either of the same with a source of supply of water under pressure, said diaphragm being of a character to be actuated by said water under pressure when introduced at one side of said diaphragm to substantially completely discharge a liquid to be sprayed from said tank at the opposite side of said diaphragm, said tank being composed of longitudinal half sections secured together, and the margin of said diaphragm being clamped between the sections of said tank so as to form a watertight joint therebetween, and means for preventing closing of said nipples by said diaphragm.

2,097,986
FISH LURE
Christopher E. McEwen, Nashville, Tenn.
Application October 19, 1936, Serial No. 106,433
2 Claims. (Cl. 43—43)

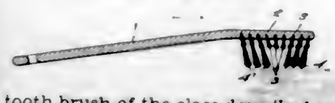
1. A fish lure comprising a body portion, hooks carried by said body portion at desired points, and means within the body portion for propelling the body portion through the water, said means for propelling the body portion comprising a propelling mechanism in one end of the body,

a winding mechanism in the other end of said body and a coiled spring having one end con-



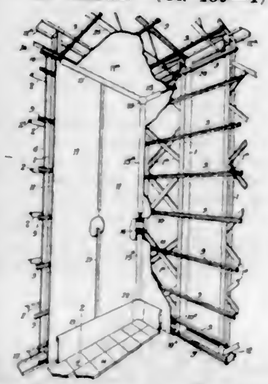
nected to the winding mechanism and its other end connected to said propeller driving mechanism.

2,097,987
TOOTH BRUSH
Charles Edward Phillips, Fresno, Calif., assignor of one-fourth to Thomas Clarke Greene, Fresno, Calif.
Application February 18, 1935, Serial No. 7,088
Renewed August 20, 1937
3 Claims. (Cl. 15—167)



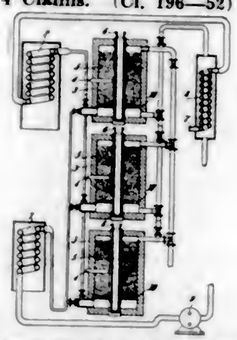
3. A tooth brush of the class described comprising a handle and a head part, said head part having a flat face, longitudinally extending outer rows of bunches of bristles extending from said face, the bunches of bristles at the ends of said rows being relatively long and converging both longitudinally and transversely, and an intermediate longitudinal row of short bunches of bristles extending from said face.

2,097,988
INTERIOR WALL CONSTRUCTION FOR BUILDINGS
David E. Ross and Louis M. Alt, La Fayette, Ind., assignors to Rostone, Incorporated, La Fayette, Ind., a corporation of Indiana
Application January 13, 1934, Serial No. 706,548
17 Claims. (Cl. 189—1)



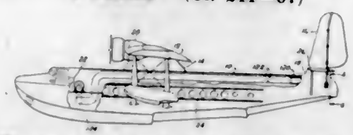
15. In an interior wall construction for buildings; framing; a plurality of prefabricated supporting members attached to the framing; prefabricated wall boards carried by the supporting members; and prefabricated moldings carried by the wall boards and covering the joints between wall boards at the angles of the room.

2,097,989
PROCESS OF CRACKING HYDROCARBONS BY MEANS OF CATALYSTS
Friedrich Schick and Eugen Emilius, Berlin-Mariendorf, Germany, assignors to the Firm Deutsche Erdöl-Aktiengesellschaft, Berlin-Schoneberg, Germany
Application June 8, 1933, Serial No. 674,945
In Germany June 9, 1932
4 Claims. (Cl. 196—52)



4. In the process of cracking heavy hydrocarbons to produce lower boiling hydrocarbons, the steps of conducting the hydrocarbons through catalytic paths of from 0.3 to 6 meters length at temperatures of from 300° to 500° C. and at a velocity of from 50 to 300 liters per square meter of cross-sectional area of reaction chamber per second, said catalytic paths being composed of coke residues of mineral coals which have been activated by means of steam at a temperature up to about 650° C. and have a low ash content.

2,097,990
ADJUSTING MEANS FOR CONTROL SURFACES
Igor I. Sikorsky, Trumbull, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a company of Delaware
Application September 5, 1935, Serial No. 39,245
6 Claims. (Cl. 244—87)

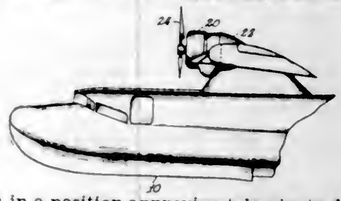


1. In an airplane, a fuselage, a stabilizer adjustably mounted on said fuselage, an extensible strut comprising a screw jack having an axially movable member and a rotatable member disposed between said fuselage and said stabilizer for adjusting said stabilizer, a set of braces extending from opposite sides of said stabilizer into said fuselage, and means operatively connected with the rotatable portion of said screw jack for adjusting the length of said braces to accommodate the braces to the various adjusted positions of the stabilizer.

2,097,991
MECHANIC'S PLATFORM FOR AIRPLANES
Igor I. Sikorsky, Trumbull, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 17, 1936, Serial No. 69,355
6 Claims. (Cl. 244—129)

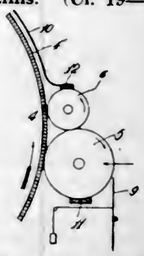
1. In an aircraft having a wing and an engine supported adjacent to said wing, means providing

a platform for the support of a person working on said engine, said means comprising, a movable section of the leading edge of said wing hinged along its lower side to the fixed portion of the wing, means for supporting said movable



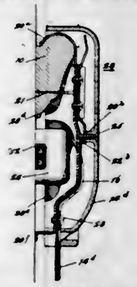
section in a position approximately ninety degrees from its normal position in which it constitutes a continuation of the leading edge surface of said wing, and means forming a tread on the surface of said movable section which is uppermost when in said ninety degree position.

2,097,992
CARDING MACHINE
André Wallaert, Lille, France
Application August 16, 1934, Serial No. 740,181
In France August 17, 1933
2 Claims. (Cl. 19—106)



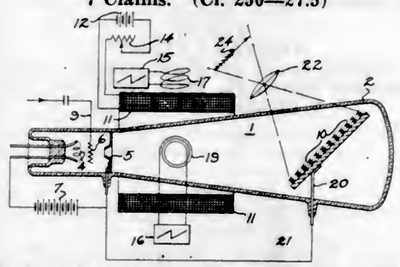
1. In combination with a carding machine, a rotatable doffer having rigid teeth, a pair of contacting rollers of different diameters, the larger roller bearing against the toothed surface of the doffer so as to be frictionally driven thereby and the smaller roller arranged to rest upon the larger roller so as to be frictionally rotated thereby, the simultaneous rotation of the rollers causing the web to be drawn off from the doffer.

2,097,993
ELECTRIC WIRING SUPPORT
Charles W. Abbott, Larchmont, N. Y., and George A. Johnson, Trumbull, Conn., assignors, by mesne assignments, to said Charles W. Abbott
Application December 15, 1934, Serial No. 757,718
14 Claims. (Cl. 247—1)



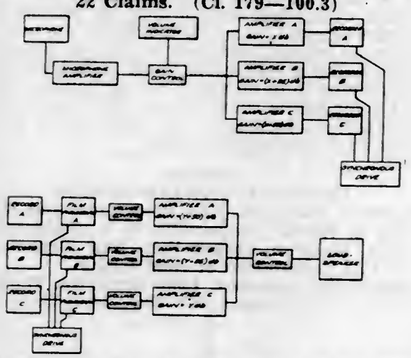
1. In a surface wiring system, a fixedly attached supporting member, a clamp attached to said supporting member adapted to clamp between it and the suporting member the fabric of a fabric-type conductor, and a cover fitting over said clamp and supporting member and fixedly attached thereto, said cover being adapted to cover also a connection between the wires of the fabric conductor and the wires of a surface wiring conduit.

2,097,994
INCANDESCENT SCREEN
Harry S. Bamford, Philadelphia, Pa., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application August 18, 1936, Serial No. 96,587
7 Claims. (Cl. 250—27.5)



1. A cathode ray tube having an incandescible screen therein composed of a plurality of closely mounted helices of very fine tungsten wire having their axes parallel, and normal to the plane of said screen.

2,097,995
RECORDING AND REPRODUCING OF SOUND
Charles M. Burrill, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1936, Serial No. 82,374
22 Claims. (Cl. 179—100.3)

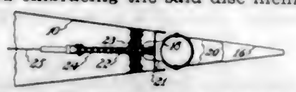


1. The sound record producing method which includes recording the sound on a plurality of tracks at different levels, segregating the high level but not overshot sections of said tracks, and combining said sections to produce said record.

2,097,996
AUXILIARY SURFACE CONTROL
Arthur G. Butler, Eggertsville, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application November 1, 1935, Serial No. 47,775
3 Claims. (Cl. 244—75)

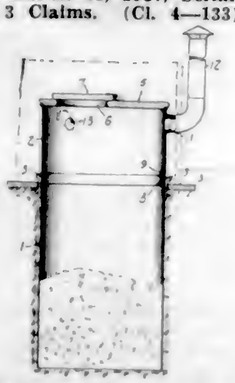
2. In an aircraft control surface having a flap pivotally attached to its rear portion, operating means for said flap comprising a fixed screw shaft transversely mounted within said control surface, a disc member threadedly engaging the said shaft, means associated with the periphery of the disc member adapted to impart rotation and trans-

verse translation of the disc member along said shaft, a bifurcated member attached to said flap member having its bifurcations transversely spaced and embracing the said disc member, the



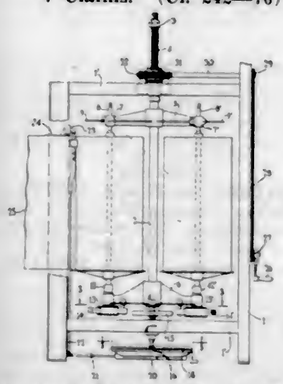
said rotation imparting means passing through the opening between the said bifurcations and serving to maintain the said means in operative relation with said disc.

2,097,997
SANITARY CLOSET
Almond James Crawford, Nyack, Mont.
Application March 11, 1937, Serial No. 130,238
3 Claims. (Cl. 4—133)



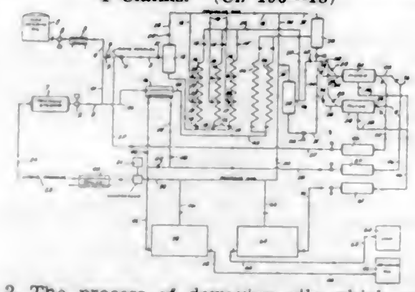
1. A sanitary closet for out-house, comprising a lower cylindrical section open at bottom and top and adapted to set in a hole in the ground and to be moved from hole to hole as necessity requires, and a removable upper cylindrical section adapted to fit on said lower section and having a tight fitting cover with a toilet seat, ventilating screen openings in the sides, and a ventilating stack connected thereto.

2,097,998
VERTICAL UNWIND DEVICE
Charles A. Dickhaut, New Brunswick, and Sterling A. Warner, Somerville, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application March 4, 1936, Serial No. 67,012
7 Claims. (Cl. 242—76)



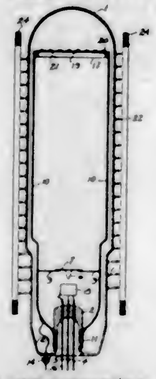
1. In an unwind mechanism, a frame, a shaft journaled in said frame, arms journaled on said shaft, spindles for rolls of material rotatable in said arms, a pneumatic diaphragm to support the end of said shaft, and means for pneumatically moving said diaphragm to change the elevation of said shaft.

2,097,999
PROCESS OF DEWAXING OILS
Eddie M. Dons and Dwight B. Mapes, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application May 3, 1934, Serial No. 723,662
4 Claims. (Cl. 196—18)



2. The process of dewaxing oils which comprises dissolving a wax-containing oil in a liquefied normally gaseous hydrocarbon, suddenly cooling the resultant solution by introducing a stream of chilled normally gaseous hydrocarbon liquid into a stream of said solution, thereafter precipitating wax from the cooled oil while forcing a stream of the resultant material through an elongated passageway to provide a gradual decrease in pressure on the flowing stream and a gradual evaporation of a portion of the normally gaseous hydrocarbon, and separating the precipitated wax from the oil.

2,098,000
LUMINESCENT SCREEN
Philo T. Farnsworth, San Francisco, Calif., and Bernard C. Gardner, Philadelphia, Pa., assignors to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Substitute for application Serial No. 614,501, May 31, 1932. This application May 6, 1936, Serial No. 78,188
12 Claims. (Cl. 250—27.5)



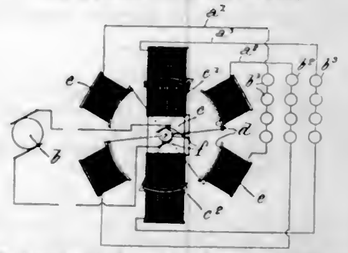
1. In cathode ray apparatus, the combination of an envelope containing a cathode and an anode cooperating to produce a beam of cathode rays, and woven fabric of refractory material having a pile surface positioned to be bombarded by said beam.

2,098,001
RUBBER BAND GUN
Louis Gagnon and Angeline Gagnon, New York, N. Y.
Application November 17, 1936, Serial No. 111,205
10 Claims. (Cl. 124—19)



1. In a toy rubber band gun simulating a firearm the combination of a stock, a barrel, a substantially vertically disposed rod member slidably mounted in said gun, whereby a rubber band may be stretched between said rod and a point on said barrel, and slidable trigger means for quickly releasing said rubber band from said rod, said last named means including means for raising said rod member whereby to cause said rubber band to be released from said rod.

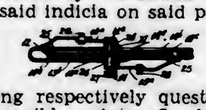
2,098,002
DISPLAY LIGHTING CIRCUITS
Marcel Guérin, Paris, and Paul Breton, Bellevue, France
Application January 12, 1933, Serial No. 651,344
In Belgium January 15, 1932
4 Claims. (Cl. 177—346)



1. A device of the type described, which comprises, in combination, a plurality of electric circuits, electric lamps in said circuits respectively, a plurality of secondary windings connected to said circuits respectively, a source of alternating current, a primary winding connected to the poles of said source adapted to induce current in said secondary windings, rotary means for inductively coupling said primary winding with said secondary windings, successively, whereby the luminous intensities of the respective lamps of said circuits are gradually increased and then decreased, successively, and an auxiliary transformer system having a primary element connected to the poles of said source and at least one secondary part connected with the circuit of one of said secondary windings, for adding a constant electromotive force to the varying electromotive force in said circuit.

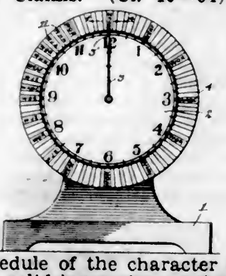
2,098,003
DIAL CARD
Helal Hassenfeld, New York, N. Y.
Application May 4, 1935, Serial No. 19,788
2 Claims. (Cl. 35—74)

1. In a question and answer dial card comprising at least one panel of sheet material, a stud rotatably mounted through and held to said panel, a disc fixed on said stud and substantially covered by said panel, said disc and said panel having indicia in concentric circular columns and radial rows, said panel having a window of substantially equal shape and size to the shape and size of one of said radial rows of indicia on said disc for viewing selectively one radial row of indicia on said disc, said indicia on said panel and said



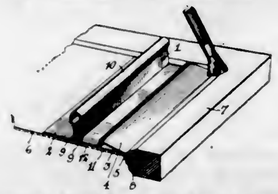
disc comprising respectively questions and answers, an extensible pointer fixed on said stud and thereby rotatable with said disc, the answer to any question pointed out on said panel appearing through said window on said disc in corresponding radial position, said pointer being adjustable in length to the radial extent of the columns of said indicia on said panel, whereby to indicate the radial position of the answer.

2,098,004
PERPETUAL RADIO AND TELEVISION SCHEDULE
Isidor L. Hirschman, Brooklyn, N. Y.
Application July 16, 1936, Serial No. 90,915
4 Claims. (Cl. 40—64)



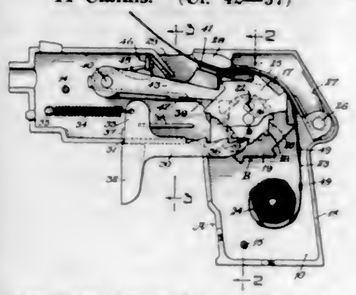
1. In a schedule of the character described, a ring having a solid inner ring section and radial fingers with notches therebetween, a slide plate arranged in each of said notches extending from the front to the rear face thereof so as to be readily grasped between the fingers and the thumb when applying or removing, and means on one face of each of said plates indicating a broadcasting station.

2,098,005
PAINTING SHIELD
Ralph D. Holt, Dumont, N. Y.
Application September 15, 1936, Serial No. 100,893
4 Claims. (Cl. 91—65)



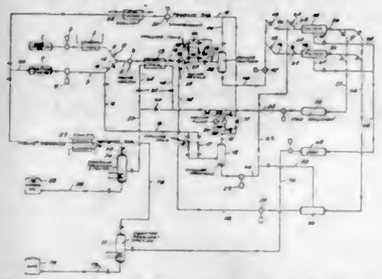
1. A painting shield comprising a pressure bar, a grip or handle at the upper edge of said pressure bar, a laterally extending rest plate located at one side of the pressure bar, and a shield plate located at the opposite side thereof, and both plates being at or near the base of said pressure bar; and means between the effective edge of the shield plate and pressure bar to support the shield plate with its effective edge in the same plane as the rest plate.

2,098,006
CAP PISTOL
Joseph Daugherty Kilgore, Columbus, Ohio, assignor to St. Louis Pistols & Caps, Inc., St. Louis, Mo., a corporation of Missouri
Application May 22, 1937, Serial No. 144,166
11 Claims. (Cl. 42—57)



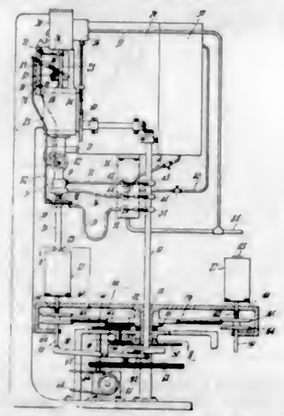
1. A cap pistol adapted to explode caps on a strip of paper, including a casing having an anvil and an opening adjacent thereto for the escape of the cap strip, a rotary assemblage in the casing adapted when turned to move the cap strip a predetermined distance past the anvil, a spring pressed hammer adapted to engage the caps and explode them against the anvil, a toothed wheel constituting a part of the rotary assemblage adapted to retract the hammer, a second toothed wheel constituting a part of the rotary assemblage, and a longitudinally movable trigger having a plurality of teeth thereon engaging the last-mentioned toothed wheel whereby the movement of the rotary assemblage and number of operations of the hammer to explode caps is governed by the distance the trigger is moved.

2,098,007
PROCESS OF DEWAXING OILS
Dwight B. Mapes and Eddie M. Dons, Tulsa, Okla., assignors to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware
Application June 8, 1934, Serial No. 729,648
4 Claims. (Cl. 196—18)



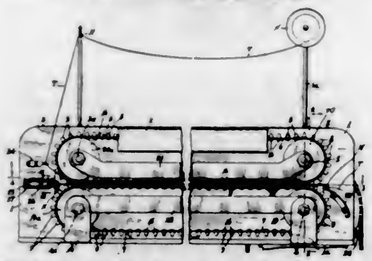
1. The process of dewaxing oils which comprises dissolving a wax-containing oil in a liquefied normally gaseous hydrocarbon, cooling the solution to approximately the temperature at which a cloud of wax appears, suddenly cooling the resultant solution to quickly precipitate wax therein by introducing a stream of chilled normally gaseous hydrocarbon liquid into a stream of said solution, thereafter precipitating additional wax from the cooled oil while forcing a stream of the resultant material through an elongated passageway to provide a gradual decrease in pressure on the flowing stream and a gradual evaporation of a portion of the normally gaseous hydrocarbon, and separating the precipitated wax from the oil.

2,098,008
METHOD OF AND APPARATUS FOR MOLDING ARTICLES OF PAPER PULP
Harvey V. Mitchell, Bridgeport, Conn.
Application January 12, 1935, Serial No. 1,478
16 Claims. (Cl. 92—58)



1. A method of molding articles of paper pulp, which comprises mixing air and pulp stock, passing the mixture through a nozzle into a hollow foraminous mold, and rotating the nozzle on its axis while the mixture is passing therethrough.

2,098,009
SEWING MECHANISM
Max M. Newman and Morris Opper, New York, N. Y.
Application August 14, 1936, Serial No. 95,967
7 Claims. (Cl. 112—174)



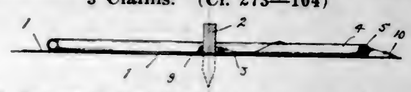
1. Sewing mechanism comprising a pair of endless members, crimpers connected to said endless members and moving in unison with said endless members, the outer ends of said crimpers being separated from each other in the outer runs of said endless members, means for guiding said endless members so that their crimpers intermesh in a portion of the runs of said endless members, said crimpers having recesses which are aligned with each other when said crimpers intermesh, a stationary needle located in said recesses, the walls of the intermeshing portions of said crimpers being sufficiently spaced from each other to permit the pleating of a piece of fabric between said intermeshing crimpers, the inner end walls of said recesses being inclined to the axis of the needle.

2,098,010
PREPARATION OF EMULSIONS
Roy C. Newton, Walter F. Bollens, and Leo C. Brown, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 7, 1934, Serial No. 756,506. In Canada April 28, 1933
14 Claims. (Cl. 99—122)

1. The method of preparing emulsions which consists in first preparing a coarse emulsion by the intermixture of oil and moisture, thereafter supercooling the mixture, agitating during and after the cooling, removing from contact with chilling media before any appreciable crystallization has taken place whereby the heat of crystallization will maintain the material near the congealing point of the oil during crystallization, permitting crystallization to continue until the product has set up as a hard, brittle mass and thereafter tempering to bring about the desired plasticity of the fat in the emulsion.

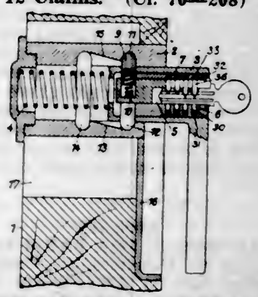
12. The method of preparing emulsions of oil and moisture which comprises cooling the oil to a temperature below its normal congealing point and while the oil is in a supercooled liquid condition, emulsifying moisture with the oil, removing the emulsion from contact with the chilling medium and thereafter permitting the oil in the emulsion to congeal.

2,098,011
GAME
Helmer J. Osvold, Thompson, Minn.
Application December 7, 1936, Serial No. 114,628
3 Claims. (Cl. 273—104)



1. In game apparatus an annulus of rubber tubing, a disc of flexible material for support of said annulus, means for temporarily attaching said annulus to said disc, and an upstanding pin attached axially of said disc.

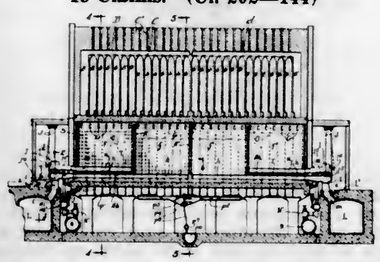
2,098,012
LOCK AND MORE PARTICULARLY DOOR LOCK FOR AUTOMOBILES
Max Papst, Paris, France
Application September 8, 1933, Serial No. 688,608
In Germany December 16, 1932
12 Claims. (Cl. 70—208)



1. In a door lock having a roll-back the combination of a handle having a shank, said handle and shank having an operative and an inoperative position, coupling means coaxial with said shank and adapted to prevent relative rotation of said shank and said roll-back and to permit axial displacement of said shank and said handle into the operative position and out of the same against the door surface, means in connection with the door surface for preventing rotation of said handle in its inoperative position, a spring actuated latch bolt having two locking positions with respect to said shank and adapted to automatically lock said handle in its two end positions, a cylinder lock within the shank, and eccentric means adapted to retract the latch bolt from one of its locking positions and to tension the latch bolt spring for engagement of the latch bolt in the second locking position on a turn of the lock in one direction, and to retract the latch bolt from its second locking position and to tension the latch bolt spring for engagement of the latch bolt in its first locking position on a turn of the lock in the reverse direction.

12. In a door lock having a roll-back the combination of a handle having a shank, said handle and shank having an extended or operative and a retracted or inoperative position, coupling means coaxial with said shank and adapted to prevent relative rotation of said shank and said roll-back and to permit axial displacement of said shank and said handle into the operative position and out of the same to inoperative position against the door surface, means in connection with the door surface for preventing rotation of said handle in its inoperative position, a spring adapted to move the handle automatically into the operative position, a resiliently operated latch member having two latching positions with respect to said shank and adapted to automatically lock said handle in its two end positions, and means within the shank operable to remove said latch member from one of its locking positions by a movement in one direction and from the other locking position by a reverse movement.

2,098,013
COMBINATION REGENERATIVE COKE OVEN
William Hesser Pavitt, Bronxville, N. Y., assignor to Adele Johnson Wilputte, New Rochelle, N. Y.
Application August 8, 1933, Serial No. 684,131
15 Claims. (Cl. 202—144)



1. A coke oven structure, comprising in combination a series of alternate coking chambers and heating walls therefor arranged side by side in a row, each heating wall being formed with two end to end upper horizontal channels extending along respective halves of the wall and with an interior group and an exterior group of vertical flues beneath each horizontal channel and connected at their upper ends to the latter, spaced apart pillar walls one beneath and parallel to each heating wall, regenerators in the space between each two adjacent pillar walls arranged in two side by side rows extending longitudinally of said pillar walls and each of said rows of regenerators including two interior and two exterior regenerators connected, respectively, to the lower ends of the flues of the two interior and two exterior groups of flues of the heating

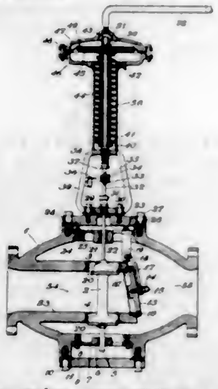
wall above the pillar wall adjacent the row of regenerators, whereby the said flues in each half of a heating wall and one interior and one exterior regenerator at each side of the subjacent pillar wall constitute the regenerators and flues of a heating unit individual to said half of the heating wall, separate sole channels for the regenerator chambers of each heating unit extending into the structure from the adjacent side of the latter, the sole channels for the two regenerator chambers between two adjacent pillar walls and immediately adjacent the same side of the structure being arranged side by side and directly above the two sole channels for the regenerator chambers in end to end relation respectively with said two regenerator chambers, connections external to said structure for supplying air and fuel gas to, and withdrawing products of combustion from the regenerator chambers through said sole channels for the use of the regenerator chambers between alternate pairs of adjacent pillar walls in optionally preheating lean fuel gas and air or for preheating air only in the remaining regenerator chambers, and means for supplying rich fuel gas to the different vertical flues.

2,098,014

PIPE LINE SYSTEM AND VALVE THEREFOR

John Ray Polston, Tulsa, Okla., assignor to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine

Application July 11, 1936, Serial No. 90,159
6 Claims. (Cl. 137—78)



1. A unitary valve comprising a valve body divided into two chambers, a valve member controlling an opening between said two chambers, a valve stem attached to said valve member, a spring acting on said valve stem, a diaphragm acting on said valve stem, means for exerting pressure on said diaphragm in opposition to the force of said spring, the position of said valve member being controlled by the relative magnitude of the opposing forces, and a check valve member controlling a second opening between said two chambers of said valve body.

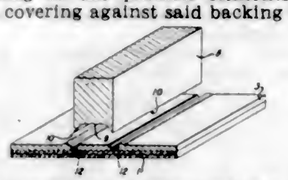
2,098,015

METHOD OF MAKING INLAID LINOLEUM

William Rowe, Oakland, and Abraham Beck Miller, Berkeley, Calif., assignors to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware

Application May 22, 1935, Serial No. 22,734
5 Claims. (Cl. 154—26)

1. The method of making covering materials of the linoleum class which includes the steps of overlaying loosely a sheet of uncured straight line linoleum material upon a backing, pressing limited sharply defined portions of said sheet corresponding to the pattern elements of the completed covering against said backing to cause



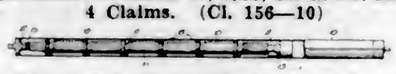
adherence thereto by said portions and to cause shearing of the linoleum material at the boundaries of said adherent portions, and stripping the remaining non-adherent portions of said sheet from said backing.

2,098,016

CURTAIN CONSTRUCTION

Frank A. Schuetz, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois

Application November 12, 1936, Serial No. 110,451
4 Claims. (Cl. 156—10)



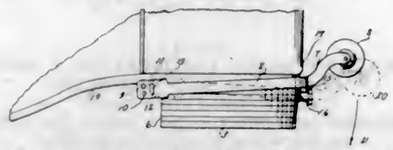
2. The combination with a rod, and a tube surrounding the rod in spaced relation thereto, of a coil spring on the rod within the tube, and a number of felt inserts in the form of split helical rings positioned at intervals between adjoining coils of the spring in both inwardly and outwardly projecting relation to the coils for preventing the spring from bearing against either the rod or the tube.

2,098,017

SNAP-ON SPUR RETAINER

William Julius Seyfarth, Phoenix, Ariz.

Application July 12, 1937, Serial No. 153,141
4 Claims. (Cl. 36—1)



1. A snap-on spur for riding boots comprising a solid spur body having a spur attached to its rounded rear portion and having forwardly extending tines adapted to receive a tension spring there-between, a tension spring attached to said tines and extending laterally there-between in combination with a retaining peg extending outwardly from the rear rounded portion of the boot heel and lugs extending outwardly from the forward flat vertical face of said boot heel.

2,098,018

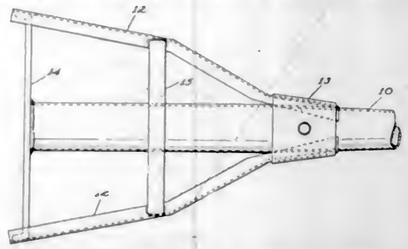
STEEL TONGUE FOR FARM TRUCKS

Daniel W. Voorhees, Jr., Peru, Ill.

Application July 24, 1936, Serial No. 92,289
2 Claims. (Cl. 278—43)

1. A steel tongue for a farm truck in combination, a seamed tubular sheet metal body, vertically aligned openings in the forward portion of said body, a whiffle plate having an opening in registry with said openings in the body, a horizontal brace welded to the rear end of said tongue

body and extending laterally thereof, channel iron braces welded to said tongue body and whiffle plate and extending rearwardly and laterally for



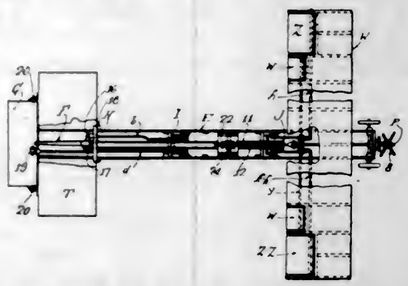
welded attachment to the respective outer ends of the first mentioned brace, steel tubes cooperating with the openings in said body and whiffle plate and welded thereto.

2,098,019

MECHANICAL AUTOMATIC PILOT

Louis Weimerskirch, Pittsburgh, Pa.

Application October 24, 1935, Serial No. 46,552
5 Claims. (Cl. 46—78)



1. In a flying machine comprising ailerons, elevators and a single rudder, individual longitudinally slidable cams mounted within the body of the fuselage of said machine and adapted to control the movements thereof to cause said machine to perform pre-determined evolutions, and unitary means to slide said cams and propel said flying machine.

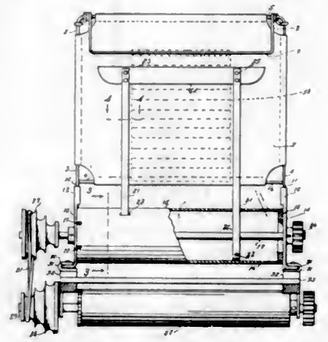
2,098,020

COPY HOLDER FOR USE IN CONNECTION WITH TYPEWRITING MACHINES

James S. Wheeler, Phoenix, Ariz.

Application May 19, 1936, Serial No. 80,524
5 Claims. (Cl. 120—34)

1. A copy holder for use in connection with a typewriting machine including in combination a base comprising a horizontally positioned cylinder having end plates, means for removably attaching said end plates to the platen carriage of the typewriter, drums carried on an axially positioned shaft within said cylinder adapted to carry flexible steel ribbons having a normally arcuate section to provide longitudinal stiffness, said cylinder being provided with slots whereby said ribbons protrude vertically therefrom, a horizontal marker bar affixed at the ends of said protruding ribbons, means, including a framework provided with a diaphragm-like back and a horizontal cross bar yieldably attached thereto, to hold work to be copied, and means for communicating rotary motion at a pre-determined relative rate between the platen shaft and the shaft carrying said drums whereby said ribbons may



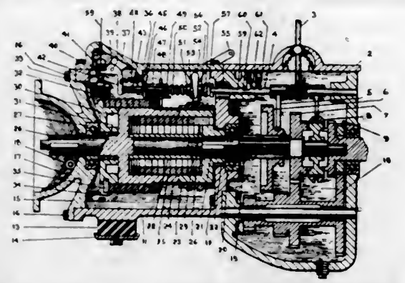
be wound upon said drums by the operation of the platen on said typewriting machine.

2,098,021

CONTROL SYSTEM FOR TRANSMISSIONS

Phillip R. Wheeler, Alexandria, Va.

Application June 30, 1932, Serial No. 620,268
21 Claims. (Cl. 192—4)



1. In a no-back device for controlling the movement of a shaft, a coil-like member having several turns about the shaft, the said member being designed to tighten on the shaft when it is rotated in one direction and to loosen when the shaft is rotated in the other direction, means for holding one end of the coil-like member, means for releasing the said end, and means engaging the other end of the said coil member after the first said end is released.

2,098,022

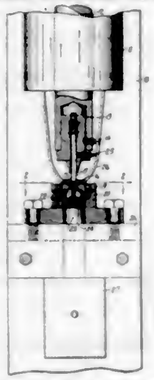
NIBBLING MACHINE

Harry W. Williams, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application September 12, 1935, Serial No. 40,215
3 Claims. (Cl. 164—50)

1. In a nibbling machine of the character described, the combination of a reciprocating punch having a cutting edge on all sides thereof to which work may be presented from any direction; a work feed limiting pilot integral with the punch and adjacent the cutting edge thereof; a die having an opening to receive the punch; a holder for the die, said holder having an opening registering with the opening in the die; and a web within the opening in the holder, said web having a guiding surface cooperating with the work feed lim-

iting pilot to maintain the cutting edge of the punch in alinement with the opening in the die



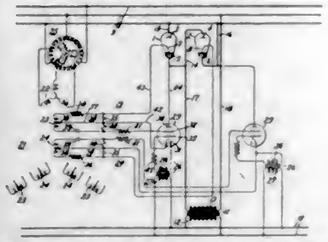
regardless of the direction from which the work is presented to the punch.

2,098,023

ELECTRIC VALVE TRANSLATING CIRCUITS

Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 29, 1936, Serial No. 66,433
9 Claims. (Cl. 250—27)



1. In combination, a supply circuit, a load circuit, electric valve means interconnecting said circuits, and a circuit comprising electronic discharge means of the gaseous type for controlling the conductivity of said electric valve means conjointly in accordance with predetermined electrical conditions of said supply circuit and said load circuit, said electronic discharge means comprising two control members each energized in accordance with a different one of said electrical conditions.

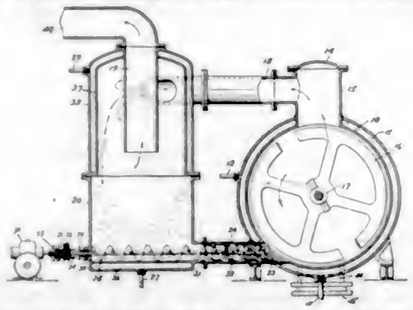
2,098,024

VACUUM DRIER WITH CENTRIFUGAL DUST SEPARATOR

Lawrence H. Bailey, Philadelphia, Pa., assignor to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 8, 1935, Serial No. 15,164
Renewed September 28, 1937
7 Claims. (Cl. 34—7)

6. Apparatus for drying powdered material comprising, a vacuum drier for containing the material to be dried, a vacuum-producing means for removing fluid from the material in said drier and for incidentally removing material which is entrained by said fluid, means for separating said entrained material from said fluid interposed between said drier and said vacuum-producing means, a conduit from said last-mentioned means to said drier, and a conveyor in said conduit for receiving material from said last-mentioned means and for returning said material to said drier and for compressing said material against



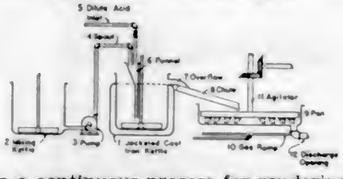
said conduit at the point of return of said material to said drier to prevent the escape of fluid at this point.

2,098,025

PROCESS OF RECOVERING SOLUBLE TITANIUM COMPOUNDS FROM TITANIFEROUS ORES

James E. Booge, Wilmington, Ignace J. Krchma, Elmhurst, and Robert M. McKinney, Roselle, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

Application November 23, 1935, Serial No. 51,254
6 Claims. (Cl. 75—115)



1. In a continuous process for rendering water soluble the titanium values of a titaniferous ore, the steps of mixing said ore in comminuted condition with sulfuric acid, feeding said ore and acid into a reaction zone in which the reaction between said ore and said acid is initiated, removing the initiated reaction mass from said zone before the reaction is completed, and feeding it into a second zone in which the mass is subjected to attrition and continuously moved forward toward the discharge end of said second zone and maintaining said mass in said second zone at elevated temperature, so that the mass is discharged therefrom in solid comminuted form.

2,098,026

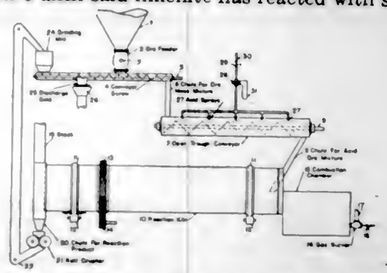
METHOD OF ATTACKING WATER INSOLUBLE TITANIFEROUS MATERIAL

James E. Booge, Wilmington, Ignace J. Krchma, Elmhurst, and Robert M. McKinney, Roselle, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

Application November 23, 1935, Serial No. 51,255
8 Claims. (Cl. 75—115)

1. The process of recovering soluble sulfates of iron and titanium from ilmenite ore, which comprises the steps of mixing ilmenite with solid iron and titanium sulfates obtained in a previous operation of attacking ilmenite ore with sulfuric acid, adding to said mixture an amount of sulfuric acid adapted to react with said ilmenite ore, adjusting the amounts of the ingredients of said mixture so as to obtain a solid, granular product before said ilmenite has reacted with said acid,

feeding said granular material into a reaction zone in which it is heated to about 180° C., maintaining said mass under agitation at elevated temperature until said ilmenite has reacted with said



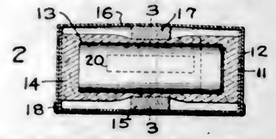
acid, separating from the solid reacted mass a substantial part thereof and mixing it with a fresh portion of ilmenite and sulfuric acid and submitting this mixture to a subsequent heating step.

2,098,027

EXTERMINATING DEVICE FOR BUGS AND INSECTS

Guy S. Boyd and Stephen H. Boyd, York, Pa.

Application January 27, 1937, Serial No. 122,524
3 Claims. (Cl. 43—131)



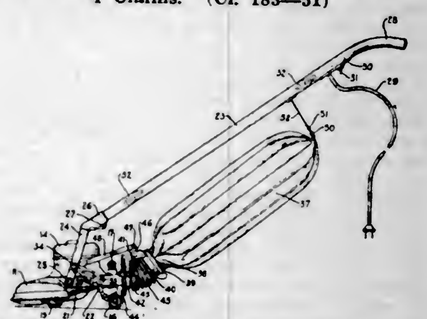
1. An exterminating device of the type described comprising a box, a vial of poison supported in spaced relation to the walls of said box, an absorbent material enclosing said vial and adapted to absorb poison from the vial when said vial is broken, means bearing against said vial and adapted to crush the same when the exterior of the box is struck by an implement, openings formed in said box to permit pests and the like to enter the same, and means detachably secured to the exterior of the box for closing said openings to prevent access to be had to the interior of the box until after the vial is broken.

2,098,028

SUCTION CLEANER

Chandos Burkhardt, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application March 26, 1936, Serial No. 70,953
4 Claims. (Cl. 183—51)



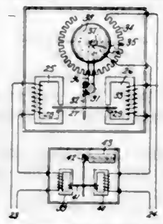
4. In a suction cleaner, the combination of a body provided with a discharge outlet and a handle pivotally mounted thereon remote from said outlet, a dirt bag adapted to communicate with the said discharge outlet, a support for the mouth of said bag having pivotal connection with said body at said discharge outlet, and a link pivotally connected at one end to said bag mouth supporting member at a point radially offset from its pivotal point and at its other end with said handle adjacent its pivotal mounting on said cleaner body whereby the mouth of said bag will move substantially with said handle.

2,098,029

ELECTRICAL INSTRUMENT

Herbert Dallmann, Karlshorst, Germany, assignor to General Electric Company, a corporation of New York

Application January 23, 1934, Serial No. 708,010
In Germany February 22, 1933
1 Claim. (Cl. 171—95)



Apparatus responsive to the ratio between two currents comprising a rotatable element composed of current conducting material, a device actuated by one of said currents for producing a resultant shifting magnetic field acting upon said element, a second device actuated by the other of said currents and acting in opposition to said first mentioned device for producing a second resultant shifting magnetic field also acting upon said element, a rheostat connected in parallel to said second mentioned device to divert an adjustable portion of current therefrom, and having a resistance adjusting member mechanically connected to said rotatable element, the connection being such that rotation of said rotatable element varies the resistance of said rheostat in a direction required to divert a sufficient portion of current from said second field producing device to balance the effects of said field producing devices on said rotatable element, whereby the position assumed by said element provides an indication of the ratio between said currents.

2,098,030

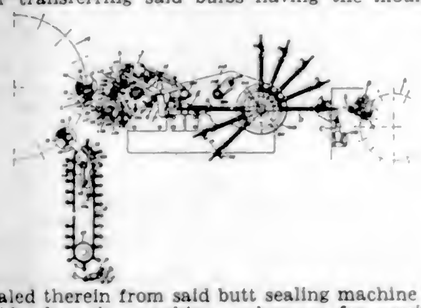
MACHINE FOR MANUFACTURING INCANDESCENT LAMPS

John F. Donovan and George Illingworth, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application June 30, 1934, Serial No. 733,157
16 Claims. (Cl. 176—3)

1. A unitary and completely automatic machine for making incandescent lamps comprising a mount making machine for manufacturing mounts comprising two lead wires having juxtaposed portions which are held together and support a filament at their inner ends, the outer ends of said lead wires extending transversely to the said juxtaposed portions, transfer mechanism adjacent said mount making machine for transferring a mount directly from said mount making machine and disposing it in a glass bulb which is disposed in a neck-up position, a machine for butt-sealing a glass exhaust tube to the neck of

said bulb and enclosing portions of the lead wires in the joint, a machine for exhausting said bulb and tipping off said exhaust tube, mechanism for transferring said bulbs having the mounts



sealed therein from said butt sealing machine to said exhausting machine, and means for causing said mechanisms to operate in proper time relation.

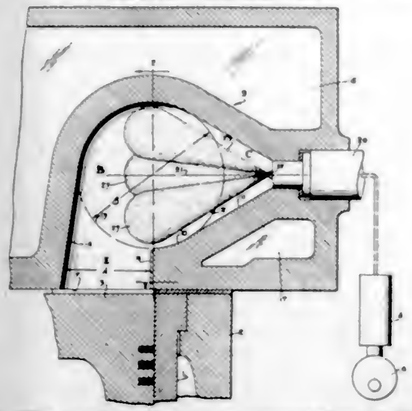
2,098,031

INTERNAL COMBUSTION ENGINE

Max Essl, Drexel Hill, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application June 11, 1935, Serial No. 25,997

7 Claims. (Cl. 123—32)



1. The combination in a compression-ignition internal combustion engine comprising, an engine cylinder, means forming a substantially pear-shaped water cooled combustion chamber having a large end and a relatively short conical portion whose wall merges substantially tangentially with the wall of said large end of the chamber, means for injecting from the small end of said chamber a multiplicity of fuel sprays terminating freely within the outer radial portions of the large end of the chamber in substantially symmetrical relation to the chamber axis, and a passage for admitting air from the engine cylinder to said chamber substantially tangential to the large end thereof, thereby to impart maximum whirling air turbulence within the chamber adjacent the points where the free ends of said fuel sprays terminate.

2,098,032

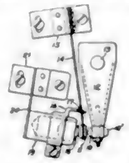
CONTACT MECHANISM

John A. Favre, Rutledge, Pa., assignor to General Electric Company, a corporation of New York

Application March 23, 1937, Serial No. 132,513

16 Claims. (Cl. 200—153)

6. A contact mechanism including relatively movable co-operating contacts, means for actuating one of said contacts to engage the other contact, means for preventing rebound of said contacts on engagement thereof including a rollable member in the path of movement of said contacts



for substantially instantaneously taking over the kinetic energy of the contacts on engagement thereof, and means for retarding the rolling action of said member whereby to dissipate the energy transferred thereto.

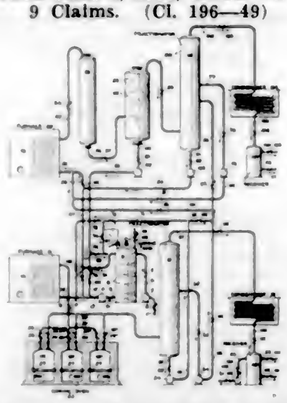
2,098,033

CONVERSION AND COKING OF HYDROCARBONS

Alfred Fisher, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 2, 1933, Serial No. 674,001

9 Claims. (Cl. 196—49)



1. A process for the pyrolytic conversion and coking of a charging stock mixture of finely divided carbonaceous material in hydrocarbon oil which comprises subjecting the mixture to elevated temperature under non-coking conditions, introducing the heated products into a coking zone wherein the residue is coked in a relatively thin layer upon a highly heated surface, subjecting the vaporous products from the coking zone to fractionation whereby their fractions boiling above the range of the desired final light distillate product are condensed as intermediate liquid products, subjecting the fractionated vapors to condensation, returning high boiling components of said intermediate liquid products of the coking operation for further treatment with the charging stock mixture, simultaneously subjecting selected lower boiling components of said intermediate liquid products of the coking operation to conversion under independently controlled conditions, separating the resulting vaporous and residual liquid conversion products, returning the residual liquid for further treatment with the charging stock mixture, subjecting the vaporous conversion products to fractionation whereby their insufficiently converted components are condensed as reflux condensate, subjecting fractionated vapors of the desired end-boiling point to condensation, and returning the reflux condensate for further treatment in the same system.

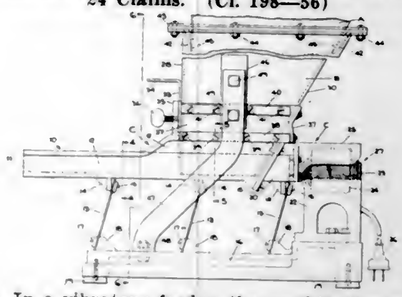
2,098,034

VIBRATORY FEEDER

James A. Flint and Arthur D. Holt, Columbus, Ohio, assignors to The Traylor Vibrator Company, a corporation of Colorado

Application April 19, 1935, Serial No. 17,244

24 Claims. (Cl. 198—56)



1. In a vibratory feeder, the combination with a vibratory conveyor deck, of a base, spring means attaching said deck and base whereby said deck will have a conveying action when vibrated, a vibratory motor having a portion attached to said base and another portion attached to said deck, a hopper adapted to feed material to said deck, and means connecting said hopper and said base whereby vibrations in said base will be imparted to said hopper.

2,098,035

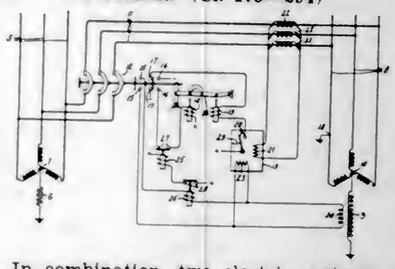
PROTECTION OF ELECTRIC SYSTEMS

Komao Fukushima, Tokyo, Japan, assignor to General Electric Company, a corporation of New York

Application October 20, 1936, Serial No. 106,704

In Japan December 7, 1935

7 Claims. (Cl. 175—294)



1. In combination, two electric systems each having a grounded neutral, a tie line interconnecting said systems for exchange of power, means responsive to a ground fault on one of said systems accompanied by ground fault current flow from the other system through said tie line to said one system for rendering said tie line nonconductive, and means effective after the disappearance of the ground fault for re-establishing the conductivity of said tie line.

2,098,036

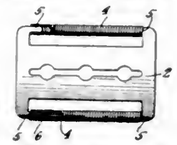
SAFETY RAZOR

Thomas Gore, Brooklyn, N. Y.

Application May 23, 1936, Serial No. 81,397

1 Claim. (Cl. 30—83)

In a safety razor having a razor blade and holding means therefor, a non-rotatable combined guard and skin-stretching member having an engagement surface located, as regards the direction of the cutting stroke, in advance of the cutting edge of the blade and in spaced relation thereto, said surface consisting of a helical mem-



ber the convolutions of which extend obliquely with respect to the cutting edge and are in contact with each other.

2,098,037

RUBBER TIRE

Eardley Hazell, New York, and Stewart R. Ogilby, West New Brighton, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 6, 1935, Serial No. 5,248

9 Claims. (Cl. 154—40)

9. In the process of making a tire casing with cords comprising artificial silk, the steps of applying a coating from an aqueous dispersion of rubber containing casein and carbon black next to the cords, drying, applying a layer of vulcanizable rubber over said first coating, and thereafter vulcanizing whereby, the rubber layer will be securely bonded to the cords by the first coating.

2,098,038

RUBBER TIRE

Eardley Hazell, New York, and Stewart R. Ogilby, West New Brighton, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application March 12, 1935, Serial No. 10,676

19 Claims. (Cl. 154—40)

12. A pneumatic tire casing having plies of fabric containing cords comprising artificial silk and vulcanized rubber intermediate the fabric plies, and the solids deposit of a composition comprising rubber latex and aqueous casein dispersed whole tire carbon black-containing reclaimed rubber particles in the proportion of one part latex solids to two parts reclaim solids and containing about 10% casein based on the total solids, bonding the said vulcanized rubber to the said fabric plies.

2,098,039

PREPARATION OF SECONDARY AROMATIC AMINES

Alfred G. Hill, Bound Brook, N. J., and Arthur J. Hill, New Haven, Conn., assignors to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware

No Drawing. Application December 6, 1935, Serial No. 53,208

20 Claims. (Cl. 260—128)

1. A method of producing secondary amines included in the group consisting of aromatic amines and heterocyclic amines containing a secondary amino group outside of the heterocyclic ring which comprises vaporizing the corresponding primary amine in the absence of the corresponding phenol and passing the vapors over a catalyst containing a major proportion of an oxide of a metal included in the group consisting of aluminum and titanium, at a temperature above 400° C.

8. A method of producing secondary aromatic amines which comprises vaporizing the corresponding primary amine in the absence of the

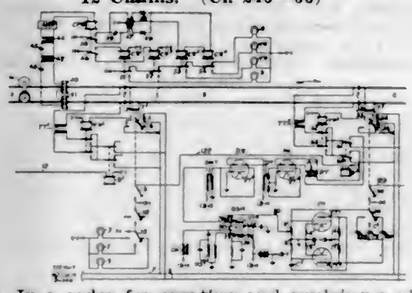
corresponding phenol, passing the vapors at reaction temperature over a catalyst containing a major portion of aluminum oxide until the catalyst efficiency diminishes below the point of economic production, regenerating the catalyst by passing hot air thereover at a temperature sufficiently high to burn out organic impurities and reusing the reactivated catalyst.

2,098,040

CONTINUOUS INDUCTIVE CODED TYPE TRAIN CONTROL SYSTEM

Walter H. Hoppe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application June 29, 1935, Serial No. 29,116
12 Claims. (Cl. 246—63)



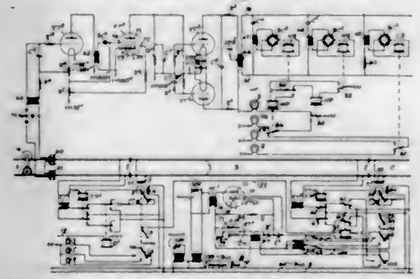
1. In a coder for creating and applying a plurality of selected codes to a railway track circuit, a vacuum tube oscillator-mixer, means controlled by said oscillator-mixer for supplying an alternating current of fixed frequency to said track circuit, a vacuum tube modulator, means controlled by said modulator and said oscillator-mixer for forming said alternating current into codes comprising said fixed frequency current modulated at different rates, means including a plurality of electrical condensers for controlling said modulator in accordance with the codes to be formed, and means controlled in accordance with traffic conditions for selectively connecting said condensers to said modulator.

2,098,041

CONTINUOUS INDUCTIVE CODED CAB SIGNALING SYSTEM

Walter H. Hoppe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application March 19, 1936, Serial No. 69,618
22 Claims. (Cl. 246—63)



18. In a coded track circuit for railroads, track rails, a load circuit including said track rails, circuit means for connecting said load circuit to a source of high frequency alternating current, and an arc discharge device included in said circuit means for applying current from said current source to said load circuit at different low frequency rates.

2,098,042

STENCIL SHEET

Shinjiro Horii, Tokyo, Japan

No Drawing. Application May 27, 1936, Serial No. 82,090
1 Claim. (Cl. 41—38.6)

A stencil sheet, comprising a base of fibrous material material coated with a composition including gelatine, mono- or di-oleic acid ester of glycerine, mono- or di-oleic acid ester of ethylene glycol, oleic acid, Turkey-red oil, a heavy mineral oil, Prussian blue, organic lakes, kaolin, powdered agalmatolite, hexamethylentetramine, and a preservative.

2,098,043

STENCIL SHEET

Shinjiro Horii, Kanda-ku, Tokyo, Japan

No Drawing. Application May 7, 1937, Serial No. 141,248. In Japan March 31, 1937
2 Claims. (Cl. 41—38.6)

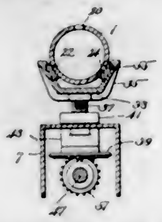
2. A stencil sheet consisting of a base of fibrous material coated with a coating material comprising gelatine, oleic acid di-glyceride, glycol oleate, oleyl alcohol, a heavy mineral oil, Turkey-red oil, ultramarine blue, diatomaceous earth, water, cyclohexanol, hexamethylenetetramine and a preservative.

2,098,044

VACUUM EXTRACTOR

James D. Hunter and Frank B. Morrill, North Adams, Mass., assignors to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts

Application January 14, 1937, Serial No. 120,637
7 Claims. (Cl. 34—48)



1. A vacuum extractor for web material having in combination means defining a vacuum chamber adapted to be connected to a vacuum pump and having a plurality of extracting slots of different widths, means for selectively bringing one of such slots into working relation with a traveling web, and means for closing the remaining slots against ingress of air.

2,098,045

TREATMENT OF HYDROCARBONS

Vladimir Ipatieff and Vasili Komarewsky, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 18, 1935, Serial No. 32,036
6 Claims. (Cl. 260—168)

1. A process for the alkylation of aromatic hydrocarbons to produce more valuable products therefrom, which comprises subjecting a mixture comprising said aromatic hydrocarbons and paraffinic hydrocarbons to the action of an acid of phosphorus at an alkylating temperature between approximately 700° F. and 900° F. whereby the paraffinic hydrocarbons undergo decomposition, the products of which decomposition combine with said aromatic hydrocarbon to alkylate same, and recovering the alkyl derivatives thus formed.

2,098,046

TREATMENT OF HYDROCARBONS

Vladimir Ipatieff and Vasili Komarewsky, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 16, 1935, Serial No. 36,560
4 Claims. (Cl. 260—167)

1. A process for producing alkylated hydrocarbons which comprises reacting a paraffin and a naphthenic hydrocarbon at destructive alkylation temperature of from about 700° F. to 900° F. and in the presence of orthophosphoric acid.

2,098,047

PROCESS OF RECOVERING MALEIC ACID FROM THE FUME GASES CONTAINING SMALL AMOUNTS THEREOF

Alphons O. Jaeger, Greentree, and Joseph E. Jewett, Pittsburgh, Pa., assignors to American Cyanamid & Chemical Corporation, Bridgeville, Pa., a corporation

No Drawing. Application November 21, 1935, Serial No. 50,839
11 Claims. (Cl. 260—122)

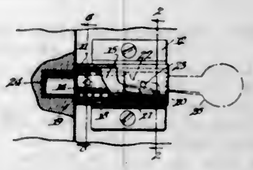
3. A method of producing a concentrated maleic acid liquor from the maleic anhydride containing effluent gases from the condensers of a vapor phase catalytic oxidation plant of aromatic compounds, which comprises scrubbing the exhaust gases from the condenser which contain maleic anhydride in the concentrations normally obtained in the fume gases from catalytic vapor phase organic oxidation plants with a dilute maleic acid liquor, thereby concentrating the liquor, continuously removing the concentrated liquor from the zone of scrubbing, recirculating at least a portion thereof and withdrawing a portion of the concentrated liquor from the circuit.

2,098,048

PIN AND TUMBLER MECHANISM

Herman H. Kistner, Baltimore, Md., assignor to Kistner Lock and Appliance Company, Baltimore, Md., a corporation of Maryland

Application November 9, 1935, Serial No. 49,085
10 Claims. (Cl. 70—141)



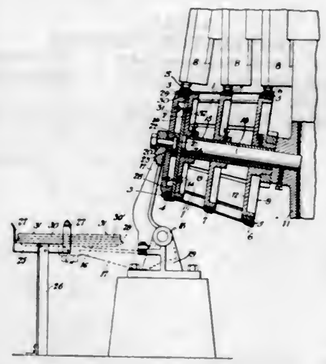
1. A bolt lock comprising a body, a sleeve mounted to turn therein, a bolt slidable through the sleeve, one end of the bolt being projectable from the body to engage a keeper and the other end being slotted lengthwise to receive a key, said bolt having spaced transverse openings intersecting said slot and tumbler pins in said openings, said housing having two sets of axially spaced openings respectively mating with said openings in said bolt in retracted and locking position, spring pressed tumblers in each set of openings in said housing, axially spaced slots in said sleeve, respectively adapted to aline with said sets of openings at opposite positions of said sleeve, and means engaging said sleeve for rotating it simultaneously with said bolt whereby said slots respectively uncover one or the other of said sets of openings in said housing at extreme positions of movement of said bolt.

2,098,049

BASKET MANUFACTURE

Sadron C. Lampert, Norfolk, Va., assignor to Farmers Manufacturing Company, Norfolk, Va., a corporation of Virginia

Application January 16, 1937, Serial No. 120,847
8 Claims. (Cl. 1—13.6)



1. The method of making a basket of the raised bottom type, comprising assembling a bottom structure for the basket by placing a basket bottom panel and a preformed liner hoop in mutually centered relation with the edge margin of said panel abutting an edge of said hoop, establishing a holding connection to temporarily secure said panel and hoop in said abutting and centered relation, constructing the side wall of the basket around the hoop and panel in overlapping relation to their peripheries while they are so temporarily held together and driving fastening elements to secure the side wall of the basket to the liner hoop and to the edge of the bottom panel, and then releasing said temporary holding connection.

2,098,050

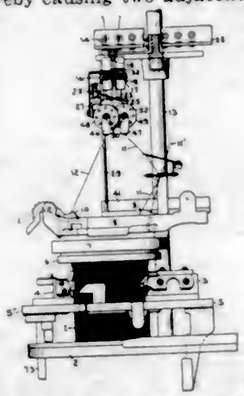
KNITTING MACHINE

Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application August 28, 1933, Serial No. 687,102
19 Claims. (Cl. 66—125)

1. In a multi-feed knitting machine having at least two feeding stations, means for separately knitting two or more yarns at the same time, in combination with yarn controlled elements so associated that the tendency of one such yarn

to be fed to the needles at a faster rate is resisted thereby causing two adjacent courses of a



resultant fabric to be substantially uniform with respect to each other.

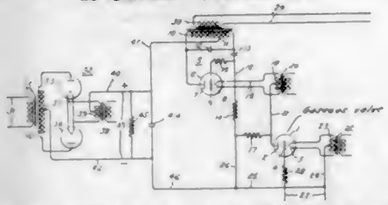
2,098,051

OSCILLATOR CONTROL

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 16, 1936, Serial No. 69,243

18 Claims. (Cl. 171—97)



18. In combination, an alternating current supply circuit, an alternating current load circuit, electric translating apparatus connected therebetween comprising an inductive winding having terminal connections and a connection electrically intermediate said terminal connections, a pair of electric valve means each connected in circuit with a different one of said terminal connections and arranged to transmit current alternately, an electronic discharge device of the type employing an ionizable medium and having a control member connected in circuit with said electric valve means and connected in circuit with said intermediate connection for controlling said electric valve means, a control circuit for energizing said control member, and means comprising a capacitance connected in series relation with said electronic discharge device and an impedance element connected across said capacitance and said electronic discharge device for rendering said device nonconductive at the end of each half cycle of conduction to permit said control member to obtain control.

2,098,052

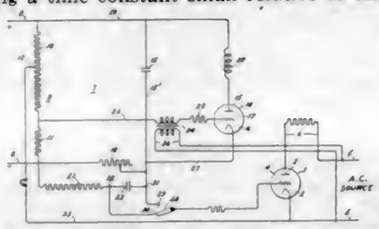
TIMING CIRCUIT

Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 16, 1936, Serial No. 69,244

14 Claims. (Cl. 250—27)

1. In combination, a source of current, a circuit having a relatively large time constant comprising a capacitance arranged to be charged from said source and means for periodically discharging said capacitance, and a second circuit having a time constant small relative to that of



said first-mentioned circuit and connected to be energized in accordance with an electrical condition of said first-mentioned circuit to provide a periodic timing quantity.

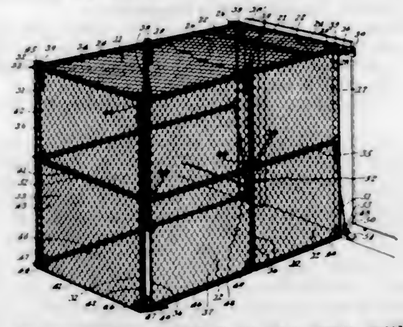
2,098,053

DELIVERY ENCLOSURE

Wayne E. Mack, Martins Ferry, Ohio, assignor to The Consolidated Expanded Metal Companies, Wheeling, W. Va., a corporation of West Virginia

Application June 10, 1936, Serial No. 84,465

10 Claims. (Cl. 20—1.6)



1. An enclosure adapted to cooperate with a delivery opening, comprising a top frame secured above the opening, corner posts supporting the end of the frame remote from the opening, side and end panels having hooks for detachably engaging said frame, and hold-down bars extending through eyes in said panels, at least one end of said bars being secured to a fixed anchorage.

2,098,054

BALL MILL ATTACK OF TITANIFEROUS ORES

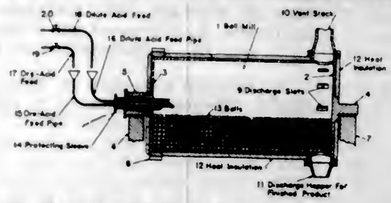
Ford H. McBerty, Newark, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

Application November 23, 1935, Serial No. 51,247

5 Claims. (Cl. 75—115)

1. In a process of attacking a titaniferous ore with acid, the steps of feeding sulfuric acid and ore into a reaction zone in which the mixture of acid and ore is broken up into films adhering to loose solid bodies, moving said bodies in said reaction zone in such a manner that they rub against each other, thereby submitting said films to attrition while, at the same time, said acid, ore and the reaction products obtained from the action of said acid upon said ore, move from the feed end of said reaction zone to its discharge end and adjusting the movement of said solid

bodies, the temperature in said reaction zone, the amounts of said reactants and the concen-



tration of said acid in such a manner that the reaction product is discharged as a solid product.

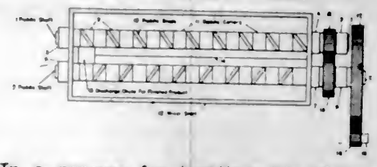
2,098,055

PUG MILL ATTACK OF TITANIFEROUS ORES

Ford H. McBerty, Newark, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware

Application November 23, 1935, Serial No. 51,248

8 Claims. (Cl. 75—115)



1. In a process for treating titaniferous ore with sulfuric acid to recover a water soluble titanium compound in solid form which comprises feeding said ore and acid of suitable strength into a reaction zone, initiating the reaction between said acid and ore and moving the reaction mixture away from the zone where the reaction is initiated and keeping the reaction mixture moving until it is discharged in a solid disintegrated form, the step of effecting said movement in said reaction zone by means of a plurality of adjacent and cooperatively acting helicoidal parallel screws rotating at different speeds and adapted to prevent substantial accumulations of reactant materials on each other.

2,098,056

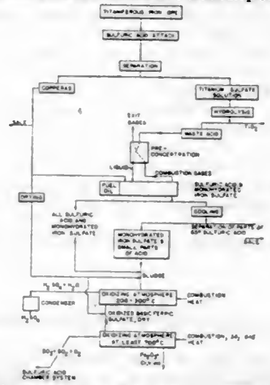
UTILIZATION OF WASTE PRODUCTS IN THE MANUFACTURE OF TITANIUM COMPOUNDS FROM TITANIUM ORES

Ford H. McBerty, Newark, Del., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware

Application February 15, 1936, Serial No. 64,065

5 Claims. (Cl. 23—172)

5. A process for the recovery of valuable products from waste dilute, impure sulfuric acid and crystallized copperas by-products obtained in the manufacture of titanium compounds from titanium ores, comprising initially concentrating to a point of substantial saturation an iron sulfate-waste sulfuric acid solution, increasing the iron content of said initially concentrated solution by adding by-product copperas thereto, further concentrating said solution to a point where the iron sulfate content thereof becomes dehydrated to the monohydrated iron sulfate state and said iron sulfate crystallizes out of solution, subjecting the sulfuric acid-monohydrated sulfate mixture remaining to oxidation under a temperature not to exceed substantially 300° C., recovering the acid distillate and solid oxidized iron sulfate therefrom, decomposing said oxidized iron sulfate in an oxidizing atmosphere and under a temperature of at least 700° C., recovering SO_2 and SO_3 gases as a result of iron sulfate decomposition, and



passing said gases, together with oxygen, into a sulfuric acid chamber system for recovery of sulfuric acid therefrom.

2,098,057

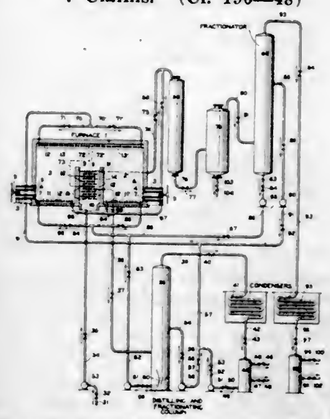
CONVERSION OF HYDROCARBON OILS

John Warren McCaffrey, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 23, 1934, Serial No. 727,070

Renewed September 20, 1935

7 Claims. (Cl. 196—48)



1. In a process for the fractional distillation of hydrocarbon oil accompanied by the pyrolytic conversion of selected fractions thereof under independently controlled temperature and pressure conditions in a heating zone employing a heating coil of the type having two independently fired combustion zones with a fluid conduit located adjacent the roof and floor of each and with a centrally located fluid heating zone containing fluid conduits heated by combustion gases from both combustion zones, the improvement which comprises passing hydrocarbon oil charging stock for the process through the fluid conduit located in that portion of the fluid heating zone exposed to the mildest heating conditions therein, whereby to heat the oil to a temperature sufficient to effect its fractional distillation, passing selected high-boiling fractions of the charging stock through the fluid conduits located adjacent the

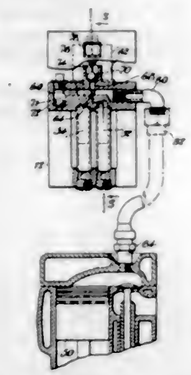
floor of each combustion zone whereby to rapidly heat the same to the desired conversion temperature, without maintaining the same near the maximum conversion temperature attained for a sufficient time to permit excessive conversion thereof, and passing selected low-boiling fractions of the charging stock first through the fluid conduits located adjacent the roof of each combustion zone, whereby to heat the same to a high conversion temperature, and then passing the stream of low-boiling highly heated oil through the fluid conduit located in that portion of the fluid heating zone exposed to the most severe heating conditions therein, whereby to maintain the same near the maximum conversion temperature attained for a predetermined time.

2,098,058
APPARATUS FOR LOCATING TOP DEAD CENTER

John D. Morgan, South Orange, N. J., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

Original application August 15, 1933, Serial No. 685,219. Divided and this application February 19, 1936, Serial No. 64,792

4 Claims. (Cl. 73—51)



3. A gauge adapted for use in locating top dead center position of a piston in an internal combustion engine comprising, a double U-shaped manometer having a reservoir leg of relatively large cross section communicably connected at its base with the lower ends of each of a pair of upright high and low pressure measuring legs of relatively small cross section, a passage communicably connecting the upper end of the low pressure measuring leg and the reservoir leg, a relief passage communicably connecting the top of the reservoir leg with atmosphere, a pressure chamber and passage communicably connecting same with the upper end of the high pressure measuring leg, a manifold, a conduit and calibrated orifice communicably connecting the manifold with the pressure chamber, a pair of vertically mounted tubular members forming respectively the inlet end of the relief passage in the reservoir leg and the inlet end of the said conduit in the pressure chamber whereby said inlets are spaced respectively from the roof of the reservoir leg and from the floor of the pressure chamber, a pressure relief passage ported out of the manifold and controlled by a weighted pressure relief valve, and a vacuum relief passage ported out of the manifold and controlled by a weighted vacuum relief valve.

2,098,059
TREATMENT OF HYDROCARBON OILS

Jacque C. Morrell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 18, 1932, Serial No. 593,875. Renewed January 2, 1936

2 Claims. (Cl. 196—36)

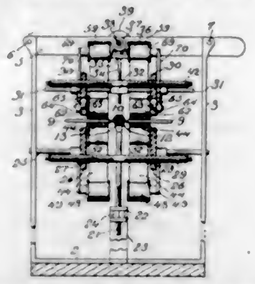
2. A method for refining cracked gasoline which comprises passing the gasoline in vapor form through a mass of finely divided heavy metal together with relatively minor amounts of hydrochloric acid and an aldehyde such as to separate sulphur compounds and objectionable olefins from the gasoline vapors, and then condensing and recovering the thus purified gasoline vapors.

2,098,060
MECHANISM FOR SHAPING THE BACKS OF BOOK COVERS

Allen J. Moyer, Kansas City, Mo., assignor to Interstate Bindery Company, Kansas City, Mo., a corporation of Missouri

Application June 1, 1936, Serial No. 82,823

20 Claims. (Cl. 11—2)



8. In a book cover back shaping mechanism, the combination with rectilinear back shaping means for engaging the inner side of and shaping the back of an open book cover, the sides of which are at opposite sides of said shaping means, of two pairs of endless belts at opposite sides respectively of said shaping means and having rectilinear portions parallel with said shaping means and with each other, and means for driving two of said belts, one of each pair, in directions such that their said parallel portions will travel simultaneously at like speed and in the same direction parallel with said shaping means and with each other, the other two belts being so disposed relative to said driven belts respectively as to have their said parallel portions cooperate with said driven belts to grip the sides of the cover and move the cover endwise while the back of the cover is held against and conformed to said shaping means.

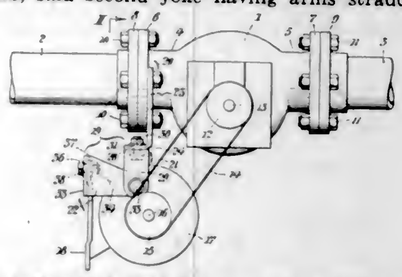
2,098,061
MOTOR SUPPORT

Gonzalo C. Munoz, Philadelphia, and David M. Watson, Ardsley, Pa., assignors to The American Pulley Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 10, 1935, Serial No. 30,592

7 Claims. (Cl. 248—16)

7. A pivotal suspension support for an electric motor having a pulley coordinated by a belt with the pulley of the device which is to be driven, comprising a fixed bracket; a yoke adjustably secured to the bracket and having arms overreaching the motor casing; and a second yoke supporting the motor with capacity for adjustment and movable relative to the first mentioned yoke, said second yoke having arms straddling



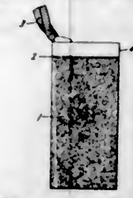
the motor and pivotally connected at their ends to corresponding ends of the arms of said first mentioned yoke.

2,098,062
CARBON BRUSH

Robert Palmer, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application April 26, 1935, Serial No. 18,374

5 Claims. (Cl. 171—325)



1. In combination, a carbon block, a metal coating integrally united therewith, said metal when molten having the property of wetting carbon.

2,098,063
PROCESS FOR DEOXIDATION OF COPPER

René Perrin, Paris, France, assignor to Société d'Electrochimie d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France, a corporation of France

No Drawing. Application June 7, 1937, Serial No. 146,964. In France June 16, 1936

4 Claims. (Cl. 75—76)

1. Process for deoxidation of copper by the action of a deoxidizing flux consisting in causing metaphosphoric acid to act upon a bath of oxidized copper.

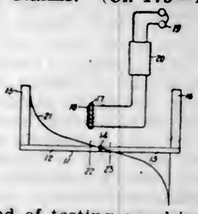
2,098,064
MAGNETIC TESTING DEVICE

Joachim Pfaffenberger, Berlin-Mariendorf, Germany, assignor to General Electric Company, a corporation of New York

Application August 27, 1934, Serial No. 741,702

In Germany September 28, 1933

7 Claims. (Cl. 175—183)



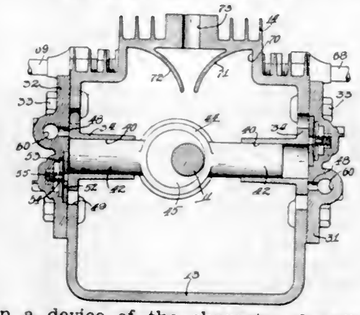
1. A method of testing an object of magnetizable material which comprises magnetizing the object, passing a detecting coil with a magnetic core along the object in a direction parallel with the direction of magnetization with the magnetic axis of said core perpendicular to the direction of magnetization of said object, thereby producing voltage pulsations in said coil due to Barkhausen effect in said core, and observing the points at which pulsations of increased strength occur in the voltages induced in said coil.

2,098,065
COMPRESSOR

Charles L. Rayfield, Chicago, Ill., assignor to Ray Engineering Company, Chicago, Ill., a corporation of Illinois

Application April 13, 1936, Serial No. 73,986

15 Claims. (Cl. 230—175)



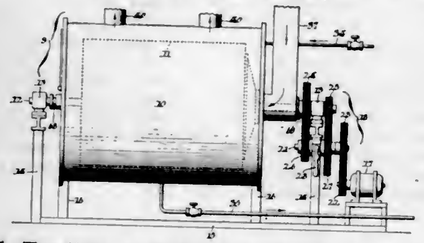
1. In a device of the character described, a cylinder mounted for orbital movement, said cylinder having its longitudinal axis parallel to the axis of the orbit, a piston reciprocable in said cylinder, means to actuate said piston and move said cylinder, and outlet and inlet ports to said cylinder operative in response to the movement of said cylinder.

2,098,066
TREATING APPARATUS

Walter W. Sibson, Jr., Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

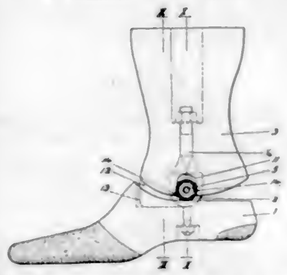
Application August 19, 1935, Serial No. 36,818

4 Claims. (Cl. 68—18)



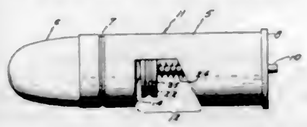
1. Treating apparatus comprising a casing adapted to contain treating liquid; a rotary drum in said casing having a foraminous peripheral wall pervious to the liquid; foraminous partitions forming hollow foraminous-walled septa in said drum, with intervening work pockets between said septa, and with direct passage for the liquid through said septa from pocket to pocket; and means for passing air or gas through said casing and said work pockets of said drum, via said hollow foraminous-walled septa and the peripheral wall openings of the drum, said means including conduit means for air communicating with the interiors of said hollow septa.

2,098,067
ARTIFICIAL FOOT, JOINT, AND ANKLE
Ludvig Hjalmar Simonsson, Stockholm, Sweden
Application May 28, 1935, Serial No. 23,833
In Great Britain July 4, 1934
3 Claims. (Cl. 3—6)



1. An artificial foot, joint and ankle provided with a ball bearing device placed between the foot and the lower end of the leg, the ball bearing having an outer ring with a spherically shaped outer ball race and an inner ring with an inner ball race, characterized thereby, that the inner ball race ring is secured to a bolt extending into and being secured in two supporting sleeves, which by means of screw bolts are secured to the foot, the outer ball race ring being secured to the lower part of the leg by means of a screw bolt.

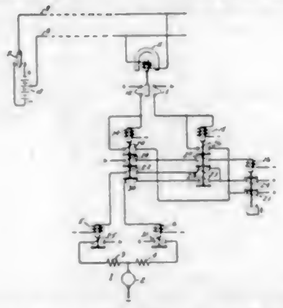
2,098,068
TOY CARTRIDGE
William Frank Skinner, Miami, Fla., assignor to John A. Cleveland, Miami, Fla.
Application June 4, 1936, Serial No. 83,559
5 Claims. (Cl. 102—12)



1. Toy cartridge for pistols, comprising a shell, a hammer within said shell having a stem extending through one end thereof adapted to cooperate with the firing mechanism of a pistol, means normally occluding the opposite end of said shell including a valve closed bore, a cap receiving plate within said shell adjacent said hammer and perforated so as to communicate with said bore forming with said hammer a space for receiving the cap, said shell being open laterally at an intermediate point to give access to said cap receiving space for removing a spent cap and replacing with a fresh one.

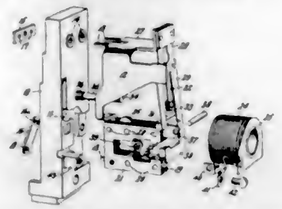
2,098,069
REMOTE CONTROL SYSTEM
Clyde E. Stewart, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application September 10, 1936, Serial No. 100,152
6 Claims. (Cl. 172—239)

6. In combination, a conductor, two relays, a device movable in different directions, means for selectively controlling over said conductor the energization of said relays, and means controlled by said relays for effecting the movement of said device in one direction when one of said relays is energized and the other relay is de-energized and for effecting the stopping of said device when both of said relays are simultaneously energized and de-energized and for effecting the movement



of said device in another direction when said one of said relays is de-energized and the other relay is energized.

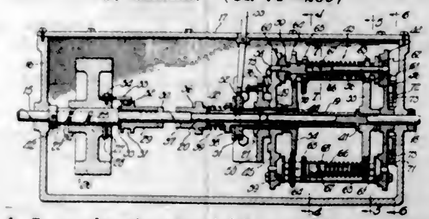
2,098,070
ELECTROMAGNETIC RELAY
Allen G. Stimson, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application May 29, 1935, Serial No. 23,999
8 Claims. (Cl. 175—338)



1. An alternating-current relay comprising a magnetizable frame having an air gap, a magnetizable armature, a cantilever spring secured to said armature for normally supporting said armature in a position adjacent said frame, said armature and said cantilever spring having a natural amplitude of vibration about said normal position when said armature is moved from said position to stress said spring and then released, means including an operating winding for producing a magnetic flux in said frame to attract said armature from said normal position to a position within said air gap, means including a short-circuited winding carried by said armature for damping forced vibration of said armature within said air gap, and a stop for preventing free vibration of said armature about said normal position when said armature is released from said air gap, said stop being positioned beyond said normal position but within the natural vibration range of said armature.

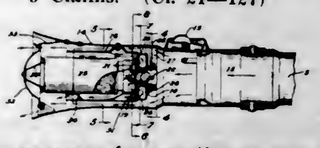
7. An alternating-current relay comprising a laminated magnetic frame having a plurality of substantially rectangular poles, an inner lamination of said frame having a portion extending outwardly from a side of one of said poles, an operating coil for said relay comprising a spool of insulating material surrounding said one pole, the dimensions of said extending portion being such that when said coil is pressed onto said pole, said spool is forced into intimate engagement with said extending portion and with the remote corners of said rectangular pole whereby a rigid three-point support for said coil is provided.

2,098,071
MOTOR VEHICLE DRIVE
Giuseppe Tasso, Brooklyn, N. Y., assignor of one-half to Irving L. Rollins, Brooklyn, N. Y.
Application October 6, 1936, Serial No. 104,158
10 Claims. (Cl. 74—259)



1. In a planetary variable speed transmission, a power driving shaft, a driven propeller shaft axially alined with said power driving shaft, a rotor frame journaled for rotation on said driving and driven shafts, a driving sun gear fixed to said power driving shaft, a driven sun gear keyed to said driven propeller shaft, one or more planet shafts carried by said rotor frame, each of said planet shafts comprising a pair of shaft sections slidably keyed together, the outer ends of said shaft sections having their outer ends slidably supported in said rotor frame, planet gears mounted on the respective shaft sections in mesh with the respective sun gears, releasable means normally locking said shaft sections against rotation to cause said rotor to rotate with said power driving gear and impart a direct drive from said driving shaft to said driven propeller shaft, means preventing retrograde movement of said rotor frame, and means operable upon a predetermined magnitude drag upon said propeller shaft for actuating said releasable means to free said shaft sections from locking engagement with said rotor frame to cause a reduced speed to be transmitted from said power driving shaft to said driven propeller shaft through the meshing sun and planet gears.

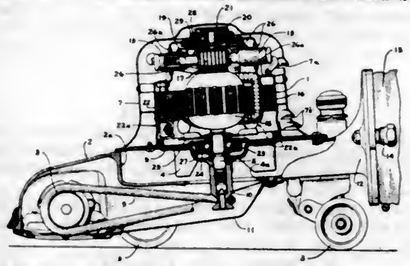
2,098,072
SUCTION CLEANER
Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 2, 1935, Serial No. 185
5 Claims. (Cl. 21—127)



2. In an accessory for a suction cleaner, a hollow body open at its ends, a receptacle for a volatile element having a single open end, means removably seating said receptacle in said body, valve means to direct a part only of an air stream passing through said body into and from said receptacle or to seal said receptacle completely from said air.

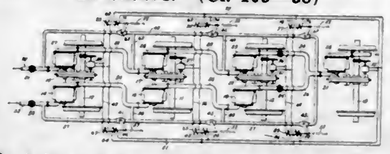
2,098,073
ELECTRIC MOTOR
Wilmer H. Tucker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 11, 1936, Serial No. 115,322
5 Claims. (Cl. 171—324)

1. An electric motor comprising a frame, an armature shaft having bearings at the opposite ends of said frame and including a commutator adjacent one end thereof, commutator brush holders disposed radially with respect to said commutator, a supporting member for said brush



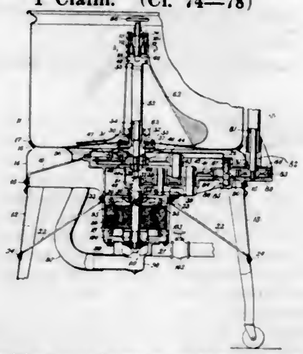
holders embracing the bearing at the commutator end of the armature shaft, and a resilient member between said supporting member and the motor frame.

2,098,074
LOCOMOTIVE TURBINE DRIVE
Glenn B. Warren, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 21, 1935, Serial No. 41,625
14 Claims. (Cl. 105—38)



13. A locomotive drive arrangement including the combination of a first axle means, a second axle means, means including a high pressure high speed elastic fluid turbine and a high pressure low speed elastic fluid turbine for driving the first axle means, means including a low pressure high speed elastic fluid turbine and a low pressure low speed elastic fluid turbine for driving the second axle means, a crossover conduit connecting the high speed turbines in series, and another crossover conduit connecting the low speed turbines in series.

2,098,075
WASHING MACHINE
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 29, 1934, Serial No. 728,125
1 Claim. (Cl. 74—78)



In a washing machine, a rotary driving shaft, an oscillatory driven shaft, means including a

rack and pinion connecting said shafts for oscillating said driven shaft, said shafts being arranged in vertical alignment with an end of said driving shaft bearing against an end of said driven shaft to provide a thrust bearing for said shafts.

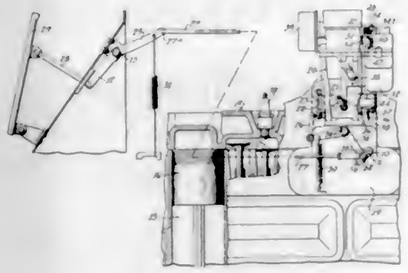
2,098,076

CLUTCH CONTROL

Ralph H. Whisler, St. Clair Shores, Mich., assignor, by mesne assignments, to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Original application October 13, 1934, Serial No. 748,197. Divided and this application December 29, 1936, Serial No. 118,053

8 Claims. (Cl. 192—.01)



1. In combination, a carburetor having a throttle valve, a vacuum controlled device for actuating a clutch, mechanism for controlling said device, joint control means for said valve and said mechanism, and means whereby the last part of the closing movement of said throttle valve is effected independently of said control mechanism after completion of the movement of said joint control means in a direction to close said throttle valve.

2,098,077

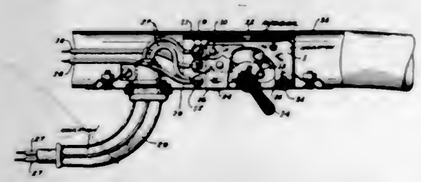
ELECTRIC SWITCH

Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 8, 1934, Serial No. 738,918

Renewed September 2, 1936

4 Claims. (Cl. 200—67)



3. In an electric switch, an insulating body formed with a centrally located cavity open on one side, a lever pivoted to said body, a flying contact and a spring connecting said contact to said lever, all positioned in said cavity with said lever extending therefrom, said body formed as a guideway for said flying contact on one side of said cavity, an insulating sheath enclosing two sides and one edge of said body and overlying said cavity, means securing said sheath to said body, conductor receiving terminals carried by said body and covered by said sheath, said sheath being deformable to uncover said terminals.

2,098,078

FRICTION MATERIAL

William L. White, Clifton, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

No Drawing. Application October 7, 1933, Serial No. 692,619

4 Claims. (Cl. 106—7.5)

1. Friction material, comprising a hard, dense mass of asbestos fibers and an organic binder cured to provide the desired coefficient of friction, having distributed therethrough a relatively small amount of finely divided particles of vulcanized soft rubber having the property of melting to lubricate the working surface of said friction material at relatively high temperatures and of such a character that they will not melt to lubricate the working surface of said friction material at relatively low temperatures.

2,098,079

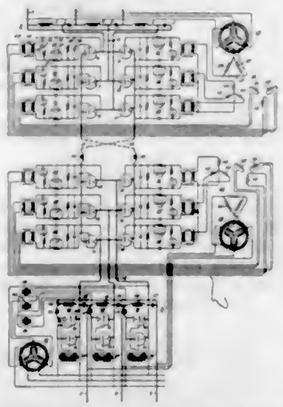
ELECTRIC POWER TRANSMISSION SYSTEM

Clodius H. Willis, Princeton, N. J., Frank R. Elder and Burnice D. Bedford, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application March 24, 1936, Serial No. 70,575

Renewed June 23, 1937

34 Claims. (Cl. 171—97)



26. In combination, a constant voltage alternating current supply circuit, a constant voltage alternating current load circuit, means associated with said supply circuit for transforming said constant voltage alternating current to direct current of constant value comprising a network of reactances of opposite sign and electronic discharge means, means associated with said load circuit for transforming direct current of constant value to alternating current of constant voltage comprising a network of reactances of opposite sign and electronic discharge means, and means associated with said first-mentioned network for controlling the effective value of the reactances having corresponding sign comprising a plurality of auxiliary circuits each associated with a different one of said reactances of corresponding sign to effect control of the quantity and direction of energy transfer between said supply circuit and said load circuit.

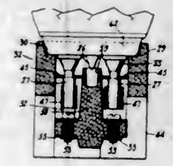
2,098,080

INCANDESCENT LAMP AND THE LIKE

Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

Application January 2, 1936, Serial No. 57,196

25 Claims. (Cl. 176—32)



25. An electrical device comprising an envelope having a comparatively heavy preformed glass portion with a plurality of projecting bosses thereon and a hole through each of said bosses and said preformed glass portion; a plurality of rigid metal contact prongs extending through said holes and provided with surrounding flared skirts having their edges sunk and fused into the thickness of said preformed glass portion and around said bosses; and a light source in said envelope supported by and electrically connected to said prongs.

2,098,081

ALUMINUM ALLOY

John Bartow Bates, Euclid, Ohio, assignor to Titanite Alloys Corporation, Euclid, Ohio, a corporation of Ohio

No Drawing. Application March 10, 1936, Serial No. 68,086

2 Claims. (Cl. 75—142)

1. A casting alloy consisting of 0.5 to 5.0% of manganese, 0.05 to 0.5% of titanium, 0.5 to 8.0% of copper, 0.1 to 4.9% of magnesium, 0.1 to 4.9% of silicon, the aggregate amount of the magnesium and silicon free and combined as magnesium silicide being limited to 5% of the alloy, and the balance commercial aluminum having impurities not in excess of 1.0%.

2,098,082

REACTION PRODUCT OF CELLULOSIC MATERIAL

Albert Henry Bowen and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application November 19, 1934, Serial No. 753,648

6 Claims. (Cl. 91—68)

1. An article of manufacture, comprising cellulosic materials and reacted zinc chloride, urea and formaldehyde.

2,098,083

SYNTHETIC RESIN ADHESIVE

Albert Henry Bowen and Theodore Williams Dike, Seattle, Wash., assignors to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington

No Drawing. Application November 21, 1934, Serial No. 754,178

20 Claims. (Cl. 91—68)

1. A composition embodying a zinc chloride-urea-formaldehyde condensation product and a sizing adhesive agent from the group consisting of animal glue, casein, starch and gum arabic.

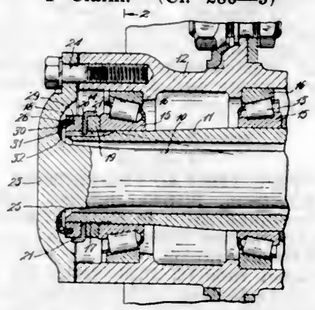
2,098,084

SEALING DEVICE AND ASSEMBLY

Gustav W. Carlson, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application January 31, 1936, Serial No. 61,782

1 Claim. (Cl. 286—5)



In combination, a tubular member, a rotatable shaft projecting from said member, a substantially radially extending flange on said shaft adjacent the end of said tubular member and presenting a dished face toward the latter, a nut on the tubular member adjacent the end thereof and having an annular groove in its outer end face and lying between the inner and outer peripheries of the nut, and a flexible lubricant retaining packing member having a ring portion engaging in said groove for supporting such packing member and locating the same with respect to the rotation axis and an annular flange portion connected with said ring portion and extending substantially radially inward therefrom, the outer face of said flange portion engaging the dished face of said flange and being sealingly pressed thereagainst by the flexibility of the packing member.

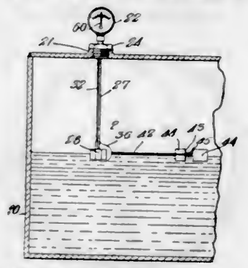
2,098,085

LIQUID LEVEL INDICATOR

John D'Arcey, Chelsea, Mass.

Application September 18, 1934, Serial No. 744,515

10 Claims. (Cl. 73—317)

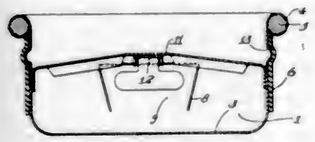


1. Means for indicating the level of liquid in a receptacle comprising a plug mounted in an opening in the receptacle, a saddle in said receptacle suspended from said plug, a pin carried by said saddle, a rotatable disk eccentrically mounted on said pin, an arm extending from said disk, a float on said arm, said float being raised or lowered by changes in the level of the liquid thereby rotating said disk, a block having a pocket in which said disk is mounted and which is raised and lowered by the rotation thereof, a rod having a vertical movement of translation carried by said plug, a gauge operated by the movement of said rod, and means for imparting the movement of the block to the rod.

2,098,086
PHOTOGRAPHIC DESENSITIZER
Walter Dieterle, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
No Drawing. Application July 16, 1936, Serial No. 90,891. In Germany July 25, 1935
4 Claims. (Cl. 95—88)

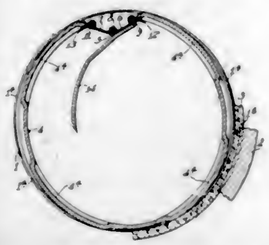
1. A photographic desensitizing solution which comprises an aqueous solution of a water-soluble compound selected from the group consisting of an anthraquinone and a phenanthrenequinone, and at least 2 per cent of sodium sulfite.

2,098,087
PIPE THREAD PROTECTOR
Birger Engstrom, Pittsburgh, Pa., assignor of sixty one-hundredths to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 18, 1936, Serial No. 85,936
11 Claims. (Cl. 138—96)



1. A thread protector comprising a sleeve of metal or other suitable material which is adapted to fit closely within a hollow article, a segment cut out of the side wall thereof but attached thereto along at least one edge, and means for positively displacing said segment into an out of clamping engagement with the wall of the receiving article.

2,098,088
INSIDE PIPE THREAD PROTECTOR
Birger Engstrom, Pittsburgh, Pa., assignor of sixty one-hundredths to Spang, Chalfant and Co., Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 17, 1937, Serial No. 126,182
7 Claims. (Cl. 138—96)

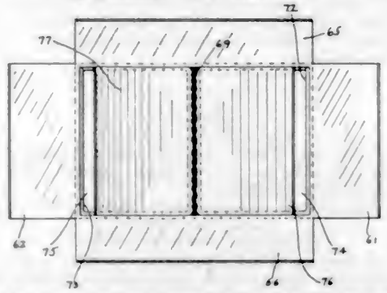


1. A thread protector comprising a sleeve provided with a packing liner on its periphery adapted to fit within a hollow article with said liner engaging the inner surface of the article, a split expansible clamping band provided with circumferentially spaced outset portions fitted within said sleeve with said outset portions operative through the sleeve over appreciable areas when said band is expanded and contracted for securing the protector to the protected article and releasing it therefrom, and means connected to the end of the clamping band for expanding and contracting it.

2,098,089
PRODUCTION OF CHLORBUTADIENE
Ernst Eberhardt, Ludwigshafen-on-the-Rhine, and Robert Stadler, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 18, 1936, Serial No. 75,236. In Germany April 27, 1935
5 Claims. (Cl. 260—166)

1. A process of producing chlorbutadiene from gases containing vinyl acetylene which comprises leading the said gases together with the corresponding amount of hydrogen chloride at elevated temperature over active carbon in the presence of a halide of a metal selected from the group consisting of base metals of the second and fourth groups of the periodic system of the elements.

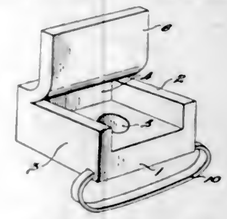
2,098,090
SHIPPING CONTAINER FOR HANDLING GOODS
Robert E. Ford, Minneapolis, Minn., assignor to Luther Ford & Company, Minneapolis, Minn., a co-partnership composed of Allyn K. Ford and Robert E. Ford
Application January 18, 1935, Serial No. 2,360
3 Claims. (Cl. 229—15)



1. A shipping container adapted to be separated into a pair of independent containers, comprising a main casing adapted to hold a maximum number of articles to be shipped, a pair of partitions adjacent one another in said casing with contacting plane-surfaced walls and having integral extensions glued to the bottom of the main casing, and having right-angled extensions at their tops, flaps on two opposite sides of the main casing adapted to be folded over and upon said latter extensions and glued thereto, flaps on the other two sides of the main casing glued to the top of said first-named flaps, the closely adjacent edges of said last-named flaps coming in the separation plane of said partitions, whereby the walls of the casing may be severed in said separation plane to produce two independent containers each embodying plane-surfaced walls on all sides and being in condition for shipping without wrapping or other protective addition.

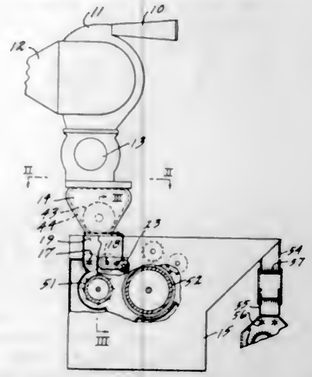
2,098,091
BATTERY TERMINAL PROTECTOR
John F. Gamble, Detroit, Mich.
Application February 24, 1936, Serial No. 65,240
4 Claims. (Cl. 173—259)

1. A protector for a battery terminal and battery terminal clamp comprising an absorbent member saturated with corrosion resistant material, said member being arranged to be fitted about the battery terminal and being provided with a chamber therein for the battery terminal clamp, said chamber being arranged to be filled with corrosion resistant material, a cover for said chamber of absorbent material saturated with corrosion resistant material and an elastic band



fitted about the said member and compressing the same to prevent leakage of corrosion resistant material from the chamber.

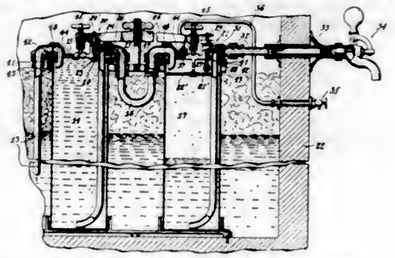
2,098,092
FEED MECHANISM FOR COTTON HULLERS AND CLEANERS
Clyde E. Hagler, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application September 4, 1934, Serial No. 742,564
15 Claims. (Cl. 19—69)



1. The combination with a distributor for the gins and a pneumatic conveyor system for supplying seed cotton thereto, of a preliminary cleaner mechanism interposed between said conveyor system and distributor and comprising feed rolls having a variable-speed drive, a means to deliver seed cotton from said conveyor system to said feed rolls, and means responsive to the presence of an excess of seed cotton in said delivery means to accelerate the rate of drive for said feed rolls.

2,098,093
LIQUID DISPENSING APPARATUS
Edward G. Hedges, Newark, and Robert Stickles, Union, N. J.
Application February 24, 1936, Serial No. 65,284
10 Claims. (Cl. 225—1)

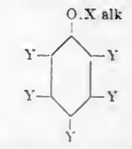
8. A system closed to the atmosphere for dispensing charged liquids, comprising in combination, a plurality of tanks and a source of liquid supply, means for maintaining pressure upon said liquid in said source, means for connecting one of said tanks to said source, means for dispensing liquid from another of said tanks, means interconnecting said tanks in serial relation for the passage of liquid from one tank to another, and means communicating with said last mentioned means to pass gases accumulating above



the level of the liquid in one tank into said communicating means.

2,098,094
WATER-SOLUBLE ORGANIC IODINE COMPOUNDS
William Hiemenz and Louis Freedman, Albany, N. Y., assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 29, 1936, Serial No. 82,527
3 Claims. (Cl. 260—108)

1. Water-soluble salts of iodo-phenoxy aliphatic sulfonic acid compounds of the general formula:



in which X represents a member of the group consisting of CH_2COO—, $(CH_2)_2COO$— and $(CH_2)_3COO$—, one Y represents —SO_3 alk, at least one Y represents I, and the remaining Y's represent a member of the group consisting of —H and —I, and alk represents a basic radical capable of producing water-soluble salts.

2,098,095
FISH LURE
Edwin L. Hoefler, Detroit, Mich.
Application June 19, 1935, Serial No. 27,358
6 Claims. (Cl. 43—42)



1. In a fish lure, a hook, a leader attached to said hook, and a body positioned about said hook,

comprising a coil of relatively fine wire with the adjacent loops closely juxtaposed and of such contour as to simulate a natural bait, said body being readily collapsible by lateral pressure.

2,098,096
CIGARETTE PACKAGE
John H. Hollis, Lincoln, Mass.
Application October 25, 1935, Serial No. 46,766
3 Claims. (Cl. 206—48)



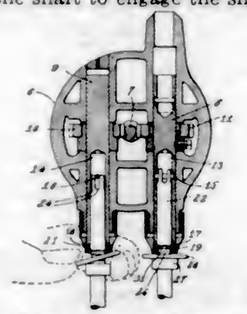
1. A match unit for a cigarette package, the unit comprising matches arranged in inner and outer strips, a mounting for the same consisting of a cardboard backing having a short up-turned lower end forming a striker strip, and a down-turned upper end for normally covering the matches, a staple passing through the inner strip of matches and the backing, a second staple passing through the striker strip, outer strip of matches, and backing, and an attachment band of flexible transparent material extending transversely across and beyond the front face of the backing and under the match strips and penetrated by the staples, the ends of the band being adapted to be secured around a cigarette package to attach the unit to the package.

2,098,097
CONDENSATION PRODUCTS OF 1,2,3,4-BUTYLENE-DIOXIDES AND A PROCESS OF MAKING SAME
Heinrich Hopff and August Weickmann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 18, 1935, Serial No. 55,041. In Germany December 20, 1934
13 Claims. (Cl. 260—60)

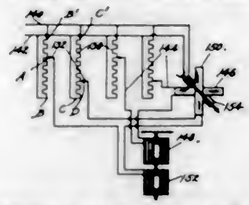
1. The process for the production of condensation products which consists in reacting butylene 1,2,3,4-dioxides with organic compounds containing at least one reactive hydrogen atom selected from the group consisting of aromatic and N-heterocyclic compounds containing a substituent of the group consisting of the amino and hydroxy group which compounds are free from sulphonic acid groups.

2,098,098
FOOD MIXER
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 14, 1936, Serial No. 100,649
7 Claims. (Cl. 259—1)

1. The combination in a household mixer, of a casing, a driven spindle carried on the casing, a beater having a shaft receivable in said spindle, spring means acting between the spindle and the shaft to hold the shaft in an operative driving position, a lever loosely carried on the shaft and wholly supported thereon arranged for manual tilting on the shaft to engage the shaft and another part of the mixer and thereby move the shaft longitudinally to release the beater from the spindle.

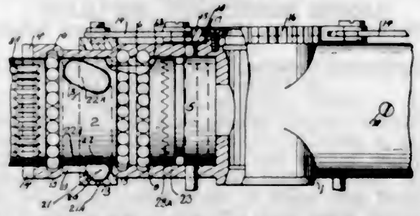


2,098,099
WIND PRESSURE GAUGE
Frank Kahn, Philadelphia, Pa.
Application July 30, 1932, Serial No. 626,519
9 Claims. (Cl. 177—351)



1. In a system for the remote indicating of the movement of a body movable substantially in a plane, four slide-wire rheostats in space-quadrature about the field of movement of said body, rods pivotably connecting the sliders of said rheostats to said body, a source of electric current, a goniometer having two fixed coils in quadrature and a rotatable coil, and a two-element dynamometer ammeter, the rheostats being arranged in circuit with said source as potentiometers with the difference of potential between the sliders of each aligned pair of rheostats, respectively, forcing current through one fixed coil of the goniometer and one element of the dynamometer ammeter in series, respectively, the rotatable goniometer coil being separately energized from the electric source.

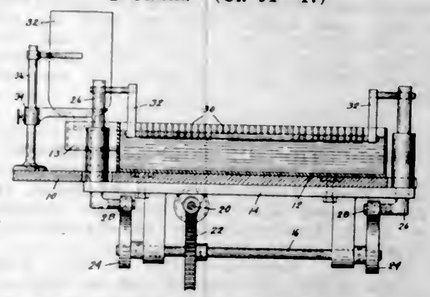
2,098,100
PROPELLER
Lawrence Kaiser, Milwaukee, Wis.
Application November 13, 1933, Serial No. 698,026
2 Claims. (Cl. 170—162)



1. In a propeller the combination of a hub, hollow members projecting therefrom, a propeller

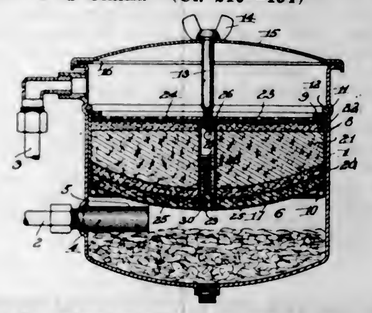
blade rotatably mounted in each of said members, a ring encircling each of said members and movable axially thereof, a slot in each of said members, a non-parallel groove in each of said blades, and a ball engaged in said slot and groove and movable with said ring to rotate the associated blade.

2,098,101
CEMENTING MACHINE
Irving L. Keith, Haverhill, Mass.
Application August 21, 1936, Serial No. 97,128
1 Claim. (Cl. 91—47)



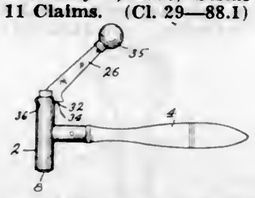
In combination with a liquid adhesive containing receptacle, a horizontally disposed grid composed of suitably spaced bars of substantial width vertically and having faces on their top edges adapted to carry adhesive, and means for raising and lowering said grid within said receptacle and for so limiting the vertical movements thereof with relation to the liquid level in the receptacle that the grid is moved between a position in which it is completely submerged, so that adhesive is applied to said faces, and a position in which the lower edges of the bars are still submerged and the upper edges thereof are raised above the liquid level, to permit the work to be laid thereon and adhesive on said faces to be applied thereto.

2,098,102
OIL FILTER
William A. McLean, Rochester, N. Y., assignor to C. Schnackel's Son, Inc., Rochester, N. Y., a corporation of New York
Application June 26, 1933, Serial No. 677,647
1 Claim. (Cl. 210—134)



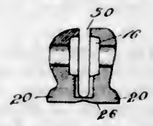
In a force feed oil filter, the combination with a tank having a discharge connection and an intake connection and provided with a recessed seat in its inner wall, of a detachable spring ring of circular cross section held to the seat in the tank wall by its own expansive force and itself forming a seat on the interior of the tank, a light cartridge adapted to act as a unitary, perishable and replaceable filtering element detachably arranged between the connections, the same comprising an inner compacted filtering medium and a cylindrical paper casing permanently enclosing the same and having its ends crimped inwardly over the filtering medium at the ends of the cylinder in the manner of a shotgun shell, the crimped end of the cartridge being forced against the said ring seat by the pressure of oil from the intake connection in a manner tending to tighten the crimping.

2,098,103
WATCHMAKER'S TOOL
Joseph H. Meinhardt and Samuel M. Coffman, Kansas City, Mo.; said Coffman assignor of one-fourth to said Meinhardt
Application January 2, 1936, Serial No. 57,240
11 Claims. (Cl. 29—88.1)



1. A device of the character described comprising a tubular member, a hollow plunger reciprocably mounted in said tubular member and provided with an internally beveled portion, a chuck reciprocably mounted within said plunger and provided with resilient jaws adapted to be closed when forced to slide upon said beveled portion, a spring adapted when compressed sufficiently to exert enough pressure on said chuck to slide the jaws upon the beveled portion, and means for compressing said spring.

2,098,104
JEWELRY FINDING
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application October 17, 1935, Serial No. 45,466
4 Claims. (Cl. 29—160.6)

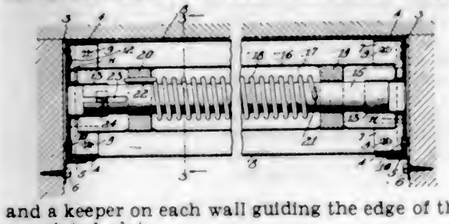


1. A jewelry finding for a pin stem joint or catch comprising a piece of stock folded once to provide parallel ears with integral flanges extending from said fold at substantially right angles to said ears and lying alongside said ears to provide a base the under surface of which presents a solder surface for attachment of the device.

2,098,105
ROLLER SCREEN
Alvin F. Nye, Rochester, N. Y., assignor to Fil-Bac Products Corporation, Rochester, N. Y., a corporation of New York
Application March 19, 1935, Serial No. 11,828
3 Claims. (Cl. 156—39)

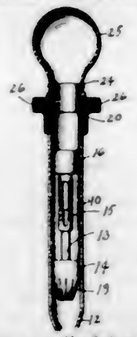
3. In a roll screen mounting, the combination with an elongated casing having a longitudinally extending screen slot therein at one side and end walls, of a supporting plate carrying a trunnion

pivoted on each end of and inside the casing to throw the trunnions toward and from the slot,



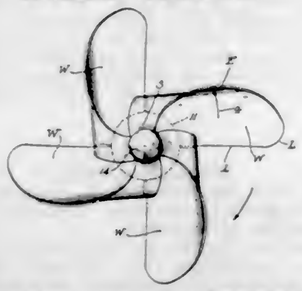
and a keeper on each wall guiding the edge of the associated plate.

2,098,106
SYRINGE
Carl Edward Pieck, Covington, Ky.
Application July 16, 1935, Serial No. 31,645
10 Claims. (Cl. 128—234)



1. In a syringe, a cylindrical barrel, a tapered constriction at the lower end thereof, a rigid socket at the upper end thereof, air inlet means in said socket, a soft pneumatic bulb attached to said socket and in pneumatic communication with the interior of said barrel, a compound piston wholly within said barrel and screw means for adjusting the length of said piston, all of the parts of said piston being arranged to travel in unison during use.

2,098,107
FAN WITH RUBBER BLADES
Edward S. Preston, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 22, 1936, Serial No. 97,318
17 Claims. (Cl. 230—261)



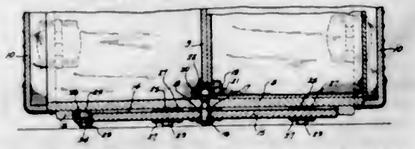
1. A pin-wheel type rubber-bladed fan member comprising a centrally perforated sheet of flexible rubber having slits extending radially into it to define counterpart wings presenting straight forward edges, and curved trailing edges terminating in wing-securing straps, and having each wing provided with a perforation disposed near the outer end of its rotationally rearward edge portion, the said wings being all bent forwardly and thereafter radially inwardly to dispose their said end portions in relatively overlapping relation and to have the said wing perforations aline with the central perforation in the said sheet; a stem extending forwardly through all of the said perforations; a spacer sleeved upon and centered by the stem member and disposed between the said sheet and the said overlapped wing portions; and means associated with the said stem member conjointly clamping the said wing portions, the spacer and the central sheet portion rearwardly against a portion of the stem member.

2,098,108
PRODUCTION OF POLYMERIZATION PRODUCTS OF VINYL ETHERS
Walter Reppe, Ludwigshafen-on-the-Rhine, and Erich Kuehn, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 19, 1935, Serial No. 32,276. In Germany July 26, 1934
11 Claims. (Cl. 260—2)

6. The process of producing polyvinyl ethers which comprises treating a vinyl ether with sulphur dioxide together with a small amount of an inorganic, practically anhydrous acid reacting substance.

9. Polymerized glycerol formaldehyde acetal vinyl ether.

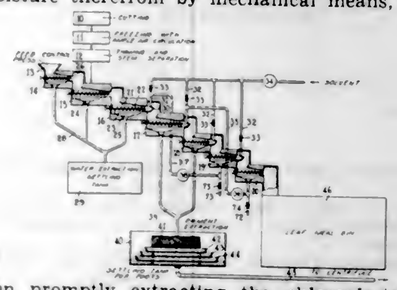
2,098,109
REVOLVING TRUNK
Julius Ritter, Jr., Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application March 23, 1936, Serial No. 70,230
1 Claim. (Cl. 248—129)



In a rotatable trunk having a rigid, integral bottom member, a base plate below said bottom member, said base plate being formed, inwardly of the surface adjacent the bottom, with a plurality of spaced, individual recesses, bearing brackets extending into said recesses, roller bearings journaled in said brackets within said recesses and coacting directly with a surface of said bottom, a supporting foot depending from the under side of the plate below each recess, common means for securing each bracket and foot thereadjacent directly to said plate, and a pivot bolt directly connecting said plate and said trunk bottom member.

2,098,110
PROCESS FOR EXTRACTING CHLOROPLAST PIGMENTS
Frank M. Scherts and Robert H. Van Sant, Washington, D. C.
Application December 29, 1933, Serial No. 704,572
4 Claims. (Cl. 87—28)

2. The method of extracting chloroplast pigments which includes freezing fresh vegetable matter containing chloroplast pigments to a temperature of not above —10 degrees centigrade, thawing the same, promptly removing excess moisture therefrom by mechanical means, and

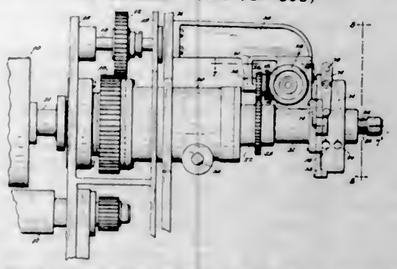


then promptly extracting the chloroplasts by repeatedly applying and expressing a liquid chloroplast solvent.

2,098,111
PROCESS FOR TREATMENT OF VEGETABLE FIBER
James S. Sconce, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, New York, N. Y., a corporation of New York
No Drawing. Application May 4, 1935, Serial No. 19,850
15 Claims. (Cl. 8—2)

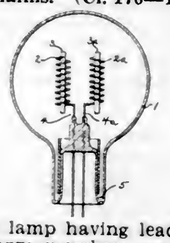
1. The treatment of vegetable fiber pulp which comprises subjecting it while in aqueous suspension to the action of chlorine in amount substantially in excess of that required for complete chlorination of the non-cellulosic constituents of the pulp, allowing the chlorine to react with the pulp to a point substantially short of complete exhaustion of the chlorine, adding lime to the pulp in amount sufficient to neutralize the acids formed, combine with the excess chlorine to form a hypochlorite and produce a pH in the suspension of not less than 8, allowing the hypochlorite to react with the pulp, washing the pulp, leaching the pulp with not less than one per cent of its weight of caustic soda and washing the pulp again.

2,098,112
RUNNING REGISTER
Frank S. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application April 22, 1936, Serial No. 75,705
15 Claims. (Cl. 74—395)



1. In a running register, a drum; a source of motive power for driving said drum; a positive drive connection from said source of motive power to said drum; means for angularly displacing said drum with respect to said motive power for obtaining adjustments therebetween through 360 degrees; and vernier adjusting means for angularly displacing said drum with respect to said motive power; said first and second means being operative while maintaining said positive drive connection from said source of motive power to said drum.

2,098,113
LAMP AND METHOD OF OPERATING SAME
Charles Spaeth, Flushing, N. Y.
Application February 6, 1932, Serial No. 591,305
Renewed February 24, 1936
19 Claims. (Cl. 176—122)

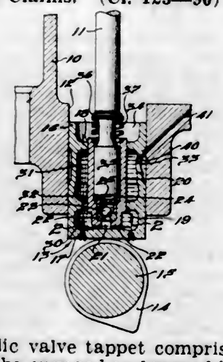


1. An electric lamp having lead-in wires and separated discharge members connected to said lead-in wires, the distance between said discharge members being greater than the distance between said lead-in wires, said discharge members including paramagnetic material.

2,098,114
PROCESS FOR SULPHONATING ALCOHOLS
Chester Merle Suter, Evanston, Ill., assignor of twenty-five per cent to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application October 17, 1935, Serial No. 45,505
7 Claims. (Cl. 260—99.12)

1. The process of making the sulphuric ester of an alcohol which comprises reacting sulphur trioxide with dioxane in the presence of a suitable solvent, and treating said alcohol with said reaction product.

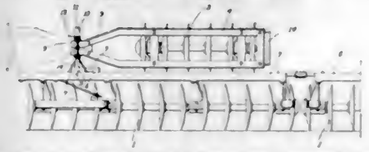
2,098,115
HYDRAULIC VALVE LIFTER
Carl Voorhies, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1936, Serial No. 63,187
15 Claims. (Cl. 123—90)



1. A hydraulic valve tappet comprising a casing adapted to be engaged and moved by a tappet operator, a cylinder in said casing, a piston in said cylinder, said cylinder having an inlet port,

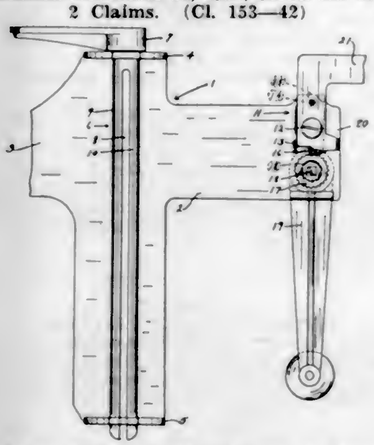
and means positioned within said casing and exteriorly of said cylinder for separating gas from liquid in said casing before it enters said cylinder port.

2,098,116
DISK HARROW
Frederick C. Warne, Mansfield, Ohio, assignor to Farm Tools, Inc., Mansfield, Ohio, a corporation of Indiana
Application September 23, 1936, Serial No. 102,107
10 Claims. (Cl. 55—81)



1. A sectionalized disk harrow comprising a main gang and an extension gang, means mounting the extension gang on the main gang in a manner to allow of the extension gang being first rocked in a vertical plane and then swung in a horizontal plane to a position parallel with and above the main gang, such means being then operable to lay the extension gang in an inverted position upon the main gang.

2,098,117
CAN ROLLER
William F. Warren, Ardmore, Okla.
Application November 13, 1933, Serial No. 697,749
2 Claims. (Cl. 153—42)



1. As an article of manufacture, a device for collapsing cans, comprising a frame adapted to be secured to a wall or table, a pair of integral bearings formed on the frame, aligned vertically, and spaced an equal distance from the main body of the frame; a cylindrical shaft split from its lower end to a point adjacent its upper end journaled in the bearings and adapted to be easily removed therefrom; and a crank rigidly secured to the upper end of said shaft for rotating the shaft.

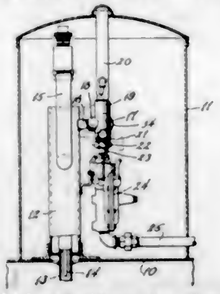
2,098,118
PRINTING UPON POROUS SHEET MATERIAL
John Sylvester Wheelwright, Tonbridge, England, assignor to J. S. Wheelwright Limited, London, England, a British company
Application July 16, 1935, Serial No. 31,674
In Great Britain July 17, 1934
1 Claim. (Cl. 101—426)

A method of printing porous sheet material consisting in uniting a plurality of porous sheets in surface contact with one another by means of gum uniting the lowermost sheet by gum to a non-porous sheet and applying a colour medium



to certain portions of the surface of the top sheet in quantity sufficient to penetrate all the sheets.

2,098,119
COMBINATION FITTING FOR GAS DISPENSING SYSTEMS
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas
Application October 19, 1936, Serial No. 106,461
5 Claims. (Cl. 137—78)



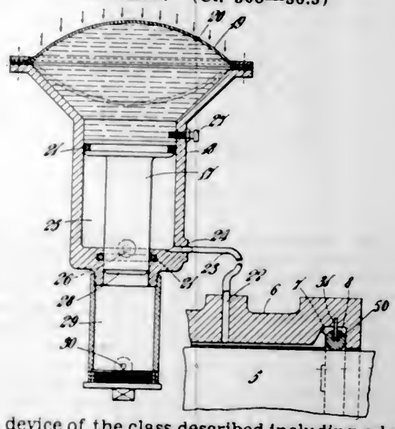
1. In a liquefied petroleum gas dispensing system having a gas conduit communicating with a storage tank, a combination valve fitting and service T having one branch connected to said conduit; a vent branch carrying a safety relief valve discharging to the atmosphere; and a service branch carrying an excess flow check valve.

2,098,120
STABILIZER FOR MOTOR VEHICLES
Elmer E. Williams, Hull, Tex., assignor of thirty-three and one-third per cent to C. A. Pedigo, Hull, Tex.
Application August 1, 1936, Serial No. 93,893
2 Claims. (Cl. 280—90)



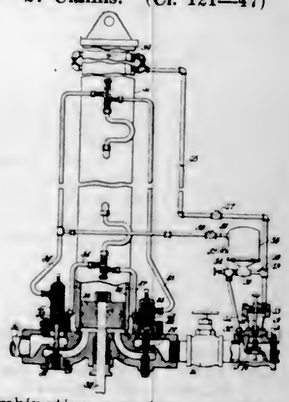
1. A stabilizer comprising a chamber having cylinders projecting from its respective opposite ends, each of said cylinders being provided with an external by-path and ports connecting the respective opposite ends of the by-path with its cylinder adjacent the respective opposite ends of the cylinder, a piston having a sliding fit in each cylinder, said piston having an opening therethrough, a valve controlling said opening, a spring tension device connected with the valve for yieldably seating the valve, a by-path valve associated with the port connecting one end of the by-path with its cylinder, a pair of vertical shafts journaled in said chamber, there being one shaft for each piston, each of said shafts being provided with an arm, and said piston having arms extending therefrom and pivoted at one end to the shaft arm.

2,098,121
BEARING
Cuthbert George Wilkinson, Kuala Sawah, Federated Malay State of Negri Sembilan
Application December 5, 1934, Serial No. 756,155
In Great Britain December 5, 1933
1 Claim. (Cl. 308—36.3)



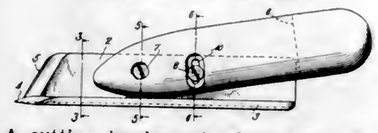
A device of the class described including a bearing comprising a bushing having a set of leads terminating in a groove and being adapted to communicate lubricant to the bearing surface, a second set of leads communicating with said first mentioned leads and the groove, a pin journaled in the bushing, a resilient ring adapted to fit about said pin, said ring having a recess, means for forcing fluid through the leads to the bearing, said ring being distortable into fluid tight engagement with the pin and the inner wall of the groove by external fluid pressure, and a guide pin carried by the bushing in the groove and engaged in the recess for preventing puckering of the ring.

2,098,122
MOTOR
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 25, 1934, Serial No. 708,260
27 Claims. (Cl. 121—47)



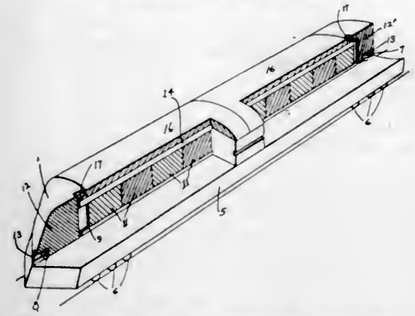
1. In combination, a motor, a supply line therefor, and means for closing said supply line upon predetermined deviation from its normal operating cycle by said motor including a stop valve in said supply line, means operative on supply of operating medium thereto for closing said stop valve, operating medium supply means for said stop valve closing means, pressure fluid controlled controlling means for said operating medium supply means operative when subjected to a predetermined pressure to preclude operating medium supply, and means for periodically supplying pressure fluid to said pressure fluid controlled controlling means during motor operation at a rate varying with the operation of the motor.

2,098,123
DEVICE FOR STRIPPING STRANDULAR MATERIAL FROM CIRCULAR HOLDERS
John T. Wood, West Asheville, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application October 1, 1935, Serial No. 43,080
3 Claims. (Cl. 28—19)



1. A cutting implement adapted for severing wound yarn bodies from their respective circular holders comprising a handle having a T-shaped cutting blade attached thereto, said cutting blade consisting of a base having an arcuate undersurface and a wedge-shaped cutting edge and an articulated upright portion consisting of a rear section in pivotal engagement with a forward section having a cutting edge to coact with said wedge-shaped cutting edge.

2,098,124
BLOCK TOY
William O. Yancey, San Francisco, Calif.
Application June 17, 1936, Serial No. 85,793
2 Claims. (Cl. 46—26)

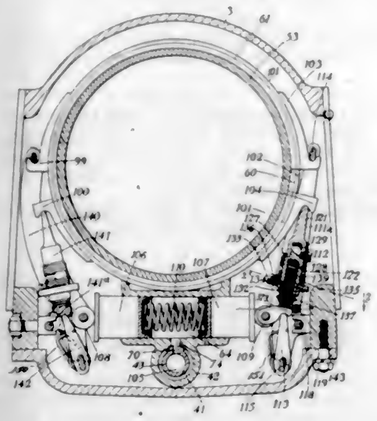


1. In a device of the character described, a base block, studs secured to said base block, end blocks provided with T-slots engaging said studs, a rail secured to said base block, body blocks engaging said rail, and roof blocks superimposed on said body blocks.

2,098,125
BAND-BRAKE ADJUSTING MECHANISM
Joseph Yoxall, Deganwy, North Wales, assignor to Propello Inventions Limited, London, England, a British company
Application April 10, 1935, Serial No. 15,671
In Great Britain June 29, 1934
10 Claims. (Cl. 188—79.5)

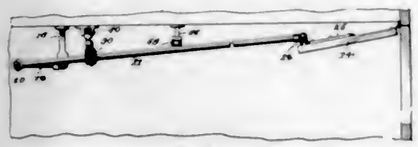
1. Self-adjusting mechanism for taking up wear in band-brakes comprising a drum, a brake-band, members movable to apply said brake-band on said drum, a bipartite member capable

of alteration in length by screwed adjustment of its parts, two axially separated self-lapping coil springs of opposite hand mounted one on each part of said bipartite member and serving,



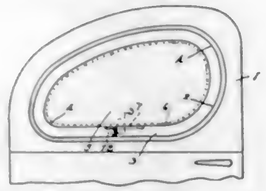
when the brake-band becomes worn a predetermined amount to produce alteration in length of said bipartite member, upon fully applying and releasing the brake-band.

2,098,126
BUS DOOR SAFETY LOCK BAR
Julius E. Zaitz, Hammond, Ind.
Application January 13, 1936, Serial No. 58,978
1 Claim. (Cl. 268—3)



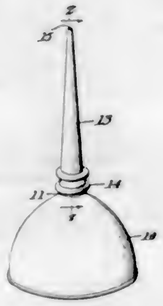
A door actuating device for busses of the class described comprising a pivotally mounted door, an arm pivotally mounted on the interior of said bus for swinging movement in a horizontal plane, a bar having one end pivotally connected to the free end of said arm and the other end pivotally connected to said door whereby upon movement of said bar in one direction the door is moved to closed position and in the other direction to open position, a depending handle on said bar disposed intermediate the ends thereof, a latch box adjacent said bar, a pivotally mounted latch bar in said box, a lever pivotally mounted adjacent said handle for actuating said latch bar, a pair of spaced U-shaped catch members disposed in said bus, said latch bar being cooperable with one or the other of said catch members for maintaining and locking the door in the closed or open position thereof, said catch members cooperable with said latch bar for maintaining the door in closed position, being provided with a hingedly mounted door in its lower position preventing the engagement of the latch bar with said catch members whereby said handle may be moved to a position to close said bus door without the engagement of the latch bar with said catch member.

2,098,127
FROST SHIELD
William F. Auger, Winnipeg, Manitoba, Canada
Application June 1, 1937, Serial No. 145,811
In Canada June 15, 1936
2 Claims. (Cl. 20—40.5)



1. The combination with a transparent glass plate having rounded corners, of a continuous, soft rubber, spacing element adhesively attached to one face of the plate and flexing to accommodate the corners of the plate, said element crossing the sides and ends of the plate and having its ends butting and having the exposed face of the element remote from the plate provided with a coating of normally non-adhesive material of a nature to be rendered adhesive by the wiping of the surface thereof with gasoline.

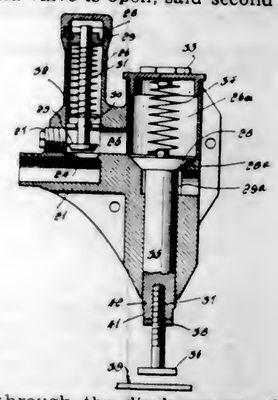
2,098,128
RUBBER OIL CAN SPOUT
Clarence M. Bailey, Baton Rouge, La.
Application September 11, 1936, Serial No. 100,355
1 Claim. (Cl. 221—32)



A rubber spout for oil cans, said spout having a rib at one end restricting the flexibility of the spout for clamping the spout upon the ribbed neck of an oil can, and a metal frusto-conical stiff nipple in the bore of the spout at said rib resisting distortion of the spout at the rib and maintaining the spout in unclogged condition by virtue of the tapered shape of the nipple at the neck of the oil can.

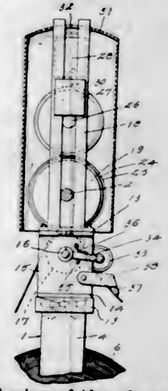
2,098,129
LOADED AND LIGHT CAR BRAKE
Wright H. Bell, Oneonta, N. Y.
Application April 1, 1937, Serial No. 134,410
4 Claims. (Cl. 303—22)

1. In combination with the air line of an air brake system of a vehicle, and a part displaceable according to the weight of a load, a valve operable to open under a predetermined pressure, a second valve, means on the part normally maintaining the second valve open, means providing communication with the atmosphere when the second valve is open, said second valve being



closable through the displacement of said part under the weight of a load.

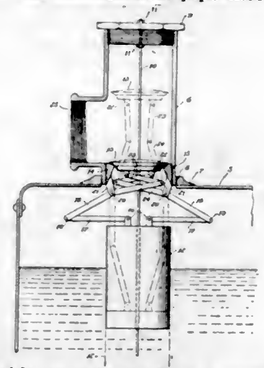
2,098,130
PAPER ROLL PRINTING ATTACHMENT
Hugh L. Binford, Houston, Tex., and Odie W. Putnam, Selma, Ala.
Refiled for abandoned application Serial No. 661,965, March 21, [illegible]. This application March 30, 1937, Serial No. 133,909
4 Claims. (Cl. 101—226)



1. A printing device of the character described, comprising a pair of brackets, an impression roll rotatably mounted therebetween, a pair of standards disposed in vertical spaced relation upon each bracket and constituting a bearing, a printing roll resting upon the impression roll and having end trunnions positioned in said bearings, an inking roll resting upon the printing roll and having end trunnions positioned in said bearings, an elongated receptacle overlying the inking roll, a wick extending from the interior of the receptacle to and wiping the surface of the inking roll, elements at the end of the receptacle for slidable engagement between the adjacent bearing standards, and means supporting the ends of the receptacle upon the underlying trunnions.

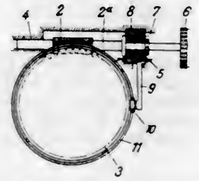
2,098,131
OVERFLOW PREVENTING DEVICE
William Bluhm, New York, N. Y.
Application September 18, 1936, Serial No. 101,505
6 Claims. (Cl. 137—104)

1. In an overflow preventing device, the combination of a body having an inlet pipe therein, a shaft extending through said pipe into said body,



a valve slidable on said shaft, and means within said body for actuating said valve on said shaft.

2,098,132
MECHANISM FOR PRODUCING ACCURATELY PITCHED CUTTING ON CIRCULAR WORK
Erich Büchholz, Berlin, Germany, assignor to Herbert Lindner, Berlin-Wittenau, Germany
Application December 16, 1935, Serial No. 54,780
In Germany January 18, 1935
1 Claim. (Cl. 90—1)

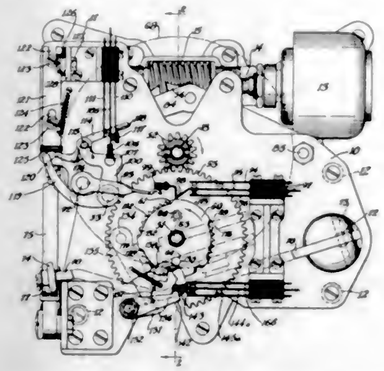


In a device for circumferentially operating upon a work piece, a rotatable table for supporting said work piece, a worm wheel carried by said table, a worm meshing with said worm wheel, a shaft carrying said worm, bearings supporting said shaft for revoluble and longitudinal movement of said shaft, and means carried by said table for longitudinally shifting said shaft in accordance with variations in the pitch of said worm wheel, said means being arranged to correct inaccuracies of the pitch of the worm wheel, said last means including a cam on said work piece support and extending continuously thereabout, journal means for supporting said shaft, means on said shaft for establishing definite longitudinal positional relation between said shaft and said journal means comprising a screw on said shaft and a nut fixed against longitudinal movement and mounted on said screw, and means to vary the longitudinal displacement of the shaft with respect to variations in the pitch of the teeth on the worm wheel, including an arm fixed to said nut and engaging said cam.

2,098,133
AUTOMATIC TELEPHONE ALARM
Ralph W. Carnahan, Shaker Heights, Ohio, assignor of one-fourth to Hyman Seegel and Samuel Seegel, both of Cleveland, Ohio; Adolph E. Emerman, executor of said Ralph W. Carnahan, deceased, assignor of three-fourths to Florence Carnahan, Cleveland Heights, Ohio
Application February 9, 1933, Serial No. 655,985
23 Claims. (Cl. 179—6)

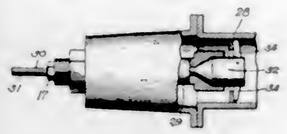
1. In combination with a telephone circuit,

alarm transmitting apparatus including means for automatically delivering a predetermined message over the telephone circuit, an initiating device for automatically starting the operation of said alarm transmitting apparatus by the presence of a person at a given point, and inhibiting



means including a circuit normally open at said given point and a conductor on the shoe of an authorized person for closing said circuit permitting an authorized person to approach said given point without operating said initiating device.

2,098,134
BEARING CUP EXTRACTING TOOL
Bennie Cook, Oklahoma City, Okla., and Edward C. Pfeffer, Corpus Christi, Tex.
Application November 13, 1936, Serial No. 110,754
1 Claim. (Cl. 29—88.2)

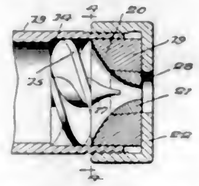


An extractor comprising a housing, a bearing carried by said housing, a hollow dog carrying member mounted in said bearing, a nut threaded to said dog carrying member and engaging the bearing, a rod extending through the dog carrying member, a head formed on said rod, a nut threaded to said rod and engaging the dog carrying member, and spring pressed dogs pivoted to said head and held collapsed by the dog carrying member until said member is freed thereof permitting said dogs to expand to engage with a grease retainer.

2,098,135
COMPOSITION FOR DESTROYING SUCKERS IN TOBACCO AND TOMATO PLANTS
Carl Onasorg Daughety, Ayden, N. C., assignor, by direct and mesne assignments, to Carolina Chemical Company, a corporation
No Drawing. Application January 19, 1937, Serial No. 121,375
4 Claims. (Cl. 47—1)

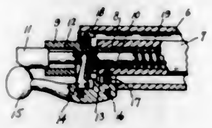
1. A substance for destroying suckers in tobacco and tomato plants, said substance containing essentially quantities of lubricating oil, linseed oil, creosote oil, gasoline, and fuel oil.

2,098,136
APPARATUS FOR USE IN MAKING CEMENT
Walter Dyckerhoff, Mainz-Amoeneburg, Germany
Application November 23, 1935, Serial No. 51,331
3 Claims. (Cl. 299—120)



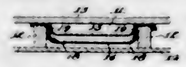
1. A nozzle for use in atomizing a slurry in a cement kiln comprising a nozzle casing, a mouthpiece at the end of said casing presenting a trumpet-like flaring bore, the narrow part of which forms the outlet, while the wide part has a diameter approaching that of said casing, a conical core member extending centrally into said bore to form therein an annular conduit of outwardly decreasing diameter, and spiral guiding means forming a plurality of spiral conduits of low pitch leading from said casing to said mouthpiece and extending each through an angle of less than 360°.

2,098,137
RIFLE
Otto Elfstrom, Valdez, Territory of Alaska
Application July 16, 1935, Serial No. 31,662
4 Claims. (Cl. 42—70)



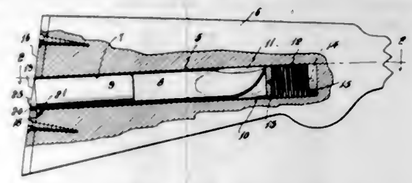
1. In a fire arm, a bolt, a firing pin operative in the bolt, a bolt shifting lever on the bolt, said bolt having an opening in one side thereof, said pin having an opening therein registerable with the opening in the bolt when the pin is in cocked position, said lever being pivotally connected to said bolt to swing longitudinally thereof, and a catch on the lever to enter the registering opening when the lever is swung to a position substantially parallel to the bolt.

2,098,138
MEANS FOR INSULATING BUILDINGS AND LIKE STRUCTURES
Joseph L. Finck, Washington, D. C., assignor of thirty per cent to I. Richard Paris, Washington, D. C.
Application September 23, 1932, Serial No. 634,604
17 Claims. (Cl. 72—16)



16. A building paper for walls having one or more air spaces, said building paper having the face thereof adapted to be disposed toward said air spaces coated with a thin layer of metal to minimize the passage of radiated heat through said air spaces.

2,098,139
GUN AND HUNTING KNIFE COMBINATION
Vernon Foley and James J. Henning, Portland, Oreg.
Application April 22, 1937, Serial No. 138,445
2 Claims. (Cl. 42—1)



1. In combination, a stock provided with a bore open at one end thereof, said stock having a notch in communication with the bore, a knife removably disposed within the bore, latch means on the knife removably engageable in said notch, a butt plate on the stock overlapping the notch, a plate on the knife, said butt plate having an opening aligned with the bore and normally occupied by the second mentioned plate, said second mentioned plate having an elongated slot, said latch means being a latch member slidable transversely of the knife, an operating pin passing through the elongated slot and connected to the latch member, and follower means within the bore engageable by the knife to protect it and insure alignment of the latch member with the notch.

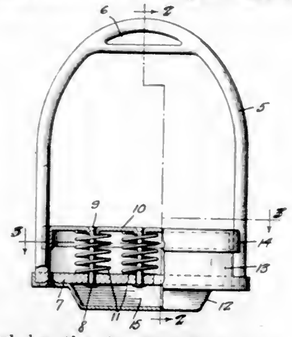
2,098,140
METHOD OF TUFTING AND ARTICLES THEREFOR
Annette Fridolph, New York, N. Y., assignor to A. B. A. Specialties Company, Inc., New York, N. Y., a corporation of New York
Application June 8, 1931, Serial No. 542,799
14 Claims. (Cl. 5—356)



1. The method of tufting mattresses, upholstery and the like, which includes passing one end of a completely preformed unitary tufting element comprising a flexible body with a substantial tufting head connected to each end thereof through the article being tufted by means of a needle or the like while the article is under compression so that said tufting heads will upon release of the compressed parts of the article each be caused to automatically engage opposite faces of the article being tufted with the body of the tufting element passing through the article being tufted.

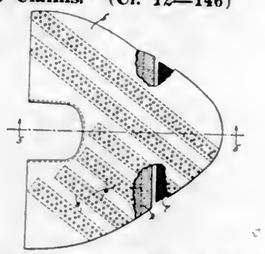
2,098,141
STIRRUP
Edward Galbreath, Auxvasse, Mo.
Application January 9, 1937, Serial No. 119,851
2 Claims. (Cl. 54—48)

1. A stirrup of the kind described comprising a body frame, a displaceable foot plate slidably fitting said body frame, posts fixed in said plate and slidable in the lowermost portion of the frame, springs about said posts and yieldably holding the foot plate, and a two-part housing, one part being formed by the plate and the other



part carried by the lowermost portion of the frame to enclose the posts and springs.

2,098,142
METHOD OF MAKING SHOES
Charles A. Green, Hannibal, Mo., assignor to International Shoe Company, St. Louis, Mo., a corporation of Delaware
Application December 16, 1933, Serial No. 702,741
5 Claims. (Cl. 12—146)

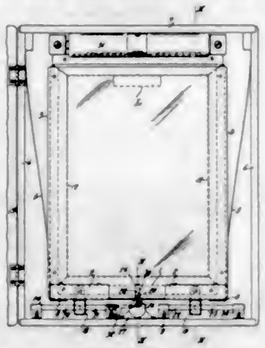


1. The method of making a shoe vamp structure which comprises adhesively attaching a rear vamp lining member to the inner surface of a vamp member, forming series of perforations through said members and through said vamp member forwardly of said lining member, attaching a reinforcement to the inner surface of the vamp member in advance of said lining member, applying ornamental stitching through said vamp member and said lining member and through said vamp member and said reinforcement, securing a toe lining member to said rear lining member in a manner to form a smooth joint at the point of attachment, and then interposing and adhesively securing a box toe between the toe portion of the vamp member and the toe member of the lining.

2,098,143
ADVERTISING OR DISPLAY DEVICE
Hamilton Grey, London, and Arthur Samuel Waddington, Crayford, Kent, England, assignors to Le Vane's Patents, Limited, London, England
Application March 17, 1936, Serial No. 69,370
In Great Britain April 2, 1935
11 Claims. (Cl. 40—139)

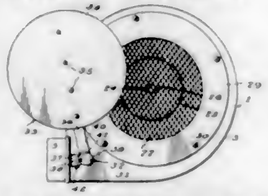
10. An advertising or display device comprising in combination an opaque casing member provided with opposed front and rear openings, transparent members closing the said openings, a sheet of transparent material having a device to be displayed applied thereto and movable therewith, means which are located within the

casing and support the sheet for movement within the casing and with its faces between the said openings, and means, located within the casing, operating to effect movement of the said sheet,



the said casing masking from view the supporting means, the moving means and also the edge of the sheet in all positions to which it is moved, when viewed through the front opening.

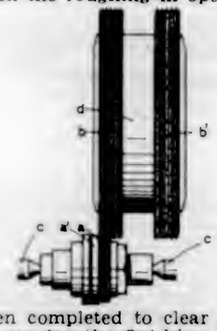
2,098,144
AIR CONTROLLING DEVICE FOR BLOWERS
John Hanus, Appleton, Wis.
Application July 20, 1936, Serial No. 91,582
2 Claims. (Cl. 230—114)



1. In an attachment for controlling the intake of air to a blower of that type having one of its sides formed with means spaced inwardly from the top, bottom, front and rear thereof to provide a screened air intake, the combination of a stud for connection to the lower portion of said side, said stud being spaced outwardly adjacent to and extending beyond said means, a disc for extension across said intake for varying the area of the latter, said disc being movable in an arcuate path and of greater area than said intake, an upstanding carrier having its upper portion fixed to said disc for suspending the latter permanently in a position to extend across said intake, said upper fixed portion of the carrier disposed diametrically of that face of the disc which opposes the intake, said carrier being adjustably mounted at its lower end on said stud, and means for releasably securing said carrier stationary in its adjusted position.

2,098,145
METHOD OF GRINDING SCREW THREADS IN SHOULDERED WORK
Stanley Jaffa Harley, Stivichall, Coventry, England
Application November 21, 1935, Serial No. 50,949
In Great Britain November 26, 1934
2 Claims. (Cl. 51—278)

1. The method of grinding screw threads in shouldered work which consists in causing a roughing in grinding surface and a finishing grinding surface to rotate as a unit, causing said roughing in grinding surface to engage the face of the work, causing relative axial movement between the work and said roughing in surface during the entire operation of said roughing in surface upon the work, causing relative radial movement between the grinding surfaces and the work when the roughing-in operation of the



work has been completed to clear the shoulder on the work, causing the finishing grinding surface to operatively engage the work after the roughing-in grinding operation has been completed, and finally causing relative axial movement between the work and the finishing grinding surface during the entire operation of the latter upon the former.

2,098,146
POST DRIVER
Ernest Hunt, Globe, Ariz.
Application August 15, 1936, Serial No. 96,278
2 Claims. (Cl. 61—73)

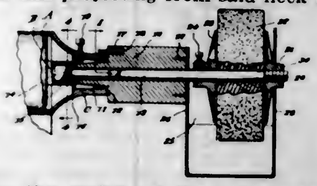


1. A fence post driver comprising a hammering tube provided with a reduced lower end, and a guide sleeve removably secured to said reduced end and having guide ribs extending inwardly below the bottom of the tube and adapted to engage between the angularly disposed web and flange of a T-post.

2,098,147
GRINDER ATTACHMENT
Ernie L. Hussmann, Selling, Okla.
Application July 16, 1936, Serial No. 91,016
1 Claim. (Cl. 51—241)

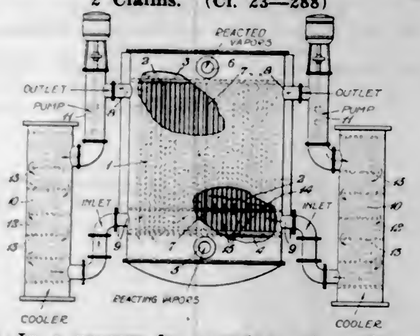
In combination with a driving unit having a casing formed with an open ended socket and a rotor having a shaft formed with a socket aligned with the inner end of the socket of the casing, a grinder comprising a sleeve having a reduced neck at its inner end fitting into the socket of the casing and disposing the inner end of the sleeve

close against the outer end of the socket, a cam screw threaded into the inner end of said sleeve in radial spaced relation to the bore thereof and projecting from the sleeve longitudinally thereof in overlapping and gripping engagement with the socket of the casing to hold the sleeve stationary, a set screw carried by the socket of the casing radially thereof and gripping said neck, a driven shaft journaled through the bore of said sleeve with one end projecting from said neck and en-



gaged in the socket of the rotor shaft, said driven shaft having its other end portion projecting from the outer end of said sleeve, a grind stone carried by the outwardly projecting position of said driven shaft, a water pan about the lower portion of said stone having inner and outer side walls perforated to receive the driven shaft, the inner side wall being firmly secured against the outer end of said sleeve and maintaining the water pan in operative relation to the grind stone.

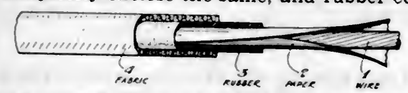
2,098,148
VAPOR PHASE CATALYTIC PROCESS AND APPARATUS
Carl H. B. Jarl, Royal Oak, Mich., assignor to Beck, Koller & Company, Inc., Detroit, Mich.
Application February 26, 1937, Serial No. 127,979
2 Claims. (Cl. 23—288)



1. In a process for carrying out exothermic vapor phase reactions in a converter, which includes a plurality of tubes through which the reacting vapors are passed, which tubes are surrounded by a heat transfer medium, said process including circulating the transfer medium through an outside cooler and returning the cooled transfer medium to the converter at the hot end thereof; the improvement which comprises passing said transfer medium through restricted openings located just prior to the zone of highest temperature so as to provide substantially uniform distribution of the cooled bath fluid adjacent the catalytic reaction zone.

2,098,149
LAMP CORD
John H. Jewell and Owen A. McNamee, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 1, 1931, Serial No. 541,414
9 Claims. (Cl. 173—264)

1. The combination of a conductor made from a plurality of uninsulated wires laid spirally together, a paper strip laid longitudinally directly on said conductor and folded thereabout so as to completely enclose the same, and rubber com-



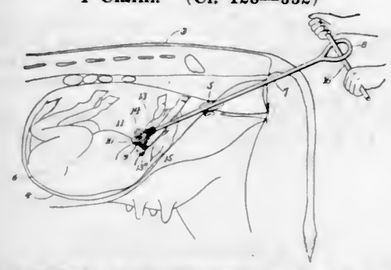
pound applied over said paper strip to form an insulating covering, said paper strip being sufficiently strong to split said insulating covering when pulled at an angle to said conductor.

2,098,150
LOCK
Theodore H. Johnstone, Detroit, Mich.
Application October 30, 1933, Serial No. 695,759
19 Claims. (Cl. 70—419)



1. In lock structure, the combination of a casing, a cylinder rotatable in said casing and having tumblers therein with means tending to project said tumblers outwardly beyond the cylinder periphery, a sleeve rotatably journaled in said casing and surrounding said cylinder and having a slot for receiving the ends of the projected tumblers, said cylinder when said tumblers are withdrawn by the insertion of a proper key being rotatable without causing turning movement of said sleeve, locking means within said casing and means to cause operation thereof to lock the cylinder against turning, and means whereby said sleeve will prevent operation of said locking means when said cylinder is turned after withdrawal of the tumblers from the sleeve slot.

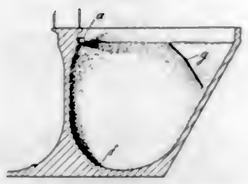
2,098,151
VETERINARY INSTRUMENT
Arthur H. Junge, Reedsville, Wis.
Application April 2, 1935, Serial No. 14,328
1 Claim. (Cl. 128—352)



In a veterinary instrument; a straight, elongated revoluble metallic stem having an integral endless part at its rear end forming a loop for the passage of a revolving means for the stem and an integral flat oppositely flared head part at its other end formed with curved side edges, said head part being provided intermediate its ends with an opening, a metalic chain extending through said opening, a removable metallic ring attached to one end of said chain and coacting with the head part for connecting the head part and chain together, said chain adapted to have a portion thereof wind on said stem, on the revolving of the latter and an enlarged metallic link

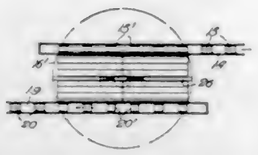
carried by the other end of said chain for the passage of a stretch of the latter and coacting with said stretch to form an adjustable metallic loop adjacent that portion of the chain wound on said stem.

2,098,152
TREATMENT OF SEWAGE AND OTHER WASTE LIQUORS
Herman Joseph Nicolaas Hubert Kessener, The Hague, Netherlands
Application September 27, 1935, Serial No. 42,518
In Great Britain October 6, 1934
7 Claims. (Cl. 210—8)



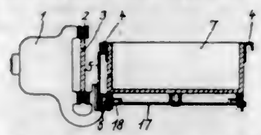
1. An apparatus for aerating sewage and other liquids, comprising a liquid containing tank, a shaft in a substantially horizontal position, means for rotatably supporting said shaft with its axis above the surface of the liquid in the tank, a plurality of aeration elements extending outwardly from said shaft, said aeration elements extending in a direction such that the acute angle between at least the outer portion of each aeration element and the horizontal as the said element enters the liquid, is less than the acute angle between the horizontal and a line passing through the outer end of the said aeration element and passing at right angles through the axis of the shaft, and means for correspondingly rotating said shaft in such a direction that each such line shall be in arrear of its corresponding aeration element, whereby the upper portion of the liquid is projected into the air in a flattened trajectory, and the main body is maintained in motion in a substantially circular path.

2,098,153
PUSH BENCH METHOD AND APPARATUS
Gavin Smellie McLay, London, England, assignor, by mesne assignments, to Stewarts and Lloyds, Limited, Glasgow, Scotland, a company of Great Britain
Application September 25, 1935, Serial No. 42,103
In Great Britain November 15, 1934
2 Claims. (Cl. 205—4)



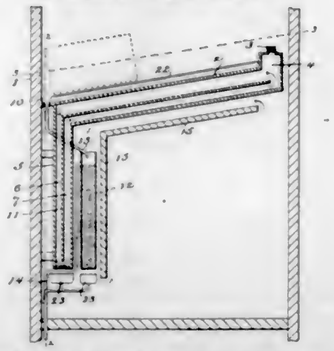
2. The combination with push bench apparatus and stripping means to remove a tube from a mandrel of a longitudinally divided turntable for reversing the mandrel, means for feeding a mandrel from the stripping means to one side of the divided turntable and means for simultaneously feeding a mandrel from the other side thereof back to the push bench apparatus.

2,098,154
TRANSFER DEVICE
Hans Mauch, Berlin-Charlottenburg, Germany, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co., G. m. b. H., Berlin, Germany
Application October 13, 1933, Serial No. 693,432
In Germany October 17, 1932
5 Claims. (Cl. 104—48)



1. A transfer system for conveyor plants comprising in combination, several tracks, each having a point of transfer in common with one of the other tracks, conveying elements running on said tracks, a container holding device on each of said conveying elements, a circulating chain surrounding each container at the bottom thereof and having parallel runs, a bar on each conveying element adapted at the point of transfer between two containers to engage and drive the circulating chain on the container carried by another conveying element, a lock element on each container adapted to engage opposite runs of the circulating chain when no transfer is being made, and means on each conveying element adapted to disengage the lock element when transfer is about to be made on the container of another conveying element.

2,098,155
REFRIGERATED CABINET
Vicente Miñana and Julio Armando Gallano, Buenos Aires, Argentina
Application December 3, 1934, Serial No. 755,814
Renewed June 24, 1937
2 Claims. (Cl. 62—53)



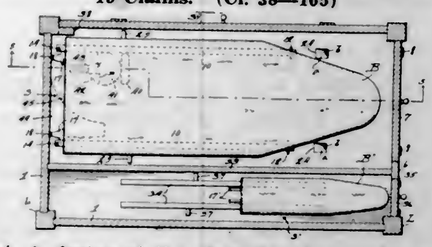
1. A refrigerated cabinet including an elongated vessel extending over the top and one side of a food chamber, said vessel being designed to contain a refrigerant and being arranged in the cabinet, with one part of said vessel arranged over the top of the food chamber and inclining downwardly toward a second part of said vessel, which latter is arranged at one side of the food chamber and extends vertically of the cabinet, a partition within the vessel dividing it into two chambers, the partition at the ends being free of connection with the vessel to permit communication between the chambers at the respective ends of the vessel, a collecting chamber at the upper part of the vessel, said vessel and chamber forming a closed thermo-siphon circuit, that portion of the vessel extending over the top of the food chamber serving as a support for a solid refrigerant.

2,098,156
IDENTIFYING MEANS FOR AUTOMOBILES AND THE LIKE
Jens P. Nielsen, Takoma Park, Md.
Application March 11, 1937, Serial No. 130,384
6 Claims. (Cl. 40—2.2)



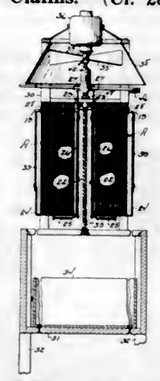
1. In combination with a wall of a vehicle body, an identifying plate overlying said body, spacing members interposed between said wall and plate, said members being non-rotatable with respect to the wall, said spacing members each having a bore, a portion of which is angular in cross section, headed members insertible from without through the plate, spacing members and wall of the body, said headed members having angular portions fitting within the angular portions of the bores of the spacing members to hold the headed members against rotation, and holding means engaged with the headed members at the inner side of the wall of the body.

2,098,157
COMBINED TABLE AND IRONING BOARD
George Friederick Nurenberg, Trenton, N. J.
Application March 31, 1936, Serial No. 71,968
15 Claims. (Cl. 38—105)



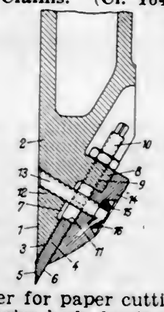
4. A device of the character described comprising a structure including a top member, a panel supported therebeneath and spaced therefrom to provide a compartment, an ironing board movable within said compartment, rails carried by said ironing board for direct endwise sliding movement with respect to the board, outstanding members carried by the rails for contact with parts of the structure to limit the outward movement of the board, and coacting means carried by the board and rails for limiting the outward relative sliding movement between the rails and board, said board being freely supported upon the panel when the board is within the compartment.

2,098,158
BANK STATEMENT SHEET AND CARBON SEPARATING APPARATUS
Joseph A. O'Neill, Toledo, Ohio
Application July 31, 1936, Serial No. 93,729
10 Claims. (Cl. 282—1)



1. A device of the character described comprising an upstanding open frame having a box-like receiver, cross bars built within said frame above the receiver and accessible from opposite sides of said frame, racking plates removably suspended from said bars and having cleat flanges at opposite sides thereof, frontal housings slidably interfitted with said plates at the cleat flanges thereof, racking pins on said plates and having slip latched clamping bars, an electric motor type fan above the housings, a hood about the fan for directing draft therefrom downwardly in the direction of the housings, and rotatable brushes movable into engagement with work when upon the pins and rotated by the fan.

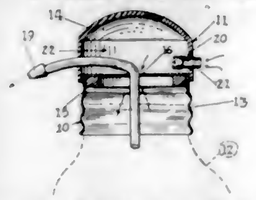
2,098,159
CUTTING DEVICE
Kuno Peiseler, Leipzig, Germany, assignor to Karl Biagosch, Leipzig, Germany
Application August 23, 1935, Serial No. 37,559
In Germany May 25, 1935
6 Claims. (Cl. 164—58)



1. In a cutter for paper cutting machines and the like, a carrier body having a wedge-shaped lower edge portion, the front face of said wedge portion being vertical and the rear face thereof being inclined at an acute angle to said front face, said body having a rib extending longitudinally of the rear face of the body and spaced from said edge portion, a clamping plate, said clamping plate having upper and lower inner faces parallel to the rear face of the body, the upper face of said clamping plate being offset and seating against the outer face of said rib, clamping screws connecting said body and clamping

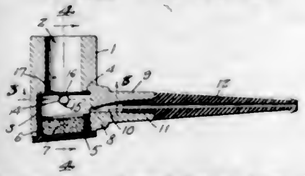
plate between said rib and said edge portion of said body, a cutter blade held between the lower portions of said body and plate and having a beveled cutting edge and parallel front and rear faces, and adjusting screws passing through said rib and engaging the upper edge of said blade.

2,098,160
DISPENSING DEVICE
Palmer L. Perritt, San Francisco, Calif.
Application February 25, 1935, Serial No. 8,141
1 Claim. (Cl. 299—96)



In a device of the class described, a liquid container, a screw cap member therefor, a resilient washer fitted in the upper end of said screw cap and having a perforation formed therein, an ejector tube extending through the perforation in said washer and having a spray nozzle formed at its outwardly bent end, a resilient ejector element fitted over the upper edge of said screw cap and forming a chamber above said washer, and a ball check valve fitted through one side of said resilient element, whereby when pressure is applied to said ejector element, fluid is forced from the container through said ejector tube, thereby simultaneously closing said check valve, and when said ejector element is released, said check valve opens, allowing a charge of air to enter the chamber for the next ejecting operation.

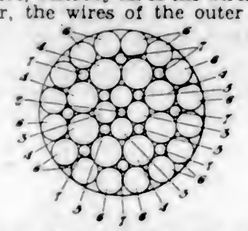
2,098,161
TOBACCO PIPE
Frederick Pilant, Granby, Mo.
Application April 13, 1936, Serial No. 74,185
1 Claim. (Cl. 131—12)



A tobacco pipe comprising a bowl having a bore reduced to provide a shoulder therein, a tube having open ends and bridging the bore for disposal through the wall of the bowl, a grate seated on the shoulder and held accordingly by the tube engaging the underside thereof, said grate being spaced from the bottom of the bowl to provide a chamber, said tube having an opening in the underside thereof to be directed toward the chamber, a stem on the bowl and having its bore communicating with the chamber, and a mouth piece secured to the stem.

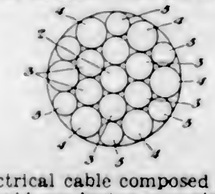
2,098,162
ELECTRICAL CABLE
Malcolm W. Reed, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 30, 1935, Serial No. 56,821
11 Claims. (Cl. 117—58)

1. An electrical cable composed of at least one conductor, said conductor comprising a plurality of wires wound helically around a core in three concentric layers of the same pitch or lay with fillers positioned between each of the respective layers, whereby all of the wires track with one another, the wires of the outer layer each



being larger in diameter than the wires of the inner layer but smaller in diameter than the wires of the intermediate layer, each of said conductors having a volume efficiency of approximately 85 per cent.

2,098,163
ELECTRICAL CABLE
Malcolm W. Reed, Shaker Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 2, 1936, Serial No. 57,297
12 Claims. (Cl. 117—58)



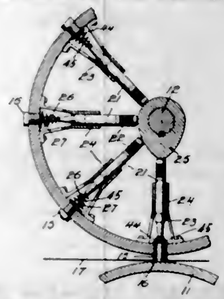
1. An electrical cable composed of at least one conductor, said conductor comprising a core and a plurality of wires wound helically about the said core in two concentric layers of the same pitch or lay, whereby all of the wires track with each other, the core wire and one-half of the wires of the outer layer of wires being of the same diameter, the wires of the inner layer being smaller in diameter than one-half of the wires of the outer layer and larger in diameter than the other half of the wires of said outer layer.

2,098,164
PARCEL CHECK
William A. Rice, Richmond, Va.
Application May 14, 1935, Serial No. 21,462
2 Claims. (Cl. 40—21)



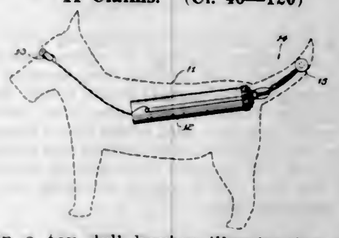
1. A parcel check comprising a body portion of uniform width adapted to be folded on itself, a passenger stub detachably attached to the body portion and having an identifying indicia thereon, similar identifying indicia on the body portion at the other end thereof, and an adhesive area on the body portion directly underlying the identifying indicia in the gummed position and on the opposite face of the body portion which is adapted to be gummed to the body portion after the body portion is folded on itself to affix the check to a parcel, whereby danger of re-use of the check is minimized.

2,098,165
PRINTING AND CUTTING MACHINE
John W. Riggenbach, Fall River, Mass.
Application August 24, 1936, Serial No. 97,682
5 Claims. (Cl. 101—226)



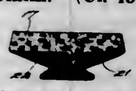
1. A machine of the character described comprising a frame, a roller rotatably supported in the frame and having peripheral printing reliefs, a bed roller beneath said first-named roller and rotatably supported in said frame, a plurality of punches within said first-named roller and working through said reliefs, and means interiorly of the first-mentioned roller for operating the punches successively at a determined point of rotation of said first-mentioned roller.

2,098,166
TOY EYE-BLINKING AND TAIL-WAGGING DEVICE
Henry Rubenstein, New York, N. Y.
Application July 30, 1936, Serial No. 93,502
11 Claims. (Cl. 46—120)



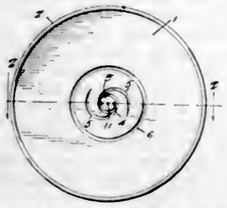
1. In a toy doll having illuminating eye elements, the combination of a source of electric current and a vibratory switch in circuit with said current source and said illuminating eye elements, said vibratory switch comprising a resilient arm anchored at one end and weighted at its opposite end and adapted to alternately close and open an electric circuit including said eye elements upon being impacted to simulate the blinking of said eye elements, said arm being rendered resilient by being formed of metal under torsion.

2,098,167
CARBIDE LAMP
Charles W. Schafer, Galena, Kans.
Application August 24, 1936, Serial No. 97,694
1 Claim. (Cl. 48—4)



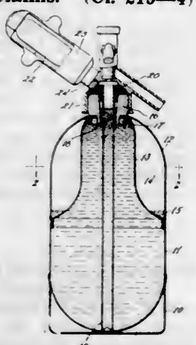
A filtering pad for a carbide lamp having a carbide container, a water font separably connected with said container and a feed water tube leading from the font to said container comprising a spongy porous body having an opening receiving said tube and fitted in the separable joint between the container and font for the sealing of said joint, a solid rubber sleeve fitting the opening in the said body and snugly embracing the tube, the said sleeve being extended below the body and having an enlarged annular formation providing a circular rim with a sloping upper face beneath said body, the body at its under face being downwardly tapered, and an impervious facing over substantially one-half of the diameter of the said downwardly tapered under face of the body.

2,098,168
SPINNING TOY
Edgar J. Sperry, Atlanta, Ga.
Application April 23, 1935, Serial No. 17,858
3 Claims. (Cl. 46—47)



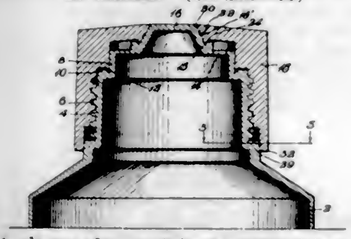
1. A toy comprising a spinning element adapted to be thrown in the air and having a central recess and indentations disposed in the recess, pointed means to be received in any one of some of the indentations for spinning said element thereby and in one indentation for the element to spin thereon, guide ribs formed on the spinning element and communicating with the recess for directing the spinning element on the pointed means to receive the latter in the recess, and the spinning element having an annular groove therein surrounding the ribs and recess and adapted to receive the pointed means therein.

2,098,169
SODA SIPHON
Daniel C. Stewart, Astoria, Long Island, N. Y.
Application July 20, 1936, Serial No. 91,592
5 Claims. (Cl. 215—4)



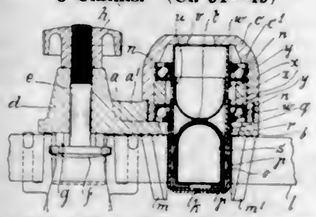
1. A siphon container for charged water comprising a bottle composed of sheet metal sections secured together; an annular vase secured in the upper part of the bottle having an opening at its lower end portion leading into the water compartment and providing an air chamber; and a screw threaded metal neck on the bottle removably to receive a siphon head.

2,098,170
CLOSURE FOR CONTAINERS
Charles C. Teas, Dallas, Iowa, assignor to Collapsible Tube Closures Inc., Olympia, Wash., a corporation of Washington
Application March 16, 1937, Serial No. 131,241
15 Claims. (Cl. 221—60)



1. A closure for containers, comprising a neck member, and a cooperating cap member for rotary engagement with the neck member, one of said members being slightly resilient and normally substantially circular, one of said members being provided with means adapted to bear against the other as they are turned into engagement with each other so as to distort the resilient member out of is normal shape, such distortion serving to increase the frictional grip of the resilient member on the other member.

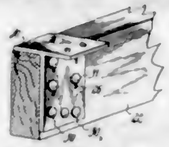
2,098,171
IMPREGNATING AND FRESHING-UP DEVICE FOR DRY INK RIBBONS OF TYPEWRITING MACHINES
Eugen van de Voorde, Bremen, Germany
Application March 18, 1936, Serial No. 69,598
In Germany December 6, 1935
8 Claims. (Cl. 91—49)



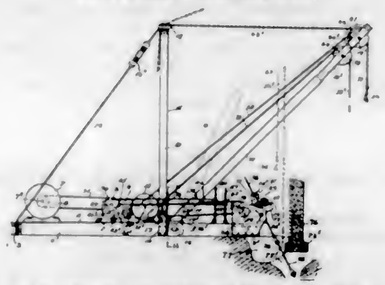
1. In a typewriter ribbon impregnating device, a pivotally adjustable arm having a guide hub at one end, a threaded bolt projecting upwardly through said hub and having a head on its lower end provided with a flat side, a locking plate projecting downwardly from said arm and bearing against the flat side of said head, a casing carried by said arm, an impregnating roller projecting downwardly from said casing, and means for guiding a typewriter ribbon around said roller.

2,098,172
METAL SUPPORTING DEVICE FOR BUILDING CONSTRUCTION
Frank R. Walker, Glencoe, Ill.
Original application October 25, 1934, Serial No. 749,995. Divided and this application May 16, 1936, Serial No. 80,146
9 Claims. (Cl. 20—95)

1. A supporting unit for building construction to overcome the damaging effect coincident to the shrinking of beams or joists, comprising a shoe for supporting a structure superposed above the beam or joist, said shoe having a transverse member at its upper end on which the superposed structure rests and holes at the lower end thereof, the holes receiving the fastening means for rigidly securing the shoe to near the lower edge of the beam or joist whereby to allow for shrinking of the beam or joist between the top and bottom thereof while maintaining the superstructure supported on the shoes and the ceiling at the under side of the joists at their original heights.

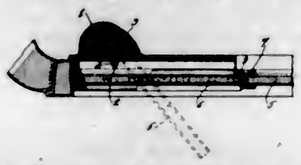


2,098,173
EXCAVATING AND HOISTING MACHINE
George E. Baldry, Winnipeg, Manitoba, Canada
Application January 2, 1937, Serial No. 118,885
In Canada November 21, 1935
10 Claims. (Cl. 255—23)



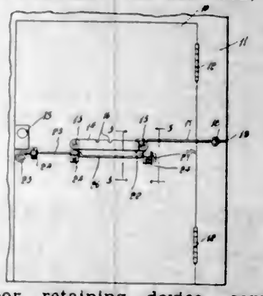
1. In a device for manipulating an earth boring tool, a support having an open ended slot therein, a flexible tool driving line passing from the tool upwardly through the slot, a line driving wheel slidably receiving the line and rotatably carried by the support, said wheel being demountable from the support to permit of the freeing of the line from the support by a lateral movement through the slot and a source of power for driving the mounted wheel.

2,098,174
VEHICLE WINDOW SCREEN
Bernice F. Giberson, Superior, Wis.
Application June 26, 1936, Serial No. 87,561
1 Claim. (Cl. 156—14)



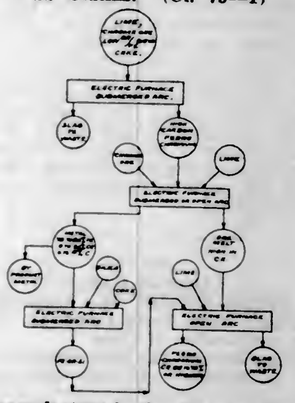
A protector comprising a frame constructed from a narrow flat strip of metal shaped to fit a window frame of a motor vehicle and having slots opening outwardly through an edge thereof to receive fasteners of the window frame, a screen carried by the first-named frame, said screen having an offset portion to provide a space in which a portion of a window panel may swing, and a flange formed on the first-named frame opposite from said offset portion to engage a guide post of the window frame.

2,098,175
DOOR HOLDER
John Harrison, Malad City, Idaho
Application January 28, 1937, Serial No. 122,828
4 Claims. (Cl. 292—271)



2. A door retaining device, comprising a notched plate, a latch member adapted to engage said notches, a releasing member arranged substantially parallel to said plate and having an offset portion forming a lever to engage the free end of said latch member to release it from said notches.

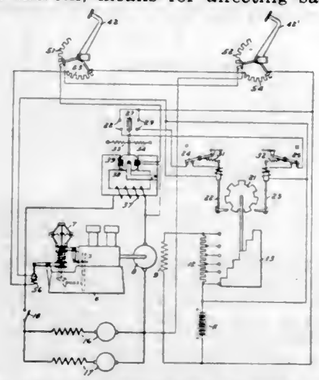
2,098,176
MANUFACTURE OF CHROME ORE PREPARATIONS
Marvin J. Udy, Niagara Falls, N. Y.
Application March 19, 1934, Serial No. 716,433
22 Claims. (Cl. 75—1)



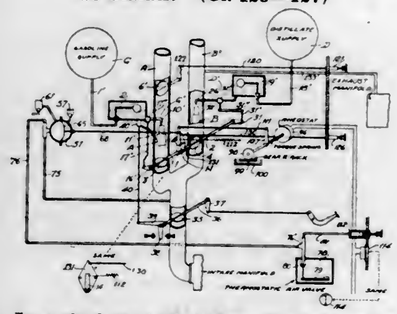
4. A manufactured chrome ore preparation adapted for reduction by ferrosilicon in smelting to produce low carbon ferrochromium of high chromium content which consists of an altered natural chrome ore of the ferrous chromite type containing the greater part of its original chromium oxid content and having substantially all its iron oxid removed therefrom and containing calcium chromite replacing the original ferrous chromite, being of a fused glassy character and chemically basic.

2,098,177
ELECTRIC DRIVE SYSTEM
Theodor Buchhold, Mannheim-Neuostheim, Germany, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application September 16, 1932, Serial No. 633,469
In Germany September 16, 1931
10 Claims. (Cl. 290—17)

3. In a system of the character described, in combination, a prime mover having means operated thereby for governing the supply of operating fuel thereto, an electric current generator driven by said prime mover, a load circuit supplied with energy by said generator, an excitation circuit for said generator having a resistance included therein, means for affecting said resistance to vary the excitation of said generator, means operable responsive to and in dependence upon changes in power supplied by said generator to the first said circuit for controlling operations of the second said means, and means for modifying at will the operations of the first and third said means.



2,098,178
FUEL CONTROL SYSTEM
Herbert M. Corse, near Green Cove Springs, Fla.
Application May 29, 1933, Serial No. 673,520
28 Claims. (Cl. 123—127)

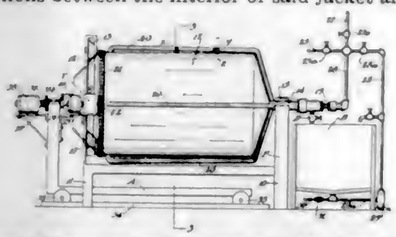


1. In a fuel control system for internal combustion engines using more than one fuel, carbureters including Venturi means, a throttle means, proportioning mechanism controlled by the depression between said Venturi means and the said throttle means for varying the proportions of the fuels supplied to the combustion chamber of the engine, and means for retarding the change in proportions as the engine throttle is opened.

2,098,179
COMBINED PASTEURIZER, CHURN, AND BUTTER-WORKER
Joseph G. Devenney, Minneapolis, Minn.
Application December 12, 1934, Serial No. 757,117
3 Claims. (Cl. 31—33)

2. In a combined pasteurizer and butter churn, a drum mounted for revolution on a horizontal axis and comprising an inner container casing of substantially oval cross sectional shape, said

inner casing having a smooth interior entirely free from working mechanism and restrictions, an outer casing spaced from said inner container casing and surrounding the greater portion of the peripheral wall thereof to form a jacket for containing a temperature conditioning fluid, connections between the interior of said jacket and a



source of temperature conditioning fluid whereby a circulation of such fluid may be effected during revolution of said drum, and means for revolving said drum at a speed which in view of the oval cross sectional shape of said container casing will produce a wave roll churning action upon the contents of said container casing.

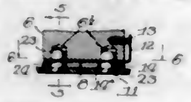
2,098,180

HAIR CLIPPER

James W. Dilks, Chicago, Ill., assignor to Moore Electric Corporation, Chicago, Ill., a corporation of Illinois

Application December 14, 1936, Serial No. 115,655

9 Claims. (Cl. 30—221)



8. A hair clipper comprising a clipper head, a cutter assembly, driving mechanism carried by said body adapted to actuate said cutter assembly, and means for detachably securing said head and cutter assembly, comprising a plurality of spaced lugs extending from said assembly, a member slidably mounted on said head having shoulder portions adapted to engage said lugs, said member terminating in an angled portion extending along a side of said head, and spring means disposed in said head bearing against said angled portion and yieldingly holding said shoulder portions in engagement with said lugs.

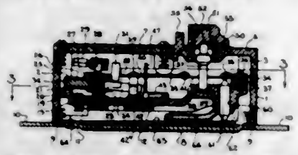
2,098,181

ELECTRIC SWITCH

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 9, 1934, Serial No. 714,743

24 Claims. (Cl. 200—138)



1. A device of the character described, comprising a base member, a supporting member adjustably mounted at one end on said base member, a permanent magnet adjustably supported on said supporting member and extending longitudinally thereof, means to move said magnet relative to said supporting member, a contact member on said supporting member adjacent the inner end of said magnet, a contact carrying arm pivotally secured at one end to said supporting member and extending longitudinally thereof into spaced overlying relation to said magnet and said contact member, a contact member carried by said arm and cooperable with said first-named contact member, power means for actuating said arm and operatively connected thereto, and means to adjust said supporting member relative to said base member whereby to regulate the operation of said arm by said power means.

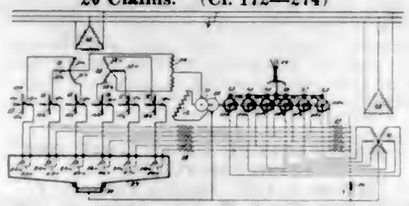
2,098,182

MOTOR CONTROL SYSTEM

Isadore K. Dortort, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application October 1, 1932, Serial No. 635,842

20 Claims. (Cl. 172—274)



1. In a control system for a motor having a plurality of armature windings and a field winding each divided into a plurality of angularly displaced sections, an alternating current supply line connected with said windings, an electron discharge device connected with the windings of the motor for controlling the energization thereof, a source of potential, adjustable means controlling the operation of said device by controlling the connection of said source therewith, and means for inducing the simultaneous energization of at least two portions of different ones of said armature windings.

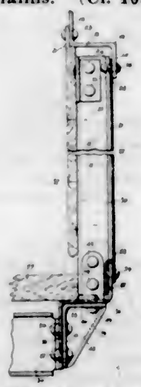
2,098,183

HOUSE CAR

Carl E. Eklind, Chicago, Ill., assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application January 21, 1936, Serial No. 60,085

7 Claims. (Cl. 105—409)



1. A railway house car converted from a wooden sheathed house car having an underframe, including metallic cross members and side sills, said converted house car embodying the parts of said underframe with the exception of said side sills which are removed, metallic side and door posts spaced laterally outwardly of the ends of said cross members, side plates, means securing the upper ends of said posts to said side plates, metallic sheathing, means securing the upper margin of said sheathing to said side plates, means securing said sheathing to said posts in laterally outwardly spaced relation to the ends of said cross members, metallic connecting members for closing the space between said sheathing and cross members secured to the lower margin of said sheathing, said connecting members extending inwardly below the lower ends of said posts and being secured directly to said cross members, said connecting members extending continuously from end to end of the car and constituting side sills for said underframe and brackets secured to the lower ends of said posts and to said connecting members.

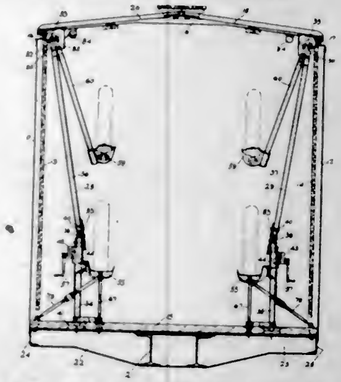
2,098,184

AUTOMOBILE ELEVATING AND SUPPORTING STRUCTURE

Eugene J. Fehr, Hammond, Ind., and Kenneth J. Tobin, Chicago, Ill., assignors, by mesne assignments, to Evans Products Company, Detroit, Mich., a corporation of Delaware

Application March 20, 1933, Serial No. 661,778

11 Claims. (Cl. 105—368)



1. In a railway house car, an automobile elevating and supporting structure comprising a plurality of opposed transversely spaced substantially vertical members, means mounted upon each of said members capable of sliding movement thereon, operating mechanism carried by each of said means for imparting movement thereto and automobile engaging and supporting devices attached to said means and lying between said members, said members being adjustable toward and away from each other to support automobiles of different widths.

2,098,185

PIN OR BOLT LOCK

Cleon M. Hannaford, Petersburg, Va., assignor to Car Devices Company, Incorporated, Richmond, Va., a corporation of Virginia

Application July 21, 1936, Serial No. 91,766

8 Claims. (Cl. 85—8.5)

1. A pin or bolt lock, including a stem for insertion in an opening in the pin or bolt and having a leading end, means offstanding from said stem remote from said leading end and arranged to embrace the exterior surface of the pin or bolt, said stem being of a length sufficient to adequately engage the walls of said opening and provided adjacent to said offstanding



means with stop means to limit its insertion in said opening, whereby projection of the stem from said opening and proper engagement of said embracing means may be assured.

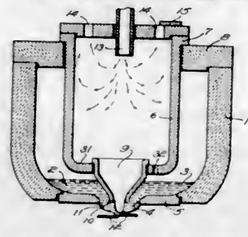
2,098,186

METHOD OF AND APPARATUS FOR FORMING HOLLOW GLASS ARTICLES

George E. Howard, Butler, Pa., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application September 11, 1935, Serial No. 40,034

26 Claims. (Cl. 49—5)

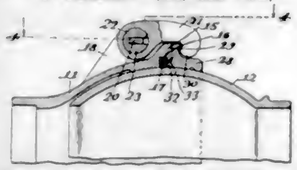


23. Apparatus for forming hollow glass articles, comprising a container for a supply body of molten glass having a downwardly opening orifice at the bottom thereof, means associated therewith to cause the glass to flow through said orifice in an annular stream, a downwardly and inwardly beveled glass receiving member and a neck mold associated therewith for receiving the lower end of the annular stream of glass while it remains integral with the glass of said supply body, a neck pin associated with said neck mold, means associated with said neck mold and neck pin for applying suction to draw the lower end of the depending annular stream of glass into said neck mold and around said neck pin to form the neck finish portion of the desired article and thereafter to supply pressure to expand the article, a burner for supplying flame toward the interior of said annular stream of glass from above during and after the formation of a neck finish portion on the lower end thereof, a damper controlled outlet for the products of combustion from said burner for assisting in the control of the wall thickness of the article by the control of the pressure within a tubular body formed from the annular stream of glass during its formation, a body mold adapted to be associated with said neck mold subsequent to the removal of said beveled glass receiving member for surrounding the tubular body of glass while it is still integral with the glass of said supply body, shearing means for severing the tubular body of glass at a plane spaced above the upper end of the body mold and below said orifice and arranged to seal both ends of the tubular body of glass substantially at the plane of severance, and a bottom plate subsequently cooperable with said body mold to define the bottom of a cavity into conformity with which the severed glass is blown to form the desired article.

2,098,187
ADHESIVE MATERIAL
Milton H. Kemp, Oak Park, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application July 3, 1935, Serial No. 29,642
11 Claims. (Cl. 134—17)

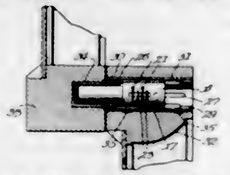
1. An adhesive material highly resistant to aging containing rubber and a plasticizer in such relative amounts and of a character to provide a plastic sticky mass, the plasticizer consisting essentially of one or more compounds selected from a group consisting of those containing a resinic acid radical treated to partially or wholly remove the unsaturated bonds thereof by saturation with hydrogen.

2,098,188
BALL JOINT
Robert F. Kinmont, Los Angeles, Calif.
Application May 9, 1936, Serial No. 78,887
5 Claims. (Cl. 285—91)



1. A device for securing the members of a ball joint in fluidtight engagement, comprising outer and inner joint members nested together, a plurality of pivoted latches mounted in bearings on the outer joint member for engaging the inner joint member, and wedges engaging the pivots and bearings of the latches for forcing the latches into locked engagement with the inner member.

2,098,189
KEY ACTUATED LOCKING BOLT
Herman H. Kistner, Baltimore, Md., assignor to Kistner Lock and Appliance Company, Baltimore, Md., a corporation of Maryland
Application September 18, 1935, Serial No. 41,115
10 Claims. (Cl. 70—90)



1. A bolt lock having a housing, a cylindrical bolt mounted therein for sliding and rotating movement, one end of said bolt being adapted for projection into a cooperating socket member in its locking position and the other end being grooved to receive a key, an abutment on said bolt spaced from its locking end, spring means surrounding said bolt between said abutment and a fixed part of said housing for retracting said bolt from locking position, a transverse abutment in said housing intermediate the ends of said bolt, said transverse abutment being spaced between said bolt abutment and grooved end of said bolt in unlocked position thereof, means on said bolt for engaging said transverse abutment in locking position to retain it against pressure of said spring, rotation of said bolt serving to disengage said means from said transverse abutment to permit retraction of the bolt, and key actuated means carried by said bolt to lock it against rotation in its locking position.

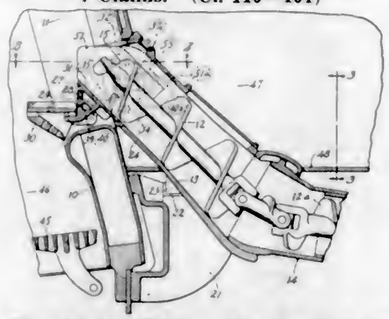
2,098,190
SUBSTITUTED SUCCINIC ACIDS AND ESTERS THEREOF AND USES THEREFOR
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 25, 1935, Serial No. 18,122
6 Claims. (Cl. 106—40)

2. A plasticized composition of matter comprising a material selected from a class consisting of styrol resins, vinyl resins, alkyd resins, phenol resins, and cellulose esters containing as a plasticizer a material of the formula:

$$\begin{array}{l} H_2CCOOR_1 \\ | \\ RO—COOR_1 \end{array}$$

where R is a member of a class consisting of benzene nuclei and aliphatic hydrocarbon chains, and R_1 and R_2 are like or unlike radicals selected from a class consisting of aliphatic hydrocarbon residues, glycol residues and residues of esters of glycolic acid.

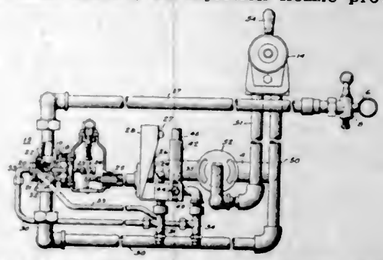
2,098,191
STOKER
Eugene Martin, Erie, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Inc., New York, N. Y., a corporation of Delaware
Application July 20, 1934, Serial No. 736,203
7 Claims. (Cl. 110—101)



6. In a stoker, the combination of a conduit and a jet plate disposed at the delivery end thereof, said conduit having bottom and side walls, and a flange extending laterally from each side wall, the jet plate having a floor constituting a continuation of the bottom wall of said conduit and including flanged extensions at the sides of and extending above said floor and being disposed against the flanges of the conduit, and fastening members securing the flanged extensions of the jet plate to the flanges of said conduit, said jet plate including chambers underneath its floor extending into said flanged extensions, said flanged extensions having apertures for the introduction of pressure fluid to the chambers and said jet plate being provided with jet openings communicating with the chambers for the discharge of pressure fluid therefrom.

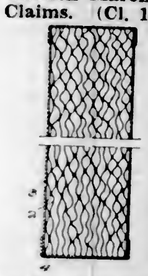
2,098,192
IGNITION AND CONTROL DEVICE FOR OVEN BURNERS
Birchard L. Matthews, Cleveland, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1931, Serial No. 569,968
5 Claims. (Cl. 158—117.1)

1. In a gas burner control and ignition device, in combination, a main heating burner, a remotely positioned continuously operating pilot burner located outside the range of normal lighting proximity with respect to said main burner, an ignition burner located in lighting proximity to said main burner, an injection nozzle provided



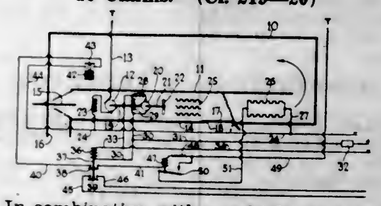
by said ignition burner, and a flash tube having a vertically disposed portion adjustably secured to said ignition burner in gas conducting relation above said nozzle for conveying gas to said pilot burner and effecting the ignition of said ignition burner.

2,098,193
HEAT INSULATION
Carl Georg Munters, Stockholm, Sweden, assignor to Aktiebolaget Termisk Isolation, Stockholm, Sweden, a corporation of Sweden
Application March 1, 1934, Serial No. 713,622
In Sweden March 1, 1933
4 Claims. (Cl. 154—28)



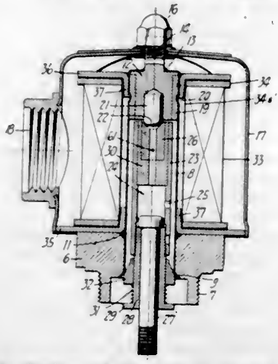
4. Heat insulation comprising a plurality of sheets of paper forming intervening gas layers the limits of the thickness of which in the direction of heat flow are between .1 and 1.2 millimeters, and whose average thickness is substantially .5 millimeter plus or minus a thickness insufficient to decrease the heat transfer efficiency as compared to cork below 80%.

2,098,194
HEATING AND VENTILATING SYSTEM
Robert J. Parsons, Schenectady, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application June 12, 1936, Serial No. 84,878
10 Claims. (Cl. 219—20)



1. In combination with a vehicle, and an electrically energizable driving circuit therefor, of an enclosure to be heated and ventilated, a fan blower, heating resistances associated therewith, and means whereby the resistances are not placed in operation nor can the driving circuit be operated, until the fan is in operation.

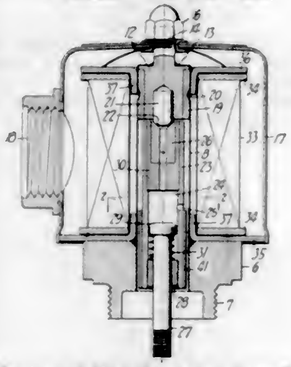
2,098,195
SOLENOID
William A. Ray, San Francisco, Calif., assignor to General Controls Company, a corporation of California
Application July 27, 1936, Serial No. 92,748
5 Claims. (Cl. 175—338)



1. In a device of the character described, a solenoid plunger having a longitudinal axis, a coil concentric about said axis for moving said plunger including a passage therein for receiving said plunger, means for supporting said coil, stop means engageable by said plunger at one end of said passage and cooperating with said plunger to center one end of said plunger on said axis, a cone shaped collar carried by said plunger and slidable along said plunger to engage said support means to center the other end of said plunger, and a spring urging said collar along said plunger.

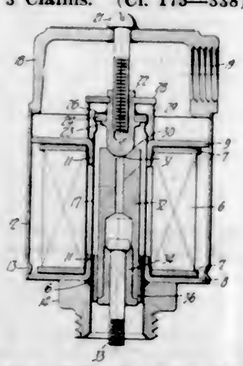
2. In a device of the character described, a coil; magnetic members positioned at each end of the coil; a plunger; said coil and said members having a passage therethrough for said plunger with each of said members flanged inwardly along said passage to provide annular magnetic members at each end of said passage; a stop member including an outer magnetic stop member positioned within one of said annular members and extending into said passage, a non-magnetic stop member coextensive substantially with the inside of said outer magnetic member, and an inner magnetic stop member enclosed by said non-magnetic member at its side portion and end away from said plunger, said outer member, said non-magnetic member and said inner member being joined together as a substantially unitary structure fixed in position at one end of said passage; said plunger comprising a non-magnetic plunger member carrying a magnetic plunger insert therein for engaging said inner magnetic stop member, said plunger non-magnetic member enclosing said magnetic plunger insert substantially entirely at its side portion and end away from said stop member, and an outer magnetic plunger sleeve substantially surrounding said non-magnetic member and extending, when said stop member is engaged by said plunger insert, from closely adjacent said outer stop member to the annular member at the other end of said passage.

2,098,196
SOLENOID
William A. Ray, San Francisco, Calif., assignor to General Controls Company, a corporation of California
Application October 13, 1936, Serial No. 105,400
1 Claim. (Cl. 175—338)



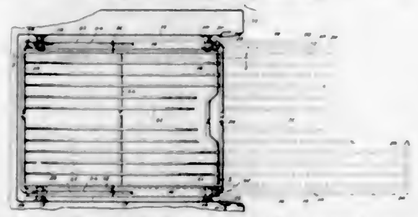
In a device of the character described, a coil having a passage therethrough, magnetic washers at either end of said coil, a solenoid plunger movable through said passage axially upon energization of said coil into engagement with stop means positioned at one end of said passage to align that end of the plunger in a definite single position axially of said passage, said plunger including an inner magnetic member encased at least partially by a non-magnetic member and an outer magnetic member extending substantially between said washers when said plunger engages said stop, said members being rixedly joined together into a single unit movable as such, said inner magnetic member engaging said stop means, and a non-magnetic sleeve carried by the plunger and positioned thereon to distribute more evenly flux from one of said washers adjacent the other end of the plunger and maintain said other plunger end in a single position in said passage whereby humming is absent.

2,098,197
SOLENOID
William A. Ray, San Francisco, Calif., assignor to General Controls Company, a corporation of California
Application November 20, 1936, Serial No. 111,891
3 Claims. (Cl. 175—338)



1. In a device of the character described, a solenoid plunger, a pair of spaced magnetic members, each member having an opening therein, a coil positioned between said members, said coil having a passage therethrough aligned with said opening in each member to provide a passage for said plunger, a stop member of magnetic material, means supporting said stop member in a fixed position and spaced from one of said pair of members at one end of said passage and projecting from above said one of said pair of members into said passage to adjacent the plane of said one of said pair of members, said plunger including a magnetic member providing a primary magnetic circuit and of a length sufficient substantially to bridge said pair of spaced magnetic members when said plunger is pulled into said passage, said plunger being hollowed out to receive and engage said stop member below that end of said plunger adjacent said stop, a first non-magnetic sleeve member positioned on and surrounding an intermediate portion only of said stop member to shield a portion of said stop member to provide a secondary magnetic circuit, and a second non-magnetic sleeve member secured on said plunger on that portion of said plunger adjacent the other of said pair of members when said plunger is pulled into said passage to distribute more evenly flux from said other of said pair of members and maintain said plunger in a single position in said passage whereby humming is absent.

2,098,198
SLIDING SHELF
Thomas A. Sindelar, Cleveland, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application April 21, 1936, Serial No. 75,606
2 Claims. (Cl. 211—143)



1. In a sliding shelf assembly for mounting in a cabinet structure, a pair of stationary channeled guide members for mounting adjacent the side walls of the cabinet, an intermediate channeled guide slidably mounted within each of the stationary guide members with its open side in register with that of the stationary guide and having an end portion extending forwardly of the stationary guide member, an upstanding pin on the end portion of the intermediate guide in front of the stationary guide member, a shelf having side rods slidably mounted in the intermediate guides and wholly inside of them, and a hook mounted on each of the side rods at substantially the longitudinal center thereof and extending through the open sides of the channel members, the ends of the hooks being rebent over the tops of the stationary guides and behind the pins on the sliding channels.

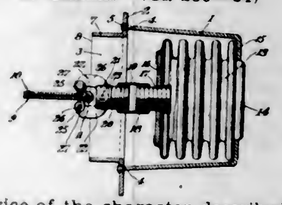
2,098,199
FERMENTATION OF AMYLACEOUS MATERIALS
Hugh R. Stiles, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application March 2, 1934, Serial No. 713,692
14 Claims. (Cl. 195—44)

1. In a process for the production of normal butyl alcohol, acetone, and ethyl alcohol by the fermentation of an essentially starchy mash by means of bacteria of the group *Clostridium saccharo-acetobutylicum* while maintaining the acidity of the mash within the optimum range for fermentation, the improvement which comprises effecting the fermentation in the presence of ammonia nitrogen as the principal source of nitrogen for the bacteria.

2,098,200
BUTYL-ACETONIC FERMENTATION PROCESS
Hugh R. Stiles, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application July 12, 1934, Serial No. 734,801
14 Claims. (Cl. 195—44)

1. In the butyl-acetonic fermentation by means of *Clostridium acetobutylicum* (Weizmann) of mashes including as a major constituent a carbohydrate-containing material which is deficient in nitrogenous nutrients for said bacteria, the step which comprises effecting the fermentation in a mash containing proteinaceous material from grain alcohol distillery slop, the said proteinaceous material including the insoluble portion of said slop.

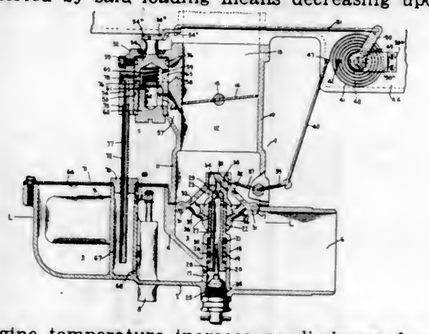
2,098,201
WATER CONTROL THERMOSTAT CONSTRUCTION
Marshall H. Ward, Fairfield, Conn., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application September 5, 1931, Serial No. 561,349
17 Claims. (Cl. 236—34)



1. A device of the character described, including in combination a frame or support, a valve seat member mounted upon one end thereof, a valve member supported upon said valve seat member, the valve proper being composed of two hinged parts, a thermostatic element mounted in said frame or support and operative connections between said thermostat element and each part of said valve.

2,098,202
CARBURETOR
Walter H. Weber, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 3, 1934, Serial No. 718,800
25 Claims. (Cl. 261—39)

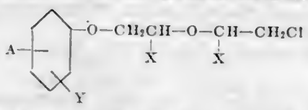
1. A carburetor of the character described, comprising a casing having a mixing chamber with main air and fuel inlets and a mixture outlet, valve means responsive to mixing chamber suction and controlling admission of air to said chamber, a thermostatically controlled supplemental fuel supply means operable to discharge fuel at sub-normal engine operating temperatures, a thermostatically controlled loading means for said valve means, said first-named and said second-named thermostatically controlled means acting simultaneously to regulate the ratio of fuel to air discharging from said outlet, the resistance exerted by said loading means decreasing upon



engine temperature increase as discharge from said supplemental means is decreased, and said loading means being so constructed as to resist opening movement of said valve means after discharge ceases from said supplemental means.

2,098,203
AROMATIC POLYETHER CHLORIDE
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 24, 1937, Serial No. 127,409
5 Claims. (Cl. 260—150)

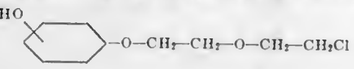
5. A compound of the general formula



in which A is an alkyl radical containing from eight to eighteen carbon atoms inclusive, X is a member of the group consisting of hydrogen atoms and alkyl groups containing from one to five carbon atoms and Y is a member of the group consisting of a hydrogen atom and alkyl and alkoxy groups.

2,098,204
PHENOLIC CHLOROETHERS
Herman A. Bruson, Philadelphia, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application May 15, 1937, Serial No. 142,808
5 Claims. (Cl. 260—150)

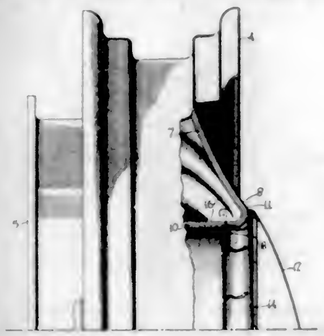
1. A phenol having the general formula



2,098,205
WHEEL STRUCTURE
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 28, 1933, Serial No. 677,970
Renewed March 11, 1937
3 Claims. (Cl. 301—108)

2. In a wheel, a sheet metal body having an axially extending nave portion merging at its axially outer end into a generally radially outwardly extending portion, said axially extending

nave portion having formed around its perimeter spaced radially inwardly depressed portions formed from the body metal, axially inwardly facing shoulders provided on said depressed portions all in the same transaxial plane, in com-



bination with a hub cap having annularly arranged radially yieldable portions adapted to be moved into and retained in axial holding relation to said shoulders when these portions of the hub cap are axially telescoped with the nave portion.

2,098,206

MANUFACTURE OF ALCOHOLS

Walter H. Hartung, Lansdowne, Pa., William G. Young, Los Angeles, Calif., and Frank S. Crossley, Philadelphia, Pa., assignors to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application June 19, 1935, Serial No. 27,348

11 Claims. (Cl. 260—156)

1. The process of reducing aldehydes to the corresponding alcohols which comprises subjecting said aldehydes to the action of a secondary alkoxide of aluminum.

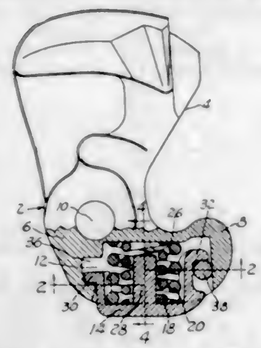
2,098,207

CAR COUPLER

Frank H. Kayler, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application May 6, 1936, Serial No. 78,183

20 Claims. (Cl. 213—155)



18. In a car coupler a pivoted knuckle having a resilient buffing face.

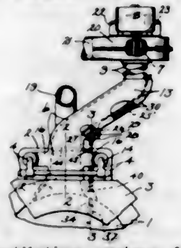
2,098,208

VENTILATOR FOR TOILETS

Ernest C. Madden, Rochester, Bert F. Cooper, Medina, and Earl R. Cuykendall, Rochester, N. Y., assignors to Rochester-Ventoilet Company, Rochester, N. Y., a corporation of New York

Application April 27, 1935, Serial No. 18,616

7 Claims. (Cl. 4—213)



1. In a ventilating system for a toilet bowl having a vertically movable seat, a ventilating pipe communicating with the interior of the bowl, means for circulating a current of air through the ventilating pipe, a normally closed damper in the pipe adapted to be opened by the action of said current of air, and means associated with the seat and effective when the seat is in a raised position for maintaining the damper in the closed position and to release said damper when the seat is in the lowered position.

2,098,209

PROCESS FOR TREATING LETTUCE IN PACKING AND SHIPPING

Joseph H. Grande, Salinas, Calif.

No Drawing. Application June 7, 1937, Serial No. 146,959

5 Claims. (Cl. 99—193)

3. A process for treating lettuce for packing and shipment to prevent discoloration and ice burn thereof, and for bleaching the same, which comprises contacting the lettuce with a solution of an acid citrate salt and packing said lettuce in ice containing an acid citrate salt.

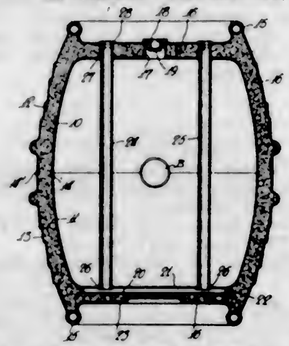
2,098,210

DISPENSING CONTAINER

Herman E. Schulse, Jersey City, N. J.

Application September 9, 1933, Serial No. 688,779

15 Claims. (Cl. 257—15)



1. A barrel for shipping, cooling and dispensing beverages, having a heat insulating side wall and heat insulating heads, a heat transfer structure substantially at the inner face of one of said heads having a surface in contact with the beverage, and a surface free from contact with the beverage and means including tubing accessible through the opposite head for introducing heat transfer fluid into contact with that surface of said heat transfer structure which is out of engagement with the beverage contents of the barrel.

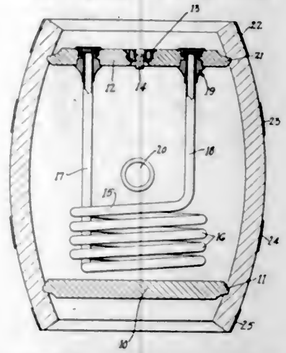
2,098,211

ART OF BREW COOLING

Herman E. Schulse, East Orange, N. J.

Application July 18, 1936, Serial No. 91,333

28 Claims. (Cl. 257—15)



1. A combination shipping, cooling and dispensing barrel for brew, comprising a heat insulating structure including a side wall and end walls, a draft outlet and a filling bunghole, said barrel having built thereinto a heat conductor presenting a heat conductive wall for contact of the brew within the barrel, said conductor being positioned so as not to interfere with the usual filling or racking tube when inserted through the filling bunghole and not to interfere with the draft tube when inserted through the draft outlet, said barrel having an inlet and an outlet through which cooling fluid may be circulated into heat abstracting contact with said conductor.

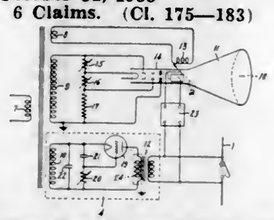
2,098,212

TESTING OF ELECTRICAL CIRCUITS

Kenneth J. R. Wilkinson, Rugby, England, assignor to General Electric Company, a corporation of New York

Original application November 21, 1936, Serial No. 111,990. Divided and this application April 29, 1937, Serial No. 139,792. In Great Britain October 31, 1935

6 Claims. (Cl. 175—183)

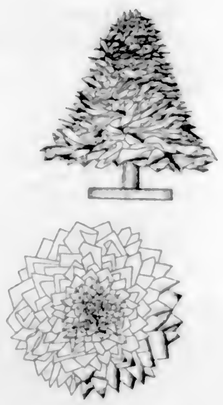


1. In combination, a circuit to be tested having a break therein, said circuit normally being closed and including a current supply source, means for applying at said break a current having a wave form corresponding to that of current flowing in the circuit when unbroken, and means for observing the resultant wave form of the voltage which appears across said break.

DESIGNS

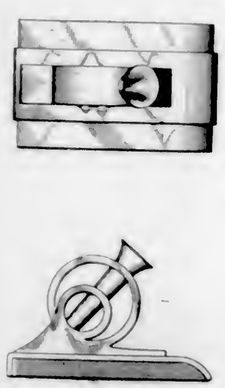
NOVEMBER 2, 1937

106,751
DESIGN FOR AN ARTIFICIAL TREE ORNAMENT
Irene M. Casey, Oakland, Calif.
Application December 31, 1936, Serial No. 66,819
Term of patent 14 years



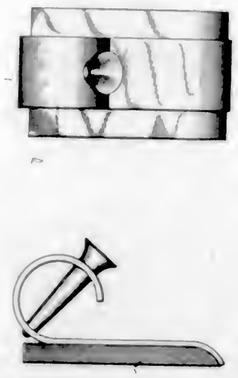
The ornamental design for an artificial tree ornament, substantially as shown.

106,752
DESIGN FOR A PEN AND PENCIL HOLDER
Francis M. Aimes, Yonkers, N. Y.
Application April 6, 1937, Serial No. 68,575
Term of patent 7 years



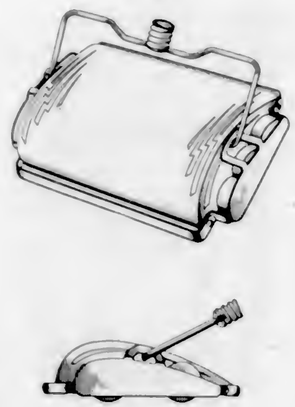
The ornamental design for a pen and pencil holder, as shown.

106,753
DESIGN FOR A PEN AND PENCIL HOLDER
Francis M. Aimes, Yonkers, N. Y.
Application April 6, 1937, Serial No. 68,576
Term of patent 7 years



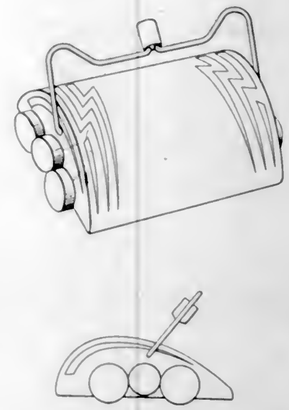
The ornamental design for a pen and pencil holder, as shown.

106,754
DESIGN FOR A CARPET SWEEPER
Charles A. Anderson, New Rochelle, N. Y., assignor to Gotham Pressed Steel Corporation, New York, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 70,995
Term of patent 3½ years



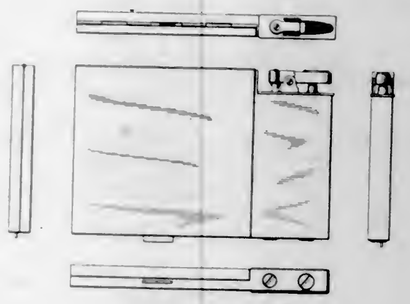
The ornamental design for a carpet sweeper, as shown.

106,755
DESIGN FOR A CARPET SWEEPER
Charles A. Anderson, New Rochelle, N. Y., assignor to Gotham Pressed Steel Corporation, New York, N. Y., a corporation of New York
Application August 11, 1937, Serial No. 70,996
Term of patent 3½ years



The ornamental design for a carpet sweeper, as shown.

106,756
DESIGN FOR A COMBINED PYROPHORIC LIGHTER AND CIGARETTE CONTAINER
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey
Application February 1, 1937, Serial No. 67,377
Term of patent 3½ years



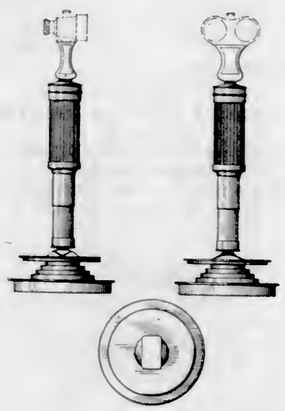
The ornamental design for a combined pyrophoric lighter and cigarette container, substantially as shown.

106,757
DESIGN FOR A RUG
Richard F. Bemporad, Forest Hills, Long Island, N. Y., assignor to Atlantic Rug Co., Inc., New York, N. Y., a corporation of New York
Application July 30, 1937, Serial No. 70,729
Term of patent 7 years



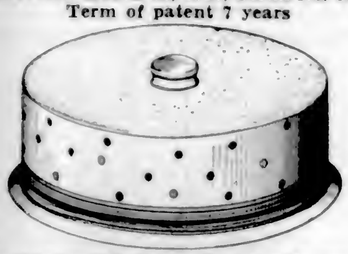
The ornamental design for a rug, as shown.

106,758
DESIGN FOR A TELESCOPIC VIEWING STAND OR SIMILAR ARTICLE
Charles A. Brewer, Noroton Heights, Conn.
Application September 10, 1937, Serial No. 71,546
Term of patent 14 years



The ornamental design for a telescopic viewing stand or similar article, as shown and described.

106,759
DESIGN FOR A CAKE BOX
Martha H. Connor, Baltimore, Md., assignor to Owens-Illinois Can Company, Wilmington, Del., a corporation of Delaware
Application March 22, 1937, Serial No. 68,313
Term of patent 7 years



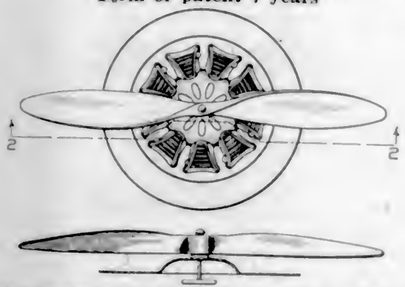
The ornamental design for a cake box, substantially as shown.

106,760
DESIGN FOR EMBROIDERED DECORATIVE ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application August 26, 1937, Serial No. 71,341
Term of patent 14 years



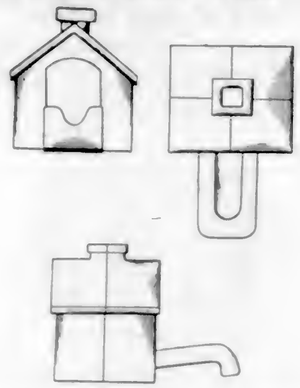
The ornamental design for embroidered decorative alphabet for forming monograms for wearing apparel or similar article substantially as shown and described.

106,761
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
Thomas J. Flynn and Charles G. McClintock, Detroit, Mich.
Application August 9, 1937, Serial No. 70,938
Term of patent 7 years



The ornamental design for a button or similar article substantially as shown.

106,762
DESIGN FOR AN ASHTRAY
Horace A. Fuld, New York, N. Y.
Application September 9, 1937, Serial No. 71,514
Term of patent 3½ years



The ornamental design for an ashtray, substantially as shown.

106,763
DESIGN FOR A SHOE
Dave Gilbert, New York, N. Y.
Application September 25, 1937, Serial No. 71,784
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

106,764
DESIGN FOR A SHOE
Dave Gilbert, New York, N. Y.
Application September 25, 1937, Serial No. 71,785
Term of patent 3½ years



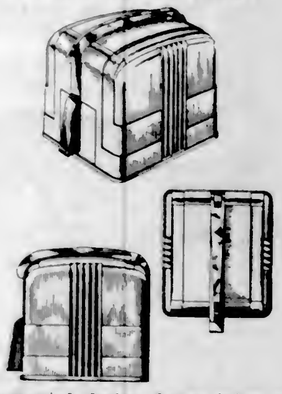
The ornamental design for a shoe substantially as shown.

106,765
DESIGN FOR A SHOE
Dave Gilbert, New York, N. Y.
Application September 25, 1937, Serial No. 71,786
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

106,766
DESIGN FOR A JUICE EXTRACTOR
Thomas L. Hand, Cincinnati, Ohio, assignor to Foster L. Talge, doing business under the name and style of Rival Manufacturing Company, Kansas City, Mo.
Application June 5, 1937, Serial No. 69,679
Term of patent 14 years



The ornamental design for a juice extractor, substantially as shown.

106,767
DESIGN FOR A SHOE
Harry J. Heiser, New York, N. Y.
Application September 23, 1937, Serial No. 71,744
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

106,768
DESIGN FOR A SHOE
Harry J. Heiser, New York, N. Y.
Application September 23, 1937, Serial No. 71,745
Term of patent 3½ years



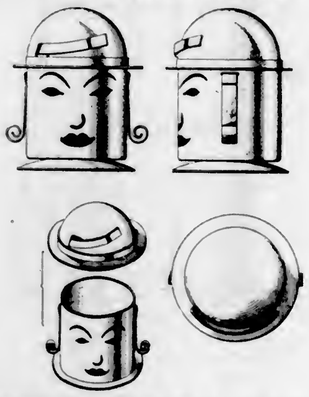
The ornamental design for a shoe substantially as shown.

106,769
DESIGN FOR A SHOE
Alphons Hurzeler, New Rochelle, N. Y.
Application September 23, 1937, Serial No. 71,746
Term of patent 3½ years



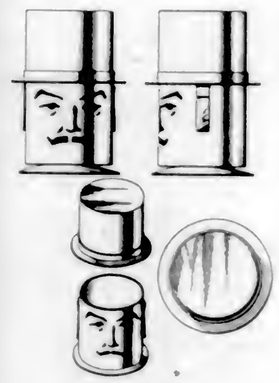
The ornamental design for a shoe substantially as shown.

106,770
DESIGN FOR A CIGARETTE BOX
Ray Rice Hutcheson, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application September 1, 1937, Serial No. 71,416
Term of patent 14 years



The ornamental design for a cigarette box, as shown.

106,771
DESIGN FOR A CIGARETTE BOX
Ray Rice Hutcheson, Frederick, Md., assignor to The Everedy Company, Frederick, Md., a corporation of Maryland
Application September 1, 1937, Serial No. 71,417
Term of patent 14 years



The ornamental design for a cigarette box, as shown.

106,772
DESIGN FOR A NEGLIGEE
James N. Jebaily, New York, N. Y.
Application August 27, 1937, Serial No. 71,347
Term of patent 3½ years



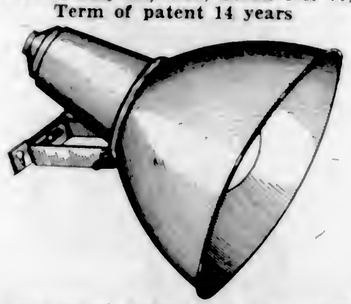
The ornamental design for a negligee, as shown and described.

106,773
DESIGN FOR A PLATE OR SIMILAR ARTICLE
William T. Johnson, New Brighton, Pa., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application August 28, 1937, Serial No. 71,370
Term of patent 14 years



The ornamental design for a plate or similar article substantially as shown.

106,774
DESIGN FOR A LIGHTING FIXTURE
Paul D. Phillips, Elmhurst, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application July 23, 1937, Serial No. 70,590
Term of patent 14 years



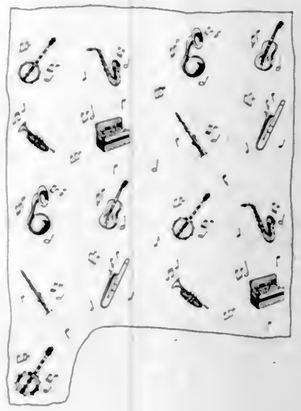
The ornamental design for a lighting fixture substantially as shown.

106,775
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application September 23, 1937, Serial No. 71,753
Term of patent 3½ years



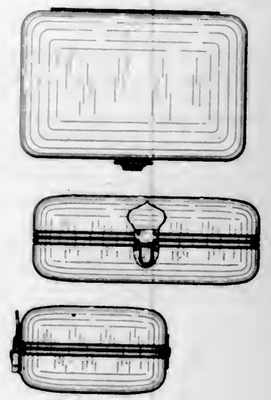
The ornamental design for a shoe or similar article, substantially as shown.

106,776
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Abraham Stone, Brooklyn, N. Y.
Application August 18, 1937, Serial No. 71,164
Term of patent 7 years



The ornamental design for a textile fabric or similar article, substantially as shown.

106,777
DESIGN FOR A KIT CASE
William E. Voigt and Egbert W. Voigt, Seattle, Wash.
Application August 21, 1937, Serial No. 71,226
Term of patent 14 years



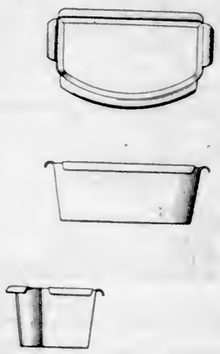
The ornamental design for a kit case, as shown.

106,778
DESIGN FOR A COFFEE MAKER
Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application September 11, 1937, Serial No. 71,575
Term of patent 14 years



The ornamental design for a coffee maker, as shown.

106,779
DESIGN FOR A PAN OR SIMILAR ARTICLE
William Andre, Brussels, Wis.
Application February 1, 1937, Serial No. 67,390
Term of patent 3½ years



The ornamental design for a pan or similar article, as shown.

106,780
DESIGN FOR A BATHROOM STOOL
George B. Bentz, New York, N. Y.
Application September 23, 1937, Serial No. 71,764
Term of patent 14 years



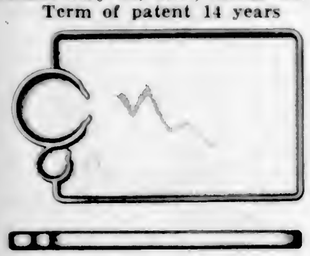
The ornamental design for a bathroom stool, as shown.

106,781
DESIGN FOR A COFFEE DISPENSER
Frank M. Boyles, Brooklyn, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York
Application April 30, 1937, Serial No. 69,080
Term of patent 14 years



The ornamental design for a coffee dispenser, as shown.

106,782
DESIGN FOR A COMBINED TRAY AND BEVERAGE CONTAINER HOLDER
Joseph Dutar de Benque, New York, N. Y.
Application July 10, 1937, Serial No. 70,355
Term of patent 14 years



The ornamental design for a combined tray and beverage container holder, substantially as shown.

106,783
DESIGN FOR A BUCKLE
Silvia Dorée, New York, N. Y.
Application September 23, 1937, Serial No. 71,748
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

106,784
DESIGN FOR A BUCKLE
Silvia Dorée, New York, N. Y.
Application September 23, 1937, Serial No. 71,749
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

106,785
DESIGN FOR A BUCKLE
Silvia Dorée, New York, N. Y.
Application September 23, 1937, Serial No. 71,750
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

106,786
DESIGN FOR EMBROIDERED DECORATIVE ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application August 26, 1937, Serial No. 71,342
Term of patent 14 years



The ornamental design for embroidered decorative alphabet for forming monograms for wearing apparel or similar article substantially as shown and described.

106,787
DESIGN FOR A VASE
Maurice Exelmans, Paris, France, assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application March 31, 1937, Serial No. 68,494
Term of patent 7 years



The ornamental design for a vase, as shown and described.

106,788
DESIGN FOR A PAN PATCH
Charles Fischer, Newark, N. J.
Application July 23, 1937, Serial No. 70,591
Term of patent 7 years



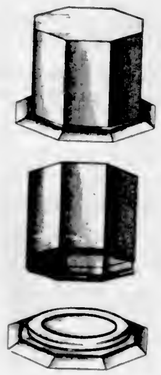
The ornamental design for a pan patch, as shown.

106,789
DESIGN FOR A PENCIL
Harald F. Gade, Philadelphia, Pa., assignor to Standard Pressed Steel Co., Jenkintown, Pa., a corporation of Pennsylvania
Application December 18, 1936, Serial No. 66,628
Term of patent 7 years



The ornamental design for a pencil, substantially as shown and described.

106,790
DESIGN FOR A CARTON
Raymond Guerlain, Paris, France, assignor to Guerlain Perfumery Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application June 12, 1937, Serial No. 69,811
Term of patent 14 years



The ornamental design for a carton substantially as shown and described.

106,791
DESIGN FOR A SUGAR BOWL OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,982
Term of patent 7 years



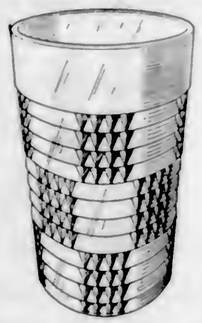
The ornamental design for a sugar bowl or similar article, substantially as shown.

106,792
DESIGN FOR A MILK PITCHER OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,983
Term of patent 7 years



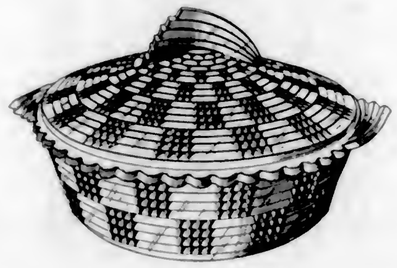
The ornamental design for a milk pitcher or similar article, substantially as shown.

106,793
DESIGN FOR A TUMBLER OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,984
Term of patent 7 years



The ornamental design for a tumbler or similar article, substantially as shown.

106,794
DESIGN FOR A COMBINED BUTTER AND ALMOND TUB OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,985
Term of patent 7 years



The ornamental design for a combined butter and almond tub or similar article, substantially as shown.

106,795
DESIGN FOR A DEEP BOWL OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,986
Term of patent 7 years



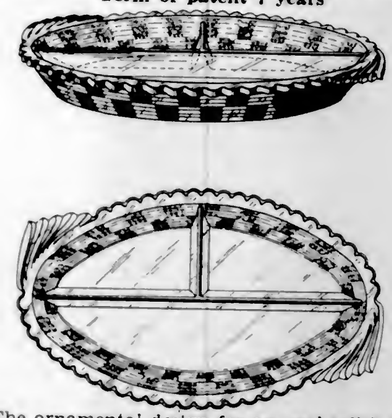
The ornamental design for a deep bowl or similar article, substantially as shown.

106,796
DESIGN FOR A NAPPY OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,987
Term of patent 7 years



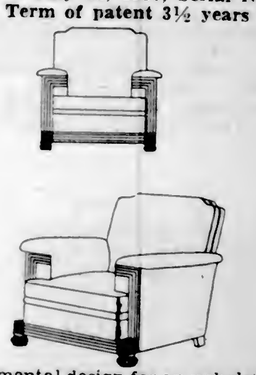
The ornamental design for a nappy or similar article, substantially as shown and described.

106,797
DESIGN FOR AN OVAL RELISH TRAY OR SIMILAR ARTICLE
Curtis B. Ilgenfritz and Edwin E. Slick, Jr., Pittsburgh, Pa., assignors to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 22, 1937, Serial No. 69,988
Term of patent 7 years



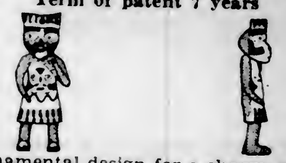
The ornamental design for an oval relish tray or similar article, substantially as shown.

106,798
DESIGN FOR AN UPHOLSTERED CHAIR OR SIMILAR ARTICLE
Sam Kaufman, Brooklyn, N. Y.
Application July 22, 1937, Serial No. 70,571
Term of patent 3½ years



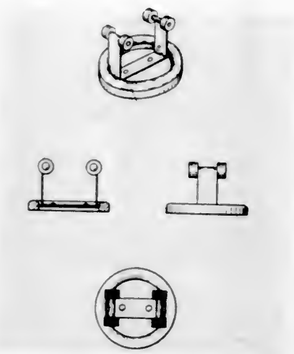
The ornamental design for an upholstered chair or similar article substantially as shown and described.

106,799
DESIGN FOR A CHARM
Herman Krupp, Seattle, Wash.
Application April 12, 1937, Serial No. 68,677
Term of patent 7 years



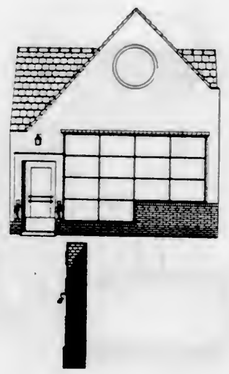
The ornamental design for a charm, as shown.

106,800
DESIGN FOR A PIPE HOLDER
Esther A. S. Langslow, New York, N. Y.
Application March 15, 1937, Serial No. 68,171
Term of patent 7 years



The ornamental design for a pipe holder, as shown.

106,801
DESIGN FOR A STORE FRONT
Hortense V. Lederer and Frederick Stanton, Chicago, Ill., assignors to Wimpy Grills of Illinois, Inc., Chicago, Ill., a corporation of Illinois
Application January 17, 1936, Serial No. 60,642
Term of patent 7 years



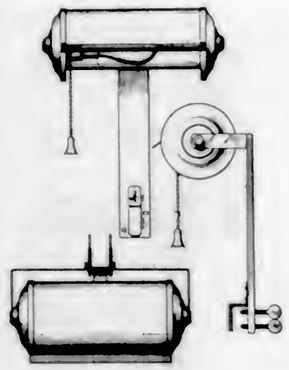
The ornamental design for a store front, as shown.

106,802
DESIGN FOR A TEXTILE FABRIC
Ben R. Levy, New York, N. Y.
Application September 30, 1937, Serial No. 71,881
Term of patent 3½ years



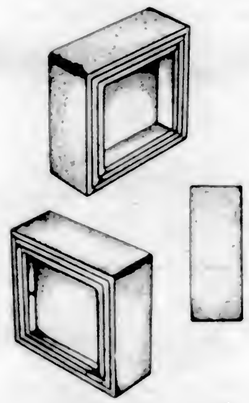
The ornamental design for a textile fabric, substantially as shown.

106,803
DESIGN FOR AN ELECTRIC LAMP FOR RANGES AND THE LIKE
Louis Ludwig, Brooklyn, N. Y.
Application January 8, 1937, Serial No. 66,951
Term of patent 7 years



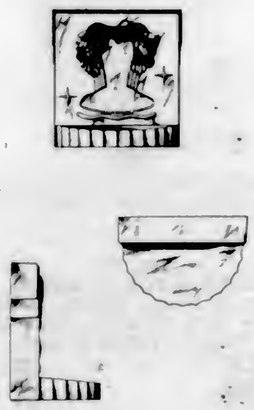
The ornamental design for an electric lamp for ranges and the like, as shown.

106,804
DESIGN FOR A BOOKEND
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 25, 1937, Serial No. 71,322
Term of patent 14 years



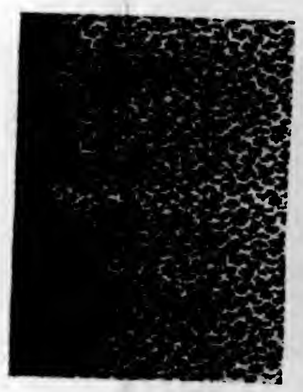
The ornamental design for a bookend substantially as shown.

106,805
DESIGN FOR A BOOKEND
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 25, 1937, Serial No. 71,323
Term of patent 14 years



The ornamental design for a bookend substantially as shown.

106,806
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y., assignor to National Fabrics Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1937, Serial No. 71,567
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

106,807
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y., assignor to National Fabrics Corporation, New York, N. Y., a corporation of Delaware
Application September 11, 1937, Serial No. 71,568
Term of patent 3½ years



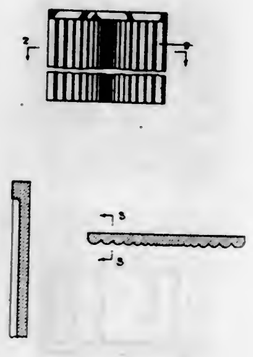
The ornamental design for a textile fabric substantially as shown and described.

106,808
DESIGN FOR AN UPPER BOWL COVER FOR A COFFEE BREWER OR SIMILAR ARTICLE
Edward Perlman, Niles Center, Ill.
Application August 11, 1937, Serial No. 71,009
Term of patent 7 years



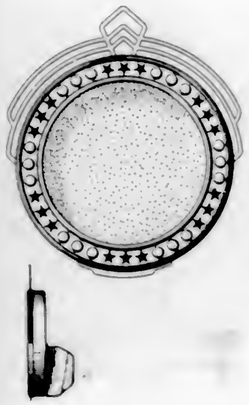
The ornamental design for an upper bowl cover for a coffee brewer or similar article as shown.

106,809
DESIGN FOR A TILE
Willis O. Prouty, Hermosa Beach, Calif.
Application March 6, 1937, Serial No. 68,048
Term of patent 14 years



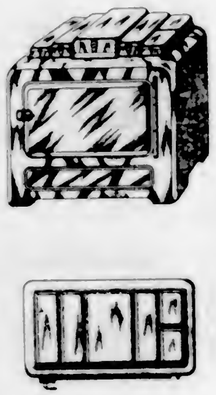
The ornamental design for a tile substantially as shown and described.

106,810
DESIGN FOR A DISPLAY MEDALLION OR SIMILAR ARTICLE
Benjamin Pucilloski, Cicero, Ill.
Application April 9, 1937, Serial No. 68,649
Term of patent 14 years



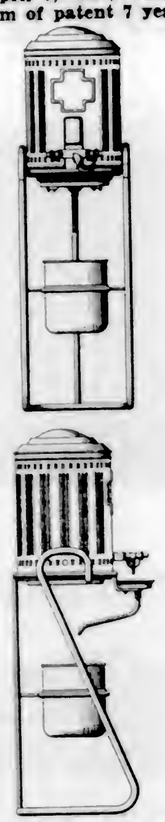
The ornamental design for a display medallion or similar article, substantially as shown and described.

106,811
DESIGN FOR A COMBINED REFRIGERATOR CASING AND CONTAINER UNIT
Kurt Speck, Irvington, N. J.
Application September 22, 1936, Serial No. 64,950
Term of patent 14 years



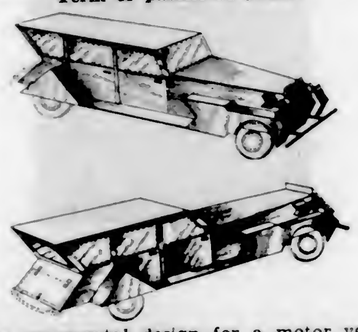
The ornamental design for a combined refrigerator casing and container unit as shown.

106,812
DESIGN FOR A COMBINED WATER COOLER AND DISPENSER
Guido J. Wiggenhorn, Los Angeles, Calif.
Application April 7, 1937, Serial No. 68,594
Term of patent 7 years



The ornamental design for a combined water cooler and dispenser, as shown.

106,813
DESIGN FOR A MOTOR VEHICLE
Jack Barofsky, Brooklyn, N. Y.
Application July 7, 1937, Serial No. 70,288
Term of patent 14 years



The ornamental design for a motor vehicle, as shown and described.

106,814
DESIGN FOR A JAR
Ivor Cordy, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application September 16, 1937, Serial No. 71,651
Term of patent 14 years



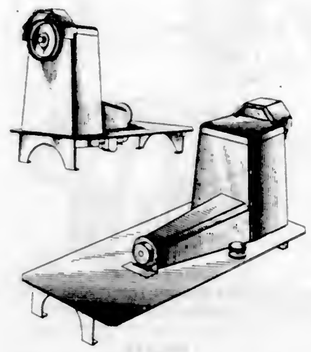
The ornamental design for a jar, as shown and described.

106,815
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application August 14, 1937, Serial No. 71,084
Term of patent 3½ years



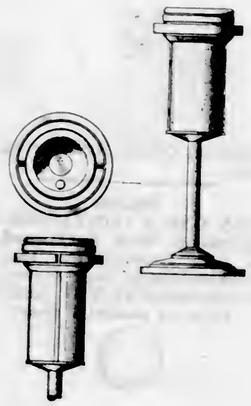
The ornamental design for a dress substantially as shown.

106,816
DESIGN FOR A PINKING MACHINE
Harry C. Herschman, Wheaton, Ill., assignor to Apex Pinking Machine, Inc., Chicago, Ill., a corporation of Illinois
Application July 2, 1937, Serial No. 70,239
Term of patent 14 years



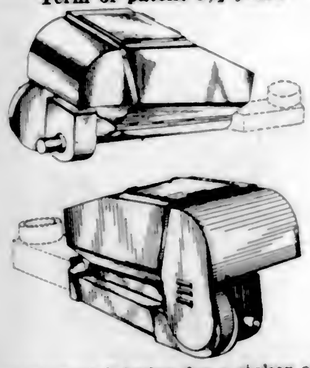
The ornamental design for a pinking machine, as shown.

106,817
DESIGN FOR A SMOKING STAND
Hervey L. MacCowan, Wilmette, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 22, 1937, Serial No. 70,585
Term of patent 7 years



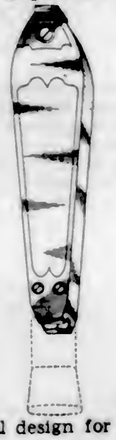
The ornamental design for a smoking stand, as shown.

106,818
DESIGN FOR A STOKER OR THE LIKE
John J. McGlone, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application August 16, 1937, Serial No. 71,111
Term of patent 3½ years



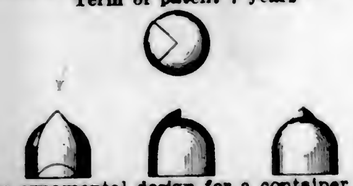
The ornamental design for a stoker or the like, substantially as shown and described.

106,819
DESIGN FOR A BRUSH
Felix R. Rapids, Chicago, Ill.
Application August 23, 1937, Serial No. 71,257
Term of patent 7 years



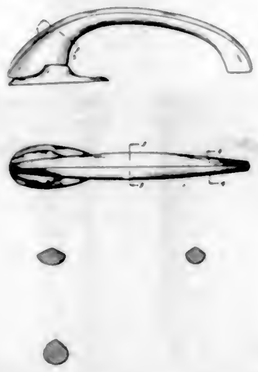
The ornamental design for a brush as shown and described.

106,820
DESIGN FOR A CONTAINER CAP
Edwin T. Reynolds, West Englewood, N. J., assignor to Lorr Laboratories, Inc., Paterson, N. J., a corporation of New Jersey
Application September 18, 1937, Serial No. 71,674
Term of patent 7 years



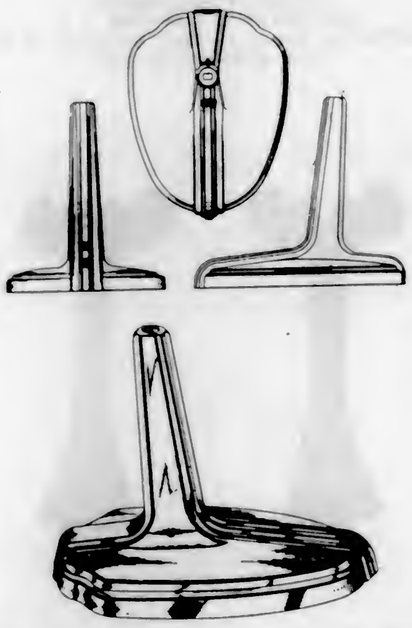
The ornamental design for a container cap as shown.

106,821
DESIGN FOR A DOOR HANDLE
Frederick C. Ruppel, Grand Rapids, Mich., assignor to W. B. Jarvis Company, Grand Rapids, Mich.
Application March 23, 1937, Serial No. 68,359
Term of patent 14 years



The ornamental design for a door handle, as shown.

106,822
DESIGN FOR A SUPPORTING BRACKET FOR ELECTRIC FANS
Abe O. Samuels, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.
Application February 6, 1937, Serial No. 67,494
Term of patent 14 years



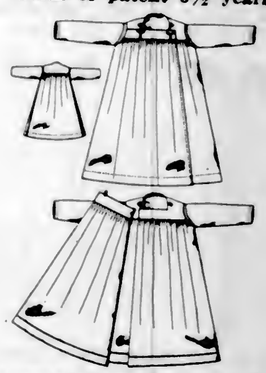
The ornamental design for a supporting bracket for electric fans, as shown.

106,823
DESIGN FOR A HEARING AID AMPLIFIER CASING
Sterling G. Sears, Garden City, N. Y., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application June 10, 1937, Serial No. 69,774
Term of patent 7 years



The ornamental design for a hearing aid amplifier casing, as shown.

106,824
DESIGN FOR A SMOCK
Loretta M. Cascardo, North Bergen, N. J.
Application May 8, 1937, Serial No. 69,230
Term of patent 3½ years



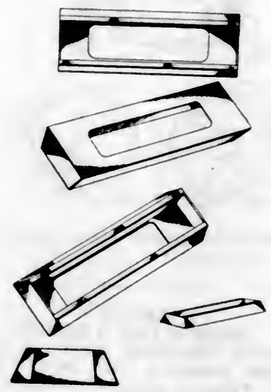
The ornamental design for a smock, as shown.

106,825
DESIGN FOR A DRESS ENSEMBLE
Elizabeth M. Ciccone, New York, N. Y.
Application September 15, 1937, Serial No. 71,625
Term of patent 3½ years



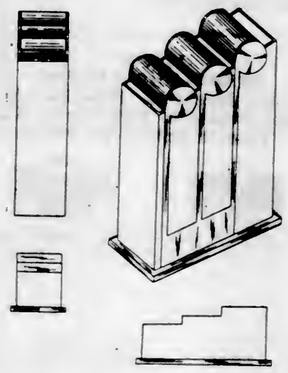
The ornamental design for a dress ensemble, substantially as shown and described.

106,826
DESIGN FOR A CARTON FOR TRANSPARENT DRINKING STRAWS
Otto W. Dieffenbach, Baltimore, Md.
Application June 10, 1935, Serial No. 57,211
Term of patent 14 years



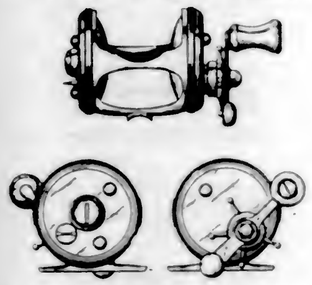
The ornamental design for a carton for transparent drinking straws, substantially as shown and described.

106,827
DESIGN FOR A COMBINED BOX AND DISPLAY STAND
Guy T. Gibson, New York, N. Y.
Application September 23, 1937, Serial No. 71,737
Term of patent 14 years



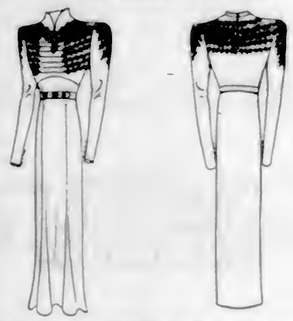
The ornamental design for a combined box and display stand, substantially as shown, and described.

106,828
DESIGN FOR A FISHING REEL
Louis Gurrieri and Salvatore Gurrieri, New York, N. Y.
Application March 24, 1937, Serial No. 68,390
Term of patent 3½ years



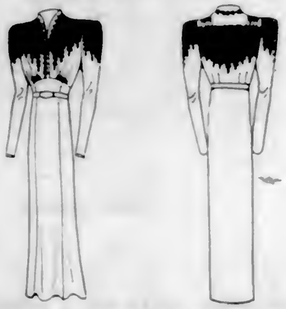
The ornamental design for a fishing reel substantially as shown.

106,829
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application August 6, 1937, Serial No. 70,882
Term of patent 3½ years



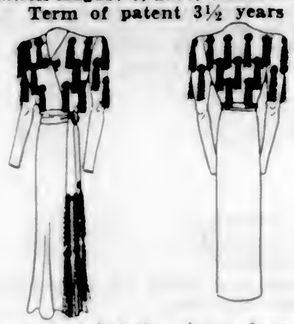
The ornamental design for a dress, substantially as shown and described.

106,830
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application August 6, 1937, Serial No. 70,883
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

106,831
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application August 6, 1937, Serial No. 70,884
Term of patent 3½ years



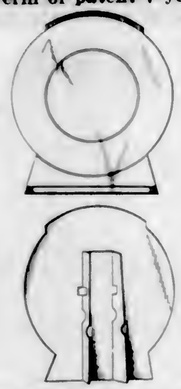
The ornamental design for a dress, substantially as shown.

106,832
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application August 10, 1937, Serial No. 70,981
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

106,833
DESIGN FOR A DISPLAY STAND
Carl E. Lehman, Chicago, Ill.
Application December 1, 1936, Serial No. 66,242
Term of patent 7 years



The ornamental design for a display stand as shown and described.

106,834
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Abraham Morris, New York, N. Y.
Application September 25, 1937, Serial No. 71,790
Term of patent 3½ years



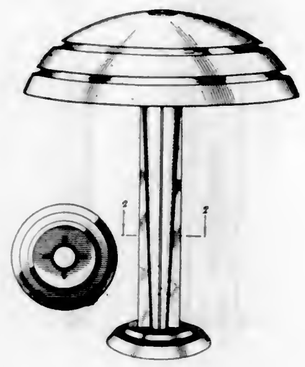
The ornamental design for a dress or similar article, substantially as shown.

106,835
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,266
Term of patent 14 years



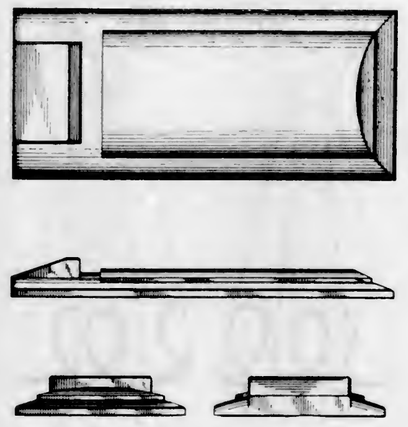
The ornamental design for a lamp or similar article, substantially as shown.

106,836
DESIGN FOR A READING LAMP OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,267
Term of patent 14 years



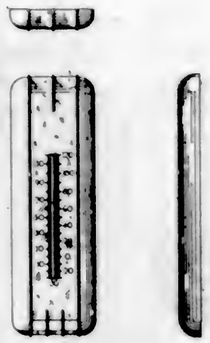
The ornamental design for a reading lamp or similar article, substantially as shown.

106,837
DESIGN FOR A COMBINED GRAVE PROTECTOR AND MARKER
George Oscar Sullivan, Pampa, Tex.
Application September 16, 1937, Serial No. 71,649
Term of patent 14 years



The ornamental design for a combined grave protector and marker, as shown.

106,838
DESIGN FOR A THERMOMETER
Ralph C. Wappner, Springfield, Ohio
Application June 14, 1937, Serial No. 69,839
Term of patent 14 years



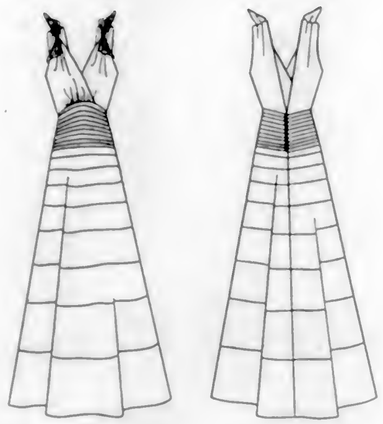
The ornamental design for a thermometer, substantially as shown.

106,839
DESIGN FOR A DRESS
Phil Cohen, New York, N. Y.
Application October 2, 1937, Serial No. 71,928
Term of patent 3½ years



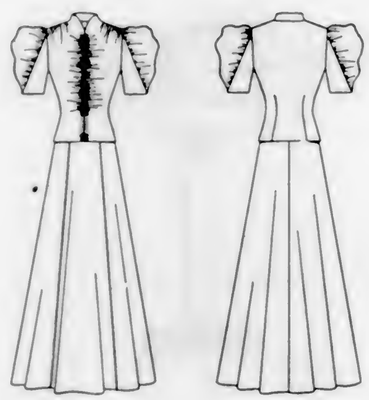
The ornamental design for a dress, substantially as shown.

106,840
DESIGN FOR A DRESS
Phil Cohen, New York, N. Y.
Application October 2, 1937, Serial No. 71,929
Term of patent 3½ years



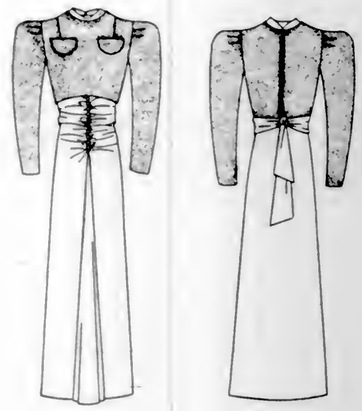
The ornamental design for a dress, substantially as shown, and described.

106,841
DESIGN FOR A DRESS
Phil Cohen, New York, N. Y.
Application October 6, 1937, Serial No. 71,983
Term of patent 3½ years



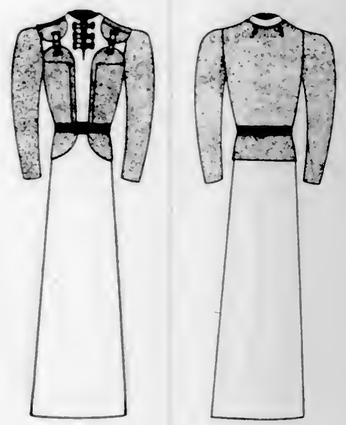
The ornamental design for a dress, substantially as shown.

106,842
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application October 5, 1937, Serial No. 71,960
Term of patent 3½ years



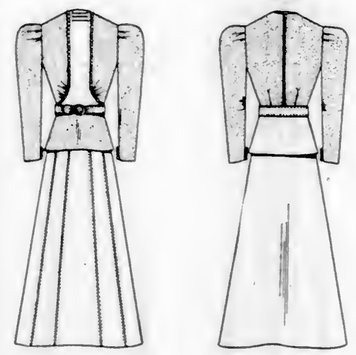
The ornamental design for a dress, substantially as shown.

106,843
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application October 5, 1937, Serial No. 71,961
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

106,844
DESIGN FOR A DRESS
Isidor Kalmis, New York, N. Y.
Application October 1, 1937, Serial No. 71,912
Term of patent 3½ years



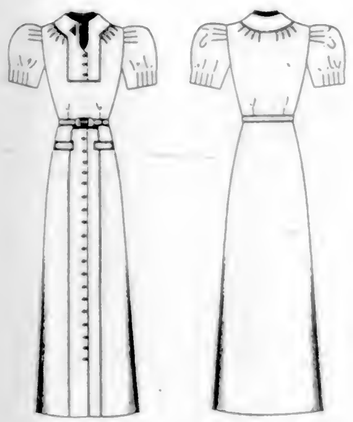
The ornamental design for a dress, substantially as shown, and described.

106,845
DESIGN FOR A DRESS
Max P. Kranz, New York, N. Y.
Application October 4, 1937, Serial No. 71,940
Term of patent 3½ years



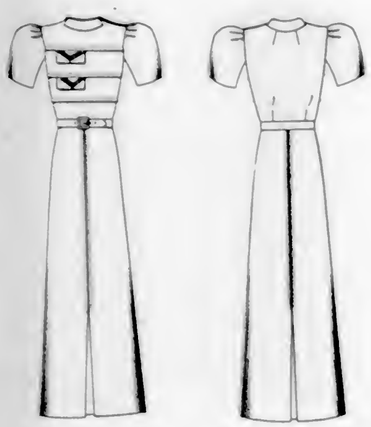
The ornamental design for a dress substantially as shown.

106,846
DESIGN FOR A DRESS
Max P. Kranz, New York, N. Y.
Application October 4, 1937, Serial No. 71,941
Term of patent 3½ years



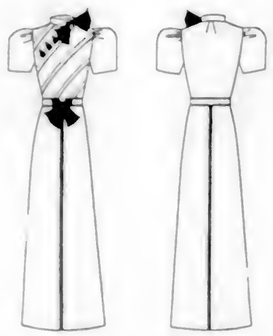
The ornamental design for a dress substantially as shown.

106,847
DESIGN FOR A DRESS
Max P. Kranz, New York, N. Y.
Application October 4, 1937, Serial No. 71,942
Term of patent 3½ years



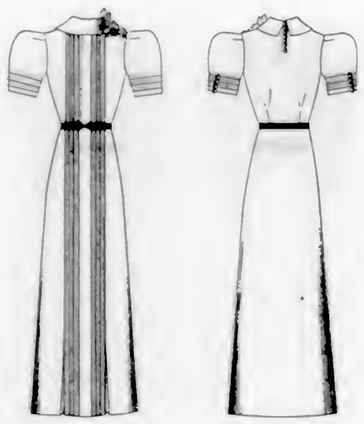
The ornamental design for a dress substantially as shown.

106,848
DESIGN FOR A DRESS
Max P. Kranz, New York, N. Y.
Application October 4, 1937, Serial No. 71,943
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

106,849
DESIGN FOR A DRESS
Max P. Kranz, New York, N. Y.
Application October 4, 1937, Serial No. 71,944
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

106,850
DESIGN FOR A DRESS
Sidney J. Poster, New York, N. Y.
Application October 8, 1937, Serial No. 72,057
Term of patent 3½ years



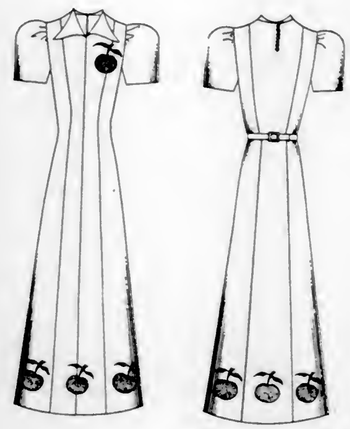
The ornamental design for a dress, substantially as shown and described.

106,851
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application October 1, 1937, Serial No. 71,907
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

106,852
DESIGN FOR A DRESS
Harry M. Sterngold, New York, N. Y.
Application October 8, 1937, Serial No. 72,058
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

106,853
DESIGN FOR AN AUTOMOBILE RADIO AERIAL
Carl M. Tichenor, Detroit, Mich.
Application March 22, 1937, Serial No. 68,350
Term of patent 7 years



The ornamental design for an automobile radio aerial as shown.

106,854
DESIGN FOR AN AUTOMOBILE RADIO AERIAL
Carl M. Tichenor, Detroit, Mich.
Application March 22, 1937, Serial No. 68,352
Term of patent 7 years



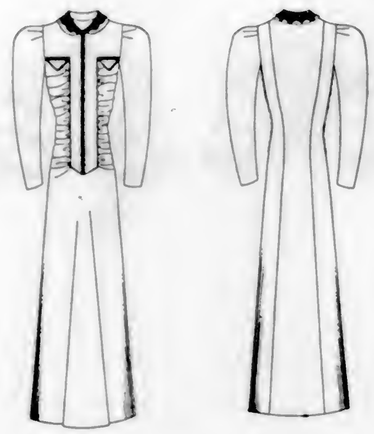
The ornamental design for an automobile radio aerial, as shown.

106,855
DESIGN FOR A DRESS
Salvatore J. Velardi, New York, N. Y.
Application October 4, 1937, Serial No. 71,949
Term of patent 3½ years



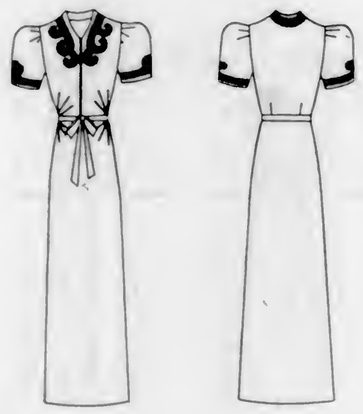
The ornamental design for a dress, substantially as shown.

106,856
DESIGN FOR A DRESS
Harry Zinn, New York, N. Y.
Application October 8, 1937, Serial No. 72,059
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

106,857
DESIGN FOR A DRESS
Harry Zinn, New York, N. Y.
Application October 8, 1937, Serial No. 72,060
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

Patents Nos. 2,098,213 to 2,098,935

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United States Patent Office

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November 9, 1937

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Designs	97—No.	106,858 to No.	106,954, inclusive.
Total	1,060		

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Oct. 8, 1937.*

John O. Lewis, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent of Melvin M. Warren, R. F. D. #1, Geneva, Ohio, and patent granted March 10, 1936, No. 2,033,142, to John O. Lewis, 556 Sixteenth Street, Brooklyn, N. Y., and a notice of such declaration sent by registered mail to said Lewis at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Lewis, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Oct. 4, 1937.*

Patrick J. Dervin, his assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Chicago Pharmacal Co., Chicago, Ill., to effect the cancellation of trade-mark registration of Patrick J. Dervin, 219 East 28th Street, New York, N. Y., No. 155,404, dated May 30, 1922, and the notice of such proceeding sent by registered mail to the said Patrick J. Dervin at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Patrick J. Dervin, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Disclaimers

1,871,383.—*Robert A. Miller*, Plainfield, N. J. SOUND REPRODUCING SYSTEM. Patent dated August 9, 1932. Disclaimer filed October 20, 1937, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claims 1, 2, 3, 6, and 7 of said Letters Patent.

1,981,726.—*Mervin Gentzler*, York, Pa. TIRE CHAIN. Patent dated November 20, 1934. Disclaimer filed October 2, 1937, by the assignee, *The McKay Company.*

Hereby enters its disclaimer to claim 9 of said patent.

2,038,128.—*Neil D. Preston*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROLLING SYSTEM. Patent dated April 21, 1936. Disclaimer filed October 23, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters the following disclaimer: Disclaims from claim 26 any system, except wherein the "means in the control office manifesting lack of correspondence between said control lever and said indicating means" is initiated by the movement of the lever to a different position alone and regardless of any subsequent operation of the code communication system, and wherein said means "manifesting lack of correspondence" if once initiated remains in that condition regardless of any subsequent change in the position of the lever and until said "indicating means" is again actually operated by the code communication system.

Hereby disclaims claims 35 and 36.

2,042,670.—*Richard C. Leake*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROL SYSTEM. Patent dated June 2, 1936. Disclaimer filed October 23, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer to claim 9 of said Letters Patent.

Condition of Applications Under Examination at Close of Business October 23, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,253; Trade-Mark Division, 1,396. Oldest new case, May 18, 1937; oldest amended, Apr. 24, 1937.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 1	June 3	671
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	June 28	June 29	779
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Aug. 16	Aug. 19	447
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	July 16	July 1	458
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	July 24	July 27	577
4998C	6. LEWERS, A. M., Carbon Chemistry (part)	July 20	July 22	789
5725	7. JARBOE, C. G., Optics; Photography	July 12	July 12	945
3885	8. ADAMS, F. L., Beds; Chairs Kitchen and Table Articles; Racks and Cabinets	June 26	July 8	632
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 26	June 23	560
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 18	June 18	829
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 17	July 19	455
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	June 14	June 19	657
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 7	July 7	653
5097	14. SMITH, O. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 14	July 13	545
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 14	July 14	1076
5612	16. SPENCER, C. J., Telegraphy; Telephony	June 29	June 25	664
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 23	July 28	534
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	June 24	June 28	480
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	June 24	June 24	843
6606	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 3	July 3	502
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 23	July 23	551
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	July 27	July 28	600
7624	23. BUTTNER, W. J., Registers (part)	May 18	Apr. 24	292
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters, Sewing Machines	July 26	July 27	628
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 22	July 20	611
5693	26. YOUNG, R. R., Electricity, Generation; Motive Power	June 24	July 2	485
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	May 26	May 27	593
4628	28. SOLYOM, H. L., Internal-Combustion Engines	July 26	July 28	394
5052	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 10	July 7	694
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	May 28	May 25	896
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 24	July 23	565
4086	32. LESH, KARL, Gas and Liquid Contact: Heat Exchange; Gas Separation; Agitating	July 7	July 6	525
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 24	July 12	673
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Aug. 13	Aug. 9	283
5605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	July 21	July 20	511
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 17	June 21	515
5686B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	May 25	May 25	733
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 26	July 1	622
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 26	July 27	508
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 22	June 21	1250
7812	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 2	July 13	290
5882	42. CUTTING, H. O., Electric Signaling	June 30	June 11	527
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	July 23	July 23	643
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	May 28	May 29	910
7687	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	June 29	June 25	639
4813	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 13	July 13	549
6063	47. BARKER, H., Clutches; Brakes	July 21	July 21	585
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 19	July 20	521
7728	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	May 22	May 13	820
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	July 23	July 23	607
5626	51. BACKUS, C. D., Radiant Energy	July 14	July 14	743
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 9	July 7	912
6697	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 24	June 28	762
5674	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Aug. 16	Aug. 17	500
6853	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 23	June 23	872
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	June 24	June 24	955
6613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 11	June 9	579
5606	58. DOWELL, E. F., Abrading; Bottles and Jars	July 19	July 19	385
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	July 23	July 22	557
5696	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 6	July 6	478
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 10	June 7	606
5676	62. PUGH, E. C., Games; Geometrical Instruments	July 26	July 22	576
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	July 9	July 10	432
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 23	July 23	958
6624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	June 18	June 18	656
2089B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Sept. 1	Oct. 9	1232
	{Labels and Prints	Oct. 7	Oct. 8	164
2905	Designs, H. H. KALUPY	Sept. 30	Oct. 6	646

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

BATTERY PATENTS CORPORATION *v.* COE, COMMISSIONER OF PATENTS

No. 6,871. Decided September 13, 1937

1. DESIGNS—PATENTABILITY—INVENTION.

"In order for one to be entitled to a design patent the design which he has created must be the result of inventive skill."

2. SAME—SAME—SAME.

"Combining old forms so as to produce a new and ornamental design is not patentable when in the particular case the combining of the elements did not require invention."

3. SAME—SAME—COMBINED BICYCLE GUARD AND LAMP.

Design for a combined bicycle guard and lamp *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Nelson J. Jewett and *Mr. Russell Wiles* for Battery Patents Corporation.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices.

STEPHENS, *A. J.:*

The appellant, hereinafter referred to as the plaintiff, is assignee of the application of one George S. Lewis seeking a design patent for a combined bicycle guard and lamp. The application was rejected by the Examiner, and on appeal the Board of Appeals sustained the Examiner's rejection. The plaintiff then filed a bill in equity in the United States District Court for the District of Columbia, under Section 4915 of the Revised Statutes (35 U. S. C. § 63), alleging the filing and due prosecution of the application and seeking a decree that the plaintiff is entitled to receive Letters Patent for the invention of Lewis, and that appellee, United States Commissioner of Patents, hereinafter referred to as the defendant, be authorized and directed to issue such patent. The defendant answered, admitting the filing and due prosecution of the application, and the rejection thereof, but asserting that the design was unpatentable, in the light of certain known designs mentioned below.

The defendant cited the following prior art: Humble, 1,069,550, August 5, 1913; Sawyer, Design, 92,114, April 24, 1934; Advertising Booklet of the Series 50 Buick Straight Eight for 1932, page 13, Model 32–56–S, Fender & Headlights.

At the trial below the patent application, the Examiner's statement, the decision of the Board of Appeals, and the prior art cited were in the usual course made a part of the record. Mr. Lewis testified in behalf of the plaintiff as to prior bicycle design, his design, and the widespread adoption thereof by bicycle manufacturers. No testimony was introduced for the defendant. At the close of the hearing, the trial court made the following findings and conclusions:

Findings of Fact

1. This is a suit brought under the provisions of Section 4915 R. S. (U. S. C., Title 35, Sec. 63) to authorize the Commissioner of Patents to issue a design patent to plaintiff on the application of George S. Lewis, plaintiff's assignor.

2. The application of Lewis discloses a design for a Combined Bicycle Guard and Lamp in which the guard for the front wheel of the bicycle is extended over the wheel and beyond the fork of the bicycle, a tear-drop shaped lamp being affixed to the guard between the fork and the end of the guard.

3. The patent to Humble, No. 1,069,550, discloses a bicycle having a guard for the rear wheel which extends over the upper portion of the wheel.

4. The design patent to Sawyer, No. 92,114, shows a design for a velocipede having a guard for the front wheel which is extended over the wheel and a substantial distance beyond the steering fork, a lamp being affixed to the guard between the fork and the end of the guard.

5. The Advertising Booklet of the Series 50 Buick Straight Eight for 1932, discloses on page 13 an automobile having a tear-drop shaped fender light.

6. In the early days of bicycle manufacture, it was the practice to have the front guard of the bicycle terminate even with the steering fork.

7. Later, the top of the front guard was advanced, in some cases, to a point in line with the truss rods.

8. At the time of the Lewis design involved herein, the front guard of bicycles had not been advanced beyond the truss rods, and it was the common practice of bicycle manufacturers to have the front guard terminate even with the steering fork, or even with the truss rods.

9. In the Lewis design, the guard was advanced a very substantial distance beyond the fork and beyond any usual location of the truss rods.

10. In the Lewis design, the lamp was placed between the portion of the guard even with the truss rods and the forward end of the guard, which extended a substantial distance ahead of the truss rods.

11. Plaintiff has sold two types of bicycles, one model, called the "Standard", being cheaper and not being provided with the Lewis design. In this model, the guard terminates even with the truss rods. In the second type, called the "De Luxe" model, the bicycle, which is otherwise the same as the "Standard", is provided with the elongated fender and lamp of the Lewis design. The bicycles have been sold in large numbers. Contrary to the usual experience, the more expensive model, equipped with the Lewis design, has outsold the cheaper model. Up to the present time, the higher priced bicycle has outsold the cheaper one in the proportion of 14 to 10.

12. Within a very short time after the new design appeared, it was copied by most of plaintiff's competitors.

13. One competitor employs a guard and a tear-drop lamp-shaped device on the guard, the lamp being a dummy.

Conclusions of Law

1. In order that a design be patentable its creation must have involved the exercise of invention.

2. The design of the Lewis application does not disclose invention over the prior art as exhibited in the patents and publication in evidence.

3. The plaintiff is not entitled to the issuance of a patent on the application of its assignor, George S. Lewis.

4. The bill should be dismissed.

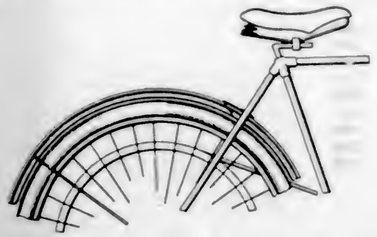
A decree was thereupon entered dismissing the bill of complaint, and this appeal was taken.

We have carefully examined the record and find that there is substantial evidence to support each of the findings of fact. The question in the case is whether the conclusion of law that the design of the Lewis application does not disclose invention is valid.

The Lewis design is illustrated by the following drawings:



The Humble patent shows a bicycle rear mudguard which has the same general configuration as the guard employed by the plaintiff in his design:



The Sawyer design shows a velocipede equipped with a front mudguard and lamp:



The Buick Advertising Booklet reveals an automobile which has a front fender with a parking light mounted thereon as shown in the following cut:



The parking light is the small lamp set on the fender in line with the rear of the headlight.

The tribunals of the Patent Office considered that the general configuration of the Lewis lamp and the form of mounting were shown by the Buick citation, and that nothing inventive resided in the guard element in view of Humble. The conclusion was that there was no invention in mounting a lamp of substantially the Buick form upon a guard the shape of which was old.

It may be admitted at the outset that small lamps of streamlined outline were known before the instant application, and that bicycle mudguards semicircular in shape were common.

[1] In order for one to be entitled to a design patent the design which he has created must be the result of inventive skill. The Supreme Court, in *Smith* v. *Whitman Saddle Co.*, 148 U. S. 674, 679 (1893) 63 O. G. 912, quoted from *Northrup* v. *Adams*, 12 O. G. 430, as follows:

"To entitle a party to the benefit of the act, in either case [mechanical patent or design], there must be originality, and the exercise of the inventive faculty. In the one, there must be novelty and utility; in the other, originality and beauty. Mere mechanical skill is insufficient. There must be something akin to genius—an effort of the brain as well as the hand. The adaptation of old devices or forms to new purposes, however convenient, useful or beautiful they may be in their new role, is not invention."

The Court continued:

The shape produced must be the result of industry, effort, genius or expense, and new and original as applied to articles of manufacture. *Foster* v. *Crossin*, 44 Fed. Rep. 62. The exercise of the inventive or originative faculty is required, and a person cannot be permitted to select an existing form and simply put it to a new use any more than he can be permitted to take a patent for the mere double use of a machine. If, however, the selection and adaptation of an existing form is more than the exercise of the imitative faculty and the result is in effect a new creation, the design may be patentable. [148 U. S. at 679.]

See also: *In re Sherman*, 35 App. D. C. 100, 154 O. G. 839, (1910); *Finley* v. *Coe*, 64 App. D. C. 276, 77 F.(2d) 399 (1935).

[2] Combining old forms so as to produce a new and ornamental design is not patentable when in the particular case the combining of the elements did not require invention. In *Knapp* v. *Will & Baumer Co.*, 273 Fed. 380, 384–85 (C. C. A. 2d, 1921), the court said:

What Knapp did involved no inventive act. He took an ordinary coach candle, with its bell shaped tip, and simply changed the column from a round one into a square one, leaving the bell-shaped tip the same as before. In converting a round column into a square one, he followed precisely the teachings of the art as previously set forth by Lamborn. He did what any ordinary workmen would have done—drew a round candle through a square mold in accordance with a common practice. Then he provided it with a self-fitting base in accordance with the teachings of the art since 1861.

It is true that invention may reside in a new combination of old elements. Every new combination of old elements, however, is not patentable.

And in *Imperial Glass Co.* v. *Heisey & Co.*, 294 Fed. 267, 269 (C. C. A. 6th, 1923), the court said:

While we do not question that patentable designs may arise from regrouping familiar forms and decorations, yet when all that was done was to take an existing piece of table glassware having these flutes, and substitute a slightly different form of flute already in common use on other articles of domestic table glassware, we are satisfied that there can be no patent monopoly. [Authorities cited.]

In *Steffens* v. *Steiner*, 232 Fed. 862 (C. C. A. 2d, 1916), the complainants had brought ten suits for infringement of ten design patents for cigar bands. The elements of the designs of the bands were all old although the particular patent designs were new. The District Judge had sustained the validity of three of the design patents, apparently feeling that he was bound by prior decisions in the circuit. He had said:

"The most important issue in these cases is the validity of the patents themselves, because the imitation is so deliberate, unblushing and minute as to require no consideration at all. Were the matter open to me de novo, I should hardly think that these groupings of elements so long familiar in the art, into such new combinations as are here presented, was beyond the competence of an ordinary designer, who for these purposes should be regarded as the test of invention. It is true that no such combinations are exactly presented before in the art, and indeed their literal novelty is unquestioned; but I cannot bring myself to think that the especial combinations were variations beyond what scores of designers could produce at will out of the materials at hand." [232 Fed. at 863.]

The Circuit Court of Appeals reversed, indicating that its prior decisions had been misconstrued by the lower court. The court said:

Invention may or may not reside in combining a multitude of old design elements into one unitary design. Whether or not invention is involved in any particular case of that kind must depend upon the novelty of the unitary and resultant design and the circumstances of the case.

The question in the case at bar is not whether a design patent can be sustained, although each separate element in the design may be old, but it is whether what has been done in assembling the old elements in the new designs rose in these particular cases to the level of invention. What has been done in the patents in suit has been to vary slightly the shape and disposition of the otherwise old design elements or surface ornamentation of the cigar bands. The test of invention by which the court below decided the case was stated as follows:

"This test will not allow validity to a patent for immaterial changes which do not differentiate from the prior art enough to be distinguishable, but will allow any new combination of old elements, even though it took no invention beyond that of a skilled designer."

In laying down the above test the court below has been led into error. To sustain a design patent the design must involve something more than mere mechanical skill. There must be invention. [232 Fed. at 864–65.]

On the other hand, although all the component parts of a design may be old in the art, combining them into a new and ornamental design may have required inventive genius. Indeed many, if not most, of the elements of design are long known and familiar. As was said by Augustus Hand, then District Judge, in *Friedley-Voshardt Co.* v. *Reliance Metal Spinning Co.*, 238 Fed. 800, 800–01 (S. D. N. Y. 1916):

There is no doubt that a design patent, like every other, requires invention, and, if the design in question for a gas and electric fixture known as a shower pan is a mere aggregation of well-known elements which could be assembled without ingenuity or artistic skill, it cannot be regarded as one showing invention. It is to be remembered that ornaments resulting from the varied juxtaposition of curves and angles, like the musical combinations resulting from the sequence of notes and chords, all contain certain intervals—ornaments intervals of space, music intervals of sound—which are traditional and well known. It is difficult, if not impossible, after years of development, to imagine any article of ornament or any production of music of which this is not true. It is in the arrangement, or, to use the technical term of the patent law, the combination, of elements, and probably at this late day in that alone, that originality and aesthetic skill may be evidenced. Mr. Ainsworth, the designer of Caldwell & Co., well expressed this idea when he said in his testimony at the trial:

"• • • All motives are old. We have inherited them, and we combine them in such a way as to produce an artistic result and a new result; combining them in such a way as to make proper intervals in the spacing of ornaments and the proper emphasis of different ornaments, and to keep the play of light and shade so as to make on the whole a pleasing design, and its merit would depend a great deal on how thoughtful and how different it was from the stereotyped combinations."

This court, in *Application of Grigsby*, 55 App. D. C. 294, 5 F.(2d) 117 (1925), held that a design patent should be issued for a triple-curved glare visor for automobiles although the prior art showed visors with plain arcuate curves and others with ogee curves. The patentability of an inventive combination of old elements is well expressed in *Graff, Washbourne & Dunn* v. *Webster*, 195 Fed. 522, 523 (C. C. A. 2d, 1912), where the court said:

It will simplify the discussion if it be at once admitted that each element of the patented designs, considered separately, was old and that sometimes two or more of them appear combined in the prior art. This does not invalidate the patents, unless it appears that they were so assembled as to form the designs of the patents. Indeed, it is manifest that a skillful designer, with the Graff dish before him, could construct a new and ornate design containing every element of that dish and at the same time presenting a totally different impression to the eye of the ordinary beholder. It is the design as a whole and not the segregated scrolls, leaves, flowers and forms which are united to produce the general effect, which must be considered. The situation in this respect is analogous to machines made up of a combination of old elements.

The machine produces a new result, the design a new impression upon the eye. To refuse patentability to a design because the separate elements are old, would be tantamount to denying originality to "The Lion of Lucerne" because other sculptors before Thorwaldsen had carved lions from stone. It would relegate "The Angelus" to obscurity because other artists before Millet had painted peasants at work in the harvest field.

See also *Pfeffer* v. *Western Doll Mfg. Co.*, 283 Fed. 966 (C. C. A. 7th, 1922); *Protex Signal Co.* v. *Feniger*, 11 F.(2d) 43 (C. C. A. 6th, 1926).

It has been settled since the case of *Gorham Company* v. *White*, 14 Wall. 511 (U. S. 1871), that the general effect of a design is controlling, rather than minor differences which alter the design without changing its appearance in the eyes of the ordinary observer. Also this court, in the case of *In re Schraubstadter*, 26 App. D. C. 331 (1905), indicated that in determining the question of the patentability of a later design it is not necessary to find that it infringes an earlier one in order to reach the conclusion that the later design lacks patentability. That is to say, a later design may in its general effect be so different from an earlier one as not to infringe it, and still the earlier may so anticipate the later in idea as to preclude invention.

We are thus confronted with the question whether, conceding the elements of the Lewis design to be old, but its precise combination to be new, the design required inventive genius.

[3] We are of opinion that nothing in the prior art anticipates the Lewis design in totality of ornamental effect. The Humble rear mudguard while curved concentric to the wheel, unlike the Lewis mudguard has no lamp combined with it. The Sawyer lamp is not streamlined and is differently mounted upon a guard of very different appearance. The total effect of the Sawyer combination is doubtfully ornamental at all, at least from the standpoint of present-day vehicle designs. Bicycles made prior to the Lewis design disclose, as shown by the record, a very short front guard, extending little, if any, beyond a point directly above the axle of the front wheel, and a non-streamlined lamp placed close to the upright supporting the handlebars. The Lewis design, it is true, combines a front lamp on a front guard concentrically curved. But it adds a further forward extension of the guard and it mounts and angles and streamlines the lamp upon and in relation to the guard in a manner which we think produces an ornamental effect wholly new and very pleasing.

Nothing in the record is at all like the Lewis design in general appearance except the lamp and fender combination shown in the Buick Advertising Booklet, and while this has an ornamental aspect, again we think it is materially different from the Lewis design. The Buick parking lamp, although streamlined in form, is tiny in proportion to the fender upon which it is mounted, in comparison with the Lewis lamp, and the Lewis fender; and in addition is mounted differently, that is, horizontally, whereas the Lewis lamp is tilted forward slightly off the horizontal. The Buick fender is a flat arc, almost tangential to the wheel; the Lewis guard is semicircular and concentric. Even if these differences between the Buick and Lewis designs may be said to be in and of themselves small, still the effect, in the Lewis design, is a material change of general appearance—which may amount to invention. *Application of Grigsby*, supra. Although the Buick lamp blends into the form of the forepart of the automobile and fender, it produces no especial effect of its own. The Lewis lamp as mounted produces the impression of speed and forward motion. In the plaintiff's brief before the Board of Appeals this effect is likened to the impression given by a flag in the bow of a boat, or by an automobile radiator ornament in the shape of an eagle with spread wings. The analogies are apt.

We think it required more than the skill of the ordinary designer to take the disassociated elements of the prior art and combine them in a design so new and so pleasing. The conclusion we reach is confirmed by the prompt and widespread adoption of the Lewis design. The record reveals that the competitors of the plaintiff were quick to perceive the merits of the combined lamp and guard of Lewis, and that bicycles equipped with it outsold less expensive machines made without such equipment. The record shows that by 1936 the use of the Lewis design was so widespread that a bicycle appliance manufacturer pictured in his advertising, as a typical modern bicycle, one having such a front guard and light. Prompt and widespread adoption is recognized by the courts as evidence of invention. See *Standard Match Corporation* v. *Bell Mach. Co.*, 83 F.(2d) 365, 367 (C. C. A. 7th, 1936):

> Whether a design which is novel and ornamental is entitled to coverage by a design patent depends to a large degree upon the reception which those for whom it is made, accord it.

We are aware that this court has said that in case of a serious doubt in the mind of the court after a careful review of the evidence, the doubt should be resolved in favor of the one seeking a patent. *Application of Drew*, 55 App. D. C. 291 4 F.(2d) 958 (1925); *In re Glafcke*, 51 App. D. C. 204, 277 Fed. 603 (1922); *In re Davidson*, 56 App. D. C. 279, 12 F.(2d) 814 (1926). It has also said that where there are, as here, concurring decisions of the patent tribunals, the court should be convinced beyond a reasonable doubt before reversing them that if a patent had been granted the court would upon the same record sustain it under attack. We are not doubtful under either of these rules that the application in the instant case should have been granted.

The decree of the District Court is

Reversed.

VAN ORSDEL, *A. J.*, sat during the argument of this case, but died before the opinion was prepared.

MARTIN, *C. J.*, dissenting:

The applicant, George S. Lewis, filed in the Patent Office an application for a patent for a design for a bicycle guard and lamp. He afterwards assigned his right and interest in the application to the present appellant, Battery Patents Corporation. An illustration of the design in question appears in the majority opinion of the court.

The application was considered and denied by the Primary Examiner in the Patent Office upon the following references: Humble, 1,069,550, August 5, 1913; Sawyer (Design), 92,114, April 24, 1934; Advertising Booklet of the Series 50 Buick Straight Eight for 1932, page 13, Model 32–56–S, fender and headlights.

The Examiner pointed out that the same configuration of a lamp on a fender is shown to be old in the catalogue citation picturing the Buick automobile. He also called attention to the Humble patent, showing the transverse or cross-sectional configuration of the guard embodied in the applicant's design. He further cited the design patent to Sawyer, disclosing a lamp upon the front wheel of a tricycle in a relation generally similar to that of applicant's. An appeal was taken from the Examiner's final ruling to the Board of Appeals, which held that the difference between the shape of applicant's guard and lamp and that of the Buick fender and lamp is not such as to constitute invention; that the general configuration of the bicycle guard, particularly with a lamp thereon, is shown to be old. The Board affirmed the decision of the Examiner.

Whereupon the appellant, as assignee of the applicant, filed suit in the District Court of the United States for the District of Columbia, under Sec. 4915, R. S. (Sec. 63, Tit. 35, U. S. C.), making the Commissioner of Patents party defendant and praying that the Commissioner be directed to issue a patent to plaintiff upon the application.

The case was tried before the lower court, which entered findings of fact and conclusions of law in the record, holding that the design of the Lewis application does not disclose invention over the prior art as exhibited in the patents and publication in evidence; that the appellant is not entitled to the issuance of a patent on the application of its assignor, Lewis. The court thereupon dismissed appellant's bill, with costs, and from that decree this appeal is taken.

It thus appears that the Lewis application was denied by the unanimous rulings of the Patent Office tribunals, and that their holding was sustained by that of the lower court. It is clear, therefore, that the decision of the lower court should not be reversed unless it appears that it is clearly and obviously erroneous.

I am of the opinion that the decree of the lower court should be affirmed.

A reference to the Sawyer patent, supra, shows a velocipede in which the mudguard is extended beyond what corresponds to the fork of the bicycle, that is, the portion of the frame to which the handle bar is fastened, and has a lamp placed on the guard in a position almost exactly the same as that shown in appellant's design. A velocipede is a vehicle of the same general character as a bicycle, and obviously there would be no invention in transferring any given design of guard and lamp from a velocipede to a bicycle. It must be remembered that the question here is not one of structure for functional purposes, but a question of design and appearance.

The picture of the Buick automobile appearing in the majority opinion is a reproduction of a cut in a Buick catalogue, showing, at the left hand side thereof, an automobile parking lamp of substantially the same shape as the lamp shown in the application of Lewis. There can be no invention in selecting from the prior art, where it had been used in a similar situation, a lamp of this shape and placing it on a bicycle mudguard in place of the lamp shown in the Sawyer patent. The Humble patent discloses a mudguard of substantially semicircular shape, similar to that shown in the Lewis application with a lamp thereon.

It seems clear that the Lewis design is the result of mere mechanical combination, and does not involve the exercise of invention. The elements comprising it are all old and were used for purposes similar to applicant's construction, serving no other purpose and presenting a substantially similar appearance.

The statute (Sec. 73, Tit. 35, U. S. C.) specifically provides that any person who has *invented* any new, original and ornamental design for an article of manufacture may obtain a patent therefor. In order to be patentable, a design must be the product of the inventive faculty, as distinguished from mere mechanical skill. In the case of *Smith* v. *Whitman Saddle Company*, 148 U. S. 674, 63 O. G. 912, the Supreme Court of the United States quoted with approval the language of Mr. Justice Brown in *Northup* v. *Adams*, 12 O. G. 430, as follows (p. 679):

> To entitle a party to the benefit of the act, in either case, there must be originality, and the exercise of the inventive faculty. • • • Mere mechanical skill is insufficient. There must be something akin to genius—an effort of the brain as well as the hand. The adaptation of old devices or forms to new purposes, however convenient, useful or beautiful they may be in their new role, is not invention.

See also: *Nat Lewis Purses* v. *Carole Bags*, 83 F.(2d) 475, 476 (C. C. A. 2d, 1936); *A. O. Smith Corp.* v. *Petroleum Iron Works Co.*, 73 F.(2d) 531, 538 (C. C. A. 6th, 1934); *Berlinger* v. *Busch Jewelry Co.*, 48 F.(2d) 812, 813 (C. C. A. 2d, 1931); *In re Walter*, 39 F.(2d) 724, 725 (C. C. & P. A., 1930); *Strause Gas Iron Co.* v. *William M. Crane Co.*, 235 Fed. 126, 131 (C. C. A. 2d, 1916); *Fox* v. *Spiegel*, 50 F.(2d) 195, 196–7 (D. C. Conn., 1931).

It seems clear that in the design here involved the combination of elements, old in themselves, in a manner essentially similar to their former functions, and not differing substantially from their former appearance, is merely mechanical and does not attain to the dignity of invention.

In my opinion, therefore, the decree of the lower court should be affirmed.

U. S. Court of Customs and Patent Appeals

WILLIAMS OIL-O-MATIC HEATING CORPORATION

v.

UNITED FURNACE ENGINEERING COMPANY, INC.

No. 3,782. Decided March 29, 1937

[88 F.(2d) 719]

TRADE-MARKS—SIMILARITY—"MELTOMAT" FOR MELTING FURNACES AND "OIL-O-MATIC" FOR LIQUID FUEL BURNING DEVICES.

The term "Meltomat" as applied to melting furnaces *Held* not confusingly similar to "Oil-O-Matic" as applied to liquid fuel burning devices in view of the differences between the marks and the quite considerable differences between the use of the devices of the respective parties.

APPEAL from the Patent Office. Affirmed.

Mr. Langdon Moore and *Mr. James Atkins* for Williams Oil-O-Matic Heating Corporation.

Mr. M. E. Jones and *Mr. William G. Doolittle* for United Furnace Engineering Company, Inc.

GRAHAM, *P. J.*:

The appellee has filed an application in the United States Patent Office for registration of the trade-mark "Meltomat" to be used in connection with the sale of melting or similar furnaces, in Class 34, heating, lighting, and ventilating apparatus, not including electrical apparatus. It is alleged the mark has been used continuously in said business since about January 10, 1933.

The appellant filed notice of opposition to said registration, alleging that it was engaged in the business of manufacturing and selling liquid fuel burning devices. It further appears from the notice of opposition and the stipulated facts that in connection with said business it had used the trade-mark "Oil-O-Matic", which it had adopted on or about January 15, 1920, and which had been used continuously thereafter until the present time; that the opposer also had used the trade-mark "Dist-O-Matic" as a trade-mark upon liquid fuel burning devices since March 9, 1928, and the trade-mark "Gas-O-Matic" since on or about February 28, 1929, on automatically electrically controlled and operated fuel heating systems; that the plant investment of the opposer is very large, together with its advertising expenditure, and that it has acquired a valuable good will, and that it believes the registration of the mark "Meltomat" would tend to cause confusion in the mind of the purchasing public with the goods of the opposer, and would result in damage and injury.

The parties agreed upon stipulated testimony. On the part of the appellee, it is agreed that the witnesses would testify that the mark "Meltomat" was adopted for the manufacture and sale of melting furnaces particularly designed for the melting

and conversion of non-ferrous metals; that these furnaces so manufactured comprised oil burning, crucible-using melting machines, and that the name "Meltomat" has been used since on or about January 10, 1933, continuously. On the part of the opposer, in addition to the facts already stated, it is stipulated that the witnesses would testify that the trade in the opposer's device has become very large; it is also stipulated, on the part of the opposer, that as early as 1921 Oil-O-Matic oil burners have been used in melting furnaces for stereotype by newspaper publishers, and are being used for that purpose at the present time. It also appears that during the summer of 1927, three Oil-O-Matic burners were installed, and successfully used, in connection with a gold mine at Idaho Springs, Colorado. One burner was used in the furnace to melt the ore and smelt it into its various component parts, and the other two were used in retorts to drive off the sulphur and reduce the ore to a concentrate ready for shipment.

The questions arising in the case are as to the same descriptive character of the goods, and the confusing similarity of the trade-marks. The marks are different in many respects. The marks of the opposer end with the two syllables "Matic", which, in themselves, have a distinctive sound. It will be borne in mind that the distinctive goods which are involved here are costly, and involve close discrimination in buying. This feature we called attention to in the recent case of *Williams Oil-O-Matic Heating Corp.* v. *Edward P. Bliss, Jr.*, 19 C. C. P. A. (Patents) 821, 54 F.(2d) 430, 416 O. G. 537. Where such discrimination in buying is exercised, there is not so much probability of confusion as in ordinary cases where less discrimination is exercised.

Again, the devices, while both are used for heating, are much different in their other ordinary uses. The ordinary use of the Williams device is for the heating of buildings, while the "Meltomat" devices are used for a much rarer purpose, namely, smelting or melting metals. It is true that it is shown that the Oil-O-Matic and Dist-O-Matic devices are sometimes used for stereotype heaters, and on one rare occasion for smelting purposes, but this is an exceptional use, and one which it appears is not the use by which these devices are commonly known.

While we are of opinion that the heating devices of the appellant and the opposer might broadly be considered to be within the same general class, we are nevertheless of the opinion that because of the considerable distinction between the sound of the marks, their number of syllables, and difference in spelling, and the quite considerable difference in the general use of the devices, that the opposition was properly overruled, and that the appellee is entitled to registration and the opposition should be dismissed.

Many authorities on this subject are collated in our recent case of *Meredith Publishing Co.* v. *Scott & Sons Co.* (Suit No. 3683), 24 C. C. P. A. (Patents) —, 88 F.(2d) 324.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this case.

U. S. Court of Customs and Patent Appeals

FISHBURN ET AL. *v.* VINCENT

No. 3,753. Decided March 29, 1937

[88 F.(2d) 711]

1. INTERFERENCE—RIGHT OF PARTY TO MAKE CLAIMS—MOTION TO DISSOLVE FILED LATE.

Where a party to an interference does not file a motion to dissolve the interference on the ground that his opponent can not make the claims, until after the motion period has expired and gives no sufficient reason for the delay, he may not be heard on an appeal from an award of priority, to argue that question.

2. SAME—PRIORITY.

Record reviewed and *Held* that priority of invention was properly awarded to V., the senior party.

APPEAL from the Patent Office. Affirmed.

Messrs. Hood & Hahn, Mr. William P. Hahn, and *Mr. Charles M. Thomas* for Fishburn and Robbins.

Messrs. Rector, Hibben, Davis & Macauley, Mr. Harry W. Lindsey, Jr., Mr. Francis G. Cole, and *Mr. Milton Tibbetts* for Vincent.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention of the subject-matter in issue to appellee.

The counts of the interference are Nos. 1 to 4, inclusive, of which count 1 is illustrative. It reads:

Count 1. A synchronizer comprising, in combination with a driving and a driven member, a clutch member mounted on one of said members having a friction clutch portion and a positive clutch portion, said positive clutch portion having radial teeth, a hub rotatively fixed on and axially movable on the other member having a friction clutch portion *and radial positive clutch teeth in end to end relation with the radial clutch teeth of said first mentioned clutch portion*, an axially movable rotatively fixed locking member surrounding said hub for bridging the teeth of the two clutch members to lock the two clutch members together and means for resiliently locking said locking member and hub together axially. [Italics ours.]

Appellants' application was filed December 22, 1930, Serial No. 504,084.

Appellee's application was filed July 10, 1930, Serial No. 466,949.

Appellants are the junior parties, and the burden is upon them to establish priority of invention by a preponderance of the evidence.

The Examiner of Interferences held that the evidence submitted by appellants was not sufficient to warrant a holding that they had either conceived or reduced the invention to practice prior to appellee's filing date. The Examiner then stated the grounds—five in number—upon which appellants sought to prevail over appellee. However, only two of those grounds are before us for consideration. It is unnecessary, therefore, to refer to the Examiner's decision on other points presented to him.

With reference to the first ground before us, upon which appellants sought to prevail over appellee, namely, that appellee disclaimed in his testimony the subject-matter of the counts involved in the interference, the Examiner of Interferences said:

The contention that Vincent has disclaimed the invention is based solely upon an answer given by Vincent to a question put on cross-examination with respect to the disclosure of his application. The question and answer read as follows:

XQ. 13. And you would, therefore, say that the radial positive clutch teeth, 35, on the hub, are not in end to end relation with the radial positive clutch teeth, 38, isn't that correct?

A. Correct.

It may be noted that each of the issue counts specifies that the radial positive clutch teeth on the hub are in end to end relation with the positive clutch teeth 35 on the driving shaft.

If Vincent's statement, quoted above, was the only evidence as to the disclosure of his application, this contention on the part of Fishburn et al., might carry some weight, but the application is a Patent Office record and the Office is the sole judge as to what is disclosed therein. It is well settled that testimony to explain the disclosure of pending applications is inadmissible. *Cooper* v. *Downing*, 1916, C. D. [3] 4. And no reason is seen for making an exception in this case. The counts are either supported by the Vincent application or they are not, and nothing that Vincent or anyone else can say will alter that fact. It may be noted that the present situation differs from those in the cases cited by Fishburn et al., which involve an unqualified disclaimer of the invention set forth in the counts, or a deliberate and formal admission that such invention was not disclosed in the application.

Accordingly it is held that Vincent has not disclaimed the invention in issue.

The second ground before us, that is, that appellee failed to disclose the subject-matter of the counts of the interference in his involved application, was discussed by the Examiner of Interferences as follows:

Under the authority of *Isom* v. *Dubbs*, 1928, C. D. 102 and *Dreyfus* v. *Lilienfeld*, 1931, C. D. 681, Fishburn et al., cannot be held to urge this contention since they have failed to raise it during *the motion period by motion to dissolve*. While Fishburn *did bring a motion to dissolve after testimony was taken*, this motion was dismissed on November 7, 1934, on the ground that insufficient excuse was alleged for the delay in filing the same. No petition was taken from this dismissal. [Italics ours.]

While as pointed out in *Smith* v. *Foley*, 1918 [1908], C. D. 210, the Examiner of Interferences can consider the question of disclosure on his own motion, it is not believed that the circumstances of this case justify such action. Without passing upon the question as to whether Vincent discloses teeth on the hub member which are sufficiently in end to end relation with the positive clutch teeth 35 to support the issue counts, it may be noted that the Vincent Exhibits A and B and the testimony with respect thereto establish conception by Vincent of a structure which unquestionably supports the issue counts as early as October, 1928. Note also that Vincent's patent, 1,901,713, which was copending with his present application, also discloses a structure clearly within the issue. [Vincent's Exhibit R. A reissue application "of Letters Patent Number 1,901,713, dated March 14, 1933"]. In view of these circumstances it is apparent that Vincent is the first inventor of the subject-matter in issue and *could have taken steps to amend the issue or substitute a reissue of his aforesaid patent for his present application if he had received timely notice of this ground of attack*. This is just what was done by Vincent when Fishburn et al., filed his motion to dissolve after the taking of testimony; but the motion by Vincent under rule 109 was dismissed in view of the dismissal of the Fishburn et al., motion to dissolve. [Italics ours.]

Accordingly it is held that for the purpose of the present controversy it must be presumed that the issue counts are supported by the Vincent application.

The Examiner of Interferences held that as appellants, the junior parties, failed to overcome the filing date of the senior party, Vincent, priority of invention should be awarded the latter.

In affirming the decision of the Examiner of Interferences, the Board of Appeals stated that appellee had not disclaimed the invention by his testimony, referred to in the Examiner's decision, and held that as appellant failed to file a motion to dissolve the interference on the ground that appellee's application did not disclose the invention defined by the appealed counts during the motion period, as provided in rule 122 of the Rules of Practice in the United States Patent Office, that issue was not before the tribunals of the Patent Office.

In concluding its decision, the Board said:

The question as to whether the counts can or cannot properly be made in the Vincent application involved in the interference or in his reissue is one which, in our opinion, may properly be left to the consideration of the Primary Examiner. We believe that it is best for us to confine our decision to the question before us.

In this court, counsel for appellants state in their brief under the heading "questions involved", that—

The sole question involved in this appeal may be summarized as follows:

(1) Does Vincent's admission in the testimony that his involved application fails to disclose the subject matter of the counts of the interference constitute a disclaimer of his right to the claimed invention?

The Board of Appeals substantially followed the decision of the Examiner of Interferences on this question.

The Examiner of Interferences erroneously refused to accept the sworn statement as a disclaimer. Apparently his view was due to the belief that although the involved application failed to illustrate the claimed invention, Vincent, nevertheless, was entitled to an award of priority because of certain extraneous proofs alleged to establish conception prior to Fishburn's date. It is immaterial what Vincent may have conceived. To receive an award of priority, the involved application must carry a clear and complete disclosure of the claimed invention.

(2) Does Vincent's sworn declaration that the subject matter of the counts is not supported by the involved disclosure constitute a binding admission against interest?

The admission or declaration is made by the principal and is, therefore, admissible and binding on him.

and, under the heading "errors relied on", that—

The errors relied on are:

(1) That the Board erred in holding that the testimony of Vincent does not constitute a disclaimer of the subject matter of the counts of the interference.

(2) In following the decision of the Examiner of Interferences and holding that the Vincent application discloses the subject matter of the counts of the interference and awarding priority to Vincent.

Accordingly, we will limit our discussion to the "questions involved", and the two errors relied upon by counsel for appellants.

The first contention of counsel for appellants is that appellee disclaimed the invention by the following testimony given on cross-examination: "XQ. 135. And you would, therefore, say that the radial positive clutch teeth, 35, on the hub, are not in end to end relation with the radial positive clutch teeth, 38, isn't that correct? A. Correct."

It is clear from other testimony given by appellee that he had no intention of admitting that his application failed to disclose the subject-matter of the counts of the interference, or that he intended to disclaim the involved invention.

It seems to have been the practice in the Patent Office over a period of many years to reject, except in very exceptional cases, testimony offered for the purpose of explaining the disclosure of a pending application. See *Cooper* v. *Downing*, 1916 C. D. 3, 4, wherein the Commissioner of Patents made the following statement:

It is not the practice of this office to permit expert testimony to explain what an application discloses. The tribunals of this office are presumed to be sufficiently expert to understand the technical terms, and they are in

possession of information as to the state of the art upon which any alleged improvement is grounded. Therefore, expert evidence is admissible, if at all, in very exceptional cases.

Furthermore, under Patent Office practice, as a general rule, motions to dissolve an interference arising out of the testimony in the case will not be considered. *Sullivan* v. *Thompson*, 1901 C. D. 21; *Shallenberger* v. *Andrews*, 1902 C. D. 346, and cases therein cited; *Winton* v. *Jeffery*, 1904 C. D. 386.

The second error relied upon by appellants is that the Board of Appeals erred in "following the decision of the Examiner of Interferences, and holding that the Vincent application discloses the subject matter of the counts of the interference and awarding priority to Vincent."

It appears from the record, as stated by the tribunals of the Patent Office, that appellants' motion to dissolve the interference, on the ground that appellee's application did not disclose that the radial positive clutch teeth on the hub were in end to end relation with the positive clutch teeth on the driving shaft, as called for by each of the counts, was not filed until after the taking of the testimony in the case, and, therefore, was not within the motion period, as provided in rule 122 of the Rules of Practice in the United States Patent Office.

The motion to dissolve contains the statement that appellants failed to discover that appellee's application did not disclose the invention until appellee testified.

The Examiner of Interferences held, and was sustained by the Board of Appeals in so holding, that as the motion to dissolve was not filed during the motion period, and as the excuse offered for the delay in filing it was wholly insufficient, it should be dismissed.

[1] Appellants having failed to file the motion to dissolve, hereinbefore referred to, during the motion period, and having failed to give sufficient reason for the delay in filing, they cannot now be heard to argue that appellee's application does not disclose the involved invention. See *Felbel* v. *Oliver*, 1900 C. D. 150; *Smith* v. *Foley* v. *Anderson* v. *Smith*, 1908 C. D. 210; *Isom* v. *Dubbs*, 58 App. D. C. 25, 24 F.(2d) 467, 370 O. G. 760; *Urschel* v. *Crawford*, 22 C. C. P. A. (Patents) 727, 73 F.(2d) 510, 451 O. G. 238; *Rossiter* v. *Ellis*, 22 C. C. P. A. (Patents) 793, 74 F.(2d) 455, 454 O. G. 5.

[2] We find ourselves in complete accord with the conclusion reached by the tribunals of the Patent Office, and the decision of the Board of Appeals is affirmed.

In accordance with the stipulation entered into by the parties, filed in the Patent Office January 30, 1936, the costs of printing in the record the following papers is taxed against appellee: "File-wrapper and contents of Vincent application 466,949," except the application itself, and

"Amendment to the Vincent application, Serial No. 466,949, dated November 2, 1934 and included in the motion under rule 109."

Affirmed.

GRAHAM, *P. J.*, did not participate.

U. S. Court of Customs and Patent Appeals

TOMLIN *v.* DUNLAP

No. 3,792. Decided March 29, 1937

[88 F.(2d) 727]

1. INTERFERENCE—ORAL TESTIMONY.

Testimony of a witness given after a lapse of three years that T. disclosed the invention in issue to him on March 7, 1931, *Held* entitled to little weight in fixing the time of disclosure where it appears that he had almost daily consultations with T. before and after that date.

2. SAME—PRIORITY.

Evidence reviewed and *Held* insufficient to establish a conception by T., the junior party of the invention, prior to the admitted date of conception of D. and that priority was properly awarded to D.

APPEAL from the Patent Office. Affirmed.

Mr. John R. Tomlin, Messrs. Philipp, Sawyer, Rice & Kennedy, and *Mr. Cleon J. Sawyer* for Tomlin.

Mr. Carl S. Lloyd for Dunlap.

LENROOT, *J.*:

This is an appeal in an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding to appellee priority of invention as to all the counts involved, numbered 1 to 9, inclusive.

Count 1 is illustrative of the counts in issue and reads as follows:

1. The method of joining the webs of successive rolls of paper supplying a printing press, which consists in bringing a new roll having dry adhesive applied to the web thereof up to desired speed, moistening the adhesive while said new roll is rotating, and producing pressure between said new roll and the web proceeding from an expiring roll, whereby the adhesive is caused to adhere to the expiring web thus connecting the new web thereto without stopping the press.

The involved invention is concisely described in the decision of the Board of Appeals as follows:

The issue relates to alleged improvements in printing machinery, and more particularly to a method of introducing a new supply of paper in roll form to a press upon exhaustion of the previous supply. The method claimed involves the application to the roll to be added of an adhesive in dry form, bringing the roll up to a peripheral speed corresponding to that of the web being printed, moistening the adhesive and producing pressure between the roll thus treated and the web to cause the moistened adhesive to adhere to the web passing through the press and be threaded in turn therethrough. This operation is designed to take place without stopping the press, and preferably at normal printing speed.

Both parties took testimony. The only question brought here for review is whether the Board of Appeals erred in affirming the decision of the Examiner of Interferences that, upon the weight of the evidence, appellee was entitled to an award of priority of invention.

The interference arises between two applications for patent, that of appellant filed February 17, 1932, Serial No. 593,447, and appellee's application filed August 24, 1931, Serial No. 559,112. Appellant is therefore the junior party and the burden was upon him to establish priority by a preponderance of evidence.

The interference was originally declared on October 18, 1932, and at that time involved only counts 1 and 2. On November 18, 1932, appellant filed his preliminary statement with respect to said counts 1 and 2 and alleged that he conceived the invention

"on, about or before June 1, 1931, and on or about June 1, 1931, disclosed to others the invention of said counts."

He further stated in said preliminary statement:

There has been no reduction to practice of the invention other than filing applications for patents, and there has been no commercial use.

On January 4, 1933, appellant amended his preliminary statement, the only modification of his original statement being the allegation that he conceived the invention "on or about June 1, 1931," instead of "on, about or before June 1, 1931," as set out in his original statement.

Thereafter appellant copied ten claims from appellee's application and moved to add the same as additional counts of the interference. This motion was not opposed by appellee. Appellant also gave notice that at the final hearing he would refer to and use as evidence a patent issued to him on April 18, 1933, No. 1,904,571, and the original application and file wrapper in connection therewith. After various interlocutory proceedings, not material here, appellant's motion to add counts was allowed in part, and the interference was redeclared on February 2, 1934, upon the counts now before us.

On January 24, 1934, appellant filed a motion to amend his last preliminary statement as to counts 1 and 2, setting up the same dates of conception and reduction to practice as were later included in his preliminary statement with respect to the added counts of the interference, which dates are hereinafter set forth. He further moved that decision on this motion be postponed until final hearing on priority. On March 1, 1934, the Examiner of Interferences postponed consideration of the motion until final hearing.

On February 20, 1934, appellant filed a preliminary statement as to counts 3, 4, and 6 to 9, inclusive, and in this statement alleged conception and disclosure to others of the invention embraced in said added counts on or about March 7, 1931, a written description made on August 18, 1931, and reduction to practice on September 3, 1931. Said preliminary statement made no reference to count 5.

Upon final hearing, the Examiner of Interferences denied appellant's motion to amend his preliminary statement as to counts 1 and 2.

Upon appeal to the Board from the Examiner's award of priority to appellee, error was assigned in denying said motion to amend. While the Board recited this motion to amend and its denial, no express ruling was made thereon, but there was a general affirmance of the decision of the Examiner of Interferences. Upon appeal to this court, no reference is made to this motion or its denial in appellant's reasons of appeal, and therefore no question of error with respect to it is presented to us.

The Examiner of Interferences in his decision awarding priority to appellee held that, inasmuch as appellant had filed no preliminary statement as to count 5, judgment against him on this count must be entered, regardless of the evidence produced. In appellant's appeal to the Board, no error was assigned with respect to this ruling on count 5; the Board made no express reference to it and no error is assigned here in appellant's reasons of appeal; therefore, that question is not before us, although appellant's reasons of appeal appear to embrace all of the counts.

Before us appellant in his brief concedes that, upon the record, appellee is entitled to a date of conception as to all of the involved counts as of June 27, 1931, and constructive reduction to practice on August 24, 1931. In view of our conclusions hereinafter stated, and in view of such concession by appellant, it will be unnecessary to consider appellee's proofs in the case.

With respect to appellant's proofs, the Examiner of Interferences found that appellant's patent, No. 1,904,571, granted on an application filed prior to the conception date claimed by appellee in his preliminary statement, does not disclose the invention here involved, and stated with respect thereto as follows:

Tomlin has obtained a patent (1,904,571) granted on an application filed prior to the conception date of either party and disclosing every feature of the present counts except that instead of spraying a liquid solvent on dry adhesive, a liquid glue is sprayed onto the paper. The drawings of Tomlin's patent and application are identical. Since the counts have been held allowable over this patent it is clear that this use of water on dry glue, as distinguished from using wet glue, is the sole inventive feature and that Tomlin's case turns on when he conceived and developed this idea.

Before us appellant does not challenge the accuracy of this statement, and he depends wholly upon the evidence produced by him to establish priority of invention.

Upon the evidence produced, the Examiner of Interferences held that appellant had failed to establish conception of the invention prior to the dates accorded to appellee for conception, and that, even if appellant should be accorded an earlier date of conception, he was lacking in diligence in reducing the invention to practice at the time appellee entered the field.

The Board of Appeals concurred with the Examiner in holding that appellant had not established conception of the invention prior to the date for conception which appellant conceded appellee had established. The Board did not expressly pass upon the question of diligence referred to by the Examiner.

The entire case turns upon the probative weight that should be given to the testimony in behalf of appellant. The Examiner of Interferences in his decision stated that the only documentary evidence produced unequivocally referring to the use of water on dry glue, instead of the use of liquid glue, is the order for the preparation of appellant's application, which order is dated August 18, 1931, nearly two months after appellee's conception of the invention, and only six days before appellee's filing date. Upon an examination of the record we find this to be true.

There are in the record certain other documentary evidence and physical exhibits, but none of these disclose the invention here involved, nor do any of them have any connection with the invention here considered other than that they are connected with certain oral testimony on behalf of appellant.

As stated by the Examiner of Interferences, the use of water on dry glue, as distinguished from the use of wet glue, is the sole inventive feature here involved. This water is sprayed on dry adhesive, previously applied upon a roll of paper, by means of valves shown in appellant's prior patent. However, the valves in the patent are used for the purpose of spraying wet glue or other adhesive material on to the roll of paper. In other words, the only difference between appellant's patent and the invention here involved is the use of the valves for spraying water on dry adhesive material previously applied to the paper, instead of spraying wet glue through said valves.

Therefore, appellant's case depends wholly upon oral testimony given more than three years after the events testified to by appellant's witnesses, and such testimony is dependent wholly upon the recollection of the witnesses.

It appears that appellant, who is a patent attorney, was, from December, 1927, until February 15, 1933, executive engineer of R. Hoe & Company, a large manufacturer of printing presses, and that all of the other witnesses on behalf of appellant are present or former employees of said company.

Appellant testified positively that he conceived the invention and disclosed it to one Lundquist, engineer in charge of the "Research and Development Department," and to one Hezel, a draftsman. He fixed the date by reference to certain drawings, dated March 7, 1931, one of which drawings is of a valve "used for depositing either glue or solvent." In other words, there is nothing in said drawings disclosing this invention, but appellant fixes his conception of the invention by the date of the drawings. He testified that upon seeing them he told Lundquist, in the presence of Hezel, that

"• • • if glue, due to its viscosity, was so difficult to deposit, that I had definitely given thought to applying a solvent, water or any other solvent, and this valve in which a piston was employed definitely caused my mind to shift to the perfection of an idea for depositing either water or solvent on the terminal of a roll of paper."

He further stated:

Q. 20. With this solvent as conceived by you at that time for use with this piston valve, how did you propose to use the solvent? A. I proposed to use it precisely as we would glue, the only difference being the solvent being more mobile than glue, it would be less difficult to deposit.

Appellant further testified that he also disclosed his conception to other employees of the Hoe Company, viz., Stanley Myers, Louis A. Masson, Albert H. Jung, and Albert J. Horton.

Before further considering the testimony of appellant, we will briefly consider the testimony of the other witnesses. Mr. Hezel did not testify. The witness Lundquist testified, with reference to appellant's claimed disclosure, as follows:

Q. 11. Did you have any conversation with Mr. Tomlin, the inventor of the patent in interference, at the time of making this drawing of March 7th? A. Yes; at that time and *previous to that time* Mr. Tomlin had disclosed to me his idea of development of a valve for either glue or water or other solvent. [Italics ours.]

It thus appears that the witness Lundquist testified to a date of disclosure to him antedating the time of conception positively testified to by appellant.

[1] The witness testified further that he discussed matters relating to his department with appellant almost every day; that many drawings were made of many experimental devices, and yet he was positive from his own recollection that appellant disclosed the invention to him on March 7, 1931, and even before that date. Upon this point he testified on cross-examination as follows:

XQ. 119. Do you mean to tell us after this length of time you can tell what date it was, three years ago, when you heard Mr. Tomlin mention the use of a solvent to you? A. Yes, I believe so, because we were in very frequent consultation on the subject.

It would seem obvious that the fact that appellant and witness had frequent consultations on the subject would not aid the witness in fixing the exact date of appellant's disclosure.

Conceding the intention of the witness to testify accurately, it is apparent that little weight should be given his testimony with respect to the time of appellant's disclosure to him of the invention.

We find nothing in Masson's testimony tending to corroborate appellant's testimony that he conceived the invention and disclosed it to others prior to June 27, 1931, appellee's date of conception.

The witness Myers testified to a disclosure of the invention to him by appellant after the valve was made pursuant to the drawing of March 7, 1931. As to the date of such disclosure he testified as follows:

Q. 10. Can you fix the date, approximately, when you had this conversation with Mr. Tomlin? A. I cannot give you the exact date of it, but I know that it was very soon after the valve was made up, because it was after the first test had been made they found they could not get the glue out fast enough.

Upon cross-examination, the witness testified as follows:

XQ. 42. Just noticing these tickets, work tickets, representing work done by Mr. Kovach, which bear dates running from March 11, 1931—the last one I see is July 1st, 1931—you think it might have been shortly after July 1st that you discussed this matter with Mr. Tomlin? A. I would not say July, because I don't know what date it would be; I know it was after the first test on that first valve.

The witness Jung was employed to design glue valves for use in a web replenishing machine. He testified that certain sketches, which are in the record as exhibits, were made by him in April, 1931, and that the valves shown in these sketches were to be used for "Both glue and water." He further testified that during the time he made these sketches appellant suggested to him "that we spray water with those valves." The witness fixes the time of this disclosure with reference to his stay in a hospital, stating that the disclosure was prior to his going to the hospital on April 20, 1931.

We find nothing in the testimony of the witness Horton tending to corroborate appellant's testimony that he conceived the invention prior to June 27, 1931, the date conceded to appellee for conception.

With respect to appellant's testimony, we would observe that in his preliminary statement with respect to counts 1 and 2, he alleged that he conceived the invention on or about June 1, 1931, and that there was no actual reduction to practice prior to his filing date, while his testimony is positive that he conceived and disclosed it on March 7, 1931, and that it was actually reduced to practice in September, 1931, and that he saw the apparatus successfully operated about ten times, using the method embraced in the involved counts. We do not refer to this as intimating that appellant was not honestly of the opinion on January 4, 1933, the date of said preliminary statement, that he conceived the invention on or about June 1, 1931, or that he was not likewise honestly of the opinion on February 20, 1934, that he conceived it on or about March 7, 1931, and that it was actually reduced to practice on or about September 3, 1931. Appellant explains the discrepancy in the statements by stating that the first preliminary statements were made wholly upon his own recollection after consulting with the witness Horton, while his last preliminary statement was made after refreshing his memory by conversations with the witnesses Lundquist and Myers. We think it proper to observe that appellant had nothing to gain by alleging in his last preliminary statement a date of conception earlier than the date alleged in his first statement, for either date, if established, would have antedated the date of conception of the invention by appellee. We refer to this matter only for the purpose of calling attention to the fact that the recollection of appellant was not clear as to dates, as might be expected after a lapse of three years where there were no records, prior to August 18, 1931, that are positively identified with the invention here involved.

We would further observe that there were drawings made and glue valves produced during a period from March, 1931, until after June 27, 1931, and the disclosure of the invention by appellant might have been before or after June 27, 1931, and appellant and his witnesses may have been mistaken in the dates of disclosure testified to by them.

[2] We have not attempted to analyze in this opinion all of the testimony in the case, but after a careful examination of the entire record we are inclined to the opinion that the Patent Office tribunals rightly found that appellant had not established a date of conception of the invention prior to June 27, 1931, and in any event we cannot find that the concurring decisions of the Patent Office tribunals upon this point were manifestly wrong. Under the well established rule, it would be necessary for us so to find in order to reverse the decision of the Board of Appeals in this case.

Inasmuch as we must conclude from the record that appellee was the first to conceive and disclose the invention, and was diligent in reducing it to practice by filing his application for a patent, it is unnecessary for us to consider actual reduction to practice by either appellant or appellee.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,141,402, R. D. Mershon, Electrolytic apparatus employing filmed electrodes; 1,784,674, same, Film formation and operation of electrolytic condenser and other apparatus, C. C. A., 1st Cir., Doc. 3233, *R. D. Mershon et al.* v. *Sprague Specialties Co.* Decree reversed Aug. 23, 1937.

1,243,170, 1,243,171, R. Herz, Vat dyes and process of making same, D. C. Dela., Doc. E 998, *The Chemical Foundation, Inc.*, v. *General Aniline Works, Inc.* Dismissed July 22, 1937.

1,243,171. (See 1,243,170.)

1,374,954, A. L. Ruthven, Electro-magnetic train control and danger indicating means and recording means; 1,470,107, same, Combination automatic and manually operable air brake, power control, and alarm system, C. C. A., 2d Cir., Doc. 15,418, *Union Simplex Train Control Co., Inc.*, v. *General Rwy. Signal Co. et al.* Decree affirmed (notice Aug. 25, 1937).

1,470,107. (See 1,374,954.)

1,503,546, A. W. Menzies, Method and apparatus for obtaining repeated movement of a liquid and its vapor; 1,856,098, S. S. Green, Novelty lamp; 1,972,155, J. D. McMaster, Display device; 2,041,135, A. Kaufman, Illuminated sign; 1,977,093, S. Sechi, same, appeal filed Aug. 20, 1937, C. C. A., 2d Cir., Doc. 15,548–9, *Biolite, Inc.*, v. *S. Sechi et al.*

1,513,637, M. Schwartz, Bushing; 1,633,555, F. R. Burgess, Container and sealing means therefor; 1,982,145, J. W. Shera, Closure device for metallic container, filed Aug. 2, 1937, D. C., E. D. Pa., Doc. 9797, *American Flange & Mfg. Co., Inc.*, v. *Rheem Mfg. Co. et al.*

1,549,177. (See 1,573,497.)

1,550,824, H. Kuester, Wire working machine; 1,679,204, Coney & Garlius, same; 2,035,658, A. J. Lewis, same; 1,695,603, F. Magidson, Machine for manufacturing wire garment hangers, filed Aug. 19, 1937, D. C., S. D. N. Y., Doc. E 85/272, *Star Service Hanger Co.* v. *West Side Bag & Paper Co., Inc.*

1,564,378, H. Stein et al., Bleached and dyed furs; 1,573,200, same, Process of bleaching and dyeing furs, filed Aug. 23, 1937, D. C., S. D. N. Y., Doc. E 85/277, *Steinfur Patents Corp.* v. *Gordon & Rosenberg Furs, Inc.*

1,573,200. (See 1,564,378.)

1,573,497, E. J. Kroeger, Method and apparatus for making hollow articles; 1,549,177, J. T. Allen, Rubber molding apparatus; 1,623,022, H. M. Sturgeon, Molding press apparatus; 1,731,891, D. H. Felch, Hydraulic press, filed Aug. 9, 1937, D. C. Dela., Doc. E 1216, *Continental Rubber Works* v. *American Container Corp.*

1,604,133, E. Rebechini, Feeding mechanism; 2,065,093, same, Nut blanching machine, filed July 21, 1937, D. C., N. D. Ill., E. Div., Doc. 15,708, *E. J. Rebechini (Wizard Specialty Machinery Co.)* v. *The Lion Specialty Co. et al.*

1,618,809, Byron & Evans, Boot and shoe manufacture; 1,700,067, R. C. Merriam, Fabric binding, D. C., N. D. Ohio, W. Div., Doc. E 980, *Parco Specialty Co. et al.* v. *Williams Mfg. Co.* Consent decree dismissing bill with prejudice Aug. 20, 1937.

1,622,031, Des. 72,514, W. S. Elters, Register hood, D. C., N. D. Ohio (Cleveland), Doc. E 5574, *Beh & Co., Inc.*, v. *H. A. Bedol (Marshallan Mfg. Co.)*. Claims 1, 5, 6 of 1,622,031 held valid and infringed, claims 7, 9, 10, and 11 of 1,622,031 held valid but not infringed; Des. 72,514 held invalid for want of invention Aug. 17, 1937.

1,622,957. (See Re. 18,841.)

1,623,022. (See 1,573,497.)

1,625,391, Reilly & Stone, Tool for cutting and removing pipe from wells; 1,625,414, G. Kammerer, same, filed Aug. 20, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1238–J, *Kammerer Corp. et al.* v. *I. J. McCullough et al.*

1,625,414. (See 1,625,391.) 1,633,555. (See 1,513,637.)

1,648,341. (See 1,883,694.)

1,655,481, D. L. Van Leuven, Running gear; 1,926,727, G. L. Knox, Six-wheel attachment for motor vehicles, filed Aug. 6, 1937, D. C., N. D. Calif. (San Francisco), Doc. E 4206–S, *Six Wheel Corp. et al.* v. *J. Stern.*

1,679,204. (See 1,550,824.) 1,695,603. (See 1,550,824.)

1,700,067. (See 1,618,809.) 1,703,519. (See 1,703,520.)

1,703,520, J. P. Dovel, Apparatus for the protection of blast furnace jackets; 1,703,519, same, Method for the protection of blast furnace jackets, filed Aug. 16, 1937, D. C., N. D. Ala. (Birmingham), Doc. E 920, *J. P. Dovel & Co., Inc.*, v. *Woodward Iron Co.*

1,731,891. (See 1,573,497.)

1,760,036, W. S. Bellows, Table; 1,983,065, same, Table construction, filed Aug. 25, 1937, D. C., S. D. N. Y., Doc. E 85/284, *W. S. Bellows* v. *R. H. Macy & Co., Inc., et al.*

1,784,674. (See 1,141,402.) 1,789,949. (See 1,815,768.)

1,808,429, H. R. Minor, Method of regulating and maintaining heat transfer; 2,066,265, H. A. Freeman, Method of curing tires, filed Aug. 13, 1937, D. C., N. D. Ohio (Cleveland), Doc. E 5633, *The Liquid Carbonic Corp.* v. *The Goodyear Tire & Rubber Co.*

1,815,768, A. Georgiev, Electrolyte; 1,789,949, same, Electrolytic cells, C. C. A., 2d Cir., Doc. —, *Aerovox Corp.* v. *Micamold Radio Corp.* Decree reversed (notice Aug. 25, 1937).

1,840,012. (See 1,883,850.)

1,841,066, 1,980,298, R. B. Simning, Transport; 1,900,590, same, Vehicle; 1,998,853, same, Vehicle body structure, D. C., E. D. Mich. (Detroit), Doc. 7449, *Mechanical Handling Systems, Inc.*, v. *Whitehead & Kales Co.* Consent decree for plaintiff Aug. 12, 1937.

1,854,600. (See Re. 19,710.)

1,856,098. (See 1,503,546.)

1,863,953, T. R. Willwerscheid, Sign, filed Aug. 11, 1937, D. C. Minn., 4th Div., Doc. E 2976, *Western Stamping & Mfg. Co.* v. *General Outdoor Advertising Co., Inc.*

1,883,694, W. E. Goble, Brush picking and macerating machine; 1,648,341, same, Brush shredding and cutting machine, D. C. Calif. (Los Angeles), Doc. E 85–D, *M. B. Keithly* v. *W. G. Firstenberger et al.* Suit dismissed as to patent 1,883,694 Apr. 7, 1937. Decree for defendants, holding patent 1,648,341 valid and not infringed July 31, 1937.

1,883,850, O. Behimer, Process for making gasoline; 1,840,012, same, Apparatus for making gasoline, filed Apr. 23, 1937, D. C., N. D. Okla. (Tulsa), Doc. E 1238, *The Texas Co.* v. *Sunray Oil Co.*

1,889,758. (See Re. 16,870.)

1,900,590. (See 1,841,066.)

1,926,727. (See 1,655,481.)

1,957,596, J. W. Isett, Method of repairing, widening, and resurfacing concrete roads; 2,039,420, same, Method of constructing, repairing, and widening concrete roads, filed Aug. 26, 1937, D. C., N. D. Ohio, W. Div., Doc. E 1539, *J. W. Isett et al.* v. *Modern Construction Co.*

1,972,155. (See 1,503,546.) 1,977,093. (See 1,503,546.)

1,980,298. (See 1,841,066.) 1,982,145. (See 1,513,637.)

1,983,065. (See 1,760,036.)

1,987,205. (See Re. 16,870.)

1,998,853. (See 1,841,066.) 2,035,658. (See 1,550,824.)

2,039,182. (See Re. 16,870.)

2,039,420. (See 1,957,596.)

2,041,135. (See 1,503,546.) 2,065,093. (See 1,604,133.)

2,066,265. (See 1,808,429.)

2,072,347. (See Des. 92,437.)

2,082,689. (See Des. 95,668.)

Re. 16,870, 1,889,758, T. H. Nakken, Means for transforming light impulses into electric current impulses; 1,987,205, same, Light coupled projector; 2,039,182, same, Reproducing system, filed Aug. 23, 1937, D. C., E. D. N. Y., Doc. E 8348, *Nakken Patents Corp.* v. *Camera Center, Inc.*

Re. 18,841 (of 1,622,957), J. Mayer, Hair waving method, suit for declaratory judgment filed Mar. 5, 1937, D. C. Dela., Doc. E 1203, *Eugene, Ltd.*, v. *The Philad Co.* Consent decree dismissing bill, sustaining counterclaim, adjudging claims 3, 4, 5, and 6 of reissue 18,841 valid and infringed, injunction July 7, 1937.

Re. 19,710 (of 1,854,600), Pollak & Ostersetzer, Condensation product and method of making same, filed Aug. 21, 1937, D. C., E. D. Pa., Doc. 9815, *Catalin Corp. of America* v. *A. Knoedler Co., Inc.*

Des. 72,514. (See 1,622,031.)

Des. 92,437, G. L. Strebler, Cooler for dry and wet cooling bottled goods; 2,072,347, same, Refrigerator, filed Aug. 14, 1937, D. C., E. D. Mo. (St. Louis), Doc. 12,288, *Eagle Foundry Co.* v. *F. X. Meehan.*

Des. 95,668, B. A. Dickerson, Lamp, Des. 2,082,689, Des. 104,094, same, Portable lamp, filed Aug. 3, 1937, D. C., N. D. Ill., E. Div., Doc. 15,721, *Faries Mfg. Co.* v. *Art Specialty Co.*

Des. 104,094. (See 95,668.)

T. M. 55,858, Pabst Brewing Co., Beer, T. M. 228,411, T. M. 285,860, T. M. 228,282, Pabst Corp., Malt beverage, filed Aug. 11, 1937, D. C., N. D. Ill., E. Div., Doc. 15,734, *Premier-Pabst Corp.* v. *Better Bottlers, Inc.*

T. M. 74,765, Ford Motor Co., Explosive engines and their parts; T. M. 119,956, same, Electrically self-propelled vehicles and their parts; T. M. 266,453, same, Vehicle gasoline tanks, bolts, gaskets, etc.; T. M. 125,702, same, Rubber tires; T. M. 257,500, same, Spark plugs, electric switches, starter motors, etc., D. C., N. D. Ill., E. Div., Doc. 15,600, *Ford Motor Co.* v. *Heyne Motor Co. et al.* Injunction Apr. 9, 1937.

T. M. 119,956. (See T. M. 74,765.)

T. M. 125,702. (See T. M. 74,765.)

T. M. 228,282. (See T. M. 55,858.)

T. M. 228,411. (See T. M. 55,858.)

T. M. 257,500. (See T. M. 74,765.)

T. M. 266,453. (See T. M. 74,765.)

T. M. 285,860. (See T. M. 55,858.)

Adjudicated Patents

(C. C. A. Mass.) Warren patent, No. 1,334,423, for indicator for electrically-driven clocks, *Held* valid and infringed. *Warren Telechron Co.* v. *Waltham Watch Co.*, 91 F.(2d) 472.

(C. C. A. Mass.) Holtz patent, No. 1,892,552, for alternating current motor and method of controlling the speed thereof, *Held* valid and infringed. *Id.*

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 9, 1937

[VOL. 484. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 395,218. CIE DES PRODUITS CHIMIQUES ET CHARBONS ACTIFS ED. URBAIN, Paris, France. Filed July 15, 1937.

SULFIX

For Material in the Nature of a Porous Lava for the Purification of Gas.

Claims use since Jan. 30, 1936.

Ser. No. 395,498. WESTERN MINERALS, INCORPORATED, Baxter Springs and Pittsburg, Kans. Filed July 21, 1937.

WESTERN MINERALS · INCORPORATED · WESTERN

WESTERN TRIPOLI

The word "Tripoli" is disclaimed apart from the mark.

For Tripoli.

Claims use since July 1, 1937.

CLASS 2

Receptacles

Ser. No. 394,295. THE MASON BOX COMPANY, Attleboro Falls, Mass. Filed June 19, 1937.

MAIL MASTER

No claim is made to the background formed by horizontal and vertical lines used alone.

For Paper, Paper Board, Box Board, and Fiber Shipping Cartons and Boxes.

Claims use since August, 1935.

Ser. No. 395,697. BOND-PENN TUBE COMPANY, Wilmington, Del. Filed July 28, 1937.

Solo-Sell

For One Dose Collapsible Metal Tubes.

Claims use since May 15, 1937.

Ser. No. 397,634. WESTERN PIPE AND STEEL COMPANY OF CALIFORNIA, San Francisco, Calif. Filed Sept. 21, 1937.

WESTERN PIPE & STEEL CO OF CALIFORNIA

For Steel Storage Tanks.

Claims use since July 10, 1914.

Ser. No. 397,635. FIBREBOARD PRODUCTS INC., San Francisco, Calif. Filed Sept. 21, 1937.

Hi-Speed

For Containers and Receptacles and Parts Thereof Made From Paper, Cardboard, Fibreboard, Tag Board, and Corrugated Board, Namely—Folding Cartons, Clothing Boxes, Millinery Boxes, Cake Boxes, Folding Hat Boxes, Laundry Boxes, Florist Boxes, and Candy Boxes.

Claims use since July 20, 1937.

Ser. No. 397,788. L. B. BARBER, doing business as Vivian Manufacturing Company, St. Louis, Mo. Filed Sept. 25, 1937.

TOP-ICER

For Ice Delivery Bags.
Claims use since Apr. 20, 1935.

Ser. No. 397,844. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Filed Sept. 27, 1937.

CARDINAL

For Paper Bags and Sacks.
Claims use since Sept. 1, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 396,750. JULIUS RESNICK, INC., New York, N. Y. Filed Aug. 25, 1937.

STARLET

For Ladies' and Children's Handbags and Pocketbooks.
Claims use since Aug. 5, 1937.

Ser. No. 397,026. ELANBEE SALES COMPANY, INC., New York, N. Y. Filed Sept. 2, 1937.

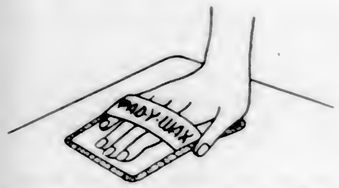
ELANBEE

For Ladies' Handbags.
Claims use since June 18, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 363,229. THE PAD-Y-WAX COMPANY, INC., New York, N. Y. Filed Mar. 30, 1935.



The representation of a waxing pad and the words "Wax" and "Pad" are disclaimed apart from the mark.
For Wax Bearing Waxing Pads.
Claims use since Apr. 5, 1934.

Ser. No. 390,176. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 17, 1937.

TEMPERED GARNET

The words "Tempered Garnet" are disclaimed apart from the mark.
For Abrasive Cloth and Abrasive Paper.
Claims use since May, 1933.

Ser. No. 393,757. EMSEE MANUFACTURING COMPANY, Monroe, Mich. Filed June 7, 1937.

Slick

For General Household Cleaning Preparation Having Incidental Properties as a Disinfectant and Deodorant.
Claims use since May 1, 1936.

Ser. No. 395,935. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Aug. 2, 1937.

BLU-FAX

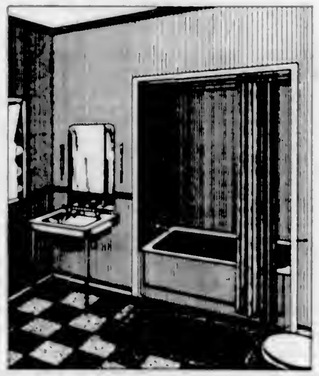
For Abrasive and/or Detergent Cleaning Compounds.
Claims use since Jan. 1, 1935.

Ser. No. 396,699. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Aug. 23, 1937.

CHEVRON

For Cleaning Solvents for General, Household, Professional, and Commercial Cleaning.
Claims use since May 23, 1936.

Ser. No. 396,718. B. HELLER & COMPANY, Chicago, Ill. Filed Aug. 24, 1937.



For Enamel Cleaner.
Claims use since Feb. 24, 1937.

Ser. No. 397,261. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 9, 1937.



The drawing is lined for red. The representation of a label per se is disclaimed.
For Polishing and Cleaning Cloth, Scouring Powder, Soap Chips, Metal Polish, and Steel Wool.
Claims use since February, 1931.

Ser. No. 397,332. THE ERASMIC COMPANY, LIMITED, Warrington, England. Filed Sept. 11, 1937.



For Toilet Soap and Shaving Soap.
Claims use since June 4, 1925.

CLASS 5

Adhesives

Ser. No. 395,162. I. BECK & SONS INC., New York, N. Y. Filed July 13, 1937.

Linu-Cement

The word "Cement" is disclaimed except as used in the mark herein.
For Linoleum Cement, Used Also as a General Adhesive.
Claims use since July, 1925.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 383,486. SANDRA, INC., also doing business as Sandra, Hollywood, Los Angeles, Calif. Filed Sept. 21, 1936.

Sandra

For Cosmetics, Toilet Preparations, and Medicinal Preparations—Namely, Skin Cleansing Creams, Hand Creams, Honey Pack, Face Powders, Acne Cream, Beauty Mask Cream, Vitamin F Lipid Cream, Muscle Oil, Acne Lotion, Eye Lotion, Skin Creams, Herbal Toning Lotion, Eau de Cologne, After Shaving Lotion, Cod Liver Oil Cream, Nail Polish Remover, Cuticle Solvent, Hair Tonic, Hair Oil, Hair Remover, Kelp Shampoo, Powder Bases and Foundations, Astringent, Perfumes, Hand Lotions, Nail Growth Preparations.
Claims use since Apr. 21, 1932.

Ser. No. 387,481. L. H. MEADOWS, Seattle, Wash. Filed Jan. 2, 1937.



The words "Scientific Cosmetics" are disclaimed. The drawing is lined for red.
For Hair Dressing, Scalp Tonic, Cold Cream, Face Powder, Face Lotion, and Lip Stick.
Claims use since Jan. 2, 1936.

Ser. No. 388,805. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Feb. 11, 1937.

STAYSIZE

For Inedible Starch Products for Industrial Purposes.
Claims use since Jan. 6, 1937.

Ser. No. 390,083. "ORBONO" PFLANZENSCHUTZMITTEL G. m. b. H., Berlin, Germany. Filed Mar. 15, 1937.



The representation of the bottle and the words "Berlin", "Bekampft die Pflanzenschadlinge" are disclaimed apart from the mark.
For Preparations for Killing Insects and Fungi.
Claims use since Oct. 1, 1932.

Ser. No. 390,767. NATIONAL OIL PRODUCTS COMPANY, Harrison, N. J. Filed Apr. 1, 1937.

EX-O-WAX

The word "Wax" is disclaimed apart from the mark.
For Product Used in Treating Various Fibres, Such as Textile Fibres, Paper, etc., and More Particularly for the Removal of Waxes and Other Finishing Materials from Such Textile, Paper, etc.
Claims use since Jan. 3, 1937.

Ser. No. 391,948. THEODORE J. BENDLAGE, doing business as Anthony Lily Co., Long Beach, Calif. Filed Apr. 28, 1937.

VESODYNE

For Sedatives, Sealed Capsules to Reduce Blood Pressure, and Salt Substitute, Given Internally for Certain Nervous Disorders and for Relief of Pain.
Claims use since Oct. 23, 1933.

Ser. No. 393,083. METASAP CHEMICAL COMPANY, Harrison, N. J. Filed May 21, 1937.

METASAP CHEMICAL COMPANY

For Metallic Soaps Composed of Naphthenates, Oleates, Palmitates, Stearates, and Other Organic Fatty Acids in Combination with Metals Other Than Sodium or Potassium Having a General Use in the Industrial Arts.
Claims use since Jan. 5, 1917.

Ser. No. 393,137. KRAUS CHEMICAL WORKS, Brooklyn, N. Y. Filed May 22, 1937.

WAR on ROACHES

For Roach Powder.
Claims use since 1917.

Ser. No. 393,975. MRS. JOANNA C. DIETZ, doing business as Dequin Physicians' Products Co., Chicago, Ill. Filed June 12, 1937.

ALPARENE

For Pharmaceutical Preparation Which is a Sclerosing Solution for the Injection Treatment of Hernia.
Claims use since Dec. 1, 1936.

Ser. No. 394,592. DEW COSMETICS, INCORPORATED, New York, N. Y. Filed June 28, 1937.

Eye-Dew

For Eye Lotion.
Claims use June 21, 1937.

Ser. No. 394,770. WHITEX LABORATORIES, INC., Manville, N. J. Filed June 30, 1937.

Lady Suzann

For Manicure Preparations—Namely, Nail Polish, Nail Polish Remover, Cuticle Remover, and Cuticle Oil.
Claims use since Aug. 15, 1934.

Ser. No. 395,024. HERMAN FELS, New York, N. Y. Filed July 9, 1937.

RUMEIDINE

For Liquid Liniment and Rubefacient for External Use.
Claims use since July 1, 1933.

Ser. No. 395,194. BENTLEY L. JACOB, doing business as Jarap Company, St. Louis, Mo. Filed July 14, 1937.

LACOTA

For Pharmaceutical Preparations Particularly Laxative Cold Tablets.
Claims use since June 17, 1937.

Ser. No. 395,327. BENN WINDT, New York, N. Y. Filed July 16, 1937.

COCILANA COUGH NIPS

The words "Cociana Cough" are disclaimed apart from the mark.
For Cough Bon Bons, Cough Confections, and Cough Syrups.
Claims use since Mar. 1, 1935.

Ser. No. 395,491. SOY BEAN PROCESSING COMPANY, Waterloo, Iowa. Filed July 21, 1937.

VEG-O-CIDE

For Insecticide.
Claims use since June 9, 1937.

Ser. No. 396,395. ARTHUR H. FISHER, doing business as 20th Century Chemical Co., Phoenix, Ariz. Filed Aug. 14, 1937.

DOG

Doctor

For Dog Medicines, Particularly Preparations for Running Fits and Barking Fits.
Claims use since Nov. 1, 1935.

Ser. No. 396,462. K-K POULTRY PRODUCTS CO., San Leandro, Calif. Filed Aug. 16, 1937.

K-K

For Preparations for Use in the Treatment of Poultry Diseases—Namely, Coccidiosis, Colds, Bronchitis, Chicken Pox, Roup, and Worms.
Claims use since Dec. 10, 1934.

Ser. No. 396,599. JACOB J. DAVIS, doing business as Reed Laboratories, Boston, Mass. Filed Aug. 20, 1937.

Lodin

For Tablets for Relief of Pain, and Ointment for the Relief of Itching.
Claims use since November, 1936.

Ser. No. 396,653. WHITTEMORE-WRIGHT COMPANY, INC., Charlestown, Mass. Filed Aug. 21, 1937.

WHITTEMORE-WRIGHT CO. INC.
MORITE BRAND
BOSTON, MASS.

The words "Brand" and "Boston, Mass." are disclaimed apart from the mark.
For Tanning and Textile Oils.
Claims use since September, 1927.

Ser. No. 396,740. GEORGE E. KOBOLT, doing business as Artblend Cosmetic Studios, Chicago, Ill. Filed Aug. 25, 1937.

Artblend

For Hand Cream, Face Powder, Cuticle Oil, Facial Masque, Cuticle Cream, Brilliantine, Nail Polish, Nail Bleach, Cleansing Cream, Nail White, Astringent, Skin Toner, Combination Cream, Liquefying Cream, Cuticle Remover, Bleaching Cream, Nourishing Cream, Acne Cream, and Antiseptic Oil.
Claims use since June 1, 1931.

Ser. No. 396,923. KILGORE DEVELOPMENT CORPORATION, Washington, D. C. Filed Aug. 30, 1937.

WING A WAY

For Insecticide and Insectifuge.
Claims use since Aug. 26, 1937.

Ser. No. 396,952. MILO A. CHEHAK, doing business as Security Laboratories, Cedar Rapids, Iowa. Filed Aug. 31, 1937.

Glyco-Caine

For Local Anaesthetic for Minor Surgery.
Claims use since July 1, 1935.

Ser. No. 396,961. THE MATHIESON ALKALI WORKS (INC.), New York, N. Y. Filed Aug. 31, 1937.

CHLOROLAC

For Chlorine Bactericide, Germicide, and Deodorant for Diary Use.
Claims use since Aug. 4, 1936.

Ser. No. 397,032. IT-FLOPS MFG. CO., Brooklyn, N. Y. Filed Sept. 2, 1937.

IT-FLOPS

For Insecticide.
Claims use since Aug. 25, 1937.

Ser. No. 397,112. ENDO PRODUCTS, INC., New York, N. Y. Filed Sept. 4, 1937.

ENTROMONE

For Preparation Used in the Treatment of Sexual Underdevelopment, Sterility, Ovarian Dysfunction, Amenorrhea, Habitual Abortion, and Uterine Bleeding.
Claims use since May 15, 1937.

Ser. No. 397,113. ENDO PRODUCTS, INC., New York, N. Y. Filed Sept. 4, 1937.

LUTROMONE

For Preparation Used in the Treatment of Habitual or Threatened Abortion, Amenorrhea, and Dysmenorrhea.
Claims use since May 15, 1937.

Ser. No. 397,201. FREDERICK STEARNS & CO., Detroit, Mich. Filed Sept. 7, 1937.

TRIMAX

For Magnesium Trisilicate Product Indicated for Use as an Antacid, Antipeptic, and Antitoxic.
Claims use since Aug. 27, 1937.

Ser. No. 397,209. JAMES E. LANPHEAR, Glendale, Calif. Filed Sept. 4, 1937.

thepé

For Milk Beauty Bath Preparation.
Claims use since July 1, 1937.

Ser. No. 397,218. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Sept. 8, 1937.

TRIPLE-LURE

For Lipsticks.
Claims use since July 8, 1937.

Ser. No. 397,226. PINAUD INCORPORATED, New York, N. Y. Filed Sept. 8, 1937.

STAY-UP

For Toilet Water.
Claims use since Aug. 10, 1937.

Ser. No. 397,227. POND'S EXTRACT COMPANY, New York, N. Y. Filed Sept. 8, 1937.

POND'S

For Skin Freshener and Tonic, Liquefying Cream, and Cream Lotion.
Claims use since Oct. 15, 1927 on the skin freshener and tonic; since July 19, 1933 on the liquefying cream; and since Aug. 20, 1935 on the cream lotion.

Ser. No. 397,228. POND'S EXTRACT COMPANY, New York, N. Y. Filed Sept. 8, 1937.

DANYA

For Cream Lotion.
Claims use since June 21, 1937.

Ser. No. 397,243. GEORGE W. BUTTON CORPORATION, New York, N. Y. Filed Sept. 9, 1937.

SPORT WEAR

For Talcum, Dusting Powder, Bath Crystals, Perfume, Toilet Water, and Sachet.
Claims use since Aug. 31, 1937.

Ser. No. 397,333. THE ERASMIC COMPANY, LIMITED, Warrington, England. Filed Sept. 11, 1937.



For Lavender Water, Bath Salts, and Toilet Powder.
Claims use since June 4, 1925.

Ser. No. 397,470. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Sept. 16, 1937.

ENOLID

For Medicinal Preparation Indicated for Use as a Sedative and Hypnotic.
Claims use since Aug. 25, 1937.

Ser. No. 397,473. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Sept. 16, 1937.

KETOLID

For Medicinal Preparation Indicated for Use as a Sedative and Hypnotic.
Claims use since Aug. 25, 1937.

Ser. No. 397,558. MAURICE SPIEGEL, doing business as Maurice Laboratories, Boston, Mass. Filed Sept. 18, 1937.

PRO-PED

For Preparation for the Relief of Athlete's Foot, Swimmer's Itch, Athlete's Foot Itch, and Ringworm of the Feet.
Claims use since April, 1935.

Ser. No. 397,726. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Sept. 23, 1937.

SILKONOL

For Chemicals Adapted for the Softening and Lubricating of Silk and Other Textile Fibers and for the Treatment of Silk Yarn and Other Textile Yarns Prior to Throwing, Winding, Warping, or Knitting.
Claims use since Apr. 9, 1935.

Ser. No. 397,737. BETTER DRUG PRODUCTS, INCORPORATED, Tulsa, Okla. Filed Sept. 24, 1937.

Zing

For Hair Tonic and a Hair Shampoo.
Claims use since July, 1936.

Ser. No. 398,090. CALGON INCORPORATED, Pittsburgh, Pa. Filed Oct. 4, 1937.

CAL-AID

For Chemical Compound Having Water Softening and Germicidal Properties for Use in Washing Glasses Used with Service in Public Places, Dairy Bottles or Any Articles, Which Under the Public Health Laws Require the Use of a Germicide in the Washing of Such Articles.
Claims use since Sept. 8, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 395,787. LUNT & COMPANY, St. Louis, Mo. Filed July 22, 1937.

FAWN
BRAND

The word "Brand" is disclaimed apart from the mark.
For Carbon Paper, Typewriter Ribbons, and Inked Ribbons.
Claims use since October, 1932.

CLASS 12

Construction Materials

Ser. No. 397,529. THE CELOTEX CORPORATION, Chicago, Ill. Filed Sept. 18, 1937.

UTILITY

For Structural Fiber Board.
Claims use since May 23, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 392,679. C-Y MANUFACTURING COMPANY, Jamaica, N. Y. Filed May 13, 1937.

C-Y

For Testing Gauge Valves and Adaptors, Fittings, and Parts Therefor.
Claims use since February, 1936.

Ser. No. 395,859. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed July 31, 1937.

FISHER

SPLASHGON

For Rubber and Metal Anti-Splash Filter Attachment.
Claims use since June 15, 1937.

Ser. No. 396,242. PERES SELTZER, New York, N. Y. Filed Aug. 10, 1937.

SELCO

For Slide-Fasteners for Swim Suits, Trunks, Legging Suits, Children's Wash Suits, Children's Sleepers, Lumberjacks, Men's Overall Suits, Men's Work Shirts, Boys' Shirts, Children's Snow Suits, Riding Breeches for Men and Women, Men's and Children's Knitted Underwear, Nurses' Uniforms and Boots and Shoes Made of Leather, Rubber and a Combination of Rubber.
Claims use since August, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 395,367. THE H. A. WILSON COMPANY, Newark, N. J. Filed July 17, 1937.

THERMOMETAL

For Bimetals, Including Bimetallic Bars, Bimetallic Sheets, Bimetallic Strips, and the Like.
Claims use since July 13, 1937.

Ser. No. 395,368. THE H. A. WILSON COMPANY, Newark, N. J. Filed July 17, 1937.

WILCO

For Platinum, Platinum Sheets, Platinum Bars, Platinum Wire, Platinum Alloys, Platinum Sponge; Silver, Silver Sheets, Silver Bars, Silver Wire, Silver Alloys; Nickel, Nickel Sheets, Nickel Bars, Nickel Wire, Nickel-Clad Steel Sheets, Nickel Alloys; Gold, Gold Bars, Gold Alloys; Tungsten, Tungsten Alloys; Thermostatic Metal, Thermostatic-Metal Sheets, Thermostatic-Metal Bars; and Welded Products, as Follows: Wire Made One End of Platinum, Platinum-Iridium, Silver, Gold, or Tungsten or Alloys of These Metals With Each Other or With Other Metals and the Other End of Nickel or Other Base Metals Welded to Platinum, Platinum-Iridium, Silver, Gold, Tungsten, or Alloy; Sheets Made With a Facing on One or Both Sides of Platinum, Platinum-Iridium or Gold or Alloys of These Metals With Each Other or With Other Metals, Welded or Soldered to Another Metal, Such as Gold, Silver, Copper, Nickel, Steel, Etc.; Platinum or Gold-Clad Wire or Rods Made of a Platinum or Gold Exterior and a Core of Another Metal; Wollaston Wire Made With a Core of Platinum and an Exterior of Another Metal; Bars or Sheets of Steel or Other Metal With a Facing of Nickel or Other Metal or Alloy Thereof Welded or Soldered on One or Both Sides of the Bars or Sheets of Steel or Other Metal; and Wire Clad With Copper or Other Metal Having a Copper or Other Metal Exterior Welded or Soldered to a Core of Another Metal.
Claims use since July 13, 1937.

Ser. No. 397,743. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio. Filed Sept. 24, 1937.

ZINCGRIP

For Galvanized Iron and Steel Sheets.
Claims use since Sept. 13, 1937.

Ser. No. 397,762. LUDLUM STEEL CO., Watervliet, N. Y. Filed Sept. 24, 1937.

LXX

For Tool-Steels.
Claims use since Jan. 1, 1908.

CLASS 15

Oils and Greases

Ser. No. 397,245. JOEL B. CLARK, Buffalo, N. Y. Filed Sept. 9, 1937.

KRALIN

For Auxiliary Lubricants and Addition Agents to Lubricating Oils.
Claims use since Aug. 31, 1933.

CLASS 16

Paints and Painters' Materials

Ser. No. 394,962. MORRIS DULMAN, Boston, Mass. Filed July 7, 1937.



The words "Paint" and "Varnish" are disclaimed apart from the mark.
For Dry, Paste, Ready Mixed Paint, Varnish, Prepared Shellac, Paint Enamel, Paint Dryer, Paint Remover, and Bronzing Liquid.
Claims use since July 1, 1937.

Ser. No. 396,057. THE MASTER GLAZE CO., Milwaukee, Wis. Filed Aug. 4, 1937.

MASTER GLAZE

Disclaimer is made of "glaze" apart from the mark.
For Preparation for Producing a Lustre Upon Finished Surfaces.
Claims use since July 7, 1937.

Ser. No. 396,543. MIXOL CORPORATION, New York, N. Y. Filed Aug. 18, 1937.

MIXOL

For Paint Extender.
Claims use since Aug. 5, 1937.

Ser. No. 396,730. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Aug. 25, 1937.

COLORART

For Poster Paints.
Claims use since October, 1936.

Ser. No. 397,499. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Sept. 17, 1937.

Pin-Money Payments

For Ready-Mixed Paints.
Claims use since Sept. 8, 1937.

CLASS 17

Tobacco Products

Ser. No. 396,149. BEN B. MANN, New York, N. Y. Filed Aug. 7, 1937.



For Cigarettes and Cigars.
Claims use since June 29, 1937.

Ser. No. 396,811. GARCIA GRANDE CIGARS, INCORPORATED, New York, N. Y. Filed Aug. 27, 1937.

TRI-SEAL

For Cigars.
Claims use since Aug. 11, 1937.

Ser. No. 396,825. JOSÉ MARIA MENENDEZ, Daytona Beach, Fla. Filed Aug. 27, 1937.



The portrait is that of an imaginary individual known to applicant's trade as Johnnie Walker.
For Cigars.
Claims use since July 15, 1937.

Ser. No. 397,481. B. PAYN'S SON'S TOBACCO COMPANY, Albany, N. Y. Filed Sept. 16, 1937.

PANNA

ROSE

For Smoking and Chewing Tobacco.
Claims use since Aug. 26, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,558. ERCOLE R. BERLUTI, Saginaw, Mich. Filed Aug. 19, 1937.

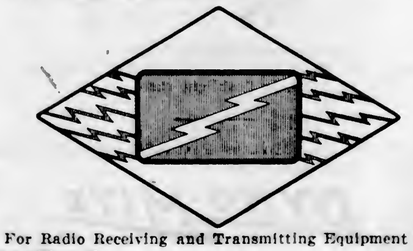
SNAPPING TURTLE

For Trailer Couplings.
Claims use since January, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 388,430. BROWN RAY PHONES, San Francisco, Calif. Filed Feb. 2, 1937.



For Radio Receiving and Transmitting Equipment and Parts Thereof.
Claims use since Mar. 4, 1936.

Ser. No. 394,727. SEA-LITE MANUFACTURING CORP., Boston, Mass. Filed June 30, 1937.

SEA-LITE MFG. CORP.

For Electric Lanterns, Automatic Electric Lighting Units for Ring Buoys and Life Jackets, Automatic Electric Safety Lights, Multiple Cell Generators, Sea Water Electric Generating Units, Electric Emergency Lights for Life Jackets and Ring Buoys, Electric Sailing Lights, Electric Anchor Lights, Thermo-Electric Flashers, and Automatic Electric Emergency Flares.
Claims use since Feb. 1, 1937.

Ser. No. 397,095. WILSON WELDER AND METALS CO., INC., New York, N. Y. Filed Sept. 3, 1937.

WILSON

The drawing is lined for red.
For Electric Arc Welding Machines.
Claims use since May 12, 1937.

Ser. No. 397,215. BURGESS BATTERY COMPANY, Chicago, Ill. Filed Sept. 8, 1937.



For Dry Batteries and Flashlight Cases.
Claims use since Jan. 23, 1917, on dry batteries; and since Feb. 28, 1928, on flashlight cases.

Ser. No. 397,264. MILLERS FALLS COMPANY, Greenfield, Mass. Filed Sept. 9, 1937.

DYNO-MITE

For Electric Drills.
Claims use since Aug. 27, 1937.

CLASS 22

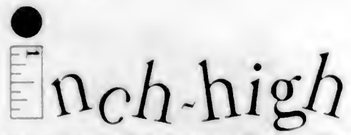
Games, Toys, and Sporting Goods

Ser. No. 383,455. RALPH S. SNYDER, Uhrichsville, Ohio. Filed Sept. 19, 1936.

DABBLE
(In Stocks)

For Parlor Game—Namely, a Board Game Played with Movable Pieces.
Claims use since Sept. 10, 1936.

Ser. No. 396,153. DAVID L. O'SULLIVAN, New York, N. Y. Filed Aug. 7, 1937.



For Board Games Played with Movable Pieces and Building Block Games.
Claims use since July 6, 1937.

Ser. No. 397,801. T. M. ELLIS, JR., doing business as Shekels Advertising Company, Beloit, Wis. Filed Sept. 25, 1937.

ONTHEHOUSE

For Board Game Played with Numbered Pieces.
Claims use since Aug. 23, 1937.

Ser. No. 397,811. LOUIS KESSLER, doing business as Novelty Games Co., New York, N. Y. Filed Sept. 25, 1937.

BANKO

For Card Number Game Played after the Manner of Bingo or Tit-Tat-To.
Claims use since Jan. 14, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 388,968. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Feb. 15, 1937.

VEND-O-MATIC

For Packaged Beverage Vending Apparatus.
Claims use since Feb. 9, 1937.

Ser. No. 394,757. ROBERT REINER, INCORPORATED, Weehawken, N. J. Filed July 1, 1937.

COMBI

For Knitting Machines.
Claims use since June, 1935.

Ser. No. 396,634. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Aug. 21, 1937.

DISPOSALL

For Machines for Cutting or Grinding Garbage or the Like.
Claims use since July, 1937.

Ser. No. 397,196. QUICK CURE BRINE PRODUCTS, INC., Chicago, Ill. Filed Sept. 7, 1937.

QUIKURE

For Brine and Liquid Circulating Pumps.
Claims use since June 1, 1936.

Ser. No. 397,281. DELUXE PRODUCTS CORPORATION, La Porte, Ind. Filed Sept. 10, 1937.

KEEPS YOUR ENGINE YOUNG

For Oil Filters Used as Accessories for Internal Combustion Engines.
Claims use since Aug. 31, 1937.

Ser. No. 397,317. ZEPHYR SHAVER CORPORATION, New York, N. Y. Filed Sept. 10, 1937.

ZEPHYR

For Electric Shavers.
Claims use since Sept. 8, 1937.

Ser. No. 397,325. CHAMPION LABORATORIES INC., Meriden, Conn. Filed Sept. 11, 1937.



For Automobile Oil Filters.
Claims use since Dec. 21, 1936.

CLASS 25

Locks and Safes

Ser. No. 371,820. NEW PROCESS COMPANY, Warren, Pa. Filed Nov. 21, 1935.

MyStrong

The word "Strong" is disclaimed apart from the mark.
For Portable, Lockable File Box for Documents.
Claims use since Aug. 4, 1932.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 395,639. JOHN J. DUFFIE, New York, N. Y. Filed July 26, 1937.

EXCELLO-BILT

The word "Bilt" is disclaimed apart from the mark.
For Calculating and Adding Machines.
Claims use since July 30, 1936.

Ser. No. 396,694. R K O RADIO PICTURES, INC., New York, N. Y. Filed Aug. 23, 1937.



The word "Picture" is disclaimed except as shown.
For Films Adapted for Reproduction and Containing Recorded Images of Pictures and/or Recorded Sound.
Claims use since June 30, 1937.

Ser. No. 397,188. ELECTRO COVER GLASS COMPANY, Sharpsburg, Pa. Filed Sept. 7, 1937.

ECGCO

For Lenses for Protective Goggles and Helmets Employed in Welding, Cutting, Grinding, and Spraying Operations and the Like.
Claims use since May 31, 1934.

CLASS 27

Horological Instruments

Ser. No. 396,522. LEONARD KROWER & SON, INC., New York, N. Y. Filed Aug. 18, 1937.

CARONDELET

For Watches, Watch Cases, Watch Plates.
Claims use since July 1, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 396,662. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md. Filed Aug. 23, 1937.

LECTRO

For Brushes for Cleaning Fabric, Upholstery, Automobile and Similar Bodies.
Claims use since Aug. 1, 1937.

Ser. No. 397,417. PARKS & PARKS INC., Troy, N. Y. Filed Sept. 14, 1937.

Flextiff

For Animal Brushes.
Claims use since Aug. 6, 1937.

CLASS 32

Furniture and Upholstery

Ser. No. 396,038. MAISON BLANCHE COMPANY, New Orleans, La. Filed Aug. 5, 1937.

M-BLEM

For Bed Room Furniture—Namely, Bedsteads, Studio Couches, Sofa Beds, Bed Springs, Mattresses, Dressing Tables, Chiffoniers, Chairs, and Mirrors; Dining Room Furniture—Namely, Dining Tables, Chairs, Sideboards, Buffet Tables, and China Cabinets.
Claims use since July 19, 1937.

Ser. No. 397,150. REMINGTON RAND INC., Buffalo, N. Y. Filed Sept. 4, 1937.

ZEPHYR

For Chairs, Particularly Posture Chairs.
Claims use since Mar. 26, 1936.

CLASS 33

Glassware

Ser. No. 393,382. KABUSHIKI KAISHA KONISHI KOTAKUDO HONTEN, Kyobashi-ku, Tokyo, Japan. Filed May 28, 1937.



For Watch Glasses and Watch Crystals.
Claims use since Mar. 1, 1915.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 392,920. ELECTROL INCORPORATED, Clifton, N. J. Filed May 18, 1937.

ELECTROL

For Air Conditioning Units.
Claims use since Nov. 11, 1933.

Ser. No. 396,360. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 13, 1937.

DELCO

For Complete Oil and Gas Building Heating Units, Oil and Gas Burners, Boilers, Furnaces, Service Water Heaters, Complete Air Conditioning Units, Humidifiers and Forced Draft Ventilating Units, Hot Water and Expansion Tanks and Gas Generators.
Claims use since Jan. 2, 1933.

Ser. No. 396,439. ANCHOR STOVE & RANGE COMPANY, New Albany, Ind. Filed Aug. 16, 1937.

ANCHOR  KOLSTOKER

The word "Kolstoker" is disclaimed apart from the mark.
For Coal Stokers.
Claims use since Jan. 20, 1934.

Ser. No. 396,966. PLATINUM PRODUCTS CORP., New York, N. Y. Filed Aug. 31, 1937.



For Cigar, Cigarette, and Pipe Lighters of the Catalytic Type, and Parts for Cigar, Cigarette, and Pipe Lighters.
Claims use since June 1, 1933.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 374,871. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 14, 1936.

Emerald

For Engine Belts Formed of Cotton Strands.
Claims use since December, 1912.

Ser. No. 377,521. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Apr. 22, 1936.

CHEVRON

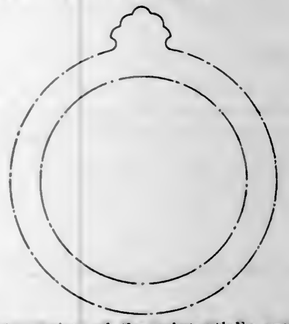
For Clutch Facings.
Claims use since Mar. 16, 1936.

Ser. No. 396,551. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Filed Aug. 18, 1937.

TOP-NOTCH

For Brake Lining.
Claims use since Aug. 9, 1937.

Ser. No. 396,564. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 19, 1937.



The mark consists of the substantially crown shaped contour applied as a scalloped tab. No claim is made to the representation of the jar ring.
For Jar Rings for Receptacles.
Claims use since Aug. 13, 1937.

Ser. No. 397,217. THE GARLOCK PACKING COMPANY, Palmyra, N. Y. Filed Sept. 8, 1937.

BITAN

For Leather Packings, Cups, Washers, Gaskets, and Discs.
Claims use since August, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 392,194. CANTULIA AKKORDEONBAU G. M. B. H., Altenburg I. Thuringia, Germany. Filed May 3, 1937.

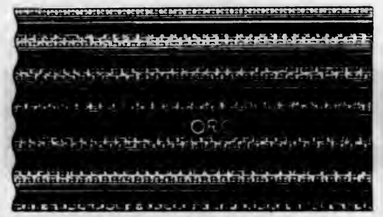


For Hand Harmonicas, Mouth Harmonicas, and Accordions.
Claims use since Oct. 1, 1936.

CLASS 37

Paper and Stationery

Ser. No. 394,945. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed July 7, 1937.



The hatching indicates black and gold.
For Pencils of All Kinds.
Claims use since Sept. 19, 1936.

Ser. No. 395,750. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed July 29, 1937.

"COMPLASTIC"

For Lead Pencils.
Claims use since June 15, 1937.

Ser. No. 396,958. KOH-I-NOOR BLEISTIFTFABRIK L. & C. HARDTMUTH, Budweis, Czechoslovakia. Filed Aug. 31, 1937.

PLUVIUS

For Pencils of All Kinds.
Claims use since Dec. 17, 1919.

CLASS 38

Prints and Publications

Ser. No. 382,467. MARY E. FISCHER, Portland, Oreg. Filed Aug. 22, 1936.

NEWCOMERS SERVICE

The words "Newcomers Service" are disclaimed apart from the mark. The drawing is lined for brown.
For Books.
Claims use since Sept. 1, 1934.

Ser. No. 388,900. CHICAGO TRIBUNE-NEW YORK NEWS SYNDICATE, INC., New York, N. Y. Filed Feb. 15, 1937

DICK TRACY

The mark consists of the name "Dick Tracy", the name of a fictitious character appearing from day to day in a comic strip produced by the applicant.
For Series of Cartoons.
Claims use since Oct. 12, 1931.

Ser. No. 389,308. GUY C. CRAPPLE, Chicago, Ill., assignor to The Little Chronicle Association, Inc., Chicago, Ill. Filed Feb. 24, 1937.

The Little Chronicle

For Periodical Publication.
Claims use since Oct. 1, 1909.

Ser. No. 391,446. WOMEN'S WEAR COMPANY, New York, N. Y. Filed Apr. 17, 1937.

trends

For Newspaper Section.
Claims use since Feb. 10, 1936.

Ser. No. 396,785. F. GILBERT POLLAY, doing business as 20th Century Music Publishers, New York, N. Y. Filed Aug. 26, 1937.

20th CENTURY MUSIC PUBLISHERS

For Sheet Music.
Claims use since 1915.

Ser. No. 397,300. THE REVIEW PRINTING COMPANY, Miami, Fla. Filed Sept. 10, 1937.

This Week in Greater Miami

For Weekly Magazine.
Claims use since Dec. 5, 1936.

Ser. No. 397,391. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Sept. 13, 1937.



The mark comprises the portrait of Li'l Abner, a fanciful, fictitious character.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Apr. 11, 1937.

Ser. No. 397,610. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Sept. 21, 1937.

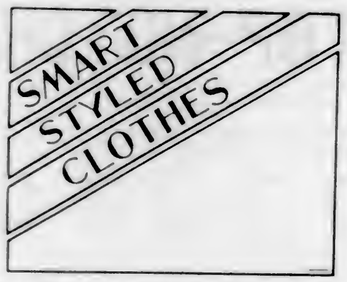
LABOR RELATIONS REPORTS

For Periodical Publications.
Claims use since Sept. 6, 1937.

CLASS 39

Clothing

Ser. No. 390,619. DAVID R. BARFIELD, doing business as Barfield's, Evansville, Ind. Filed Mar. 29, 1937.



The words "Smart Styled Clothes" are disclaimed apart from the mark.
For Men's, Young Men's, and Boys' Pants, Suits, Overcoats, and Topcoats.
Claims use since November, 1935.

Ser. No. 391,498. UNDI-KLAD MANUFACTURING COMPANY, Chicago, Ill. Filed Apr. 17, 1937.

TUMMY-IN

For Ladies' Pantie Girdles.
Claims use since May 1, 1936.

Ser. No. 391,603. AMERICAN LATEX CORPORATION, New York, N. Y. Filed Apr. 21, 1937.

MERRY-GO-ROUND

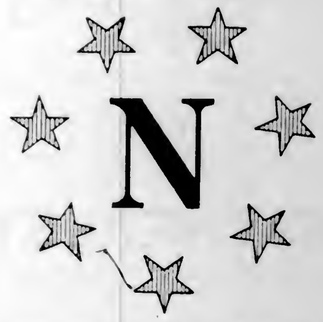
For Baby Pants.
Claims use since Apr. 19, 1937.

Ser. No. 393,391. EARL H. RESSEGUIE, Flint, Mich. Filed May 28, 1937.

EZEON

For Neckties.
Claims use since Oct. 15, 1932.

Ser. No. 393,616. NOVOGLOVE CORPORATION, New York, N. Y. Filed June 3, 1937.



For Leather Gloves and Ladies' Neckwear, as Jabots, Scarfs, Ascots, and Vests.
Claims use since Apr. 26, 1937.

Ser. No. 394,269. JOSEPH BURGER, New York, N. Y. Filed June 19, 1937.

STATURAID

Applicant disclaims the pictures of the shoes apart from the mark.
For Men's and Women's Shoes Made of Leather or Fabric.
Claims use since June 16, 1937.

Ser. No. 394,695. BLOOM & JAFFIN, New York, N. Y. Filed June 30, 1937.

Satin Morceau

The word "Satin" is disclaimed apart from the mark.
For Ladies', Misses', and Junior Underwear and Slips, Dresses, Frocks, and Gowns for Outer Wear.
Claims use since Aug. 26, 1935.

Ser. No. 395,215. IRVING BRANDT & CO., Chicago, Ill. Filed July 15, 1937.

Brandt Biltmore

The word "Biltmore" is disclaimed apart from the mark.
For Neckties, Belts in the Nature of Garment Supporters, Braces, and Garters.
Claims use since Mar. 15, 1933.

Ser. No. 395,389. ALLIED STORES CORPORATION, doing business as The Bon Marche, Wilmington, Del., and Seattle, Wash. Filed July 19, 1937.

Kentcraft

The word "Kentcraft" is disclaimed except as shown.
For Men's Clothing—Namely, Coats, Leather Coats, Sport Coats, Top Coats, Overcoats, Fabric Suits, Golf Suits, Sweaters and Sweater Coats, Leather and Fabric Gloves, Hats, Hose, Leather and Fabric Jackets, Bathing Trunks, and Ski Suits.
Claims use since Sept. 1, 1935.

Ser. No. 395,481. WM. KNOWLTON & SONS COMPANY, West Upton, Mass. Filed July 21, 1937.

Whitney

The name "Whitney" is disclaimed apart from the mark.
For Women's Hats.
Claims use since May 13, 1937.

Ser. No. 395,596. STEINBERGER BROS. GLOVE CORPORATION, New York, N. Y. Filed July 23, 1937.

NEPTUNE

For Men's, Women's, Misses', and Children's Gloves and Mittens Made of Leather, Fabric, or Any Combination Thereof.
Claims use since July 19, 1937.

Ser. No. 396,105. BONITA UNDERGARMENT COMPANY, New York, N. Y. Filed Aug. 7, 1937.

Bon Jour

For Warp-Knit, Tricot, Milanese, and Rayon, and Knit Rayon Bloomers, Panties, Step-Ins, Vests, Chemises, Slips, and Gowns.
Claims use since June 1, 1937.

Ser. No. 396,171. STANDARD OILED CLOTHING CO. INC., New York, N. Y. Filed Aug. 7, 1937.

SANDHOG

For Outer Garments for Youths, Men, Women, and Children—Namely, Oiled Clothing, Raincoats, Slickers, and Jackets.
Claims use since July 28, 1937.

Ser. No. 396,356. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 13, 1937.

SPLENDORAY

For Underwear—Namely, Women's and Misses' Night Gowns, Pajamas, Bloomers, Under Vests, Panties, Chemises, Slips, Lounging and Hostess Robes, Dance Sets Consisting of Brassières and Step-Ins in Combination, and Brassières.
Claims use since July 29, 1937.

Ser. No. 396,364. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Aug. 13, 1937.

Prepshire

For Men's and Boys' Suits, Topcoats, Overcoats, Raincoats, Bathing Suits, Hats, Caps, Blouses, Boys' Outer Shirts, Men's and Boys' Underwear, Stockings, Socks, Collars, Neckties, Sweaters, Bath Robes, Smoking Jackets, House Coats, Cardigans, Jackets, Snow Suits, Leather Coats and Jackets, Trousers, Polo Shirts, Leather and Fabric Gloves, Leather and Fabric Shoes, Men's Dress and Negligee Shirts, and Pajamas.
Claims use since Dec. 6, 1935.

Ser. No. 396,419. JACOB NEIVERT, doing business as Neivert Glove Co., New York, N. Y. Filed Aug. 14, 1937.

"Contour Gloves"

The word "Gloves" is disclaimed apart from the mark.
For Ladies' Gloves Made of Leather, Fabric, or Combinations of Said Materials.
Claims use since Feb. 3, 1936.

Ser. No. 396,443. BONWIT TELLER, INC., New York, N. Y. Filed Aug. 16, 1937.

"RED-MUD"

For Women's and Misses' Shoes Made of Leather, Fabric, and Combinations Thereof, Hats, Scarfs, Belts for Outer Wear, Handkerchiefs, and Petticoats.
Claims use since Aug. 8, 1937.

Ser. No. 396,517. SCHOEN HATS, INC., New York, N. Y. Filed Aug. 17, 1937.



For Hat Bodies and Hats for Women and Children.
Claims use since December, 1936.

Ser. No. 396,783. HENRY POLLAK, INC., New York, N. Y. Filed Aug. 26, 1937.

HEATHERLEY

For Hat Bodies and Hats for Women and Children.
Claims use since July 30, 1937.

Ser. No. 396,798. ROSENAU BROS., INC., Philadelphia, Pa. Filed Aug. 26, 1937.



The trade-mark consists of the signature and portrait of "Deanna Durbin", the professional name of Edna Mae Durbin.
For Dresses for Females Between Sizes Eight (8) and Seventeen (17) Made of Cotton or Spun Rayon.
Claims use since May 17, 1937.

Ser. No. 396,864. BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Aug. 28, 1937.

SYNTHEX HEEL

The word "Heel" is disclaimed apart from the mark.
For Hosiery.
Claims use since Aug. 9, 1937.

Ser. No. 396,879. LEES-GILBERT CORPORATION, New York, N. Y. Filed Aug. 28, 1937.

Legora

For Ladies' Coats and Suits.
Claims use since July 1, 1937.

Ser. No. 396,884. THE NEATFORM CO., INC., New York, N. Y. Filed Aug. 28, 1937.

Camera Girl

For Brassières, Corsets, Girdles, Reducing Foundations, Step-In Girdles, and Combination Corsets and Brassières.
Claims use since Aug. 18, 1937.

Ser. No. 396,886. THE NEATFORM CO., INC., New York, N. Y. Filed Aug. 28, 1937.

Picture Girl

For Brassières, Corsets, Girdles, Reducing Foundations, Step-In Girdles, and Combination Corsets and Brassières.
Claims use since Aug. 18, 1937.

Ser. No. 396,888. THE NEATFORM CO., INC., New York, N. Y. Filed Aug. 28, 1937.

Studio Girl

For Brassières, Corsets, Girdles, Reducing Foundations, Step-In Girdles, and Combination Corsets and Brassières.
Claims use since Aug. 18, 1937.

Ser. No. 396,889. THE NEATFORM CO., INC., New York, N. Y. Filed Aug. 28, 1937.

Tingle

For Brassières, Corsets, Girdles, Reducing Foundations, Step-In Girdles, and Combination Corsets and Brassières.
Claims use since Aug. 18, 1937.

Ser. No. 396,926. MARINETTE KNITTING MILLS, Marinette, Wis. Filed Aug. 30, 1937.

Don't Dress for Dinner

For Wearing Apparel—Namely, Ladies' Dresses, Suits, and Frocks.
Claims use since Aug. 23, 1937.

Ser. No. 396,948. PHILIP BLUMSTEIN, doing business as Night Life Pajama Company, Philadelphia, Pa. Filed Aug. 31, 1937.

HIGH LIFE

For Pajamas.
Claims use since Feb. 1, 1937.

Ser. No. 396,949. CHARMIS, Paris, France. Filed Aug. 31, 1937.

CHARMELA

For Garments Intended for the Use of Women and Girls—Namely, Corsets, Corselets, Foundation Garments, Girdles, Corset Waists, Garter Belts, Brassières, Suspenders, Outer Shirts and Undershirts, Night Gowns, Bloomers and Panties, Combinations of Shirts and Panties, Slips, Hosiery, Swim Suits, Bath Robes and Beach Robes, Dressing Gowns, Pajamas, Dresses, Blouses, and Coats.
Claims use since Dec. 1, 1936.

Ser. No. 396,950. CHARMIS, Paris, France. Filed Aug. 31, 1937.

CHARMERÊVE

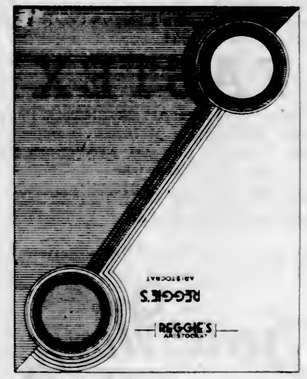
For Garments Intended for the Use of Women and Girls—Namely, Corsets, Corselets, Foundation Garments, Girdles, Corset Waists, Garter Belts, Brassières, Suspenders, Outer Shirts and Undershirts, Night Gowns, Bloomers and Panties, Combinations of Shirts and Panties, Slips, Hosiery, Swim Suits, Bath Robes and Beach Robes, Dressing Gowns, Pajamas, Dresses, Blouses, and Coats.
Claims use since Dec. 1, 1936.

Ser. No. 396,982. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Sept. 1, 1937.

Synkromatic Fashions

The word "Fashions" is disclaimed apart from the mark.
For Men's Suits.
Claims use since Aug. 18, 1937.

Ser. No. 396,998. BUDDY ONTRA, New York, N. Y. Filed Sept. 1, 1937.



The drawing is lined for blue.
For Hosiery.
Claims use since August, 1934.

Ser. No. 397,001. ALEX PESKOFF, New York, N. Y. Filed Sept. 1, 1937.



The words "Custom Grade Hand Made" are disclaimed apart from the mark. The drawing is lined for red.
For Men's Shoes Made of Leather, Fabric, or Rubber.
Claims use since September, 1934.

Ser. No. 397,148. A. E. NETTLETON COMPANY, Syracuse, N. Y. Filed Sept. 4, 1937.

LOAFER

For Ladies', Men's, and Boys' Shoes Made of Leather, Rubber, Fabric, or Various Combinations of such Materials.
Claims use since Feb. 1, 1937.

Ser. No. 397,241. BULLOCK'S, INC., Los Angeles, Calif. Filed Sept. 9, 1937.



For Hosiery.
Claims use since June 25, 1937.

Ser. No. 397,568. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Sept. 20, 1937.

DUPLICATOR

For Hosiery.
Claims use since June 1, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 395,006. BERNHARD ULMANN CO. INC., New York, N. Y. Filed July 8, 1937.

FASTEX

For Stamped Goods and Art Needlework Package Outfits Containing Foundation Material, Stamped or Otherwise Suitably Prepared, and Art Needlework Supplies to be Used in Connection Therewith.
Claims use since June 25, 1937.

Ser. No. 396,310. W. T. GRANT COMPANY, New York, N. Y. Filed Aug. 12, 1937.

Doris Marie

For Bias Tape.
Claims use since June 10, 1932.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 396,012. FOLLMER CLOGG & CO., INC., New York, N. Y., and Lancaster, Pa. Filed Aug. 30, 1937.

TRANSPARA.

For Parasols.
Claims use since July 15, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 393,029. FORSTMANN WOOLEN CO., Passaic, N. J. Filed May 20, 1937.

Granitine

For Woolen Piece Goods.
Claims use since May 1, 1937.

Ser. No. 396,567. THE HIND & HARRISON PLUSH COMPANY, New York, N. Y. Filed Aug. 19, 1937.

Uralam

For Plushes in the Piece Made of Silk, Cotton, Wool, and/or Combinations Thereof.
Claims use since Mar. 3, 1915.

Ser. No. 396,852. WAMSUTTA MILLS, New Bedford, Mass. Filed Aug. 27, 1937.

WEETAMOE

For Piece Goods of Cotton and Mixtures of Cotton, Rayon, and Acetate.
Claims use since Apr. 8, 1937.

Ser. No. 396,854. WAMSUTTA MILLS, New Bedford, Mass. Filed Aug. 27, 1937.

WINTACALE

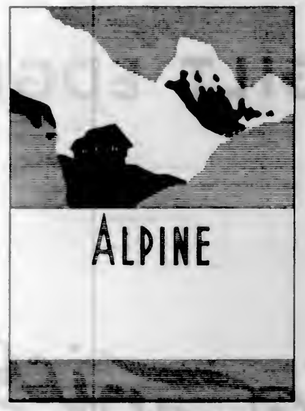
For Piece Goods of Cotton and Mixtures of Cotton, Rayon, and Acetate.
Claims use since Dec. 9, 1936.

Ser. No. 397,028. GRANITE FABRICS INC., New York, N. Y. Filed Sept. 2, 1937.

DUR-O-SUEDE

The word "Suede" is disclaimed apart from the mark.
For Textile Piece Goods Such as Silks, Rayons, Cottons, Woolens, and Mixtures and Combinations Thereof.
Claims use since Aug. 11, 1937.

Ser. No. 397,041. MCCRORY STORES CORPORATION, New York, N. Y. Filed Sept. 2, 1937.



The drawing is lined for blue. The label itself is disclaimed.
For Blankets, Pillow Cases, Sheets, and Quilts.
Claims use since Sept. 1, 1936.

Ser. No. 397,214. BELLE KNITTING CORP., New York, N. Y. Filed Sept. 8, 1937.

SWAN-TONE

For Knitted Rayon in the Piece for Underwear.
Claims use since June 17, 1937.

Ser. No. 397,278. COLONIAL MILLS, INC., New York, N. Y. Filed Sept. 10, 1937.

Crepe Eventide

The word "Crepe" is disclaimed except as part of the mark shown.
For Acetate and Rayon Crepe Piece Goods.
Claims use since June 5, 1936.

CLASS 43

Thread and Yarn

Ser. No. 397,039. MANVILLE JENCKES CORPORATION, Manville, R. I. Filed Sept. 2, 1937.

FLAXRAY

For Thread and Yarn Composed of Rayon and Linen, and Mixtures of the Same.
Claims use since May 3, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 394,083. HANOVIA CHEMICAL AND MANUFACTURING COMPANY, Newark, N. J. Filed June 15, 1937.

BARYAIRE

For Ultraviolet Equipment, and Safety Air Fixtures So Designed as to Create a Sterile Barrier to Prevent Infections Travelling by the Air from Room to Room.
Claims use since Jan. 3, 1937.

Ser. No. 397,158. SAMUEL G. SUPPLEE & Co., New York, N. Y. Filed Sept. 4, 1937.

LENI CROME

The misspelling of the word "Chrome" is disclaimed apart from the mark.
For Dentures.
Claims use since Mar. 1, 1930.

Ser. No. 397,642. BUFFALO DENTAL MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 22, 1937. Under 10-year proviso.

LEWIS

For Dental Appliances, Consisting of Articulators, Bench Blocks, Burners, Flask Bolts, Dental Flasks, Moulding Flasks, Rubber Dam Holders, Soldering Block Holders, Electric Temperature Controls, Gasometers, Lathe Heads, Illuminating Apparatus, Manifolds, Automatic Pluggers, Gas Regulators, Syringes, Vulcanizers, and Annealing Lamps.
Claims use since 1869.

Ser. No. 397,643. BURNS' CUBOID CO., INC., Santa Ana, Calif. Filed Sept. 22, 1937.

BURNS' CUBOIDS

W. C. Burns

The name "W. C. Burns" is the facsimile signature of W. C. Burns, former president of applicant corporation.
For Orthopedic Devices—Namely, Muscle Developers and Arch Strengtheners for the Feet.
Claims use since 1920.

Ser. No. 397,748. THE L. D. CAULK COMPANY, Milford, Del. Filed Sept. 24, 1937.

Pulprotex

For Dental Cement, a Bulk Lining for Deep Cavities.
Claims use since July 19, 1937.

Ser. No. 397,805. THE HEIDBRINK COMPANY, Minneapolis, Minn. Filed Sept. 25, 1937.

AIRATOR

For Anesthetic Gas Machines.
Claims use since Sept. 10, 1937.

Ser. No. 398,077. CAMPBELL X-RAY CORPORATION, Boston, Mass. Filed Oct. 4, 1937.

ANIMAGRAPH

For X-Ray Apparatus.
Claims use since July 15, 1933.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 394,956. WM. SCHEELE & SONS CO., INC., Fort Wayne, Ind. Filed July 7, 1937.

Waymo

For Non-Alcoholic Beverages, Particularly Pop.
Claims use since May 26, 1937.

Ser. No. 396,954. COFFEE PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 31, 1937.

RED E COFFEE

The word "Coffee" is disclaimed apart from the mark.
For Coffee Syrup for Flavoring Soft Drinks.
Claims use since May 21, 1937.

Ser. No. 397,109. CHULA VISTA MUTUAL LEMON ASSOCIATION, Chula Vista, Calif. Filed Sept. 4, 1937.

GILT EDGE

For Lemon Juice, Unsweetened, for Beverage Purposes.
Claims use since Dec. 1, 1934.

Ser. No. 397,731. WORLD BOTTLING COMPANY, LTD., New Orleans, La. Filed Sept. 23, 1937.

"Grapico"

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since May 15, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 368,556. CARL W. BROOME, Santa Barbara, Calif. Filed Aug. 22, 1935.



For Bread, Rolls, Sandwiches, Pies, Cookies, Doughnuts, Cake; Fresh Fruits, Including Apples, Bananas, Grapes, Grapefruit, Melons, Oranges, Pears, Peaches, Plums, and Pineapples; Candy, Tea, Coffee, and Cocoa.
Claims use since Feb. 15, 1935.

Ser. No. 375,220. TAICHI NAKATA, doing business as Ishikawaya Chomi Seizosho, Osaka, Japan. Filed Feb. 25, 1936.



The Japanese character which appears as a part of the seal is translated as "Superior Quality".

The non-Latin or Japanese characters appearing in group formation beneath the trade-mark "Aji-No-Kagami" means "Ajinokagami" which means "Mirror of Taste".

The Japanese characters which appear above applicant's name are translated as "high class flavoring material".

The Japanese characters which appear below "Osaka Japan" are translated as "Ishikawaya Chomi Seizosho", which is the trading name of the applicant.

Without waiving any common law rights, no claim is made to the Japanese character and the English translation of the same meaning "superior quality", to the Japanese characters and the English translation of the same meaning "high class flavoring material", nor to the geographical terms "Osaka Japan", apart from the mark as shown in the drawing.

For Powdered Material Containing Glutamic Soda for Food Flavoring Purposes.
Claims use since Nov. 5, 1929.

Ser. No. 376,360. CHARLES G. PEADON, doing business as The Dia-Lac Company, Marion, Ohio. Filed Mar. 24, 1936.

DIA-LAC

The word "Lac" is disclaimed apart from the mark "Dia-Lac".
For Diastatic Compound for Improving Flour.
Claims use since May 6, 1935.

Ser. No. 382,759. MERCHANTS SERVICE CORPORATION, Chicago, Ill., assignor to Recorg Supply Corporation, Chicago, Ill., a corporation of Delaware. Filed Aug. 31, 1936.

Moon Rose

For Canned Fruits, Dried Fruits, Canned Vegetables, Canned Fish, Canned Shrimp, Canned Oysters, Canned Soups, Canned Fruit Juices for Food Purposes, Canned Tomato Juice, Canned Sauer Kraut, Canned Chili Con Carne, Canned Pork and Beans, Canned Spaghetti, Catsup, Coffee, Tea, Cocoa, Spices, Canned Apple Sauce, Canned Cranberry Sauce, Fruit Preserves, Pickle Relish, Pastry, Pancake and Wheat Flour, Canned Hominy, Evaporated Milk and Salad Dressings.
Claims use since June 15, 1935.

Ser. No. 388,567. FLORIDA FRUIT CANNERS, INC., Frostproof, Fla. Filed Feb. 5, 1937.

NIP

Applicant is the owner of registrations Nos. 255,630, April 30, 1929, and 279,725, January 20, 1931.
For Canned Grapefruit Juice for Food Purposes.
Claims use since Sept. 30, 1936.

Ser. No. 389,086. MARYLAND BAKING COMPANY, INC., Baltimore, Md. Filed Feb. 18, 1937.

DIXIE MAID

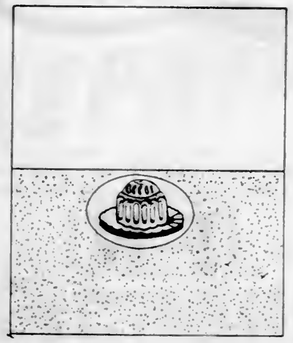
For Ice Cream Cones.
Claims use since Jan. 4, 1937.

Ser. No. 391,328. LEFFINGWELL RANCHO LEMON ASSOCIATION, Whittier, Calif. Filed Apr. 14, 1937.

CODE

For Fresh Citrus Fruits.
Claims use since Apr. 2, 1937.

Ser. No. 392,057. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 29, 1937.



For Gelatin Dessert.
Claims use since Dec. 4, 1936.

Ser. No. 392,529. LUIS SADA GOROSTIETA, Monterrey, Mexico. Filed May 10, 1937.

MASECA

For Prepared Corn Flour or Granula for Making Tortillas.
Claims use since Feb. 23, 1935.

Ser. No. 393,197. ROMEO PARENT, doing business as Familex Products Company, Montreal, Quebec, Canada. Filed May 24, 1937.

FAMILEX

For Olive Oils, Powder for Making Burnt Creams, Powder for Making Custard Puddings, Powder for Making Cocoanut Puddings, Baking Powders, Doughnut Flours, Pie Fillers, Vanilla Extracts, White Peppers, Black Peppers, Spices, Mixed Spices, Gingers, Celery Peppers, Onion Salts, Cinnamons, Prepared Mustards, Nutmegs, Cloves, Strawberry Extracts for Flavoring Foods, Lemon Extracts for Flavoring Foods, Peppermint Extracts for Flavoring Foods, Banana Extracts for Flavoring Foods, Maple Extracts for Flavoring Foods, Pineapple Extracts for Flavoring Foods, Wintergreen Extracts for Flavoring Foods, Almond Extracts for Flavoring Foods, and Orange Extracts for Flavoring Foods.
Claims use since July 1, 1928.

Ser. No. 393,201. ROMEO PARENT, doing business as Familex Products Company, Montreal, Quebec, Canada. Filed May 24, 1937.

FAMILEX

For Cake Flours, Cocoas, and Lemon Essences for Food Flavoring Purposes.
Claims use since July 1, 1928.

Ser. No. 393,493. FOUNTAINE & NELSON, Los Angeles, Calif. Filed June 1, 1937.

F AND N FOUNTAINE AND NELSON

No claim is made to the outline of the label.
For Fresh Deciduous Fruits, Fresh Citrus Fruits, Fresh Grapes, Fresh Vegetables, and Fresh Melons.
Claims use since Dec. 1, 1935.

Ser. No. 393,608. OSCAR MAYER & CO., INC., Chicago, Ill. Filed June 3, 1937.

Yellow Band

Exclusive right to a label colored yellow is disclaimed.
For Sausage.
Claims use since Mar. 23, 1937.

Ser. No. 394,857. PACIFIC PACKING COMPANY, Oakdale, Calif. Filed July 3, 1937.

CRANE

Applicant is the owner of trade-mark registrations Nos. 122,154, dated July 2, 1918, and 190,446, dated Oct. 14, 1924.
For Canned Fruits, Canned Vegetables.
Claims use since Nov. 2, 1906.

Ser. No. 395,807. BOZEMAN CANNING COMPANY, Bozeman, Mont. Filed July 30, 1937.

DUDE RANCH

For Canned Peas.
Claims use since June 12, 1937.

Ser. No. 395,876. NEW ENGLAND MAPLE SYRUP COMPANY, Chelsea, Mass. Filed July 31, 1937.

UNCLE JOHN'S



The picture is fanciful.
For Cane and Maple Sugar Syrup, Maple Kisses, and Maple Walnut Fudge.
Claims use since April, 1915.

Ser. No. 395,924. NESBITT FRUIT PRODUCTS, INC., Los Angeles, Calif. Filed Aug. 2, 1937.

FUDG-FREEZ

The word "Fudg" is disclaimed apart from the mark.
For Chocolate Fudge Preparation Used Chiefly for Garnishing or Flavoring Ice Cream, Cake, Pastry, and the Like.
Claims use since May 1, 1937.

Ser. No. 396,285. UNIVERSAL COCOA PRODUCTS CORPORATION, Chicago, Ill. Filed Aug. 11, 1937.

SOUP'S ON

The word "Soup's" is disclaimed apart from the mark. The drawing is lined for blue.
For Food Products—Namely, a Preparation for Making Soups.
Claims use since Dec. 29, 1936.

Ser. No. 396,343. KNICKERBOCKER MILLS CO., New York, N. Y. Filed Aug. 12, 1937.

ROYAL STANDARD

For Canned Fish, Canned Vegetables, Canned Fruits, Spices, Paprika, Seeds for Food Purposes, Canned Berries, and Olive Oil.
Claims use since 1883.

Ser. No. 396,422. PACIFIC PACKING COMPANY, Oakdale, Calif. Filed Aug. 14, 1937.



The word "green" and the representation of a label are disclaimed apart from the mark.
For Canned Vegetables—Namely, Canned Spinach.
Claims use since Feb. 8, 1936.

Ser. No. 396,580. RURAL EDUCATIONAL ASSOCIATION, Madison College, Tenn. Filed Aug. 19, 1937.

SOYBURGER LOAF

The word "Loaf" is disclaimed apart from the mark.
For Canned Protein Meat-Like Food Containing no Animal Products and Used as a Source of Protein, Like Meat.
Claims use since May 27, 1937.

Ser. No. 396,627. H. BUSCH & CO. INC., New York, N. Y. Filed Aug. 21, 1937.

GILSEY HOUSE

For Coffee, Tea, Rice, and Spices—Namely, Pepper, Paprika, Allspice, Ginger, Cardamon Seed, Oregano, Mint Leaves, Parsley Salt, Garlic Salt, Mustard, Nutmeg, Cloves, Mace, Thyme, Sage, Poultry Seasoning, Mace Penang, Curry Powder, Tumeric Powder, Pastry Spice, Marjorum, Onion Powder, Garlic Powder, Mixed Spices, Anise Seed, Bay Leaves, Savory Leaf, Rose Marie, Celery Seed, Dill Seed, Coriander Seed, Fennel Seed, and Poppy Seed.
Claims use since 1922.

Ser. No. 396,657. ABT AND LEWIS, INC., New York, N. Y. Filed Aug. 23, 1937.

ABT'S

"PENNIES"

For Tablets for Making Broth or Bouillon, Such as Clam Broth or Clam Bouillon.
Claims use since May 17, 1937.

Ser. No. 396,765. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Aug. 26, 1937.

TOPPER

For Candy.
Claims use since Apr. 8, 1932.

Ser. No. 396,766. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Aug. 26, 1937.

ZEPHYR

For Candy.
Claims use since Aug. 7, 1937.

Ser. No. 396,828. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Aug. 27, 1937.

ANCHORS AWEIGH

For Canned Fish.
Claims use since May, 1935.

Ser. No. 397,447. THE H. D. LEE MERCANTILE CO., Kansas City, Mo. Filed Sept. 15, 1937.

LITTLE JACK

For Canned Dog Food.
Claims use since September, 1932.

Ser. No. 397,834. GEO. BASSETT & COMPANY LIMITED, Sheffield, England. Filed Sept. 27, 1937.



For Candles.
Claims use since January, 1933.

CLASS 47

Wines

Ser. No. 389,598. BALLIF DISTRIBUTING COMPANY, Portland, Oreg. Filed Mar. 3, 1937.

PORTINA

For Wine.
Claims use since Jan. 15, 1937.

Ser. No. 395,416. ITALIAN SWISS COLONY, San Francisco, Calif. Filed July 19, 1937.

PORTONE

For Wines
Claims use since May 28, 1937.

Ser. No. 395,417. ITALIAN SWISS COLONY, San Francisco, Calif. Filed July 19, 1937.

SHERRITONE

For Wines.
Claims use since May 28, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 396,736. DAI NIPPON BREWERY COMPANY LIMITED, Tokyo, Japan. Filed Aug. 25, 1937.

ASAHI

For Beer.
Claims use since May 19, 1910.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 393,262. ATLAS DISTILLED PRODUCTS, INC., Chicago, Ill. Filed May 26, 1937.

ATLAS

BLACK CAVE

For Whiskeys.
Claims use since May 19, 1937.

Ser. No. 397,423. RATHJEN BROS., INC., San Francisco, Calif. Filed Sept. 14, 1937.

SUNNY SHORE

For Whiskey.
Claims use since Oct. 14, 1935.

Ser. No. 397,724. THE READ DRUG AND CHEMICAL CO. OF BALTIMORE CITY, Baltimore, Md. Filed Sept. 23, 1937.

Silver Dawn

For Gin.
Claims use since Aug. 27, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 397,620. RESPRO INC., Cranston, R. I. Filed Sept. 21, 1937.

RESKRAF

For Artificial Leather.
Claims use since July 14, 1937.

Ser. No. 397,883. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Sept. 27, 1937.

TRANSPAQUE

For Shrinkable Caps and Bands Used as Container Closures.
Claims use since July 9, 1937.

Ser. No. 397,895. ATLAS POWDER COMPANY, Wilmington, Del. Filed Sept. 28, 1937.

CELLORAY

For Coated Fabrics—Namely, Artificial Leather and Leather Cloth.
Claims use since Sept. 8, 1937.

[ACT OF FEBRUARY 20, 1905, AS AMENDED JUNE 20, 1936]

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 393,278. HARRIS TWEED ASSOCIATION, LIMITED, London, England. Filed May 26, 1937. Under the act of February 20, 1905, as amended June 20, 1936.



HARRIS TWEED

The words "Harris Tweed" are disclaimed apart from the mark.

For Harris Tweed—Namely, Tweed Made from Pure Virgin Wool Produced in Scotland; Spun, Dyed, and Finished in the Outer Hebrides and Handwoven by the Islanders at Their Own Homes in the Islands of Lewis, Harris, Uist, Barra, and Their Several Purtenances and All Known as the Outer Hebrides.
Claims use since June, 1911.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 9, 1937

351,738. FRESH MAYONNAISE, HORSE RADISH, AND SOUR PICKLES. Jas. E. Arthur & Son, Baltimore, Md.
Filed June 26, 1934. Serial No. 353,164. PUBLISHED AUGUST 31, 1937. Class 46.

351,739. COAL, OIL, AND GAS FIRED STEAM BOILERS AND WATER TANK HEATERS, GAS RANGES, GRATES, GRATE BARS, AND SIMILAR BOILER AND HEATER PARTS THEREFOR. H. C. Oswald Supply Co., Inc., New York, N. Y.
Filed July 5, 1934. Serial No. 353,536. PUBLISHED AUGUST 31, 1937. Class 34.

351,740. MEDICATED PETROLEUM JELLY PARTICULARLY FOR USE IN RELIEVING CHRONIC INFLAMMATORY AFFECTIONS OF THE MUCOUS MEMBRANES AND ADJACENT TISSUES OF THE VAGINAL TRACT. McNeil Laboratories, Inc., Philadelphia, Pa.
Filed August 2, 1935. Serial No. 367,933. PUBLISHED NOVEMBER 26, 1935. Class 6.

351,741. GREETING CARDS AND WALL CALENDARS. Japanese Wood Novelty Co., Inc., Providence, R. I.
Filed August 12, 1935. Serial No. 368,227. PUBLISHED AUGUST 17, 1937. Class 38.

351,742. PERIODICAL PUBLICATION, PUBLISHED WEEKLY. Five Star Publishing Corporation, San Francisco, Calif.
Filed February 1, 1936. Serial No. 374,364. PUBLISHED JUNE 23, 1936. Class 38.

351,743. CANDLES. Candy & Company, Inc., Chicago, Ill.
Filed April 6, 1936. Serial No. 376,834. PUBLISHED AUGUST 17, 1937. Class 15.

351,744. MAGAZINE SECTION. Regal Press, Inc., Chicago, Ill.
Filed May 8, 1936. Serial No. 378,233. PUBLISHED AUGUST 24, 1937. Class 38.

351,745. PERFUMES, TOILET LOTIONS, LIP STICKS, EYEBROW PENCILS, FACE POWDERS. Fernand Capelle, Lamouroux, France.
Filed May 22, 1936. Serial No. 378,744. PUBLISHED AUGUST 31, 1937. Class 6.

351,746. GROCERY PRODUCTS—NAMELY, COFFEE, TEA, SPICES, SUGAR, AND COCOA. Weidman, Ward & Co., Inc., Albany, N. Y.
Filed June 15, 1936. Serial No. 379,777. PUBLISHED AUGUST 31, 1937. Class 46.

351,747. FLOOR POLISHING LIQUID WAX. Charles W. Berg, doing business as Charles W. Berg Laboratories, Philadelphia, Pa.
Filed July 14, 1936. Serial No. 381,099. PUBLISHED AUGUST 31, 1937. Class 16.

351,748. RUGS AND CARPETS. Nye-Wait Company, Inc., Auburn, N. Y.
Filed July 30, 1936. Serial No. 381,637. PUBLISHED AUGUST 31, 1937. Class 42.

351,749. STEEL WOOL OR WOVEN METAL CLEANERS FOR METALWARE. David J. Kelman, New York, N. Y.
Filed July 31, 1936. Serial No. 381,826. PUBLISHED SEPTEMBER 22, 1936. Class 4.

351,750. ARTICLES OF FURNITURE—NAMELY, BUFFETS, DINING TABLES, SERVING TABLES, CHINA CABINETS, CORNER CABINETS, MIRRORS, DINING CHAIRS, SOFAS, ETC. Tomlinson of High Point, High Point, N. C.
Filed September 14, 1936. Serial No. 383,239. PUBLISHED AUGUST 31, 1937. Class 32.

351,751. GRAPE BRANDY. B. Cribari & Sons, Inc., San Jose, Calif.
Filed September 29, 1936. Serial No. 383,768. PUBLISHED NOVEMBER 10, 1936. Class 49.

351,752. SOLUTION FOR WATERPROOFING COTTON FABRICS, USED MORE PARTICULARLY ON CLOTHING, TENTS, BOAT COVERS, TARPAULINS, OR ANY OTHER FABRIC MATERIAL. Utica Duxbak Corporation, Utica, N. Y.
Filed October 6, 1936. Serial No. 384,061. PUBLISHED JULY 6, 1937. Class 6.

351,753. PRINTED CARDS FOR CONDUCTING A PRIZE DRAWING SYSTEM. Modern Merchandisers, Inc., Denver, Colo.
Filed October 16, 1936. Serial No. 384,427. PUBLISHED AUGUST 24, 1937. Class 38.

351,754. DRESSED POULTRY AND EGGS. Everett E. Reardon, doing business as Weinneshiek Henneries, Decorah, Iowa.
Filed October 26, 1936. Serial No. 384,815. PUBLISHED AUGUST 31, 1937. Class 46.

351,755. EXTRACTORS—NAMELY, BOLT, SCREW, AND NIPPLE EXTRACTORS, EXTRACTOR KITS, DRILLS, AND DRILL GUIDES AND WRENCHES FOR EXTRACTORS, AND PARTS FOR THE FOREGOING TOOLS. The Ridge Tool Company, North Ridgeville, Ohio.
Filed November 20, 1936. Serial No. 385,805. PUBLISHED AUGUST 31, 1937. Class 23.

351,756. METAL POLISH. Midway Chemical Co., Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey.
Filed November 30, 1936. Serial No. 386,121. PUBLISHED AUGUST 24, 1937. Class 4.

351,757. CANNED SARDINES IN PURE OLIVE OIL. Masaaki Mizuoaki, Sotoku, Kobe, Japan, assignor to Mitsui & Company, Ltd., Tokyo, Japan, a corporation of Japan.
Filed December 1, 1936. Serial No. 386,166. PUBLISHED AUGUST 31, 1937. Class 46.

351,758. VANITY KITS USED IN THE FEMININE TREATMENT OF THE EYES AND EYELASHES AND CONTAINING CREAMED MASCARA, AND EYE SHADOW. Guardian Products Corporation, New York, N. Y.
Filed December 3, 1936. Serial No. 386,328. PUBLISHED AUGUST 31, 1937. Class 6.

351,759. MOUSTACHE POMADE, FACIAL CREAMS, FACIAL POWDER, SKIN LOTIONS, AND HAIR TONIC. The Dante Company, Philadelphia, Pa.
Filed December 17, 1936. Serial No. 386,850. PUBLISHED JUNE 29, 1937. Class 6.

351,760. AUTOMOTIVE AND SIMILAR CLUTCHES AND PARTS THEREOF. Wholesaler's Service Co., St. Louis, Mo.
Filed December 18, 1936. Serial No. 386,919. PUBLISHED AUGUST 31, 1937. Class 23.

351,761. OINTMENT FOR THE TREATMENT OF ITCHING FEET, CRACKED TOES, CALLOUSES, CORNS, GYM ITCH, ECZEMA, AND TETTER. C. P. Products Company, Excelsior Springs, Mo.
Filed December 18, 1936. Serial No. 386,974. PUBLISHED AUGUST 31, 1937. Class 6.

351,762. BUTTER. Alaska Rural Rehabilitation Corporation, Palmer, Territory of Alaska.
Filed December 22, 1936. Serial No. 387,019. PUBLISHED AUGUST 31, 1937. Class 46.

351,763. CRACKERS, BISCUITS, AND CAKES. Loose-Wiles Biscuit Company, Long Island City, N. Y.
Filed December 31, 1936. Serial No. 387,335. PUBLISHED MARCH 23, 1937. Class 46.

351,764. PHARMACEUTICAL PREPARATION—NAMELY, REDUCING CREAM AND A SKIN OR TISSUE CREAM. William Stuart Symington, New York, N. Y., assignor to Cutasy Laboratories, Inc., New York, N. Y., a corporation of Delaware.
Filed January 6, 1937. Serial No. 387,523. PUBLISHED AUGUST 31, 1937. Class 6.

351,765. CHEMICAL FOR CLEANING POWDER. Jenny Jacobs, New York, N. Y.
Filed January 19, 1937. Serial No. 387,944. PUBLISHED AUGUST 31, 1937. Class 4.

351,766. ELECTRIC HEATING PADS, ELECTRIC HEATING BLANKETS, ELECTRIC THERAPEUTIC HEALTH LAMPS, ULTRA-VIOLET SUN LAMPS. Samson-United Corporation, Rochester, N. Y.
Filed February 6, 1937. Serial No. 388,620. PUBLISHED AUGUST 31, 1937. Class 44.

351,767. SYRUPS FOR FLAVORING BEVERAGES. David G. Evans Coffee Company, St. Louis, Mo.
Filed February 15, 1937. Serial No. 388,921. PUBLISHED JUNE 29, 1937. Class 45.

351,768. MEDICINAL PREPARATION FOR USE IN SUPPLEMENTING THE DIET OF WOMEN DURING PREGNANCY AND LACTATION WITH CERTAIN MINERAL AND VITAMIN ELEMENTS OF WHICH THERE MAY BE A DEFICIENCY IN THE NORMAL DIET. Vitamins Limited, London, England.
Filed February 19, 1937. Serial No. 389,159. PUBLISHED AUGUST 31, 1937. Class 6.

351,769. STEREOPTICAN PROJECTORS AND HOLDERS FOR SLIDES TO BE USED THEREIN. Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y.
Filed March 2, 1937. Serial No. 389,550. PUBLISHED AUGUST 31, 1937. Class 26.

351,770. ABRASIVE CLOTH AND ABRASIVE PAPER. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed March 4, 1937. Serial No. 389,647. PUBLISHED AUGUST 31, 1937. Class 4.

351,771. ABRASIVE CLOTH AND ABRASIVE PAPER. Minnesota Mining & Manufacturing Company, St. Paul, Minn.
Filed March 4, 1937. Serial No. 389,655. PUBLISHED AUGUST 24, 1937. Class 4.

351,772. FRESH PINEAPPLE, CANNED PINEAPPLE JUICE FOR FOOD PURPOSES, AND CANNED PINEAPPLE. Arthur Serra & Co., Chicago, Ill.
Filed March 5, 1937. Serial No. 389,698. PUBLISHED AUGUST 31, 1937. Class 46.

351,773. MONTHLY PUBLICATION. Popular Book Corporation, New York, N. Y., and Mount Morris, Ill.
Filed March 29, 1937. Serial No. 390,665. PUBLISHED AUGUST 10, 1937. Class 38.

351,774. NATURAL MINERAL WATER. D. Vincent Frugoli, San Francisco, Calif.
Filed April 8, 1937. Serial No. 391,063. PUBLISHED AUGUST 31, 1937. Class 45.

351,775. PARTY GAMES FOR CHILDREN TO BE PLAYED INDOORS AND OUTDOORS. Alfred R. Schuber, Wilmette, Ill.
Filed April 9, 1937. Serial No. 391,152. PUBLISHED AUGUST 31, 1937. Class 22.

351,776. WATCHES. The Waterbury Clock Company, Waterbury, Conn.
Filed April 9, 1937. Serial No. 391,163. PUBLISHED MAY 25, 1937. Class 27.

351,777. WATCHES. The Waterbury Clock Company, Waterbury, Conn.
Filed April 9, 1937. Serial No. 391,164. PUBLISHED MAY 25, 1937. Class 27.

351,778. COMFORTABLES. The Palmer Brothers Company, New London, Conn.
Filed April 21, 1937. Serial No. 391,655. PUBLISHED AUGUST 31, 1937. Class 42.

351,779. WATER AND AIR-COOLED ENGINES WITH INTERNAL COMBUSTION, AIRCRAFT ENGINES, PNEUMATIC BRAKE DEVICES FOR ALL ROAD AND RAIL VEHICLES, AND PARTS THEREOF. Tatra Works Ltd., Prague-Smichov, Czechoslovakia.
Filed April 21, 1937. Serial No. 391,664. PUBLISHED AUGUST 31, 1937. Class 23.

351,780. READY TO MIX PAINTS, METAL PRIMERS, AND PIGMENTED VARNISHES. Wailes Dove-Hermiston Corporation, New York, N. Y.
Filed April 21, 1937. Serial No. 391,667. PUBLISHED JULY 6, 1937. Class 16.

351,781. TITLE OF A PERIODICAL. Chilton Company, Philadelphia, Pa.
Filed April 23, 1937. Serial No. 391,743. PUBLISHED AUGUST 24, 1937. Class 38.

351,782. FOOT AND HAND EXERCISERS AND CORN AND CALLOUS FILES. Hussmann-Holmes Company, Los Angeles, Calif.
Filed April 23, 1937. Serial No. 391,764. PUBLISHED AUGUST 31, 1937. Class 44.

351,783. WALL HANGINGS IN THE NATURE OF TAPESTRY USING MATERIALS SUCH AS MERCERIZED RAYON, COTTON, SILK, OR WOOL. Vera Victoria Cumberland, San Francisco, Calif.
Filed April 24, 1937. Serial No. 391,794. PUBLISHED AUGUST 31, 1937. Class 42.

351,784. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. J. C. Penney Company, Wilmington, Del., and New York, N. Y.
Filed April 28, 1937. Serial No. 391,967. PUBLISHED AUGUST 31, 1937. Class 39.

351,785. STOVES, RANGES, FURNACES, BOILERS, AND WATER HEATERS FOR USING COAL, WOOD, GAS, OR OIL AS FUELS. Union Stove Works Inc., New York, N. Y.
Filed May 1, 1937. Serial No. 392,173. PUBLISHED AUGUST 31, 1937. Class 34.

351,786. FRESH CITRUS FRUIT. The Golden West Citrus Association, Tustin, Calif.
Filed May 4, 1937. Serial No. 392,269. PUBLISHED AUGUST 31, 1937. Class 46.

351,787. ROSIN SOAP. Hercules Powder Company, Wilmington, Del.
Filed May 6, 1937. Serial No. 392,362. PUBLISHED AUGUST 24, 1937. Class 4.

351,788. SIZE AND FINISH FOR RAYONS. General Dyestuff Corporation, New York, N. Y.
Filed May 8, 1937. Serial No. 392,487. PUBLISHED AUGUST 31, 1937. Class 6.

351,789. PREPARATIONS FOR THE TREATMENT OF HUMAN HAIR AND COSMETICS—NAMELY, HAIR TONIC, SHAMPOOS, FACE POWDER, FACE CREAM, ROUGE, LIPSTICK, AND ASTRINGENT. The American Hair Design Institute, Inc., New York, N. Y.
Filed May 11, 1937. Serial No. 392,575. PUBLISHED AUGUST 31, 1937. Class 6.

351,790. PREVENTATIVE FOR VENEREAL DISEASE. Sharp & Dohme, Incorporated, Philadelphia, Pa.
Filed May 15, 1937. Serial No. 392,815. PUBLISHED AUGUST 31, 1937. Class 6.

351,791. PERFUMES, FACE POWDER, TALC, TOILET CREAMS, ROUGES, LIPSTICKS, NAIL POLISH, HAIR COLORING FOR EYELASHES AND EYEBROWS. Parfumerie Violet, Societe Anonyme, Paris, France.
Filed May 17, 1937. Serial No. 392,887. PUBLISHED AUGUST 31, 1937. Class 6.

351,792. PERFUMES, FACE POWDER, TALC, TOILET CREAMS, ROUGES, LIPSTICKS, NAIL POLISH, HAIR COLORING FOR EYELASHES AND EYEBROWS. PARFUMERIE VIOLET, SOCIETE ANONYME, Paris, France.
Filed May 17, 1937. Serial No. 392,888. PUBLISHED AUGUST 31, 1937. Class 6.

351,793. PERFUMES, FACE POWDER, TALC, TOILET CREAMS, ROUGES, LIPSTICKS, NAIL POLISH, HAIR COLORING FOR EYELASHES AND EYEBROWS. PARFUMERIE VIOLET, SOCIETE ANONYME, Paris, France.
Filed May 17, 1937. Serial No. 392,893. PUBLISHED AUGUST 31, 1937. Class 6.

351,794. MACHINES AND TOOLS FOR MOISTENING, SERVING, OR APPLYING ADHESIVE OR GUMMED TAPE, WRAPPERS, LABELS, AND THE LIKE, ETC. NASHUA PACKAGE SEALING CO., INC., Nashua, N. H.
Filed May 14, 1937. Serial No. 392,948. PUBLISHED AUGUST 31, 1937. Class 23.

351,795. TOOTH PASTE. HO YEE HONG, doing business as H. Y. H. Factory, San Francisco, Calif.
Filed May 19, 1937. Serial No. 392,982. PUBLISHED AUGUST 31, 1937. Class 6.

351,796. COUNTER FOR PHOTOELECTRIC CELLS. JOE SAROWITZ, New York, N. Y.
Filed May 21, 1937. Serial No. 393,087. PUBLISHED AUGUST 31, 1937. Class 26.

351,797. BOOKS. BOOK-NIGHT, INC., Chicago, Ill.
Filed May 22, 1937. Serial No. 393,112. PUBLISHED AUGUST 17, 1937. Class 38.

351,798. TONIC MEDICINES FOR DEFICIENCIES OF VITAMINS AND IRON FOR HUMAN USE. GREENOSAN LIMITED, Colchester, England.
Filed May 26, 1937. Serial No. 393,276. PUBLISHED AUGUST 31, 1937. Class 6.

351,799. CARBONATED WINES. VINEYARDS OF AMERICA, INC., Brooklyn, N. Y.
Filed May 27, 1937. Serial No. 393,350. PUBLISHED AUGUST 31, 1937. Class 47.

351,800. MEDICATED ANTISEPTIC TROCHES FOR ORAL USE. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed May 28, 1937. Serial No. 393,394. PUBLISHED AUGUST 31, 1937. Class 6.

351,801. CANNED FRUITS AND VEGETABLES. EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Oreg.
Filed May 29, 1937. Serial No. 393,418. PUBLISHED AUGUST 31, 1937. Class 46.

351,802. PADS AND PADDING FOR LAUNDRY ROLLERS, PRESSING ROLLERS, AND PRESSING MACHINES. JOSEPH R. CROCKFORD, doing business as J. R. Crockford Company, Newark, N. J.
Filed June 4, 1937. Serial No. 393,637. PUBLISHED AUGUST 31, 1937. Class 24.

351,803. CHILDREN'S COATS AND SNOW SUITS. JULIUS KATZ & CO., INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,714. PUBLISHED AUGUST 31, 1937. Class 39.

351,804. MEN'S, WOMEN'S, BOYS', AND GIRLS' SPORT TROUSERS. NEW YORK KNITTING MILLS, INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,726. PUBLISHED AUGUST 31, 1937. Class 39.

351,805. MAGAZINE PUBLISHED MONTHLY DURING THE WINTER AND EVERY TWO MONTHS DURING THE SUMMER. THE CLOUGH-BRENGLE CO., Chicago, Ill.
Filed June 7, 1937. Serial No. 393,751. PUBLISHED AUGUST 17, 1937. Class 38.

351,806. FROZEN CONFECTIONS. BERTRAND L. YORK, doing business as Oakland Home-Kone Company, Oakland, Calif.
Filed June 7, 1937. Serial No. 393,789. PUBLISHED AUGUST 31, 1937. Class 46.

351,807. TOILET SOAPS. AIR CONDITIONED FABRICS CORP., New York, N. Y.
Filed June 8, 1937. Serial No. 393,790. PUBLISHED AUGUST 24, 1937. Class 4.

351,808. FRESH VEGETABLES. PREMIER PRODUCE COMPANY, Salinas, Calif.
Filed June 8, 1937. Serial No. 393,819. PUBLISHED AUGUST 31, 1937. Class 46.

351,809. BATH BRUSHES, BEAUTY BRUSHES, EYE BRUSHES, EYEBROW BRUSHES, HAIR BRUSHES, REPLACEABLE TOOTH BRUSH ELEMENTS, SHAVING BRUSHES, TOILET BRUSHES, TOOTH BRUSHES, AND POWDER PUFFS. S. H. KRESS AND COMPANY, New York, N. Y.
Filed June 9, 1937. Serial No. 393,859. PUBLISHED AUGUST 31, 1937. Class 29.

351,810. COSMETICS—NAMELY, LIP STICKS, FACE POWDERS, ROUGE, LIP ROUGE, MASCARA, AND FACE CREAMS. EARL B. MCKINNEY, New York, N. Y.
Filed June 9, 1937. Serial No. 393,864. PUBLISHED AUGUST 31, 1937. Class 6.

351,811. PERIODICAL. JEAN PAUL FERNEL, doing business as Beauty Publications Company, Chicago, Ill.
Filed June 10, 1937. Serial No. 393,902. PUBLISHED AUGUST 17, 1937. Class 38.

351,812. PERIODICAL. THOMAS PUBLISHING COMPANY, New York, N. Y.
Filed June 10, 1937. Serial No. 393,921. PUBLISHED AUGUST 24, 1937. Class 38.

351,813. ABRASIVE GRINDING WHEELS. SIMONDS WORDEN WHITE CO., Dayton, Ohio.
Filed June 11, 1937. Serial No. 393,963. PUBLISHED AUGUST 24, 1937. Class 4.

351,814. PRINTED NEWSPAPER COLUMN. THE PHILADELPHIA INDEPENDENT, Philadelphia, Pa.
Filed June 12, 1937. Serial No. 394,004. PUBLISHED AUGUST 24, 1937. Class 38.

351,815. MILK OF MAGNESIA. BENJAMIN QUINTERO, New York, N. Y.
Filed June 14, 1937. Serial No. 394,031. PUBLISHED AUGUST 31, 1937. Class 6.

351,816. FRESH CITRUS FRUITS AND VEGETABLES. BEN B. KRASNOW COMPANY, El Centro, Calif.
Filed June 15, 1937. Serial No. 394,089. PUBLISHED AUGUST 31, 1937. Class 46.

351,817. TABLE TENNIS EQUIPMENT—NAMELY, BATS, BALLS, NETS, NET HOLDERS, AND TABLES. WINDSOR MFG. CO., INC., Union City, N. J.
Filed June 15, 1937. Serial No. 394,105. PUBLISHED AUGUST 31, 1937. Class 22.

351,818. CANNED VEGETABLES. LINEBORO CANNING COMPANY, INC., Lineboro, Md.
Filed June 16, 1937. Serial No. 394,137. PUBLISHED AUGUST 31, 1937. Class 46.

351,819. HOSIERY. BROWN DURRELL CO., Boston, Mass., and New York, N. Y.
Filed June 17, 1937. Serial No. 394,164. PUBLISHED AUGUST 31, 1937. Class 39.

351,820. SECTION OF A MAGAZINE. ANNA KATHERINE NICHOLAS, Scarsdale, N. Y.
Filed June 17, 1937. Serial No. 394,182. PUBLISHED AUGUST 17, 1937. Class 38.

351,821. MEDICINAL PREPARATIONS FOR THE RELIEF OF STOMACH TROUBLES, CONSTIPATION, HEADACHES, AND ASSOCIATED TROUBLES, ETC. WEL-ART MEDICINE COMPANY, Brooklyn, Mich.
Filed June 17, 1937. Serial No. 394,205. PUBLISHED AUGUST 31, 1937. Class 6.

351,822. WOMEN'S AND CHILDREN'S SPORT SUITS, COATS, DRESSES, SLACKS, JACKETS, AND SKIRTS. ANTHONY BROTHERS, San Francisco, Calif.
Filed June 18, 1937. Serial No. 394,215. PUBLISHED AUGUST 31, 1937. Class 39.

351,823. SWEAT SHIRTS. NORWICH KNITTING COMPANY, Norwich, N. Y.
Filed June 18, 1937. Serial No. 394,246. PUBLISHED AUGUST 31, 1937. Class 39.

351,824. ELECTRICAL FIRE ALARM TRANSMITTING STATIONS (ORDINARILY TERMED FIRE ALARM BOXES), AND PARTS THEREOF. HORNI SIGNAL MANUFACTURING CORPORATION, New York, N. Y.
Filed June 19, 1937. Serial No. 394,282. PUBLISHED AUGUST 31, 1937. Class 21.

351,825. ELECTRIC TRAFFIC SIGNALS, CONTROL EQUIPMENT THEREFOR, AND PARTS THEREOF. HORNI SIGNAL MANUFACTURING CORPORATION, New York, N. Y.
Filed June 19, 1937. Serial No. 394,285. PUBLISHED AUGUST 31, 1937. Class 21.

351,826. OUTER JACKETS, SKI SUITS, AND SKI PANTS FOR MEN, WOMEN, AND CHILDREN. GERSTMAN MANUFACTURING CO., INC., Buffalo, N. Y.
Filed June 21, 1937. Serial No. 394,328. PUBLISHED AUGUST 31, 1937. Class 39.

351,827. CANNED SARDINES. A/S NORBEST CANNING CO., Bergen, Norway.
Filed June 23, 1937. Serial No. 394,395. PUBLISHED AUGUST 31, 1937. Class 46.

351,828. LADIES' NEGLIGEES, BATHROBES, AND HOUSECOATS, AND MEN'S LOUNGING ROBES AND BATHROBES. MICHAEL COOPER, New York, N. Y.
Filed June 23, 1937. Serial No. 394,401. PUBLISHED AUGUST 31, 1937. Class 39.

351,829. ELASTIC FABRICS IN THE PIECE, AND WIDE ELASTIC FABRICS CUT AT RANDOM LENGTHS. CLAUS A. COSMAN, New York, N. Y.
Filed June 23, 1937. Serial No. 394,403. PUBLISHED AUGUST 31, 1937. Class 42.

351,830. POWDERED FOOD PRODUCT CONTAINING MALT TO BE USED FOR FOOD BEVERAGE PURPOSES. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed June 25, 1937. Serial No. 394,485. PUBLISHED AUGUST 31, 1937. Class 46.

351,831. TYPEWRITER RIBBONS AND CARBON PAPER. REMINGTON RAND INC., Buffalo, N. Y.
Filed June 25, 1937. Serial No. 394,519. PUBLISHED AUGUST 31, 1937. Class 11.

351,832. WHEAT FLOUR, CANNED FRUITS, CANNED VEGETABLES, AND TOMATO JUICE. BLAIR-WOOD COMPANY, Lynchburg, Va.
Filed June 26, 1937. Serial No. 394,526. PUBLISHED AUGUST 31, 1937. Class 46.

351,833. PREPARATION FOR HAY FEVER AND ASTHMA. WALTER KROP, doing business as Haysma Laboratory, Chicago, Ill.
Filed June 26, 1937. Serial No. 394,649. PUBLISHED AUGUST 31, 1937. Class 6.

351,834. MACHINERY DRIVING BELTS AND ROPES. R. & J. DICK, LIMITED, Greenhead, Glasgow, S. E., Scotland.
Filed June 30, 1937. Serial No. 394,700. PUBLISHED AUGUST 31, 1937. Class 35.

351,835. GENERAL TONIC ELIXIR. LEADING DRUG CORPORATION, New York, N. Y.
Filed June 30, 1937. Serial No. 394,714. PUBLISHED AUGUST 31, 1937. Class 6.

351,836. ABSORPTIVE DOUGH-LIKE PREPARATION FOR CLEANING WALL PAPER. BENNETT GLASS & PAINT COMPANY, Salt Lake City, Utah.
Filed July 1, 1937. Serial No. 394,739. PUBLISHED AUGUST 24, 1937. Class 4.

351,837. STOCK FOOD. WISCONSIN MILLING COMPANY, Menomonie, Wis.
Filed July 1, 1937. Serial No. 394,765. PUBLISHED AUGUST 31, 1937. Class 46.

351,838. CREAM CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed July 2, 1937. Serial No. 394,778. PUBLISHED AUGUST 31, 1937. Class 46.

351,839. AUTOMOTIVE ELECTRIC CONDUCTOR CABLES AND WIRES. THE CRESCENT COMPANY, Pawtucket, R. I.
Filed July 2, 1937. Serial No. 394,781. PUBLISHED AUGUST 31, 1937. Class 21.

351,840. FRESH MILK. WALKER-GORDON LABORATORY COMPANY, INC., Plainsboro, N. J.
Filed July 2, 1937. Serial No. 394,816. PUBLISHED AUGUST 31, 1937. Class 46.

351,841. ELECTRICAL INSULATING VARNISHES AND COMPOUNDS. JOHN C. DOLPH COMPANY, Newark, N. J.
Filed July 3, 1937. Serial No. 394,828. PUBLISHED AUGUST 31, 1937. Class 21.

351,842. COOKIES. GIRL SCOUTS, (INCORPORATED), New York, N. Y.
Filed July 3, 1937. Serial No. 394,836. PUBLISHED AUGUST 31, 1937. Class 46.

351,843. TABLE-WARE OF STAINLESS STEEL—NAMELY, KNIVES, FORKS, AND SPOONS. INTERNATIONAL SILVER COMPANY, Meriden, Conn., assignor to Steelsmiths, Inc., Meriden, Conn., a corporation of Connecticut.
Filed July 3, 1937. Serial No. 394,839. PUBLISHED AUGUST 31, 1937. Class 23.

351,844. FRESH SWEET POTATOES. PORTALES VALLEY SWEET POTATO GROWERS ASSN., Portales, N. Mex.
Filed July 3, 1937. Serial No. 394,859. PUBLISHED AUGUST 31, 1937. Class 46.

351,845. MATTRESSES AND BOX SPRINGS. THE STEARNS & FOSTER CO., Cincinnati, Ohio.
Filed July 6, 1937. Serial No. 394,917. PUBLISHED AUGUST 31, 1937. Class 32.

351,846. PORTABLE FIREPLACES THAT ARE COMBINED WITH BOOKCASES AND CELLARETTES. THE BUCKLEY, NEWHALL COMPANY, Brooklyn, N. Y.
Filed July 7, 1937. Serial No. 394,932. PUBLISHED AUGUST 31, 1937. Class 32.

351,847. PORTABLE FIREPLACES THAT ARE COMBINED WITH BOOKCASES AND CELLARETTES. THE BUCKLEY, NEWHALL COMPANY, Brooklyn, N. Y.
Filed July 7, 1937. Serial No. 394,933. PUBLISHED AUGUST 31, 1937. Class 32.

351,848. RAYON PIECE GOODS. M. HAUSMAN & SONS, New York, N. Y.
Filed July 7, 1937. Serial No. 394,941. PUBLISHED AUGUST 31, 1937. Class 42.

351,849. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed July 7, 1937. Serial No. 394,944. PUBLISHED AUGUST 31, 1937. Class 39.

351,850. DENTAL PLATE POWDER. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed July 7, 1937. Serial No. 394,954. PUBLISHED AUGUST 31, 1937. Class 6.

351,851. LADIES' COATS AND SUITS. LOU SCHNEIDER, INC., New York, N. Y.
Filed July 7, 1937. Serial No. 394,957. PUBLISHED AUGUST 31, 1937. Class 39.

351,852. BATHING SUITS FOR WOMEN AND MISSES. ARKWRIGHT, INCORPORATED, New York, N. Y.
Filed July 8, 1937. Serial No. 394,968. PUBLISHED AUGUST 31, 1937. Class 39.

351,853. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed July 8, 1937. Serial No. 394,979. PUBLISHED AUGUST 31, 1937. Class 42.

351,854. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed July 8, 1937. Serial No. 394,980. PUBLISHED AUGUST 31, 1937. Class 23.

351,855. STORAGE BATTERIES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 9, 1937. Serial No. 395,033. PUBLISHED AUGUST 31, 1937. Class 21.

351,856. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. WILLIAM HOLLINS AND COMPANY, LIMITED, Nottingham, England.
Filed July 9, 1937. Serial No. 395,038. PUBLISHED AUGUST 31, 1937. Class 42.

351,857. BREAKFAST CEREAL FOODS. NEW FOODS, INC., Chicago, Ill.
Filed July 9, 1937. Serial No. 395,045. PUBLISHED AUGUST 31, 1937. Class 46.

351,858. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed July 10, 1937. Serial No. 395,087. PUBLISHED AUGUST 31, 1937. Class 46.

351,859. GREASELESS CREAM AND SKIN LOTION. THE PINETRINE COMPANY, INC., New York, N. Y.
Filed July 10, 1937. Serial No. 395,089. PUBLISHED AUGUST 31, 1937. Class 6.

351,860. CEREAL FOOD PRODUCTS, PARTICULARLY BREAKFAST CEREAL. GENERAL MILLS, INC., Minneapolis, Minn.
Filed July 12, 1937. Serial No. 395,130. PUBLISHED AUGUST 31, 1937. Class 46.

351,861. ALFALFA LEAF MEAL. H. R. SNOW, doing business as Snow Brokerage Company, Los Angeles, Calif.
Filed July 12, 1937. Serial No. 395,155. PUBLISHED AUGUST 31, 1937. Class 46.

351,862. TOILET SOAP. WILSON & CO., INC., Chicago, Ill.
Filed July 12, 1937. Serial No. 395,160. PUBLISHED AUGUST 31, 1937. Class 4.

351,863. FROZEN DESSERTS AND FROZEN CONFECTIONS. FUSSELL-YOUNG ICE CREAM COMPANY, Washington, D. C.
Filed July 14, 1937. Serial No. 395,191. PUBLISHED AUGUST 31, 1937. Class 46.

351,864. READY MIXED PAINT AND PAINT ENAMELS. BENJAMIN MOORE & Co., Jersey City, N. J., and New York, N. Y.
Filed July 16, 1937. Serial No. 395,314. PUBLISHED AUGUST 31, 1937. Class 16.

351,865. PYROTECHNIC DISPLAY ROCKETS. THOMAS G. HITT, Seattle, Wash.
Filed July 17, 1937. Serial No. 395,345. PUBLISHED AUGUST 31, 1937. Class 9.

351,866. BOARD GAMES. SHUFFLE-PITCH CO., New Rochelle, N. Y.
Filed July 17, 1937. Serial No. 395,358. PUBLISHED AUGUST 31, 1937. Class 22.

351,867. FACE TENTS USED IN THE ADMINISTRATION OF OXYGEN FOR MEDICAL PURPOSES. OXYGEN THERAPY SERVICE, INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,537. PUBLISHED AUGUST 31, 1937. Class 44.

351,868. CANNED VEGETABLES. FALL RIVER CANNING COMPANY, Fall River, Wis.
Filed July 23, 1937. Serial No. 395,572. PUBLISHED AUGUST 31, 1937. Class 46.

351,869. WHISKEY. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Ky.
Filed July 28, 1937. Serial No. 395,698. PUBLISHED AUGUST 31, 1937. Class 49.

351,870. BRIDAL VEILS AND HEADDRESSES, WEDDING DRESSES, DRESSES AND HATS FOR BRIDESMAIDS. BRIDAL CREATIONS, INC., New York, N. Y.
Filed June 1, 1937. Serial No. 393,474. PUBLISHED AUGUST 10, 1937. Class 39.

351,871. GIN. ROMA WINE & LIQUOR COMPANY, Baltimore, Md.
Filed August 2, 1937. Serial No. 395,928. PUBLISHED SEPTEMBER 7, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

351,872. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL CABLE CORPORATION, New York, N. Y. Filed Mar. 28, 1935. Serial No. 363,095.

MID-RIP

For Insulated Electrical Wires and Cables.
Claims use since Mar. 13, 1935.

351,873. (CLASS 39. CLOTHING.) MAIDEN FORM BRASSIERE COMPANY, INC., New York, N. Y. Filed Jan. 13, 1936. Serial No. 373,610.

Maiden Form

For Brassières, Bandeaux, Garter-Belts, Corsets, Corselets, Girdles, Panties, and Pantie-Girdles.
Claims use since December, 1923.

351,874. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GILBERT R. MEYERS, Fort Wayne, Ind., assignor to Trouzer Meter, Inc., Fort Wayne, Ind., a corporation of Indiana. Filed Mar. 9, 1936. Serial No. 375,767.

TROUZER METER

For Measuring Devices for Measuring Tailored Wearing Apparel.
Claims use since Feb. 15, 1936.

351,875. (CLASS 37. PAPER AND STATIONERY.) REGAL PAPER COMPANY, INC., Pulaski, N. Y. Filed Apr. 27, 1936. Serial No. 377,709.

doubl-pak

For Paper Napkins.
Claims use since Feb. 1, 1936.

351,876. (CLASS 37. PAPER AND STATIONERY.) REGAL PAPER COMPANY, INC., Pulaski, N. Y. Filed Apr. 27, 1936. Serial No. 377,711.

Multi-pak

For Paper Napkins.
Claims use since Feb. 1, 1936.

351,877. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed June 24, 1936. Serial No. 380,165.

"All in One . Easily Done"

For Yarn for Art Needlework.
Claims use since June 8, 1936.

351,878. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Aug. 3, 1936. Serial No. 381,778.

Spun-Crepe

For Hosiery.
Claims use since July 25, 1936.

351,879. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SERVICE DEVICES INCORPORATED, New York, N. Y. Filed Aug. 18, 1936. Serial No. 382,324.

SERVICE

For Ice Shaving and Chipping Machines.
Claims use since Mar. 9, 1936.

351,880. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DERMAY PERFUMERS, INC., New York, N. Y. Filed Aug. 28, 1936. Serial No. 382,659.

CHARING

For Bath Oil, Sachet, Bath Salts, Talcum Powders, and Toilet Waters.
Claims use since July 6, 1936.

351,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAPLAN RICE MILL, INC., Kaplan, La. Filed Sept. 23, 1936. Serial No. 383,533.

KAPLAN'S

For Rice Bran for Animal Feed and Rice Polish for Animal Feed.
Claims use since Sept. 12, 1936.

351,882. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAVELLE, INC., Cincinnati, Ohio. Filed Sept. 23, 1936. Serial No. 383,534.

LAVELLE

For Eye Lotion.
Claims use since Sept. 18, 1936.

351,883. (CLASS 39. CLOTHING.) MOLD FORM BRASSIERE, INC., New York, N. Y. Filed Sept. 24, 1936. Serial No. 383,595.

MoldForm

For Bandeaux, Brassières, Girdles, and Corsets, and Corselets.
Claims use since Sept. 15, 1936.

351,884. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CROSS BROTHERS COMPANY, Northfield, Vt. Filed Oct. 10, 1936. Serial No. 384,197.

CROSS CO. BROS

For Tombstones, Monuments, and Memorials.
Claims use since Sept. 25, 1936.

351,885. (CLASS 39. CLOTHING.) THE SELBY SHOE CO., Portsmouth, Ohio. Filed Oct. 16, 1936. Serial No. 384,442.

Hi-Tied

....AND SMART TO BOOT

For Women's Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Sept. 1, 1936.

351,886. (CLASS 43. THREAD AND YARN.) SHEPHERD WORSTED MILLS, Newton, Mass. Filed Oct. 22, 1936. Serial No. 384,674.

CASHMERE DELAINE

For Fingering Yarns for Knitting and Crocheting.
Claims use since Sept. 4, 1936.

351,887. (CLASS 39. CLOTHING.) MORRIS SOBELMAN, doing business as Perfect Garment Company, Baltimore, Md. Filed Oct. 22, 1936. Serial No. 384,678.

SUMAKOOL

For Children's, Misses', and Women's Outer Garments—Namely, Dresses, Coats, and Suits.
Claims use since Oct. 1, 1936.

351,888. (CLASS 39. CLOTHING.) HONOLULU EXPORT COMPANY, Honolulu, Territory of Hawaii. Filed Oct. 30, 1936. Serial No. 384,964.

WAIKIKI FASHIONS

MADE IN

HONOLULU, HAWAII

For Women's Wearing Apparel—Namely, Swimming Suits, Beach Suits, Play Suits, Slacks, Pajamas, Blouses, and Dresses.
Claims use since Aug. 29, 1936.

351,889. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TERN-RITE MANUFACTURING COMPANY, Riverside, N. J. Filed Nov. 18, 1936. Serial No. 385,708.

TERN-RITE

"It Steers"

For Roller Skates.
Claims use since July 9, 1936.

351,890. (CLASS 39. CLOTHING.) COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Dec. 2, 1936. Serial No. 386,205.

California Throw-On

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers.
Claims use since Oct. 1, 1936.

351,891. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Dec. 17, 1936. Serial No. 386,851.

GASAVER

For Spark Plugs.
Claims use since Sept. 23, 1936.

351,892. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. KIRK WHITE & CO., Oconomowoc, Wis. Filed Jan. 13, 1937. Serial No. 387,763.

SMOKOFF

For Nicotine Stain Remover.
Claims use since Sept. 2, 1936.

351,893. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LOUIS SIEVERS SONS CO., Chicago, Ill. Filed Feb. 18, 1937. Serial No. 389,104.

A. M.

HENDERSON

For Whiskey.
Claims use since Oct. 1, 1936.

351,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOR-PAK PRESERVING CORPORATION, Stockton, Calif. Filed Apr. 12, 1937. Serial No. 391,238.

It's the flavor

For Canned Fruits.
Claims use since Sept. 18, 1936.

351,895. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MILLER PRINTING MACHINERY CO., Pittsburgh, Pa. Filed Apr. 20, 1937. Serial No. 391,586.

miller

For Printing Presses and Saw-Trimmers for the Printing Trade.
Claims use since July 31, 1936.

351,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PREMIUM BAKERS, INC., Brooklyn, N. Y. Filed Apr. 28, 1937. Serial No. 391,971.

RUSSIAN STYLE HEALTH BREAD

For Bread and Pumpernickel Bread.
Claims use since January, 1930.

351,897. (CLASS 39. CLOTHING.) TOOTAL BROADHURST LEE CO. LIMITED, Manchester, England. Filed May 14, 1937. Serial No. 392,782.

TOOTAL

For Ties, Scarves, and Dressing Gowns Made from Textile Fabrics.
Claims use since June, 1932.

351,898. (CLASS 39. CLOTHING.) THE GLUCKAUF COMPANY, INC., New York, N. Y. Filed June 5, 1937. Serial No. 393,679.

CRACKERJACKS

For Suspenders.
Claims use since 1914.

351,899. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LIQUOR DEALERS SUPPLY CO., Chicago, Ill. Filed June 5, 1937. Serial No. 393,719.

BEVERLEY CLUB

For Whiskey.
Claims use since November, 1935.

351,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. SALSBURY'S LABORATORIES, Charles City, Iowa. Filed June 14, 1937. Serial No. 394,057.

DR. SALSBURY'S HATCHERY SPRAY

For Incubator and Poultry House Disinfectant.
Claims use since April, 1931.

351,901. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EDWARD BARQ, SR., Biloxi, Miss. Filed June 19, 1937. Serial No. 394,267.

Barq's

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, Compounds, and Flavors Used in Making the Same.
Claims use since January, 1915.

351,902. (CLASS 39. CLOTHING.) STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed July 9, 1937. Serial No. 395,056.

PALMNIT

For Gloves Made of Fabric.
Claims use since Mar. 25, 1935.

351,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE THOMAS PAGE MILL COMPANY, Topeka, Kans. Filed Aug. 9, 1937. Serial No. 396,202.

BROAD-FLAKE

For Wheat Bran Sold as a Stock Feed.
Claims use since Jan. 1, 1902.

351,904. (CLASS 39. CLOTHING.) JOHN E. FUCHS CO., INC., New York, N. Y. Filed Aug. 12, 1937. Serial No. 396,304.

Kay Fuchs HAND TAILORED

For Ladies', Men's, and Children's Gloves of Leather, Fabric, and Combinations of said Materials.
Claims use since June 15, 1935.

351,905. (CLASS 39. CLOTHING.) HAGERSTOWN RUBBER COMPANY, Hagerstown, Md. Filed Aug. 14, 1937. Serial No. 396,393.

WINDSOR

For Rubber Heels, Taps, and Soles.
Claims use since Jan. 1, 1919.

351,906. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Aug. 21, 1937. Serial No. 396,631.

Nobutton

For Men's and Boys' Undershirts, Shorts, and Union Suits, Outer Shirts, Sweaters, Beach Robes, Bath Robes, Socks and Sport Stockings, Garters, Suits, Sport Slacks and Trousers, Overcoats, Neckties, Collars, Leather and Fabric Gloves, Leather and Fabric Sport Coats, Bathing Suits, Bathing Trunks, Scarfs and Mufflers, Pajamas and Nightshirts, Raincoats, Hats and Caps.
Claims use since July, 1934.

351,907. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOUTH CENTER DEPARTMENT STORE, Chicago, Ill. Filed Aug. 28, 1937. Serial No. 396,900.

Longwear

For Sheets and Pillow Cases.
Claims use since Aug. 16, 1936.

351,908. (CLASS 39. CLOTHING.) SAMUEL J. GOLDFARB, New York, N. Y. Filed Sept. 1, 1937. Serial No. 396,987.

"FROX-AND-SMOX"

from

Hollywood Pre-vue Shops

For Women's Dresses.
Claims use since June 18, 1936.

TRADE-MARK REGISTRATIONS RENEWED

118,743. STEAM GENERATORS AND RADIATORS. Registered October 2, 1917. BAYLEY MANUFACTURING COMPANY, Milwaukee, Wis. Renewed October 2, 1937, to Bayley Blower Company, West Allis, Wis., a corporation of Wisconsin, assignee by mesne assignments.

118,791. CANNED SALMON, COVE-OYSTERS, SHRIMP, TUNA-FISH, COCOA, CANNED PEACHES, AND CHILLI-CON-CARNE. Registered October 2, 1917. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 2, 1937.

118,809. NEWS-PRINT PAPER. Registered October 2, 1917. PEJEPSCOT PAPER COMPANY, New York, N. Y. Renewed October 2, 1937, to Pejepscot Paper Company, Brunswick, Maine, a corporation of Maine.

118,836. TOGGLE-BOLTS. Registered October 2, 1917. U. S. EXPANSION BOLT CO., New York, N. Y., a corporation of New York. Renewed October 2, 1937.

118,846. CERTAIN NAMED PAPER AND STATIONERY. Registered October 9, 1917. AMERICAN PAD & PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed October 9, 1937.

118,847. CERTAIN NAMED CONSTRUCTION MATERIALS. Registered October 9, 1917. THE ARCO COMPANY. Renewed October 9, 1937, to The Arco Company, Cleveland, Ohio, a corporation of Ohio, assignee.

118,861. A SAFETY-FUSE. Registered October 9, 1917. COAST MANUFACTURING & SUPPLY CO., Livermore, Calif., a corporation of Delaware. Renewed October 9, 1937.

119,019. A FLUID FOR PREVENTING PAINT FROM PEELING OFF GALVANIZED IRON. Registered October 23, 1917. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa. Renewed October 23, 1937, to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware.

119,025. ELECTRIC COOKING-STOVES, ELECTRIC RANGES, AND ELECTRIC HEATING-STOVES. Registered October 23, 1917. AMERICAN STOVE COMPANY, St. Louis, Mo., a corporation of New Jersey. Renewed October 23, 1937.

119,042. WRAPPING-PAPER. Registered October 23, 1917. CHEBOYGAN PAPER COMPANY, Cheboygan, Mich. Renewed October 23, 1937, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey, assignee.

119,095. A PREPARATION FOR RELIEF OF STOMACH TROUBLES, RHEUMATISM, AND KIDNEY AILMENTS. Registered October 23, 1917. JAMES MADISON MORRISON, Fort Wayne, Ind. Renewed October 23, 1937.

119,282. PHOTOGRAPHIC DEVELOPER. Registered November 13, 1917. EASTMAN KODAK CO. Renewed November 13, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

119,324. A TAPIOCA PRODUCT MADE FROM CORN. Registered November 13, 1917. KELLOGG TOASTED CORN FLAKE COMPANY. Renewed November 13, 1937, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

119,366. CERTAIN NAMED ABRASIVE MATERIALS AND TOOLS. Registered November 13, 1917. PIKE MANUFACTURING COMPANY, Pike and Littleton, N. H.; Evansville, Vt.; Orleans, Ind.; Hot Springs, Ark.; and New York, N. Y. Renewed November 13, 1937, to Norton Pike Company, Worcester, Mass., a corporation of Massachusetts, assignee.

119,596. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered November 27, 1917. WISCONSIN ELECTRIC COMPANY. Renewed November 27, 1937, to Dumore Company, Racine, Wis., a corporation of Wisconsin, by change of name.

119,681. PHOTOGRAPHIC TONING SOLUTION, HARDENER, AND TONING AND FIXING SOLUTION. Registered December 11, 1917. EASTMAN KODAK COMPANY. Renewed December 11, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

119,886. PHOTOGRAPHIC FILM. Registered December 18, 1917. EASTMAN KODAK COMPANY. Renewed December 18, 1937, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey, assignee.

119,943. PIANOS, PLAYER-PIANOS, AND TALKING-MACHINES. Registered December 25, 1917. CABLE-NELSON PIANO CO., Chicago, Ill. Renewed December 25, 1937, to Everett Piano Company, South Haven, Mich., a corporation of Illinois, assignee.

120,002. CORSETS AND GIRDLES IN THE NATURE OF AND WORN AS SUBSTITUTES FOR CORSETS. Registered December 25, 1917. AMBROSE WILSON LIMITED, London, England, a corporation of Great Britain. Renewed December 25, 1937.

120,129. HEELS FOR BOOTS AND SHOES. Registered January 8, 1918. WILDER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 8, 1938.

120,236. METAL SNAP-FASTENERS USED TO FASTEN WEARING-APPAREL. Registered January 29, 1918. AMERICAN FASTENER COMPANY, Waterbury, Conn., a corporation of Connecticut. Renewed January 29, 1938.

120,247. STOUT AND ALE. Registered January 29, 1918. EDWARD & JOHN BURKE, LIMITED, Dublin and Belfast, Ireland. Renewed January 29, 1938, to Edward & John Burke, Limited, Dublin, Ireland, and Liverpool, England, a corporation of the Kingdom of Great Britain and Ireland and now of the Irish Free State.

120,266. COMPOUND, A SUBSTITUTE FOR LARD. Registered January 29, 1918. KINGAN & COMPANY, LIMITED, Belfast, Ireland, and Indianapolis, Ind. Renewed January 29, 1938, to Kingan & Co., Incorporated, Indianapolis, Ind., a corporation of New Jersey, assignee.

120,338. APPARATUS FOR PRODUCING A CERTAIN NAMED GAS. Registered February 5, 1918. WILLIAM P. DEPPÉ, New York, N. Y. Renewed February 5, 1938.

120,406. TERNE PLATES. Registered February 5, 1918. LYON, CONKLIN & CO. INC. Renewed February 5, 1938, to Lyon, Conklin & Co. Inc., Baltimore, Md., a corporation of Maryland, successor.

120,555. DEXTRIN. Registered February 19, 1918. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed February 19, 1938.

120,600. WALL-PAPER. Registered February 19, 1918. W. H. S. LLOYD CO., New York, N. Y., and Chicago, Ill. Renewed February 19, 1938, to W. H. S. Lloyd Co., Inc., New York, N. Y., a corporation of New York, successor.

120,625. CANNED SHRIMP, CANNED VEGETABLES, AND CANNED FRUITS. Registered February 19, 1918. PELICAN LAKE OYSTER & PACKING CO. LTD., Houma, La., a corporation of Louisiana. Renewed February 19, 1938.

120,662. PRINTED BOOKS, PERIODICALS, PAMPHLETS, AND CIRCULARS. Registered February 26, 1918. BROTHERHOOD RAILWAY CARMEN OF AMERICA, Kansas City, Mo., a voluntary association. Renewed February 26, 1938.

120,667. COMPOSITION FOR COVERING PRINTERS' ROLLERS. Registered February 26, 1918. "THE DURABLE" PRINTERS' ROLLER COMPANY LIMITED, London, England, a corporation of Great Britain. Renewed February 26, 1938.

120,749. A PREPARATION FOR THE TREATMENT OF DYSPEPSIA, INDIGESTION, AND OTHER DISORDERS OF THE STOMACH CAUSED BY HYDRACIDITY. Registered March 5, 1918. INTERNATIONAL DRUGGISTS' & CHEMISTS' LABORATORIES, INC. Renewed March 5, 1938, to Bisurated, Inc., New York, N. Y., a corporation of New York, by change of name.

120,750. A HAIR-TONIC. Registered March 5, 1918. THE MADAME C. J. WALKER MANUFACTURING CO., INC., Indianapolis, Ind., a corporation of Indiana. Renewed March 5, 1938.

120,765. INGOT-BRONZE AND INGOT-BRASS. Registered March 5, 1918. MICH. SMELTING & REFINING CO. Renewed March 5, 1938, to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan, assignee.

120,770. SOLDER AND BEARING METALS. Registered March 5, 1918. NATIONAL LEAD COMPANY, New York, N. Y., a corporation of New Jersey. Renewed March 5, 1938.

120,907. TROUSERS. Registered March 12, 1918. SHULL DAY CO. Renewed March 12, 1938, to Day's Taylor-D Clothing, Inc., Tacoma, Wash., a corporation of Washington, assignee.

120,913. DRESS, FLANNEL, AND NEGLIGÉE SHIRTS. Registered March 12, 1918. M. E. SMITH & CO. INC. Renewed March 12, 1938, to Beau-Brummel Company, Omaha, Nebr., a corporation of Nebraska, assignee by mesne assignments.

120,920. CERTAIN NAMED MACHINES AND TOOLS. Registered March 12, 1918. UNION TWIST DRILL COMPANY, Athol, Mass., a corporation of Massachusetts. Renewed March 12, 1938.

120,950. SPARK-PLUG PORCELAINS AND PARTS. Registered March 19, 1918. CHAMPION SPARK PLUG COMPANY, Toledo, Ohio, a corporation of Delaware. Renewed March 19, 1938.

120,960. ELECTRICALLY-PROPELLED TRUCKING-VEHICLES. Registered March 19, 1918. COWAN TRUCK COMPANY, Holyoke, Mass. Renewed March 19, 1938, to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut, assignee by mesne assignments.

120,962. SAWS. Registered March 19, 1918. HENRY DISSTON & SONS, INCORPORATED, Philadelphia, Pa., a corporation of Pennsylvania. Renewed March 19, 1938.

120,963. CERTAIN NAMED MEASURING AND SCIENTIFIC APPLIANCES. Registered March 19, 1918. EASTMAN KODAK COMPANY. Renewed March 19, 1938, to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware, assignee.

120,969. CERTAIN NAMED LADIES' NECKWEAR AND BOUDOIR-CAPS AND AUTOMOBILE-HATS. Registered March 19, 1918. G., H. & E. FREYDBERG. Renewed March 19, 1938, to G., H. and E. Freydberg, Inc., New York, N. Y., a corporation of New York, successor.

120,971. LEATHER SOLES. Registered March 19, 1918. THE GRATON AND KNIGHT MANUFACTURING COMPANY. Renewed March 19, 1938, to Graton and Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

121,000. HAIR-TONIC. Registered March 19, 1918. F. AD. RICHTER & CO. Renewed March 19, 1938, to F. Ad. Richter & Co. Inc., New York, N. Y., a corporation of New York, assignee.

121,004. PAJAMAS. Registered March 19, 1918. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed March 19, 1938.

121,005. PAJAMAS. Registered March 19, 1918. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed March 19, 1938.

121,006. HATS AND CAPS. Registered March 19, 1918. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed March 19, 1938.

121,007. PAJAMAS. Registered March 19, 1918. ROGERS PEET COMPANY, New York, N. Y., a corporation of New York. Renewed March 19, 1938.

LABELS

REGISTERED NOVEMBER 9, 1937

50,350.—*Title:* ABBOTTS DE LUXE CREAM CHEESE. For Cream Cheese. ABBOTTS DAIRIES, INC., Philadelphia, Pa. Published October 8, 1937.

50,351.—*Title:* SHERI CHEE. For Aged Cheddar Cheese Steeped in Old Sherry Wine and Combined with Milk Proteins. ARDEN FARMS, INC., Los Angeles, Calif. Published December 30, 1936.

50,352.—*Title:* THE PORTER'S CHAMPION—THE BETTER METAL POLISH. For Metal Polish. HARRIS BERMAN, Milwaukee, Wis. Published May 28, 1937.

50,353.—*Title:* A GUARANTEED NET OF PARAMOUNT QUALITY. For Hair Nets. THE GLEMBY COMPANY, INC., New York, N. Y. Published December 31, 1936.

50,354.—*Title:* SKY BAR. For Filled Chocolate Blocks. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Published August 26, 1937.

50,355.—*Title:* CHARLO BRAND BIG APPLE. For Apple Juice. PIEDMONT APPLE PRODUCTS CO., Charlottesville, Va. Published Oct. 12, 1937.

50,356.—*Title:* ORIGINAL HAVANA SMOKERS. For Cigars. W. M. PINCKARD, doing business as P. H. Cigar Co., Houston, Tex. Published July 19, 1937.

50,357.—*Title:* ACEPHEN TABLETS. For Analgesic and Antipyretic Tablets. MRS. JAMES S. ROBINSON, Memphis, Tenn. Published January 1, 1936.

50,358.—*Title:* MIRA LINDA. For California Burgundy. GIOVANNI VAI, doing business as Cucamonga Valley Wine Co., Los Angeles, Calif. Published November 9, 1936.

50,359.—*Title:* GLORIETA. For Grape Brandy. GIOVANNI VAI, doing business as Cucamonga Valley Wine Co., Los Angeles, Calif. Published November 9, 1936.

50,360.—*Title:* "X" FLUSH. For a Flushing Compound for Radiator and Boiler Systems. "X" LABORATORIES, INC., New York, N. Y. Published July 30, 1937.

PRINTS

REGISTERED NOVEMBER 9, 1937

16,565.—*Title:* A WORLD'S FAIR OF GIFTS. For Gifts. ALLIED PURCHASING CORPORATION, New York, N. Y. Published May 20, 1937.

16,566.—*Title:* A WORLD'S FAIR OF GIFTS. For Gifts. ALLIED PURCHASING CORPORATION, New York, N. Y. Published May 20, 1937.

16,567.—*Title:* CLEVER WOMEN ADD SPARKLE TO 'BELOW PAR' MENUS THIS NEW WAY. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published October 10, 1937.

16,568.—*Title:* HARRISBURG STEEL CORPORATION. For Forged and Seamless Steel Products. HARRISBURG STEEL CORPORATION, Harrisburg, Pa. Published September 2, 1937.

16,569.—*Title:* STARMAN SYPHONS. For Syphons for Carbonated Beverages. STARMAN SYPHON MFG. CO., INC., Brooklyn, N. Y. Published September 2, 1937.

16,570.—*Title:* FAEMADE UNDERGARMENTS. For Undergarments. ROBERT A. WENTZEL, Palmyra, Pa. Published October 27, 1935.

REISSUES

NOVEMBER 9, 1937

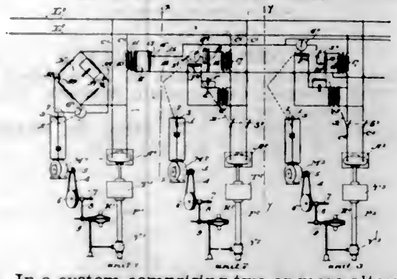
20,548

APPARATUS FOR CONTROLLING LOAD DISTRIBUTION

Edgar D. Doyle, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Original No. 1,918,021, dated July 11, 1933, Serial No. 393,650, September 19, 1929. Application for reissue July 9, 1935, Serial No. 30,567

38 Claims. (Cl. 171—119)



1. In a system comprising two or more alternators, a totalizing circuit including impedance traversed by current of magnitude representative of total output of said alternators, impedances traversed by currents of magnitude determined by the loads upon the respective alternators, and means individually to control said alternators comprising a frequency-responsive bridge in whose galvanometer arm there is included one of said individual load impedances and a selected part of said impedance of said totalizing circuit.

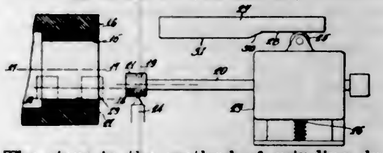
20,549

TWO SLIDE AUTOMATIC GRINDING MACHINE

Clifford T. Raule, Vista, Calif., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts

Original No. 1,997,978, dated April 16, 1935, Serial No. 140,034, October 7, 1926. Application for reissue April 6, 1937, Serial No. 135,351

11 Claims. (Cl. 51—50)



1. The steps in the method of grinding duplicate internal surfaces of revolution in successive workpieces, using a grinding wheel and a truing diamond, which consist in rotating each workpiece, in setting the diamond in front of the workpiece with its point inwardly of the longitudinal line of intended initial cut, in moving the rotating wheel longitudinally forward across the diamond and to some distance within the work while maintaining the wheel out of contact with the work, in relatively onsetting the wheel and work and in longitudinally reciprocating the rotating wheel, bringing its grinding face into the line of finished grinding.

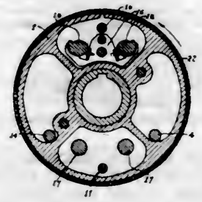
20,550

SANDING DRUM

Avery W. Walker, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Original No. 1,992,105, dated February 19, 1935, Serial No. 701,489, December 8, 1933. Application for reissue August 25, 1936, Serial No. 97,732

14 Claims. (Cl. 51—194)



14. A polishing wheel having a drum face, a cushion secured on the drum face, an abrasive band surrounding said cushion, and means on the wheel for imposing a tension on the abrasive band and for automatically statically balancing the wheel for varying amounts of tension.

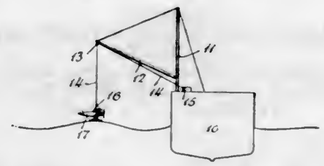
20,551

MOORING AND HOISTING APPARATUS

Warren E. Rouse, Pleasant Ridge, Mich., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Original No. 1,902,972, dated March 28, 1933, Serial No. 608,181, April 29, 1932. Application for reissue March 17, 1936, Serial No. 69,391

25 Claims. (Cl. 9—22)



1. In a device of the kind described including a rotatable drum, and a cable attached to an object floating in water subject to rise and fall sure lower than that required to hoist the floating object from the water for by-passing said through wave action and leading to said drum; that improvement which comprises pressure fluid actuated means for operating said drum, said means including a valve for relieving abnormal pressures and means responsive to a fluid prespressure fluid to automatically regulate and control the volume operatively effective upon said motor in predetermined accordance with the rise and fall of said floating object whereby said drum is operated to automatically maintain said cable against slack in harmony with the rising and falling movements of said object.

PATENTS

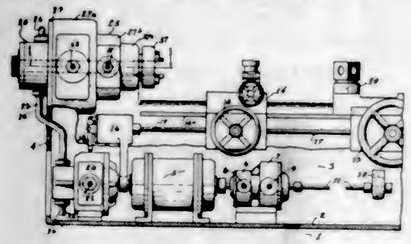
GRANTED NOVEMBER 9, 1937

2,098,213

HYDRAULIC MOTOR FOR ROTARY SPINDLE MACHINES

Elek K. Benedek, Bucyrus, Ohio

Application June 7, 1935, Serial No. 25,449
32 Claims. (Cl. 29—42)



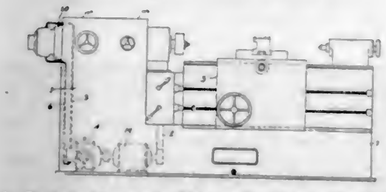
1. In a rotary spindle machine, a support, a rotary, radial plunger, hydraulic motor carried by said support, said motor comprising a rotatable barrel, radial cylinders therein, plungers reciprocable in the cylinders respectively and reactance means for the plungers, fluid ducts in said barrel connected with said cylinders respectively, each duct being continuously in communication with its associated cylinder, said barrel having valve ports connected with ducts respectively, valve means in valving cooperation with said ports, said barrel having an axial bore coaxial with the axis of rotation of the barrel and extending entirely therethrough from end to end, and being open at the ends for accommodating the work piece to be operated by the machine, a spindle having a work piece accommodating passage open at both ends and coaxial with the barrel passage, means drivingly connecting the barrel and spindle, and means for supplying pressure fluid to said motor for driving the same.

2,098,214

HYDRAULIC MOTOR FOR ROTARY SPINDLE MACHINES

Elek K. Benedek, Bucyrus, Ohio

Application June 16, 1936, Serial No. 85,550
14 Claims. (Cl. 82—2)



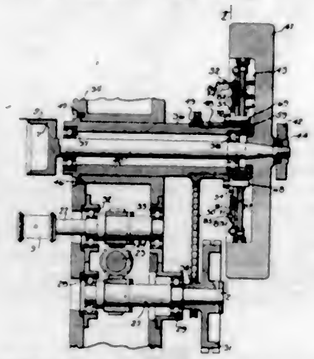
1. In a rotary spindle machine, a casing, a rotary radial plunger, hydraulic motor carried in the casing, said motor comprising a rotatable barrel, radial cylinders therein, plungers reciprocable in the cylinders respectively, reactance means for the plungers, fluid ducts in said barrel connected with said cylinders respectively, each duct being continuously in communication with its associated cylinder, anti-friction radial and axial thrust bearings mounted in the casing and supporting the barrel at both ends for rotation therein, an end portion of the barrel extending endwise beyond the associated bearings and having valve ports respective to said ducts, a valve head surrounding said barrel portion and having ports in valving cooperation with said valve ports, means detachably securing said valve head to the casing, and anti-friction bearings carried by said head and in cooperation with said barrel for constraining the head and barrel to coaxial relation.

2,098,215

FILM DRIVING APPARATUS

William A. Black, Montclair, N. J., assignor to United Research Corporation, Burbank, Calif., a corporation of Delaware

Application July 14, 1936, Serial No. 90,559
8 Claims. (Cl. 271—2.3)



1. A system for the continuous and uniform advancement of a film past a translation point comprising a film roller, a shaft having said roller mounted on one end thereof, a flywheel mounted on the other end of said shaft, a quill within which said shaft is rotatable, a bearing exterior of said quill and at one end thereof, a hollow rotatable shaft adapted to rotate on said bearing, means for driving said hollow shaft, and means for interconnecting said shaft with said flywheel during acceleration of said flywheel and for instantly disconnecting said shaft from said flywheel when said flywheel has reached uniform speed, said flywheel being driven thereafter by said film at the speed of said flywheel when released.

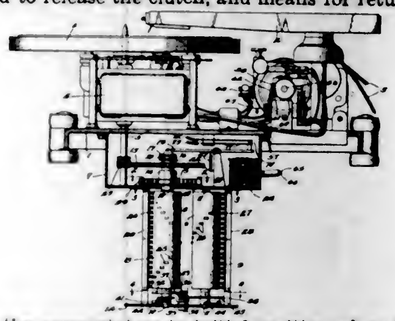
2,098,216

ROBOT PHONOGRAPH

Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan

Application March 9, 1936, Serial No. 67,863
13 Claims. (Cl. 274—1)

12. In a multiple contactor for a robot phonograph having a turntable for playing a record, a pick-up arm and a motor for moving it to and from record engaging position, a plurality of commutators driven by the turntable, each having a series of contacts, intermittent gearing connecting the commutators, a clutch for connecting the commutators to the turntable, and a relay actuated when the pick-up arm motor is actuated to release the clutch, and means for returning the commutators to initial position when the relay is actuated.

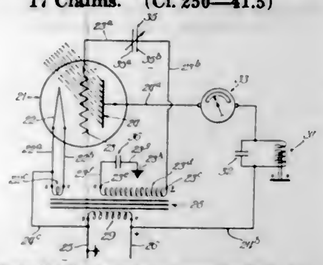


2,098,217

ELECTRONIC APPARATUS

Fred B. Aubert and Jerome Rossetti, Chicago, Ill., assignors, by direct and mesne assignments, to Super Sensitive Controls Corp., a corporation of Illinois

Application August 22, 1935, Serial No. 37,396
17 Claims. (Cl. 250—41.5)



14. A translating system comprising, in combination, an electric valve having an anode, a cathode and a control electrode; means for applying an alternating potential between said anode and cathode, means for biasing said control electrode to a potential negative with respect to said cathode, means for increasing the negative potential of said control electrode as a function of light intensity, and means connected to be responsive to the change in current flow through said valve in response to change in said light intensity.

2,098,218

BOBBIN AND METHOD OF PRODUCING THE SAME

Dickerson G. Baker, Holyoke, Mass., assignor to The American Thread Company, New York, N. Y., a corporation of New Jersey

Application December 16, 1931, Serial No. 581,324
Renewed April 28, 1937
3 Claims. (Cl. 112—251)



1. In a filled bobbin having a tubular core having thread cross-wound thereon in a mass, and disks of resilient material on the ends of said core, the improvement which comprises said core being provided at each end with a series of outwardly struck projections indented into the inner edge of the inner periphery of the associated disk, and the ends of the core being swaged so as to secure the disks against the ends of the thread mass.

2,098,219

METHOD OF MAKING WOUND BOBBINS

Dickerson G. Baker, Holyoke, Mass., assignor to The American Thread Company, New York, N. Y., a corporation of New Jersey

Application April 13, 1935, Serial No. 16,148
1 Claim. (Cl. 112—251)



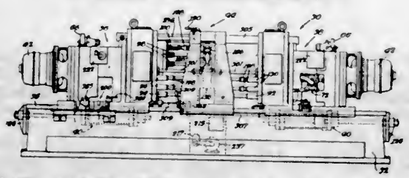
The method of making bobbins of the type described which comprises cross winding thread on a core having shoulders spaced equal distances from the ends of the core, the thread being wound substantially flush with the shoulders on the core, thereafter applying disks on the ends of the core, subjecting the disks, mass of thread and core to pressure axially applied, and swaging over the ends of the core so as to cause said ends to hold the disks against said shoulders and against the thread mass.

2,098,220

MATERIAL WORKING APPARATUS

John S. Barnes, Paul R. Guirl, and George C. Johnson, Rockford, Ill., assignors to W. F. & John Barnes Company, Rockford, Ill., a corporation of Illinois

Application August 12, 1932, Serial No. 628,580
Renewed December 5, 1936
48 Claims. (Cl. 29—38)



1. In metal working apparatus, a support for a plurality of work-pieces, spindle carrying means positioned on opposite sides of said work support, a plurality of spindles in said spindle carrying means adapted to carry tools for performing a succession of cutting operations upon each work-piece from opposite sides thereof, power means for effecting relative movement between the support carrying the spindles and the work-piece, whereby to cause the tools carried by said spindles to act upon the work from opposite sides thereof, control means for adjustably varying the speed of the power means during and in preselected timed relation with respect to the complete automatic cycle of operation of the spindle carrier, and means for indexing the work support after each machining operation, whereby to enable a succession of machining operations to be performed on each work-piece until completed.

2,098,221

CEMENT OR BINDER MATERIAL

Philip S. Barnhart, Westfield, Mass., assignor to Westfield River Paper Company, Russell, Mass., a corporation of Massachusetts

No Drawing. Application January 15, 1936, Serial No. 59,308
4 Claims. (Cl. 134—17)

1. A cement or binder composed of a mixture of paraffin wax having a melting point of approximately 155° F., rosin, rubber and petrolatum having a melting point of approximately 125° F., said ingredients being thoroughly intermixed and combined in the following proportions, namely, wax 40–63%, rosin 20–45%, rubber 3–12% and petrolatum 7–13%.

2,098,222

METHOD OF MAKING CEMENT OR BONDING MATERIAL

Philip S. Barnhart, Westfield, Mass., assignor to Westfield River Paper Company, Russell, Mass., a corporation of Massachusetts

No Drawing. Application January 15, 1936, Serial No. 59,309
4 Claims. (Cl. 134—17)

1. A method of compounding a cement or bonding material having as ingredients wax, rosin, rubber and petrolatum which consists of softening the rubber by a pressing and kneading action, adding petrolatum to the rubber and heating and thoroughly intermixing the rubber and petrolatum mixture and then adding the mixture to melted paraffin wax and petrolatum and adding rosin to said mixture.

2,098,223

LAMINATED SHEET OF PAPER OR LIKE MATERIAL

Philip S. Barnhart, Westfield, Mass., assignor to Westfield River Paper Company, Russell, Mass., a corporation of Massachusetts

Application January 15, 1936, Serial No. 59,310
4 Claims. (Cl. 154—50)



1. A laminated paper sheet comprising a pair of sheets of glassine paper united by a binder composed of a mixture of paraffin wax having a melting point of approximately 155° F., rosin, rubber and petrolatum having a melting point of approximately 125° F., said ingredients being combined in the following approximate proportions, namely, wax 40–63%, rosin 20–45%, rubber 3–12% and petroleum 7–13%.

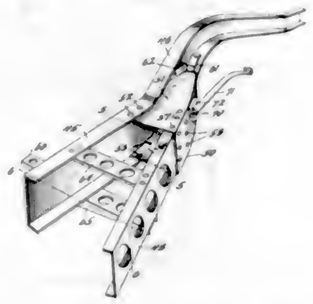
2,098,224

MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 30, 1934, Serial No. 733,317
9 Claims. (Cl. 280—106)

1. In a motor vehicle frame, the combination with side frame members of channel section having the flanges thereof directed inwardly, of an X frame structure connecting said side frame members, said X frame structure including forwardly extended members forming an acute angle with said side frame members, and generally U-shaped members having the legs thereof secured to the respective flanges of said side frame members and having the bases thereof engaging



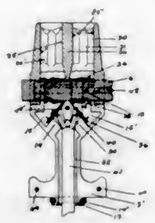
and secured to the members of said X frame structure.

2,098,225

SWITCH PLUG CONNECTER

Pearley B. Boone, San Francisco, Calif.

Application May 15, 1934, Serial No. 725,714
12 Claims. (Cl. 200—51)



1. An electrical plug connecter comprising a body formed of two separate plug members each provided with a pair of spaced contact terminals therein, a switch device movably mounted within the connecter arranged and adapted to connect and to disconnect the pairs of terminals upon movement thereof, said plug members and switch device being formed and adapted to coact for retaining the plug members connected together.

2,098,226

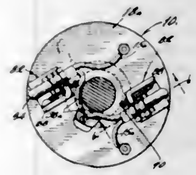
ENGINE STARTING APPARATUS

James A. Charter, Chicago, Ill., assignor to Charter Automatic Starter Inc., Chicago, Ill., a corporation of Illinois

Application June 27, 1932, Serial No. 619,565
2 Claims. (Cl. 290—80)

1. In starting mechanism for internal combustion engines and the like, a drive shaft, a supporting plate mounted on said shaft in a plane at right angles to the axis of said shaft, a plurality of tubes each adapted to contain a body of mercury, a body of mercury in each tube, mountings for said tubes allowing rotation thereof about a horizontal axis, said tubes being secured by said mountings about said shaft on said plate in outwardly and upwardly slanted positions in planes parallel to the axis of said shaft and coincident with tangents to a circle

concentric with said shaft but smaller than said plate, screw adjusting means carried by said mountings for varying the upward slant of said tubes, and a pair of contacts in the inner and lower end of each tube and adapted to be connected by the body of mercury therein, said bod-



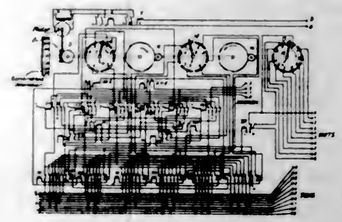
ies of mercury connecting said contacts when said plate is stationary or rotating at less than a selected speed, and leaving said contacts to remove the connection therebetween upon a sudden acceleration of the rotation of said plate or upon said plate rotating at more than said selected speed.

2,098,227

TELEGRAPHY SYSTEM WITH POSITION INDICATORS

Louis Lucien Eugene Chauveau, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France

Application February 20, 1934, Serial No. 712,130
In France February 20, 1933
1 Claim. (Cl. 177—311)



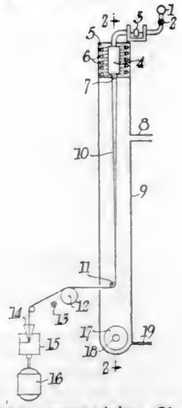
Apparatus for controlling a movable member remotely located from a control and indicating station having indicating means to indicate the position of said movable member, comprising a reversibly controlled motor for driving said movable member to be controlled through different degrees of rotation, means coupled to said motor for driving a distributor mechanism through ratio gearing means to make and break contacts proportional to hundreds, tens and units degrees of rotation of said controlled member, said contacts being made to select and energize corresponding conductors leading to said control and indicating station, where said energized conductors control corresponding relays to establish potential drops across corresponding resistors and excite separate indicators in proportion to the hundreds, tens and units degrees of rotation of said controlled member, and means for simultaneous readings of the separate indicators to give an indication in degrees of the then obtained angular position of the controlled member.

2,098,228

ARTIFICIAL SILK

Hans T. Clarke, New York, and Carl J. Malm, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Original application March 4, 1931, Serial No. 520,149. Divided and this application June 22, 1934, Serial No. 731,916
6 Claims. (Cl. 28—1)



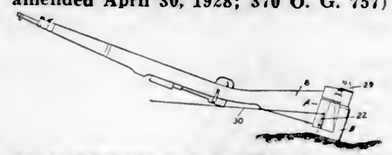
1. Synthetic yarn comprising filaments of cellulose acetate-butyrate containing acetyl groups and having a butyryl content of at least 10%.

2,098,229

DISCHARGER FOR PROJECTILES

Richard C. Coupland, United States Army, Norfolk, Va.

Application August 14, 1935, Serial No. 36,137
7 Claims. (Cl. 42—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a discharger, a receiver comprising a body having spaced rails, hollow stud bolts in the top of the body, a cap plate on the bolts, nuts on the bolts, said body and cap plate having in one side complemental elements of a socket, a groove in the opposite side of the body between the rails, a barrel holder between the rails of the body and having a tongue slidable in the groove of the body, a foot on the holder extending under the body, a barrel carried by the holder, rods fixed in the foot and extending through the body and hollow stud bolts, a spring on each rod confined between the body and the front end of the rod, and a firing mechanism in the holder.

2,098,230

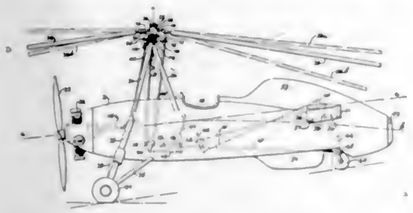
AIRCRAFT WITH FREELY ROTATIVE WINGS

Juan de la Cierva, Madrid, Spain, assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware

Application March 6, 1934, Serial No. 714,242. Renewed October 23, 1936. In Great Britain March 13, 1933
26 Claims. (Cl. 244—19)

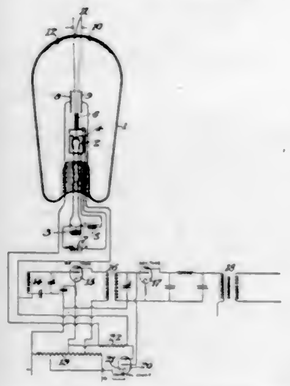
1. In an aircraft having a powered means of forward propulsion and a normally air-driven

autorotative-winged rotor as the primary means of sustension, controlling mechanism operatively connected with the rotor to vary the position of the lift line thereof relative to the aircraft for purposes of lateral control, and normally fixed surfacing positioned within the slipstream of said propulsion means at an aerodynamic incidence relative thereto to effect an automatic couple opposite to the reaction torque of the



propulsion means, the positioning and effective area of said surfacing within the slipstream being such as to render said couple of a magnitude approximating the magnitude of the reaction torque, whereby the burden of correcting for such torque is substantially removed from the rotor controlling mechanism, together with means automatically acting to substantially eliminate yawing of the craft throughout the range of slipstream conditions.

2,098,231
CATHODE RAY DEVICE
Allen B. Du Mont, Upper Montclair, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Upper Montclair, N. J., a corporation of Delaware
Application May 28, 1932, Serial No. 614,064
6 Claims. (Cl. 250—40)

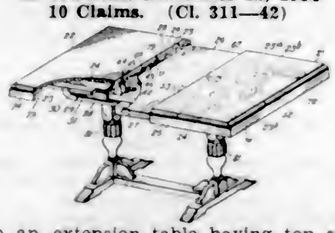


1. A cathode ray tube comprising a bulb, different substances mounted upon a side of the bulb making an acute angle with the rays and differently affected by said cathode rays for making the said rays differentially manifest to human sense, and means for deflecting said rays to transfer their effect from one of said substances to another, said substances respectively occupying segregated areas which appear to the eye as separate and distinct.

2,098,232
COATING COAL
Harvey R. Fife, Pittsburgh, Pa.
No Drawing. Application March 2, 1934, Serial No. 713,694. Renewed December 19, 1936
9 Claims. (Cl. 44—6)

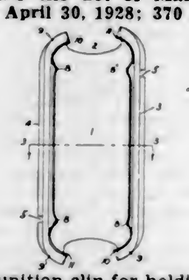
2. A coating composition for protectively coating solid lump fuel of the type subject to degradation by oxidation and to objectionable dusting comprising a paraffin substance having the approximate composition of a blend of paraffin wax and a petrolatum, said coating composition being substantially non-volatile at temperatures below 500° F., and said coating composition as existing in an applied film on the lump fuel being noncrystalline and tough at low temperatures and having lubricating qualities.

2,098,233
EXTENSION TABLE
Norman Stanley Giles, Glen Iris, Australia
Application November 9, 1935, Serial No. 48,959
In Australia November 12, 1934
10 Claims. (Cl. 311—42)



1. In an extension table having top sections arranged to be moved horizontally toward and from each other, a vertically movable leaf arranged to be housed below the said sections and to be raised to align therewith, means to raise the leaf when the sections are moved apart, means arranged to hold the leaf in raised position, and means on the leaf adapted to engage said holding means and arranged so that when the lifted leaf is moved horizontally, it is supported independently of the lifting means.

2,098,234
CARTRIDGE CLIP FOR FIREARMS
John C. Garand, Springfield, Mass., assignor to the Government of the United States of America, as represented by the Secretary of War
Application May 22, 1929, Serial No. 365,205
4 Claims. (Cl. 42—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



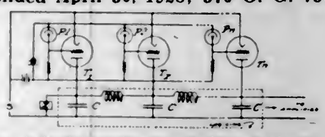
1. An ammunition clip for holding two rows of cartridges in staggered relation and adapted to be inserted into the magazine of a firearm embodying a back plate, side plates extending from the back plate, inwardly curved ends on the side plates, and projections on the side plates adjacent to the ends extending into the rectilinear paths of travel of the cartridges as they are elevated through the clip.

2,098,235
CUSHION SHOE
Francis M. Gilkerson, St. Louis, Mo., assignor of one-half to Paul H. Gilkerson, St. Louis, Mo.
Application March 30, 1935, Serial No. 13,803
2 Claims. (Cl. 36—17)



1. In a cushion shoe, the combination of a shape-determining inner sole, an upper, an outer sole, a welt, a resilient cushion member coextensive with and cemented to the bottom side of the insole at the forepart of the shoe and cemented to the outsole at the forepart over a sufficient area so as to cause the sole members to act as a unit, the upper having a lasted over edge at the forepart overlapping the outer edge portion of said cushion member, means passing through and securing together said inner sole, outer edge portion of said cushion member, lasted over edge of said upper and the welt, and means securing said outer sole to said welt at the forepart of the shoe.

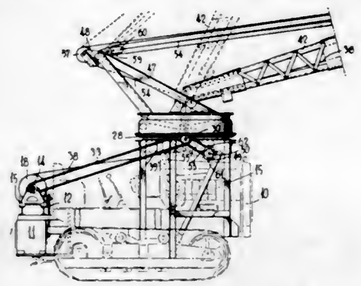
2,098,236
TELEVISION TRANSMISSION SYSTEM
Marcel J. E. Golay, Oceanport, N. J.
Application June 6, 1933, Serial No. 674,558
7 Claims. (Cl. 178—7.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a television transmission system, which employs an image plane divided into lines; means for translating light energy into electrical energy, comprising light sensitive cells arranged in a column and corresponding in number of units to the number of said lines; means for projecting upon the cells the image of an object to be transmitted and for shifting the image across said column of cells; circuit means operatively coupled to the output of said cells, comprising a general circuit and a series of local circuits; and means to effect a commutation of the signal impulses comprising lag line sections operative with each local circuit whereby a signal impulse will cause a charge to be placed upon the lag line sections which is a direct function of the illumination of their respective cells at any instant, all of said lag line sections being serially connected to form a single lag line which is characterized by a time delay which determines the time consumed in scanning one column of points of said image plane.

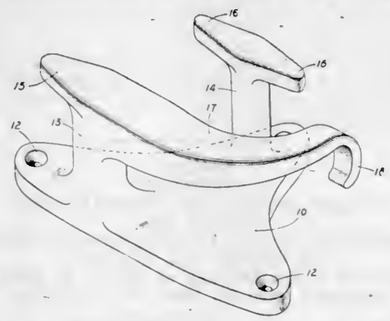
2,098,237
FULL CIRCLE BOOM CRANE
James Hailey, Tulsa, Okla.
Application August 17, 1936, Serial No. 96,511
7 Claims. (Cl. 212—68)

1. A full circle boom crane comprising a race having a hollow king pin, a turn table mounted on the race and rotatable about the axis of said pin, a boom hingedly mounted on the central portion of the table for movement about an axis arranged perpendicular to the axis of the king pin, a back brace mounted on the table and extending upwardly and outwardly away from the periphery of the table, sheaves carried by the upper end portion of the back brace and by the outer end portion of the boom, a sheave connected to the race and arranged below the king pin, another sheave mounted on the turn table at one side of



the king pin, a boom line guided by said sheaves and having one of its ends operatively connected to the back brace, means for winding and unwinding the boom line, hook line sheaves supported by the boom, another hook line sheave mounted on the turn table at the opposite side of the king pin, another hook line sheave carried by the race and arranged below the king pin, a hook line guided by the hook line sheaves and extending through the king pin, and means for winding and unwinding the hook line.

2,098,238
BITT-CHOCK
Charles G. Halpine, United States Navy
Application April 22, 1937, Serial No. 138,410
5 Claims. (Cl. 114—101)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

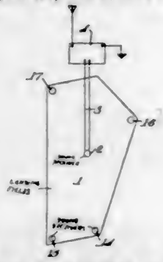


1. A chock comprising a post; and a second post arranged in spaced relation to said first mentioned post, said first mentioned post being provided with an arm projecting laterally to a point offset with respect to said second post and thence longitudinally to a point in substantially lateral alignment with and in spaced relation to said second post for preventing a line disposed between said posts from becoming displaced therefrom by strains exerted along said line.

2,098,239
SYNTHESIS OF CYCLOPROPANE
Henry B. Hass and George E. Hinds, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application March 26, 1934, Serial No. 717,429
15 Claims. (Cl. 260—167)

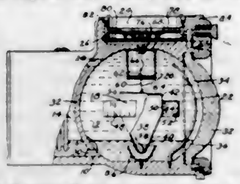
1. The process of producing cyclopropane, which consists in causing trimethylene chloride to react with a metal of the class consisting of zinc, magnesium, and sodium, in the substantial absence of any compound containing hydrogen displaceable by the metal used under the conditions employed in the reaction, and under boiling-point-raising conditions and at a temperature above the normal boiling point of trimethylene chloride; to obtain a chloride of the metal, and cyclopropane.

2,098,240
NAVIGATION OF AIRCRAFT
Harvey C. Hayes, Washington, D. C.
Original application March 11, 1931, Serial No. 521,686. Divided and this application January 22, 1935, Serial No. 2,970
5 Claims. (Cl. 177—352)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a plurality of sound pick-up devices located at definite points on or about a landing field, each of said pick-up devices being tuned so as to respond to a definite and different frequency component of the sound generated by an aircraft, a radio transmitter for broadcasting the pick-up of said pick-up devices, and radio receiving means on said aircraft for receiving from said radio transmitter the sounds picked up by said pick-up devices so that the pilot may determine the position of his craft with respect to said landing field.

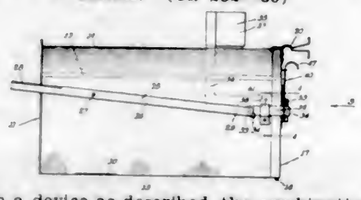
2,098,241
COMPASS
Albert F. Hegenberger and Max Isaacson, Dayton, Ohio
Application February 14, 1933, Serial No. 656,708
33 Claims. (Cl. 33—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A liquid damped magnetic compass comprising, two suitable immiscible mediums of different densities and a magnetically controlled card having a mean density greater than that of the lighter medium but sufficiently less than that of the heavier medium so that a major portion of the card, including the portion bearing the cardinal points, is buoyantly supported in the lighter liquid medium, and having a form such that the portion of the card that lies in the common surface of said mediums is sufficiently small in cross-sectional area as to effect a negligible surface tension drag.

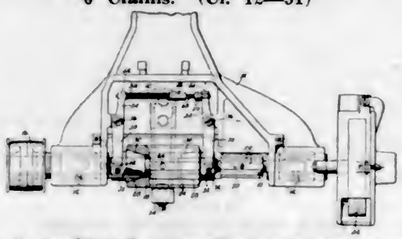
31. In a compass, the combination with a liquid damped magnetic sensitive element, of a buoyant member for operably supporting such element, said member being provided with a thermo-expansible medium whereby a buoyant effect is produced that is substantially constant at different temperatures.

2,098,242
RURAL MAIL BOX
Charles I. Holmes, Chino, Calif., assignor of one-fourth to Roy Sebring, and one-fourth to Ernest W. Soper, both of Chino, Calif.
Application May 15, 1935, Serial No. 21,517
7 Claims. (Cl. 232—35)



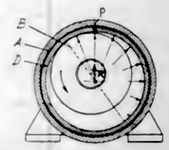
1. In a device as described, the combination of a mail box having a hinged door at one end, an owner's signal having a straight arm pivoted to one side of the box, a pivotally mounted catch on the side of the box having a hook to engage one end of the said arm and hold the arm in non-signalling position, a latch bolt slidably mounted on the door, and a spring normally retaining said bolt in inoperative position, the bolt having a finger to engage the catch on manually operated movement of the bolt to actuate the catch to release the said arm, the arm being weighted to swing by gravity into a vertical signalling position.

2,098,243
SHOE BEATING MACHINE
Charles E. Hood, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 4, 1936, Serial No. 77,702
In Great Britain March 6, 1936
6 Claims. (Cl. 12—51)



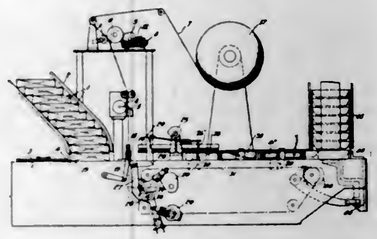
1. A machine for operating upon shoes comprising a shaft, a smoothing roll secured to the shaft and having a recess in one end thereof, and means for heating the roll comprising an annular member movable longitudinally of the shaft, and means for forcing the member into frictional engagement with the wall of the recess.

2,098,244
ROTATING MACHINE
Georg Hopfensberger, Heidenheim-on-the-Brenz, Germany
Application February 6, 1936, Serial No. 62,653
In Germany February 7, 1935
5 Claims. (Cl. 230—79)



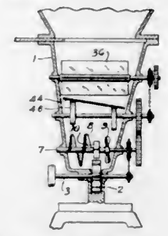
1. In a rotating machine, a rotating cylindrical drum mounted on bearings, a multiple-cell runner mounted eccentrically with respect to said drum and rotating within said drum, an auxiliary fluid between said drum and said runner and means for sealing the cells of said runner, the axis of rotation of said runner being above that of said drum and being so disposed that the resultant of the sealing, centrifugal action, and working forces substantially completely counteracts the action of gravity.

2,098,245
WRAPPING MACHINE
Thomas Grayland Jackson, Deptford, London, England, assignor to Molins Machine Company, Limited, London, England
Application September 27, 1935, Serial No. 42,521
In Great Britain October 19, 1934
12 Claims. (Cl. 93—2)



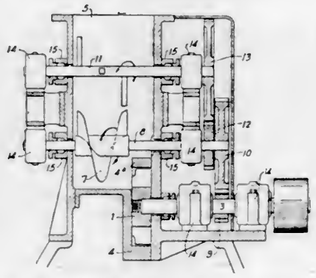
9. In a wrapper machine, the combination with means to position a wrapper blank transversely of the path of an article, of a plunger to move an article into engagement with a wrapper blank and to move the article and wrapper blank to mechanism to partly fold the wrapper blank about the article, folding devices to complete the folding of the wrapper blank about the article, and a pusher piece carried by an endless conveyor to engage the partly wrapped article and to move it to said folding devices, said mechanism for partly folding the wrapper blank about the article including means to fold the wrapper blank into a U about one face of the article, one limb of the U being longer than the other limb, means to fold the end portion of the longer limb so that it is overlapped by the shorter limb, said shorter limb being folded into engagement with the article before the end portion of the longer limb, and means to lift the end portion of the shorter limb clear of the article whilst the end portion of the longer limb is being folded into position to be overlapped by the longer limb.

2,098,246
AUTOMATIC BAG-FILLING AND WEIGHING MACHINE
René Jarrier, Saint Quentin, France, assignor to Bartlett Arkell, New York, N. Y.
Application March 24, 1932, Serial No. 600,884. Renewed January 25, 1936. In France April 4, 1931
10 Claims. (Cl. 198—128)



1. In a bag filling machine of the class described, the combination of a hopper having a discharge throat near its lower end and a pocket leading into said throat, a propeller having a substantially horizontal axis and blades projecting generally radially for propelling the material through the discharge throat, the wall of said pocket covering portions of the sides of said propeller adjacent said throat, and means for forcing the material sidewise toward the uncovered portions of the sides of the propeller and between the blades.

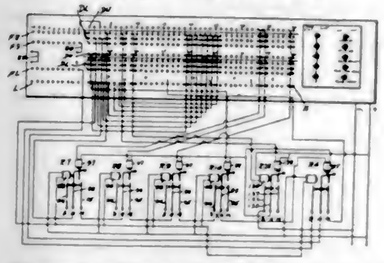
2,098,247
AUTOMATIC BAG-FILLING AND WEIGHING MACHINE
René Jarrier, Saint-Quentin, France, assignor to Bartlett Arkell, New York, N. Y.
Application March 24, 1932, Serial No. 600,885. Renewed February 17, 1937. In France January 19, 1932
5 Claims. (Cl. 198—128)



1. In a bag filling machine of the class described, the combination of a hopper having a discharge throat near its lower end and an upwardly opening pocket leading into said discharge throat, a propeller mounted in said pocket having its axis arranged substantially horizontal and its sides arranged in proximity to the sides of the pocket, the upper portion of said propeller projecting above the upper end of said pocket, a cover extending over the upper portion of the periphery of said propeller, and

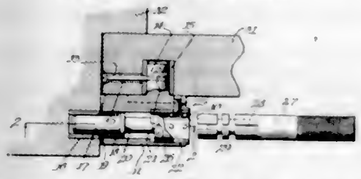
means for forcing material sidewise between the portions of the blades projecting above said pocket.

2,098,248
MASTER CONTROL UNIT
Lincoln M. Keefe, Springfield, Mass.
Application July 31, 1931, Serial No. 554,191
51 Claims. (Cl. 235—61.7)



1. In combination with a tabulating machine having a sensing means, an accumulator and machine control means, an electrical relay detachably included in a circuit with the sensing means and the machine control means, and a second relay detachably connected to said sensing means and to said first relay for disabling said circuit and for including said first relay in a circuit with the sensing means and the accumulator.

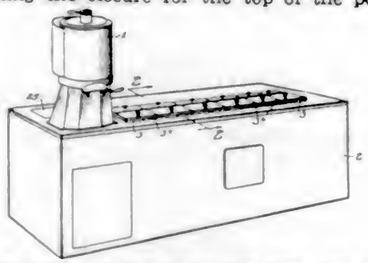
2,098,249
UNIVERSAL BOLT LOCK
Herman H. Kistner, Baltimore, Md., assignor to Kistner Lock and Appliance Company, Baltimore Md., a corporation of Maryland
Application September 18, 1935, Serial No. 41,116
10 Claims. (Cl. 70—141)



1. A rim lock comprising a body having a cylindrical stud projecting from its base and adapted to fit in a corresponding hole in the door style, and a sliding bolt projectable from the body at one side in a direction at right angles to the axis of said stud to engage in a corresponding shaped socket in the door frame, said stud and bolt being of substantially equivalent bending and shearing strength, whereby said body is fixedly secured to the door and frame by its stud and said bolt when the bolt is in projected position.

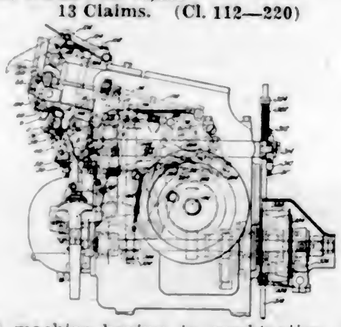
2,098,250
DEVICE FOR HANDLING FROZEN MATERIAL
James S. Knight, Chicago, Ill.
Application February 6, 1933, Serial No. 655,384
8 Claims. (Cl. 62—114)

1. A device for handling frozen material comprising a hardening cabinet provided with a space for the containers containing the material, a cooling device extending around said space, a portion of such cooling device projecting over a part of the top of said space and an insulating piece forming the closure for the top of the portion



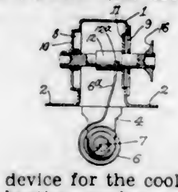
of the cooling device projecting over the top of said space.

2,098,251
SHOE SEWING MACHINE
Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 12, 1935, Serial No. 10,621. Divided and this application May 12, 1936, Serial No. 79,281
13 Claims. (Cl. 112—220)



1. A machine having, in combination, devices cooperating to perform an operation, a cam shaft, driving means therefor, separate trains of mechanism for actuating said devices from the cam shaft comprising elements movable to disconnect the actuated devices from the shaft, means for disconnecting the cam shaft from its driving means, means comprising a control member for moving said elements, and means for actuating said control member to disconnect the actuated devices from the shaft while permitting continued rotation of the shaft to final stopping position.

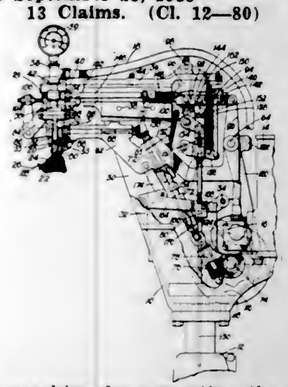
2,098,252
THERMOSTAT CONTROLLED VALVE
James K. Lund, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,176
9 Claims. (Cl. 236—34)



5. A valve device for the cooling system of an internal combustion engine, comprising a casing having an admission opening and a discharge

opening, a substantially balanced controlling device for said discharge opening, and a bi-metal thermostat for moving said controlling device, whereby the thermostat is rendered independent of the pressure of the liquid in the system.

2,098,253
CHANNEL CEMENTING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application October 1, 1935, Serial No. 43,064. Divided and this application November 18, 1936, Serial No. 111,453. In Great Britain September 25, 1935
13 Claims. (Cl. 12—80)



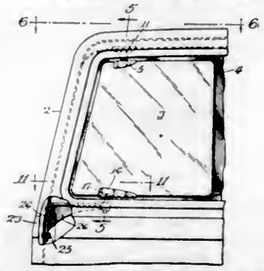
1. In a machine for cementing the channels of the soles of lasted shoes, a tapered nozzle adapted to be inserted in the channel of a shoe sole, a driven feed wheel on one side of the nozzle coacting with the upper of a lasted shoe presented thereto to carry the shoe edge past the nozzle, and means located on the other side of the nozzle for holding the flap against the nozzle.

2,098,254
METHOD AND MATERIAL FOR RETARDING OXIDATION AND RANCIDITY IN FOOD SUBSTANCES
Henry A. Mattill and Harold S. Olcott, Iowa City, Iowa, assignors to Lever Brothers Company, a corporation of Maine
No Drawing. Application August 28, 1936, Serial No. 98,342
13 Claims. (Cl. 99—150)

1. The process of obtaining an antioxidant concentrate having at least one hydroxyl group from a lipid and antioxidant containing vegetable substance which comprises extracting the fatty constituents of said substance, separating the antioxidant and lipid containing portion of said fatty constituents, and subjecting said portion to a fractionation treatment to separate said antioxidant from the pigments and sterols contained in said portion.

13. The method of retarding oxidation and rancidity of food materials which comprises adding thereto approximately 0.02% by weight, of an inhibitol having the probable formula $C_{13}H_{14}O_5$, containing at least one phenolic hydroxyl group, and distilling within the range 165–185° C. at 0.1 mm. pressure, and which is soluble in ether, acetone, methyl alcohol and chloroform, substantially free from sterols and pigments and is obtainable by subjecting the unsaponifiable portion of the fatty constituents of lettuce to a fractionation treatment to separate such substance from sterols and pigments.

2,098,255
AIR DEFLECTING DEVICE
Willard L. Morrison, Lake Forrest, Ill.
Application November 20, 1933, Serial No. 698,769
8 Claims. (Cl. 296—84)



4. An air deflecting device for automobiles having a window opening, comprising a deflector element, there being a pivot receiving recess in the bottom of said deflector element, a rotatable pivot having its upper end in said pivot receiving recess, said pivot rotatable about its longitudinal axis, and projecting through the reveal, a bracket under the reveal and fastened to a part of the automobile and having a part which extends under said pivot, the pivot being supported thereon.

2,098,256
METHOD OF PREVENTING CONTACT SEIZURE OF METAL PARTS
Arthur L. Parker, Cleveland, Ohio
No Drawing. Application August 15, 1934, Serial No. 740,029
5 Claims. (Cl. 91—70)

1. The method of preventing contact seizure of threaded aluminum and like metal parts, consisting in coating the parts, after they have been threaded and subjected to anodic treatment, locally at the threaded portions thereof with a solution including a volatile solvent and lacquer and a stearate of the group consisting of zinc, aluminum and lead stearates which is insoluble in gasoline and motor oils, vaporizing the solvent, and baking to form on the threaded parts a thin adhering protecting coating of the stearate.

2,098,257
FUNGICIDAL AND INSECTICIDAL COMPOSITIONS
Paul Donald Peterson, Newark, Del., assignor to Freeport Sulphur Company, New York, N. Y., a corporation of Delaware
No Drawing. Application September 19, 1934, Serial No. 744,740
17 Claims. (Cl. 167—21)

1. A fungicidal composition adapted for use in fungicidal sprays, containing a soluble polysulphide, and a manganese compound in catalytic proportions acting as a sulphur-film forming catalyst.

2,098,258
PROCESS OF MAKING ADHESIVELY-SECURED SEAMED STRUCTURES
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application December 13, 1932, Serial No. 647,000
11 Claims. (Cl. 229—62)

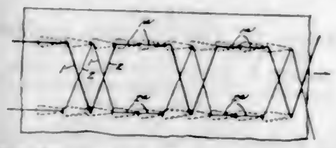
5. In a heavy duty bag or like container having portions at the filling opening thereof adapted

to be lapped and adhesively secured one to another in forming a closure seam, each of said portions being coated with a layer of rubber derived from a rubber dispersion, which layer is adapted to form an autogenous bond with another body of such rubber but is relatively non-adhesive to other substances, said adhesive layers being so positioned with respect to said filling opening as to provide means for completely sealing said



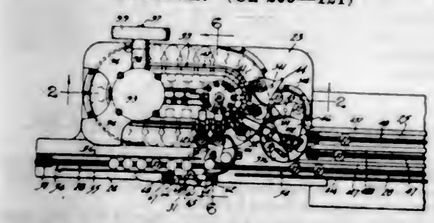
opening, and a protective covering of sheet material disposed over said adhesive coated portions to prevent said portions from being rendered non-adhesive by dust or foreign substances, said material being separable to permit the introduction of contents into said container without removal of said protective covering and being readily removable from said adhesive layers for the purpose of sealing said container.

2,098,259
EMBROIDERED FABRIC
Joseph Schifter, New York, N. Y.
Application January 26, 1933, Serial No. 653,580
3 Claims. (Cl. 112—266)



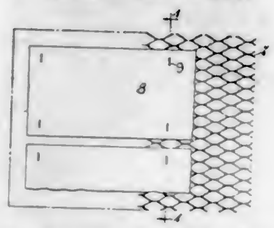
1. An embroidered fabric comprising, in combination, a piece of fabric having embroidered therein composite stitching composed of a pair of threads, said stitching embodying successively interconnected stitches presenting on one face of the fabric stitches disposed in spaced parallel rows and cross-stitches disposed transversely of said spaced parallel rows of longitudinal stitches and intersecting each other intermediate their ends, said stitches being interconnected with each other on the reverse side of the fabric.

2,098,260
FILLED CAN WEIGHING AND SORTING APPARATUS
William Ross Smith, Portland, Oreg., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1933, Serial No. 704,194
19 Claims. (Cl. 209—121)



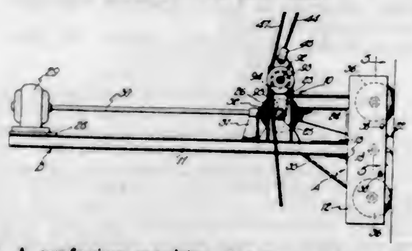
1. In a can weighing machine, the combination of an endless conveyor, scale units carried by said conveyor and adapted to receive and weigh cans, a revoluble turret for receiving said cans after weighing, discharge mechanism carried by said turret for moving the weighed cans successively therefrom, and means actuated by the said scale unit and selectively determined by its weighing position at the time of weighing and in accordance with the weight of the can then in said unit for selectively operating the said discharge mechanism so that the discharge of cans is accompanied by a segregation into groups of the same weight range.

2,098,261
PLASTER BASE
Arthur V. Spinosa, Parkersburg, W. Va., assignor to Penn Metal Company, Parkersburg, W. Va., a corporation of Massachusetts
Application November 22, 1933, Serial No. 699,104
6 Claims. (Cl. 72—116)



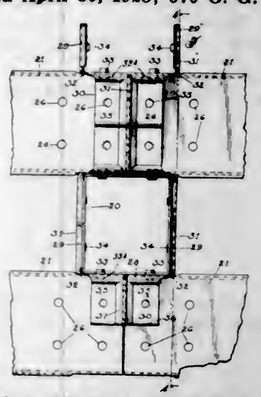
1. A plaster base comprising a sheet of expanded metal lath and a backing therefor secured thereto at spaced intervals and consisting of paper board, said board being of lesser weight per unit area than and possessing an inherent stiffness at least as great as that of said lath and thereby substantially reinforcing the latter, and having an elasticity permitting the board to yield under pressure sufficiently to allow the plaster to cover the lath and key itself thereto.

2,098,262
SURFACING MACHINE
John C. Temple, New York, N. Y.
Application December 13, 1935, Serial No. 54,186
5 Claims. (Cl. 114—222)



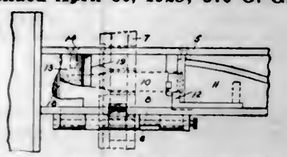
1. A surfacing machine for use upon vertical or inclined surfaces comprising in combination, an arm, a traction work head at one end of said arm, a counterbalance weight at the other end of said arm, a horizontally disposed track adapted to be supported above the surface to be worked upon, a trolley carriage movable over said track, a driven rotatable drum mounted on said arm, and block and tackle means operatively connecting said trolley carriage and said driven rotatable drum for suspending, controlling and guiding the machine with the counterbalance weight over balancing said traction work head, to cause the latter to engage a surface to be worked upon.

2,098,263
CRIBBING SADDLE
Frederick J. Trumpour, Forest Glen, Md.
Application October 8, 1936, Serial No. 105,521
5 Claims. (Cl. 61—47)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



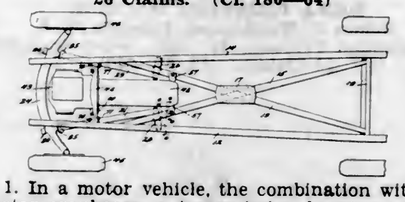
1. A cribbing structure comprising stretcher and header units having rectangular portions in cross section, a plurality of apertures arranged in the faces of said rectangular portions, a saddle having a plate portion adapted to lie in a substantially horizontal position between the rectangular end portions of adjacent stretchers and a rectangular portion of a header, said plate portion having lugs projecting in opposite directions adapted to engage apertures in said stretchers and header to prevent movement of the ends of the stretchers longitudinally of the header and the separation of the ends of said stretchers, pairs of spring locking members extending vertically in opposite directions from said plate portions a distance equal to one-half the vertical cross section of the rectangular portion, having lugs adapted to engage apertures in the rectangular portions of said stretchers and header to prevent relative movement of said parts, flanges arranged at the ends of said spring locking members adapted to come into contact with corresponding flanges on adjoining saddles to relieve the crushing effect on the stretchers and header.

2,098,264
CARTRIDGE STOP FOR MACHINE GUNS
Norman K. Turnbull, Philadelphia, Pa.
Application April 28, 1937, Serial No. 139,490
4 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



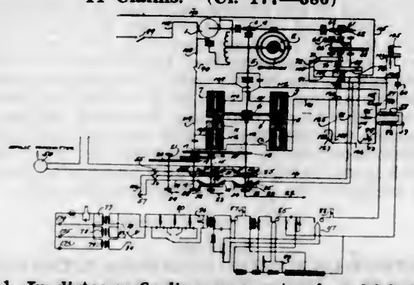
1. In an automatic firearm, a receiver casing having a transverse cartridge feedway, a block in the front end of the feedway and at one side thereof, said block formed with a partially cylindrical groove disposed longitudinally of the gun, the upper portion of the block above the groove extended to provide a lip, and the block being so positioned that the portion of its rear face marginally defining the groove will be engaged by the front face of a cartridge case that is positioned for extraction from the feedway.

2,098,265
MOTOR VEHICLE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1932, Serial No. 600,345
26 Claims. (Cl. 180—64)



1. In a motor vehicle, the combination with a motor crankcase, a transmission housing adjacent said crankcase, a supporting member positioned intermediate said crankcase and housing and secured thereto, a vehicle body frame comprising a pair of longitudinally extending side frame members, cross frame members connecting said side frame members, each cross frame member extending from a point adjacent the forward end of one side frame member to a point adjacent the rearward end of the other side frame member, said side frame members and cross frame members extending forwardly of said supporting member and being secured thereto.

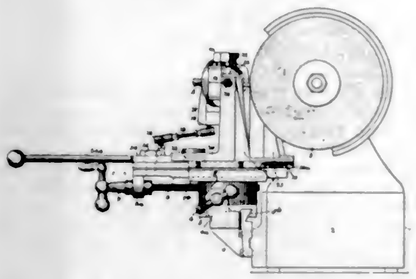
2,098,266
DISTANCE FINDER
William L. Walker, New York, N. Y.
Application December 28, 1929, Serial No. 417,122
11 Claims. (Cl. 177—386)



1. In distance finding, apparatus by which the time elapsing between the occurrence of a primary signal and the receipt of a complementary signal is indicated by a rotatable indicator, the improvements which comprise, sound-receiving devices, a rotatable indicator, rotatable driving means therefor, a separable connection between said driving means and said indicator, said connection comprising an electric clutch which includes an electro-magnetic member continuously rotated by said driving means, a resiliently and swayably supported annular armature carried rotatably in close proximity to said electro-magnetic member and having positive connection with said indicator, a fixed electro-magnetic member or stator mounted opposite and close to said armature, an energizing circuit for said rotary magnetic member that is closed substantially simultaneously with the occurrence of the primary signal to attract said armature for making said driving means operative to cause said

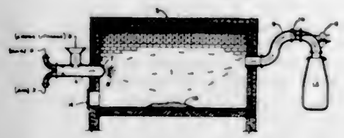
armature and said indicator to move in proportion to the time that elapses after the occurrence of the primary signal, and means actuated by the sound receiver for de-energizing said rotatable electro-magnetic member and for energizing said stator member to stop the motion of said armature and said indicator upon the receipt of said complementary signal.

2,098,267
DRILL GRINDING MACHINE
Robert C. Weishampel, Paterson, N. J.
Application February 18, 1935, Serial No. 6,925
10 Claims. (Cl. 51—219)



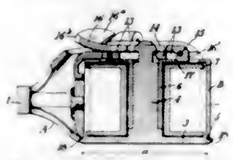
7. A drill grinding machine having a grinder wheel, a supporting table, and a mechanism for presenting the drill to the grinder, of the type comprising in combination a carrier shiftable on the table relatively toward and from the grinder, a cradle carried wholly upon the carrier and pivoted to rock thereon, a chuck adapted to hold the drill and journaled on the cradle to turn on an axis slanting to the grinding face at an angle determined by the cutting-edge-angle of the drill, such cradle and chuck axes being at substantial angles to each other, an operating lever or actuator, a connection operated by the throw of the lever to shift the carrier toward the grinder, and connections operated by the throw of the lever to rock the cradle and turn the chuck in coordination with the shift of the carrier; and such combination being characterized in that the chuck is journaled on the cradle by circular bearing members on each, surrounding the drill.

2,098,268
METHOD OF MAKING SUBLIMED LITHARGE
Bernard S. White, Hammond, Ind., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application September 26, 1934, Serial No. 745,601
2 Claims. (Cl. 23—146)



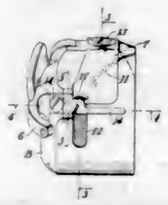
1. The process of making litharge and sublimed litharge, which comprises mixing air, a combustible gas and lead oxide bearing powder before ignition, burning the mixture in a furnace whose lower portion is maintained at or below 1,325° F., collecting litharge on the floor of the furnace, drawing the sublimed litharge through a flue maintained at or above 1,050° F. and separating the sublimed litharge from the flue gases.

2,098,269
SEWING MACHINE SHUTTLE
Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 2, 1937, Serial No. 118,845
2 Claims. (Cl. 112—232)



1. In a sewing machine, the combination with a stationary cup-shaped bobbin-case having at its open end a circular rim and having within it a tubular bearing element coaxial with said rim, of a circularly moving shuttle-body having an arbor on which said bearing element is freely journaled and a rear wall which carries said arbor and is formed in its inner face with a completely circular groove of substantially the same diameter as the rim of the thread-case and in juxtaposition with said rim.

2,098,270
BOBBIN-THREAD CASE FOR SEWING MACHINES
Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 2, 1937, Serial No. 118,846
8 Claims. (Cl. 112—233)

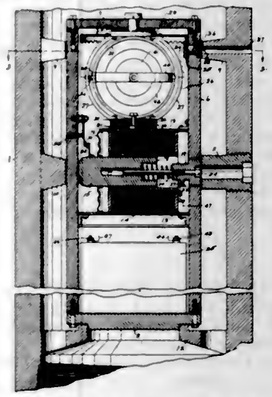


1. A bobbin-thread case, for sewing machines, having a cylindrical cup-shaped body, a free ended tension leaf-spring applied circumferentially to the cylindrical wall of said body, and a thread-guide applied to the cylindrical wall of said body independently of said tension spring and disposed immediately adjacent the free end of the latter.

2,098,271
DEVICE FOR ORIENTING WHIP STOCKS
Ovide Bares, Sulphur, and Roy I. Bares, Vinton, La.
Application July 23, 1936, Serial No. 92,092
10 Claims. (Cl. 255—1)

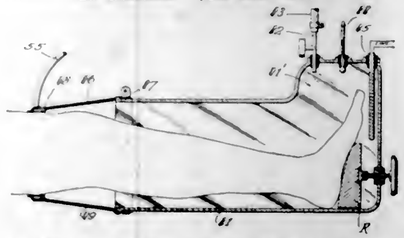
1. In a device of the character described, a housing, an impact member reciprocable in the housing, an electro-magnet for retracting the impact member, mechanical means for actuating the impact member, a source of electrical energy, a circuit leading from said source through said

electro-magnet, means for completing the circuit to effect retraction of said member and for



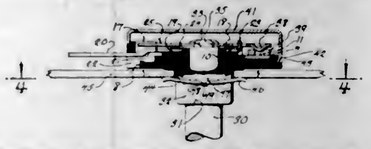
breaking said circuit to permit actuation of said member.

2,098,272
THERAPEUTIC APPARATUS
Simon Benson, Chicago, Ill.
Application March 25, 1935, Serial No. 12,863
19 Claims. (Cl. 128—38)



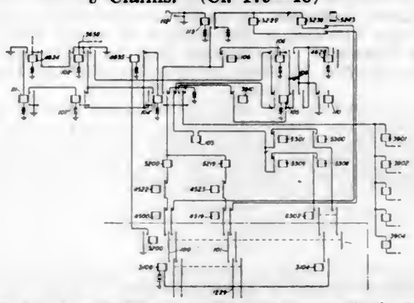
1. A device of the character set forth comprising a chamber, a cover for said chamber provided with an opening the size and shape of a human arm, a concave annular wall fitting into said opening, a section of foraminous material forming a part of said concave wall, an outer annular wall surrounding said inner wall forming a recess intermediate the walls, and means for reducing the pressure within said recess.

2,098,273
RHEOSTAT
Harry L. Bradley and Ferdinand J. Haas, Milwaukee, Wis., assignors to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 9, 1933, Serial No. 675,006
20 Claims. (Cl. 201—55)



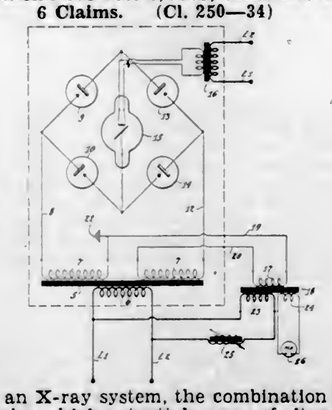
1. A rheostat comprising a base, a resistor embedded in the base with one surface exposed, a terminal for the resistor partially embedded in the base and having a part overlying and contacting the exposed surface of the resistor, a shaft journalled in the base, a contactor to traverse the resistor, a terminal for the contactor in electrical engagement therewith and partially embedded in the base, the embedded portions of said terminals being disposed under the contactor, and means to attach the contactor to the shaft in a position bearing down on said embedded portion of the terminals whereby the contactor secures the resistor and both terminals assembled with the base.

2,098,274
TELEPHONE SYSTEM
Warren W. Carpenter, Garden City, and Oscar Myers, Brooklyn, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 29, 1937, Serial No. 122,973
9 Claims. (Cl. 179—18)



1. In a telephone system, a control device, means for seizing said device, testing means in said device, timing means started when said device is released and means for preventing the operation of said testing means if said device is reseized before said timing means completes its operation.

2,098,275
X-RAY MEASURING SYSTEM
Benedict Cassen, Detroit, Mich., assignor to Westinghouse X-Ray Company Inc., a corporation of Delaware
Application November 6, 1935, Serial No. 48,469
6 Claims. (Cl. 250—34)



1. In an X-ray system, the combination of an X-ray tube, a high potential source of alternating current electrical energy connected to said X-ray tube for energizing the same with the loading energy supplied to said X-ray tube having an in-phase current-voltage characteristic and said source also having a no-load out-of-phase current

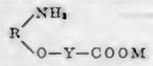
voltage characteristic, means connected to said source and to said X-ray tube to cause only unidirectional electrical energy to be supplied to said X-ray tube, means electrically connected to said high potential source for neutralizing the no-load out-of-phase current-voltage characteristic thereof so that the energy supplied to said last mentioned means is proportional to the loading energy supplied to said X-ray tube, and means connected to said last mentioned means for indicating only the current supplied to the latter which is representative of the useful current actually supplied to said X-ray tube.

2,098,276
AZO DYES AND METHODS FOR THEIR PREPARATION

Samuel Coffey, Morvan Lapworth, and Wilfred Archibald Sexton, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 11, 1935, Serial No. 20,982. In Great Britain November 30, 1932
12 Claims. (Cl. 260—91)

1. A process for the manufacture of new azo compounds which comprises coupling a compound including the radical of a diazotized aromatic amine, with a coupling component containing in its structure the radical



wherein R stands for an aryl radical of the benzene series, Y for a member selected from the group consisting of the radical CH_2, CH(alkyl) and C(alkyl)$_2$, and M for an alkali metal, the groups NH_2 and O—Y—COOM being located in ortho position to each other.

2,098,277
RUBBER HEEL

Rocco Conticchio, Mount Vernon, N. Y., assignor of one-half to John W. Guzzetta, Mount Vernon, N. Y.

Application April 20, 1937, Serial No. 137,973
2 Claims. (Cl. 36—35)



1. In combination with a conventional heel provided with a depression in its outer surface, a rubber heel including a main body portion, cupped marginal portions formed with said main body portions, a locating platform rising from the inner surface of said main body portion and extending into the depression in the conventional heel, and means to affix said main body portion to the conventional heel and hold the same in a flexed position.

2,098,278
MANUFACTURE OF TITANIUM PIGMENTS

Roy Dahlstrom, East Orange, and Lonnie W. Ryan, Westfield, N. J., assignors, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 9, 1933, Serial No. 697,304
16 Claims. (Cl. 23—202)

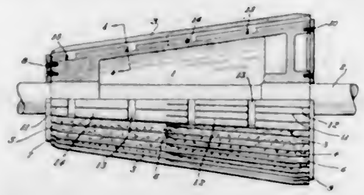
12. In a method of producing hydrous titanium oxide nuclei, the step which consists in mixing alkali-precipitated titanium compounds and an aqueous solution of sulphric acid and a compound selected from the group consisting of sodium sulphate, sodium chloride, magnesium sulphate and sodium nitrate to dissolve said alkali-precipitated titanium compounds therein.

14. In a method of producing hydrous titanium oxide nuclei, the step which consists in heating a solution of alkali-precipitated titanium compounds having a hydrogen ion concentration of pH=1.0 to pH=less than 2.0 at a sufficiently high temperature and for a sufficient length of time to precipitate therein by hydrolysis permanent macroscopic hydrous titanium oxide nuclei.

2,098,279
BANDLESS JORDAN PLUG

Alfred Dorman, Pittsfield, Mass., assignor to E. D. Jones & Sons Company, Pittsfield, Mass., a corporation of Massachusetts

Application December 5, 1934, Serial No. 756,025
5 Claims. (Cl. 92—27)



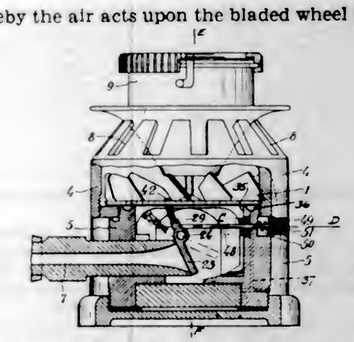
1. In a machine of the class described, and in combination, a forwardly tapered frusto-conical plug having full-length peripherally spaced supporting slots and part-length rearward supporting slots between said full-length slots, encircling grooves at right angles to the supporting slots, and undercut shoulders extending rearwardly from the forward walls of said peripheral slots, ribbed grinding bars seated in said slots and having lateral projections engaged under said shoulders, forward filler blocks between the bars in the full-length slots and with rearward ends abutting the forward ends of the grinding bars seated in the part-length slots, rearward filler blocks between the bars seated in the part-length slots and those seated in the full-length slots, cover plates closing off the interior of the plug at each end and extending radially beyond the plug surface so as to hold the grinding bars and filler blocks against motion endwise of the plug, said filler blocks being complementarily grooved to engage the ribbed grinding bars by forward motion along the plug.

2,098,280
SPIROMETER

Hugo Dornseif, Radevormwald, Germany

Application May 20, 1936, Serial No. 80,793
In Germany March 9, 1934
15 Claims. (Cl. 128—2.08)

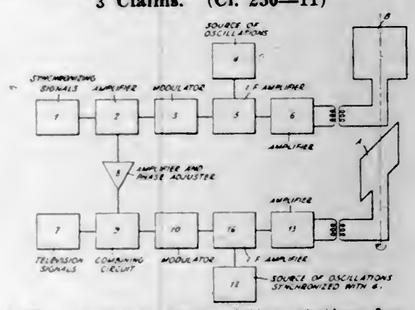
1. In a spirometer the sub-combination of a housing; a bladed wheel in said housing; a counting mechanism operatively connected with said bladed wheel; a helical guide conduit for supplying air to said bladed wheel; and a collecting chamber for the moisture deposited in said conduit by centrifugal force, connected to said guide conduit at its lowest part, said guide conduit being arranged coaxially with the bladed wheel and opening immediately on to the bladed wheel, whereby the air acts upon the bladed wheel in the helical direction of flow imparted to its by the guide conduit.



2,098,281
WIRELESS DIRECTION FINDING SYSTEM

Harry Melville Dowsett, Winchmore Hill, London, and Louis Edward Quintrell Walker, Maida Vale, London, England, assignors to Radio Corporation of America, a corporation of Delaware

Application March 20, 1934, Serial No. 716,474
In Great Britain March 31, 1933
3 Claims. (Cl. 250—11)



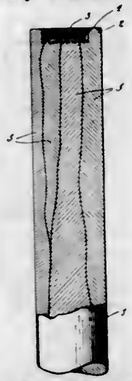
1. In a wireless transmitting station for use for direction finding, television apparatus for transmitting television signals representative of a characteristic subject, including a directional indication, means for transmitting accompanying signals for synchronization, a plurality of directive antenna systems the directivity of which may be varied according to variations in the directional indications to be transmitted, means for energizing one of said antenna systems with carrier energy modulated with the television signals, a source of synchronizing signals, and means for energizing all of the said directive systems with carrier energy modulated with said synchronizing signals.

2,098,282
CLAD METAL BODY

Frank H. Driggs, Highland Park, Ill., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application February 6, 1932, Serial No. 591,300. Divided and this application April 20, 1935, Serial No. 17,469
7 Claims. (Cl. 250—35)

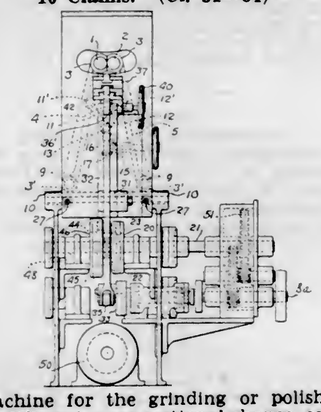
1. A clad metal comprising a body of metal having a relatively high melting point and another body of metal having a relatively low melting point, the quantity of said low melting point metal being materially in excess of that of said high melting point metal, said metals being contiguous, the joint at the place of contiguity being a firm, tenacious, mechanical union of said two metals, said union having high thermal and electrical conductivity characteristics said low melting point metal being free from oxides and containing no voids and having the longitudinal axes of its crystal structure adjacent the relatively high melting point metal perpendicular to the greatest surface area thereof to increase the tenacity of the mechanical union therebetween.



2,098,283
APPARATUS FOR POLISHING RAZORS AND OTHER ARTICLES

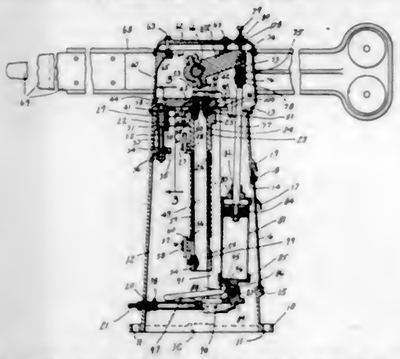
Carl Friedrich Ern, Jr., Solingen-Wald, Germany

Application March 28, 1936, Serial No. 71,389
In Germany April 2, 1935
10 Claims. (Cl. 51—84)



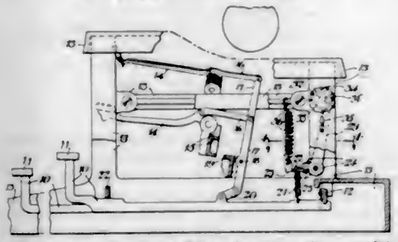
1. Machine for the grinding or polishing of tools of different cross sectional shapes, comprising grinding wheels arranged at opposite sides of a central grinding plane, two adjustable levers, bearings in said levers for the grinding wheels, pivot bearings for the levers, and means for swinging the levers to move the wheels through circular arcs of comparatively slight curvature, the distance between the wheel bearing and the pivot bearing in each lever being substantially greater than the distance between the latter bearing and the said grinding plane, and the latter distance having such a ratio to the length of each lever that the point of contact of the grinding wheel with the tool remains constant in height for grinding wheels of different diameters.

2,098,284
GATE CONSTRUCTION
James H. Fraser, Louisville, Ky.
Application May 22, 1933, Serial No. 672,267
7 Claims. (Cl. 39—7)



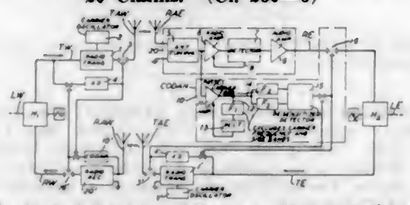
1. The combination with a gate arm, a horizontally turnable, gate arm supporting head, a rock shaft carried by the head and arranged for tilting said gate arm, a head supporting pedestal structure, of a shaft rotatably supported at the upper end by a pedestal structure and rigid with the head, means operatively associated with the head and the pedestal including a spring mounted on said second mentioned shaft for returning said head to predetermined position when released from a constraining head turning force, a cylinder and piston construction operatively connected at one end to the rock shaft, and a fluid pressure supply connected to said construction for causing relative movement between the elements thereof to secure gate arm tilting movement, of means independent of the second mentioned shaft and carried by said head and supporting said construction.

2,098,285
TYPEWRITING MACHINE
Carl Gabrielson and Edson George Moshier, Syracuse, N. Y., assignors to L C Smith & Corona Typewriters Inc., Syracuse, N. Y., a corporation of New York
Application August 30, 1935, Serial No. 38,520
9 Claims. (Cl. 197—33)



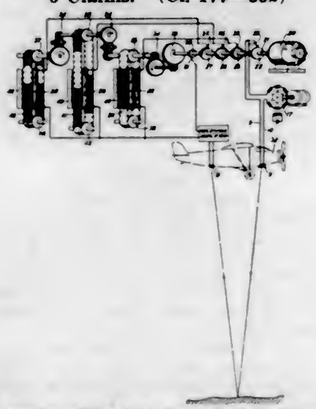
5. A typewriting machine having, in combination, a set of type actions having operating keys, a set of contractile return springs for said actions, a shiftable device to which and to said actions the opposite ends of said set of springs are connected and which device is supported for shifting movement thereof which will simultaneously and uniformly vary the lengths of the springs, a member supported to turn in contactive engagement with said device about a fixed axis and in a fixed plane, the contactive parts of said member and device being effective to hold said device in different shifted positions varied by the turning of said member and to positively limit turning of said member in both directions about its axis, and a handle connected with said member for turning of the latter in opposite directions by the handle.

2,098,286
TRANSMISSION CONTROL IN SIGNALING SYSTEMS
Owen R. Garfield, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1936, Serial No. 93,584
20 Claims. (Cl. 250—6)



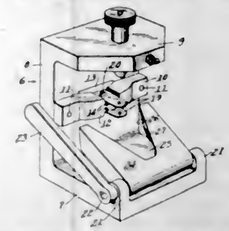
1. A receiving circuit for a carrier wave signaling system subject to static, comprising a signal demodulating path normally disabled in its output, a wave-operated switching circuit responsive to the received carrier waves to remove the disability from said path while signals are being received, and means to minimize the effect of static on the operation of said switching circuit comprising one static controlled means unresponsive to received carrier waves for suppressing from said signaling circuit the slow variations in static and another means for substantially suppressing therefrom the fast variations in static while controlling the sensitivity of said switching circuit in accordance with the applied static variations so as to maintain it at all times at maximum sensitivity to the carrier waves for the amount of static present.

2,098,287
SYSTEM OF INDICATING DISTANCE
Edgar W. Gent, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 21, 1935, Serial No. 55,589
5 Claims. (Cl. 177—352)



1. A sonic altimeter for airplanes comprising means for transmitting a longitudinal wave at predetermined intervals, a plurality of gaseous space discharge devices corresponding to different ranges of distances to be indicated, means responsive to said waves after passing through a molecular medium for selectively discharging one of said devices to indicate the particular range of distances traveled by said longitudinal wave, and means associated with each of said devices for indicating the distance within said range through which said longitudinal wave has traveled.

2,098,288
HEEL DRILLING FIXTURE
Hiram Gordon and Albert C. Rogge, Columbus, Ohio, assignors to Perma Corporation, Chicago, Ill., a corporation of Illinois
Application May 23, 1936, Serial No. 81,477
10 Claims. (Cl. 12—42)



1. A drill fixture comprising a frame formed to include horizontally disposed top and bottom walls and a connecting vertical wall, a horizontally extending saddle carried by said vertical wall, said saddle including a gaging face, horizontally adjustable work positioning means movably carried by said vertical wall and saddle, said means projecting beyond said gaging face, a work supporting tongue projecting horizontally from said saddle, pivoted clamping means carried by the bottom wall of said frame for maintaining a body to be drilled on said tongue and in engagement with said adjustable positioning means, and a vertical drill guide carried by the top wall of said frame in registration with said tongue.

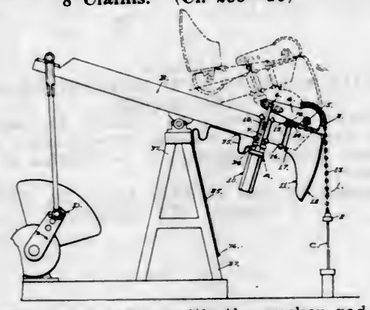
2,098,289
PROCESS FOR THE CATALYTIC SYNTHESIS OF AMINES
Crawford H. Greenewalt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1934, Serial No. 734,928. In Great Britain October 13, 1932
14 Claims. (Cl. 260—127)

1. A process of making lower alkyl amines, which comprises catalytically synthesizing the amines at a pressure in excess of 100 lbs. per square inch and then directly fractionating the reaction product at substantially the same superatmospheric pressure to separate the components.

4. A process of making lower alkyl amines, which comprises passing a vapor comprising essentially ammonia and a lower alkyl alcohol, in proportions sufficient to react to form amines over an amination catalyst at a temperature within the range of 300° to 500° C. and cooling the resulting vapors, while maintaining the system under a pressure in excess of 100 lbs. per square inch sufficient to liquefy the vapors in the cooling step, and while maintaining that pressure constant by periodically bleeding the vapor system, said pressure being substantially the same in both the catalytic step and in the cooling step.

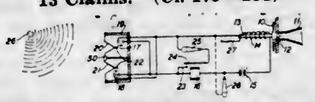
12. A process of making dimethylamine, which comprises creating a pressure on a liquid mixture consisting of approximately 28% ammonia, 12% monomethylamine, 40% trimethylamine and 20% methyl alcohol, of about 230 lbs. per square inch, heating said liquid mixture to vaporize same, preheating the vapor to about 380 to 390° C., passing the preheated vapor over an amination catalyst heated to about 400 to 410° C.; cooling the reaction products, passing the cooled products into a rectifying column and thereby separating from the amines formed the unreacted ammonia in the form of an azeotropic mixture of ammonia and trimethylamine, cooling this ammonia-trimethylamine azeotrope to condense same, while maintaining the entire system under a constant pressure of about 230 lbs. per square inch, separating the monomethylamine and trimethylamine from the amines formed and recycling these two amines together with the ammonia to help make up the initial liquid mixture.

2,098,290
SUCKER ROD IMPULSE AND IMPACT DAMPENER
James Carl Hinkle and Frederick Edmund Scheider, Los Angeles, Calif.; said Scheider assignor to said Hinkle
Application June 8, 1936, Serial No. 84,178
8 Claims. (Cl. 255—16)



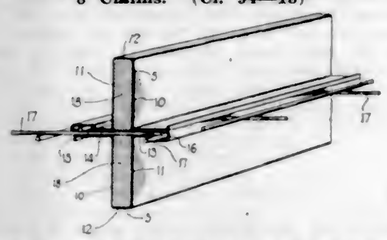
1. The combination with the sucker rod and sucker rod operating member of oil well pumping equipment, of means of operative connection between said rod and said member including a cylinder fixed on said operating member, a piston in said cylinder, means connecting said piston with the sucker rod including a lever pivoted on said operating member, and a compressible gas in said cylinder resiliently resisting movement of said piston.

2,098,291
SOUND TRANSLATING APPARATUS
Harris F. Hopkins, Bogota, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1937, Serial No. 123,219
13 Claims. (Cl. 179—184)



1. Sound translating apparatus comprising a diaphragm, means defining a sound passageway in communication with said diaphragm, a movable plug member in said passageway, electromagnetic means for moving said plug member to open or close said passageway, and a control circuit for said electromagnetic means.

2,098,292
EXPANSION JOINT
James H. Jacobson, Chicago, Ill.
Application February 9, 1935, Serial No. 5,792
8 Claims. (Cl. 94—18)



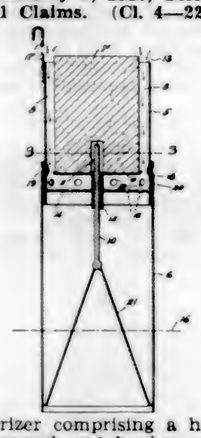
8. In a road joint having a pair of metallic walls, the combination with a pair of adjoining slabs and with the joint, of a reinforcing member for carrying the applied load across the joint, a pair of flanges formed of the material of the joint, said reinforcing member spanning the joint and being embedded within and anchored directly to one of the adjoining slabs and slidably retained in the next adjoining slab by being enclosed within and having bearing on one of said flanges which is integral with and is an extended portion of said joint, and which portion of said joint is embedded within and anchored to said last mentioned slab.

2,098,293
DUSTLESS GRITS, AND METHOD OF MAKING SAME
Frederick L. Jefferies, La Grange, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Application July 18, 1934, Serial No. 735,742
4 Claims. (Cl. 127—32)



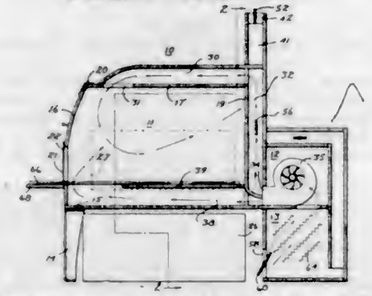
4. A corn starch product, of the type produced by subjecting the starch to heat and pressure in the presence of water, consisting of raw starch, the granules of which are intact, with some gelatinized starch in such proportion that the product gives a blue or raw starch reaction when subjected, without pre-pasting, to the Goob test, aggregated in the form of dustless flakes, containing not substantially more than 2.7% soluble substances, and containing substantially no nonstarch substances nor horny, insoluble particles of gelatinized starch, whereby the flakes are capable of being pasted, with substantial completeness, for malting.

2,098,294
DEODORIZER
Joseph Dempster Keillor, Aylmer, Ontario, Canada
Application January 2, 1937, Serial No. 118,767
11 Claims. (Cl. 4—228)



1. A deodorizer comprising a hollow cylinder vertically arranged and having an open upper end, an imperforate tray horizontally supported therein circumposed by a vapor passage, said tray being adapted to seat a chemical compound for which the surrounding cylinder forms a container having an intervening air passage in communication with the aforementioned vapor passage, and means providing for lateral diffusion of vapor from the cylinder.

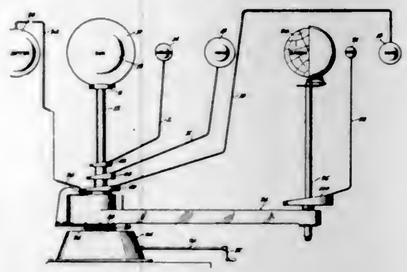
2,098,295
METHOD OF AND APPARATUS FOR CREATING AN ARTIFICIAL FEVER
Charles F. Kettering and Edwin C. Sittler, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 17, 1933, Serial No. 661,210
Renewed September 17, 1937
4 Claims. (Cl. 128—373)



1. Process comprising subjecting a human body to the effect of a high frequency field to create a fever in said body and at the same time maintaining the body substantially dry.

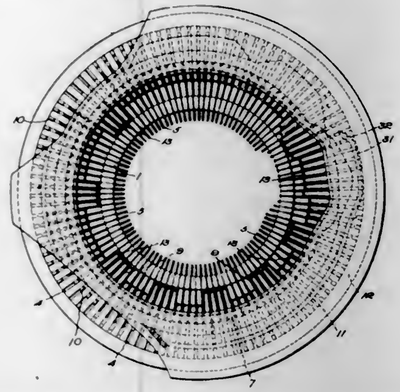
2,098,296
PLANETARIUM
Benjamin A. La Grasse, Brooklyn, N. Y.
Application January 2, 1937, Serial No. 118,737
11 Claims. (Cl. 35—45)

1. In a planetarium, a source of light representative of light from the Sun, a rotatable light transmitting globe surrounding said source to represent the Sun's surface, a sphere representing a body in the solar system, means for rotating said globe and for causing said sphere to revolve around said globe with a rotational speed differ-



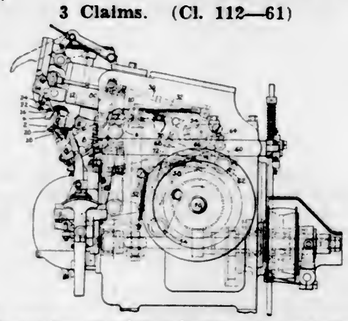
ent from that of said globe, and means revolving around said light within said globe, independently of the revolution of said globe, for projecting a beam of light from said source onto said sphere while the latter revolves around said globe.

2,098,297
MECHANISM AND PROCESS FOR EFFECTING REVERSE PLATING BY NEEDLE DEFLECTION
John Lawson and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application May 26, 1927, Serial No. 194,504
3 Claims. (Cl. 66—36)



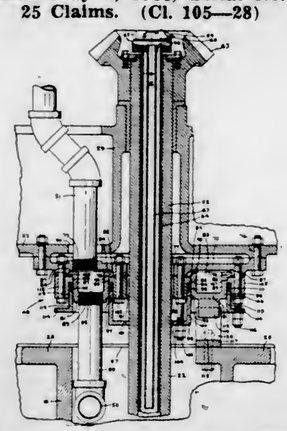
1. In a circular knitting machine, a circular series of independent needles to which two threads are adapted to be fed in a plating relation, slotted supports, web holders operable between said needles and sliding in slots in said support, jacks each associated respectively with a web holder and slidable parallel to said web holders in slots in said support and adapted to engage the needle shanks to deflect the same at their loop forming ends, and means on the hook side of the needles for causing said jacks to deflect predetermined needle shanks sufficiently to cause a change in the plating relation of the two threads with continued feeding of both threads to the selectively deflected needles and pattern means for acting upon said jacks.

2,098,298
SHOE SEWING MACHINE
Bernard T. Leveque, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 12, 1935, Serial No. 10,621. Divided and this application May 12, 1936, Serial No. 79,283. Renewed February 13, 1937
3 Claims. (Cl. 112—61)



1. A sewing machine having, in combination with the stitch forming devices, a work support, a presser-foot, means for pressing the presser-foot yieldingly against the work, a rock shaft, a driving clutch member secured to the shaft, a driven clutch member, connections from the driven clutch member to the presser-foot, and means for rocking the rock shaft in one direction to release the driven clutch member, and in the other direction to move the driven clutch member to clamp the presser-foot on the work.

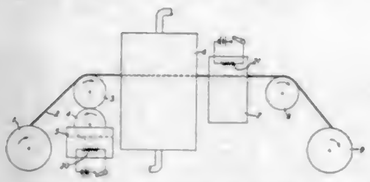
2,098,299
CRANE
Rolf E. Ljungkull, St. Paul, Minn., assignor to American Hoist and Derrick Company, St. Paul, Minn., a corporation of Delaware
Application May 2, 1936, Serial No. 77,555
25 Claims. (Cl. 105—28)



1. In a machine of the character described, a car body, a platform thereon, a vertical shaft about which said platform is revolvable, steam actuated mechanism on said platform, a different car body, a source of steam supply on said different car body, and means for conveying steam from said source of steam supply to said steam actuated mechanism, said means including a swivel joint consisting of a member surrounding said

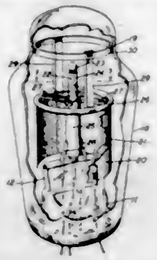
vertical shaft and secured to said platform, a second member surrounding the vertical shaft and rotatably supported by the member first mentioned to provide a chamber between said member and said second member, a steam connection leading from said source of steam supply by way of said second member to said chamber, a steam connection leading from said chamber by way of said member to said steam actuated mechanism, and a device between the second member and car body and secured upon said car body for precluding rotation of said second member with respect to said car body, said device having engagement with said second member.

2,098,300
ELECTRIC WELDING
David T. May, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1935, Serial No. 35,234
5 Claims. (Cl. 148—6)



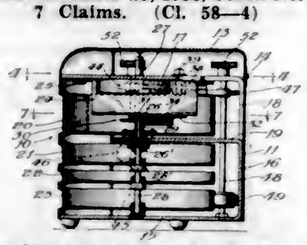
1. The method of preparing sheet metal for welding which comprises covering one surface with a protective coating, and subjecting said sheet to a chemical reaction to produce on the other surface thereof a substance having a conductivity different from that of the metal itself.

2,098,301
GLOW DISCHARGE DEVICE
Hallam E. Mendenhall, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1935, Serial No. 43,296
8 Claims. (Cl. 250—27.5)



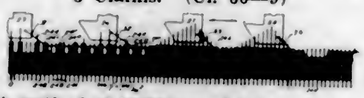
8. A glow discharge device comprising an enclosing vessel having a stem and a dome opposite said stem, a cylindrical cathode above said stem, an anode in cooperative relation with said cathode, a control electrode including an annular member adjacent the end of said cathode remote from said stem and a tubular member within said cathode, means engaging said tubular member for supporting said control electrode from said stem, and bracing means for said control electrode including an insulating member connected to said annular member and engaging the inner wall of said dome.

2,098,302
COMBINATION CLOCK AND CALENDAR
Joseph C. Morris, Chicago, Ill.
Application November 25, 1936, Serial No. 112,674
7 Claims. (Cl. 58—4)



7. A combination clock and calendar comprising a casing having a plurality of openings in its face, clock mechanism in the casing, a driven shaft projecting from the clock mechanism in the casing, a drum mounted on said driven shaft, the drum carrying hour and minute designations on its peripheral surface, operative connections between the driven shaft and said drum for causing the drum to make two complete revolutions in twenty-four hours, a stub shaft in the casing aligned with said driven shaft, a series of drums loosely mounted on said stub shaft concentrically with said first mentioned drum and carrying day of the week and day of the month designations on their respective peripheral surfaces, and means for actuating the drums of said series.

2,098,303
METHOD OF KNITTING FABRIC
Charles Moses, New York, N. Y.
Application April 26, 1937, Serial No. 138,970
3 Claims. (Cl. 66—9)

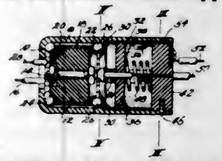


1. A method of knitting a fabric upon a sinker top knitting machine with sinkers having two steps characterized by the following sequence of operations, namely, elevating needles so that the latches of said needles are below the upper step of said sinker, the already formed stitch loops holding said latches against the shanks of the needles, feeding an inlay thread to the hooks of said needles and drawing said needles down so that the hooks are below said step while said inlay thread rests within the throat of said step, elevating needles so that the latches clear said inlay thread, feeding a weft thread to the hooks of said needles and drawing said needles down so that said hooks are below the upper sinker step thus casting off said inlay thread but not the already formed stitch loops while said weft thread rests within the throat of said step, elevating needles so that the latches clear said weft thread, feeding a knitting thread to the hooks of said needles, withdrawing said sinkers whereby the already formed stitch loops drop to the lower sinker step, drawing said needles down to cast off said weft thread and the already formed stitch loop.

2,098,304
SWIVEL CONNECTER
Louis G. Nakich, Kansas City, Mo.
Application September 23, 1935, Serial No. 41,687
1 Claim. (Cl. 173—324)

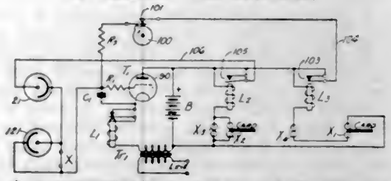
A swivel connecter of the character described comprising a case of non-conducting material;

an assembly movable as a unit about an axis within the case having a body of non-conducting material, an axially extending pin of conducting material therethrough, a ball race formed of conducting material at each end of the body, and wires in connection with the said pin and ball race; another ball race formed of conducting material in opposed relation with the innermost ball race of the movable assembly; balls of conducting material in said opposed races; a



wire in connection with said last mentioned ball race; a contact pin of conducting material having a wire in connection therewith in frictional engagement with the first mentioned pin; a spring to urge the contact pin toward the said first mentioned pin; a holder of non-conducting material for said contact pin and associated spring; and another spring yieldably securing said holder in place with the pins in frictional engagement.

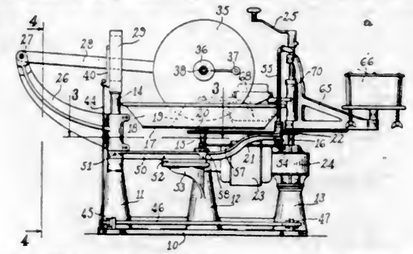
2,098,305
COMMUNICATION SYSTEM
Harry J. Nichols, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 23, 1936, Serial No. 102,112
19 Claims. (Cl. 164—115)



1. A communication system of the character described for use with a tabulating card containing a plurality of columns each having a plurality of positions for indications thereon, means including light responsive means for scanning the positions of each column and successive columns, a single communication circuit, means for transmitting a signal in accordance with the position of each of said indications over said communication circuit, a recorder, means for receiving said signals, the recorder having a blank card corresponding to said tabulating card, means for moving said blank card intermittently through successive columns, and means controlled in response to said signals for reproducing indications on said blank card corresponding to the respective positions of said indications on said tabulating card.

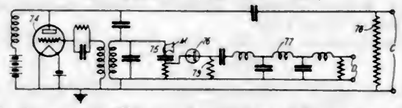
2,098,306
APPARATUS FOR APPLYING ABRASIVE TO POLISHING WHEELS, BELTS, OR THE LIKE
Joseph S. Porter, New Haven, Conn., assignor to D. & H. Scovil, Incorporated, Higganum, Conn., a corporation of Connecticut
Application March 17, 1937, Serial No. 131,461
20 Claims. (Cl. 91—18)

1. Apparatus for applying abrasive to a polishing element comprising a suitably supported upwardly opening container for the abrasive, means for rotating said container, and means for supporting a polishing element above the con-



tainer with its surface in contact with the abrasive in the container.

2,098,307
SINGLE SIDE BAND TRANSMISSION
Ellison S. Purington, Gloucester, Mass., assignor to John Hays Hammond, Jr.
Original application September 6, 1930, Serial No. 480,165. Divided and this application September 6, 1935, Serial No. 39,361
3 Claims. (Cl. 179—171)

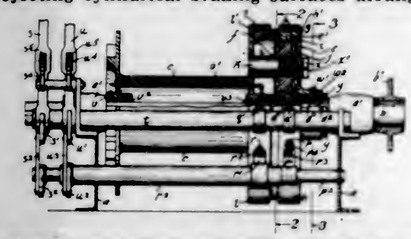


1. In a signalling system, means for generating high frequency energy, said last named means including a frequency determining variable reactance device, means for varying the variable reactance in accordance with the signal energy desired to be transmitted to thereby vary the frequency of the generated high frequency energy and cause a flow of high frequency energy through the reactance which varies simultaneously both in frequency and in magnitude, a non-selective impedance element in series with the variable reactance and arranged so that the high frequency energy passing through the reactance also passes through the non-selective impedance element whereby there is developed a potential across the impedance, rectifying means connected across the last named element and arranged so as to produce a flow of direct current the intensity of which varies in accordance with the original signalling energy and also with the departure of the frequency of the generated high frequency energy from a predetermined normal frequency value, means for filtering the output from the rectifier, a corrective network connected across the filtering means, said corrective network acting to make the voltage of the signal current relative to the impressed signal voltage vary with the signal frequency in a predetermined manner and means for amplitude modulating the original frequency modulated high frequency energy in accordance with the output of the corrective network.

2,098,308
HOIST
Frank R. Ramsey, Portland, Oreg.
Application January 4, 1936, Serial No. 57,481
10 Claims. (Cl. 254—187)

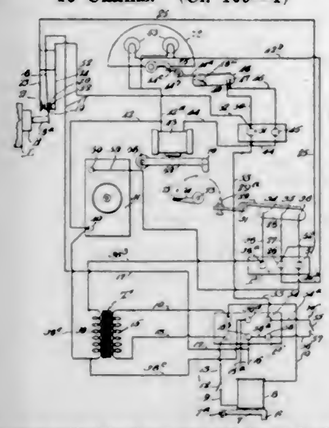
1. A hoist comprising a frame, a driven shaft journaled thereon, a drum and disc rotatably arranged relatively upon said shaft, an external gear fixed to said shaft, an internal gear carried by said disc and a planetary gear journaled on

said drum upon an axis spaced laterally from that of the driven shaft, the said gears intermeshing and thus operatively engaging each other, said disc and drum elements provided with laterally projecting cylindrical braking surfaces arranged



in approximate abutment with each other overlying and housing said gear elements and means extending across the abutting edges of said braking surfaces and constituting a seal between said parts.

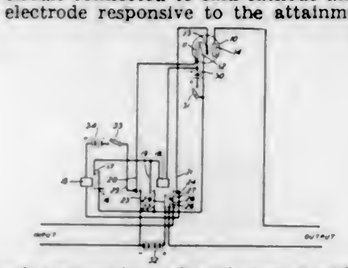
2,098,309
PROTECTIVE SYSTEM
Harry J. Robinson, Needham, and Ray F. Harrison, Stoughton, Mass., assignors to The Mosler Safe Company, Boston, Mass., a corporation of New York
Application July 21, 1934, Serial No. 736,298
10 Claims. (Cl. 109—1)



1. A protective system comprising a locker having a door, a manually actuable bolt for the door, a locking dog for the bolt, motor means for retracting the locking dog, a timing mechanism operative after a predetermined interval of time to make available energy for operating said motor means, a manually operable device operative to set said timing mechanism into operation, an outer protective enclosure for the locker, and means exterior to said protective enclosure operative to determine the application of energy for driving said motor means.

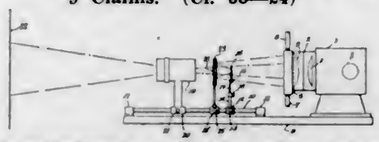
2,098,310
CIRCUIT FOR SPACE DISCHARGE DEVICES
George H. Rockwood, Jr., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1935, Serial No. 44,062
10 Claims. (Cl. 250—27)

1. In combination, a space discharge device comprising a cathode, an anode, and a third electrode, a heater circuit for said cathode, a normally open output circuit connected to said cathode and said anode, and means including an auxiliary circuit connected to said cathode and said third electrode responsive to the attainment of



a cathode temperature after closing of said heater circuit sufficient to enable the passage of a desired space current to said anode, to close said output circuit, said auxiliary circuit including a source for applying a constant positive potential to said third electrode.

2,098,311
PROJECTING APPARATUS
Edwin C. Schattschneider, West Allis, Wis.
Application February 7, 1936, Serial No. 62,726
9 Claims. (Cl. 88—24)



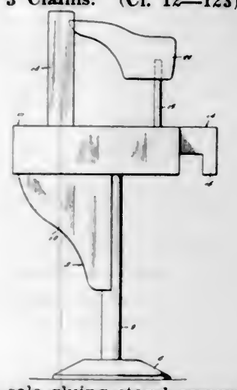
1. A projecting apparatus comprising a screen, a projector, a source of light located on the other side of said projector from said screen, an object holder located between said projector and said source of light and adapted to hold an object, said object directly obstructing a portion of the beam of light from said source, whereby a silhouette of said object will be produced upon said screen, and a mirror located between said object holder and said projector for reflecting light from said source of light upon the front face of said object, said mirror having a cut away portion so that the silhouette of said object will not be obstructed by the mirror, said projector superimposing an image of said object upon the silhouette.

2,098,312
FOOT PAD
William M. Scholl, Chicago, Ill.
Application November 11, 1935, Serial No. 49,168
2 Claims. (Cl. 128—153)



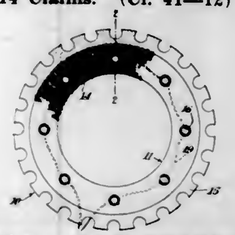
1. A pad for application to the human body comprising a thin, perforated base ply having one surface coated for adhesive attachment to the body skin, a fibrous, cushion element united to the opposite surface and lying within the marginal edge of the base ply and having a perforation registering with the perforation of the base ply to form the shielding recess of the pad, and a thin, imperforate, water-proof, cover ply overlying the recess and extending beyond the marginal edge of the element, the extending portions of the plies being adhered together to seal the element against moisture penetration when the pad is in position on the skin.

2,098,313
SHOE GLUING STAND
John Frank Sottile, Kingston, N. Y.
Application April 20, 1937, Serial No. 138,044
3 Claims. (Cl. 12—123)



1. A shoe sole gluing stand comprising a base having a column rising therefrom, a block on the upper part of said column and formed with a longitudinal groove, a slide mounted in said groove and having a standard rising therefrom, said slide being formed with a slot, an inverted shoe last having a rod depending therefrom and through said slot, and means removably mounting said rod on said block with the toe portion of the last overlying the top of said standard.

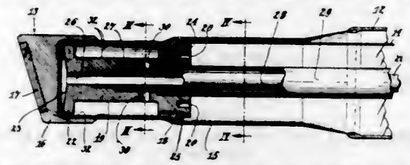
2,098,314
ORNAMENTAL WREATH
Israel H. Shalomith, Brooklyn, N. Y.
Application April 28, 1936, Serial No. 76,719
14 Claims. (Cl. 41—12)



9. In an electrically illuminated ornamental wreath, a core having an annular back member and an annular arched front member, one or more cut out openings in the said arched member each adapted to retain an electric lamp socket, a diagonal slit leading from each of the said openings to a peripheral edge of the said arched member, a wrapping of ornamental material surrounding the said core and keeping its members in position, and an annular crown member fitting closely and positioned over the outer edge of the wreath, surmounting the ornamental material.

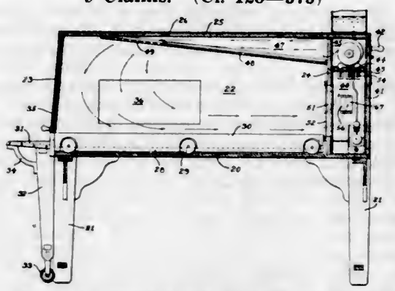
2,098,315
X-RAY TUBE
David Gordon Sharp, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 14, 1934, Serial No. 735,181
6 Claims. (Cl. 250—35)

1. An X-ray tube comprising an envelope, a cathode, an anode including a refractory metal target which becomes heated during operation by electron bombardment, a back plate of good heat conducting material for supporting said target and a hollow anode stem for supporting said back plate, and means for uniformly circulating a cooling and insulating material over the maximum surface area of said back plate rearwardly of said target including a member disposed interiorly of said anode stem having passages for the ingress and egress of a cooling and



insulating material, and said member being of such size relative to said back plate and having a concave surface spaced a short distance from the adjacent rear surface of said back plate so as to impart a high turbulence and high velocity to said cooling and insulating material at all points of greatest heat to enable said material to flow over the surface of said back plate without filming and to effect maximum heat transfer from said anode to said cooling and insulating material.

2,098,316
METHOD OF AND APPARATUS FOR CREATING AN ARTIFICIAL FEVER
Edwin C. Sittler, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 22, 1933, Serial No. 681,750
9 Claims. (Cl. 128—373)

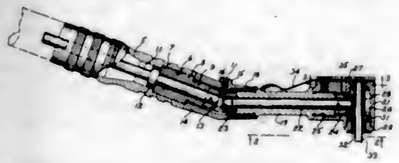


1. A body temperature controlling apparatus comprising walls forming a cabinet having a main compartment for receiving the body portion of a human body with the head extending without the main compartment at one end thereof and with the feet at the other end thereof, means for creating an artificial fever in the human body including means for heating and humidifying air, duct means for conducting air between the foot end of the main compartment and the head end of the main compartment, and forced draft means for circulating air through said duct means.

2,098,317
DENTAL APPLIANCE
Martin Staunt, Chicago, Ill.
Application September 19, 1935, Serial No. 41,219
3 Claims. (Cl. 32—27)

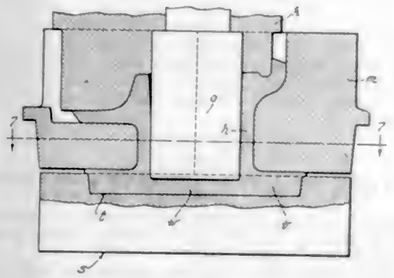
1. A dental apparatus comprising a head having a tubular shaft for receiving the stem of a tool, a removable bearing for one end of said

shaft, said bearing having a countersunk end, and a cap having a pressure fit in said counter-



sunk end for covering the end of said tubular shaft.

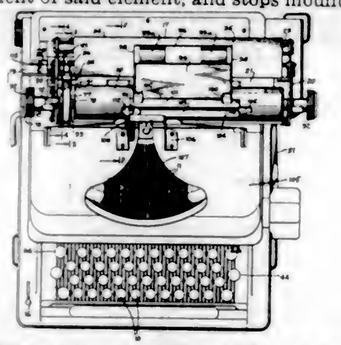
2,098,318
METHOD OF MAKING A FLANGED VALVE HOUSING
James Hall Taylor, Oak Park, Ill.
Application October 2, 1935, Serial No. 43,193
4 Claims. (Cl. 29—157.1)



1. The method of producing a valve housing, which comprises forging a cup-shaped blank comprising a tubular hub provided at its upper end with an integral continuous valve seat, a housing body element extending upward beyond said seat, and a metal mass depending from the lower end of said hub, smashing down said metal mass while confining said hub against radial distortion and thereby forming an integral bolting flange extending circumferentially of the lower end of the hub and a disc closing the lower end of said hub, removing said disc and thereby completing one housing section, and disposing two housing sections so produced in endwise alignment and welding them together on approximately the transverse median plane of the resulting housing with said flanges at the ends of the housing.

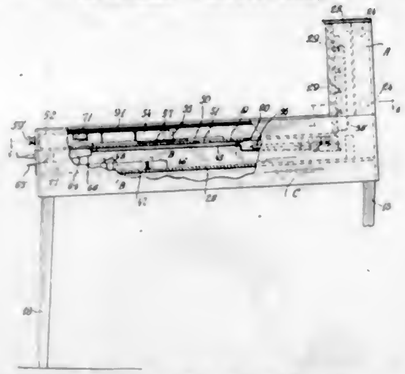
2,098,319
TYPEWRITING MACHINE
Russell G. Thompson, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 25, 1934, Serial No. 727,382
11 Claims. (Cl. 197—127)

1. In combination with a platen, a platen driving element comprising a rotatable tape drum, a tape wound thereon; a driving element mounted on the tape drum and effective to drive the platen when the tape drum is rotated by pulling the tape wound thereon in a direction to unwind the tape, said element being ineffective when the tape drum is reversely rotated; a spring secured to the tape drum for reversely rotating the drum to rewind the tape when pull on the latter is relaxed, a pair of holding pawls for normally preventing rotation of the platen and releasable by initial movement of said element, and stops mounted on



the platen and co-operating with said holding pawls to limit rotation of the platen.

2,098,320
GAME APPARATUS
Harry G. Traver, Beaver Falls, Pa., assignor to International Mutoscope Reel Co., Inc., New York, N. Y., a corporation of New York
Application July 5, 1934, Serial No. 733,779
11 Claims. (Cl. 273—122)

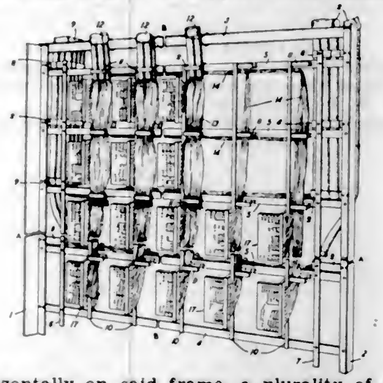


1. In a game apparatus, a board having openings at one end into one of which openings a ball projected from the opposite end of the board is adapted to enter, means to receive a ball entered into and passing through an opening in the board and operative to return the ball to the board, means to releasably hold said ball return means against movement after a predetermined number of balls have been received thereby, and coin controlled means to release the holding means from said ball return means.

2,098,321
DISTRIBUTING FRAME
Frederick W. Treptow, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 7, 1935, Serial No. 25,397
10 Claims. (Cl. 179—98)

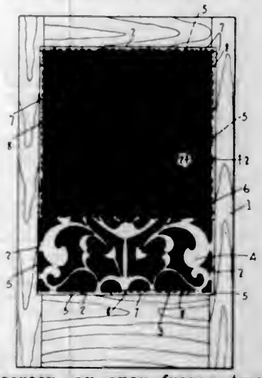
1. In a trunk distribution system a distributing frame, a pair of vertical supports, a plurality of horizontal members extending between said supports, a plurality of C-shaped wire supporting brackets attached to the front and rear of said members, the brackets on the front of said

members being aligned in vertical rows to support wires extending vertically on said frame and the brackets on the rear of each of said members being aligned to support wires extending



horizontally on said frame, a plurality of vertical members attached to said horizontal members and a plurality of terminal strips secured to each of said vertical members.

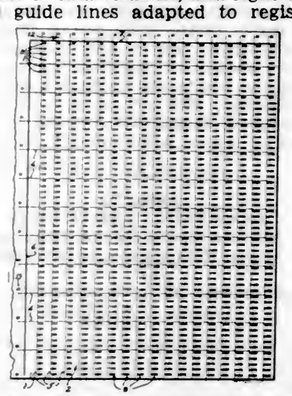
2,098,322
SCREEN
Jerome M. Trotcky, Albany, N. Y.
Substituted for abandoned application Serial No. 686,011, August 21, 1933. This application May 25, 1936, Serial No. 81,552
4 Claims. (Cl. 156—14)



1. In a screen, an open frame, two layers of screen cloth stretched thereacross, an open-work stiffening member between the cloth layers, and means to secure the layers of screen cloth and stiffening member to the frame.

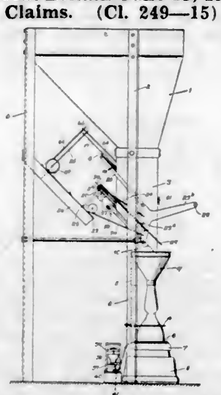
2,098,323
GAUGE FOR COUNTING TYPEWRITTEN CHARACTERS
Harry L. Wadsworth, Los Angeles, Calif.
Application May 27, 1935, Serial No. 23,728
2 Claims. (Cl. 33—1)

1. A gauge for counting typewritten characters comprising: a sheet of transparent material having tabularly arranged totals thereon in horizontal rows spaced to correspond to a predetermined number of characters in a line and in vertical columns spaced to correspond to the line spacing of a selected style of type and adapted to be superposed on a sheet of manuscript so that the printed totals on the gauge will indicate the total numbers of characters on the manuscript at points registering with said printed totals, horizontal rulings at regular intervals subdividing said rows into groups, and vertical rulings adjacent the left hand digits of said columns, and right angularly extended guide lines adapted to register with



characters on the manuscript to position the sheet for use, one of said guide lines being spaced to the left of the adjacent vertical column and adapted by reason of the transparency of the sheet to be placed between the first and second characters on each line of manuscript over which the sheet is placed and the other guide line being disposed to be placed below the first line of characters of said manuscript.

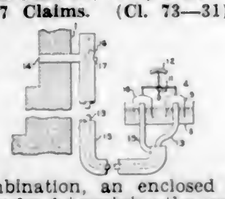
2,098,324
APPARATUS FOR DELIVERING AND WEIGHING PREDETERMINED QUANTITIES OF MATERIAL
Thomas Ottiwell Ward, Roby, and Stanley Eaton, Mossley Hill, Liverpool, England
Application June 10, 1936, Serial No. 84,538
In Great Britain June 15, 1935
2 Claims. (Cl. 249—15)



1. Apparatus for automatically delivering and weighing predetermined quantities of granular and like material, of the type referred to, comprising a slidably disposed plate shutter valve for controlling the supply of material from the hopper to the measuring chamber of said apparatus and a similar valve for controlling the supply of material from said measuring chamber to the weighing device, said valves being adapted to be

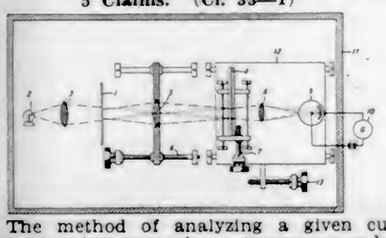
so reciprocated in unison with each other that when the discharge orifice of the hopper is open the discharge orifice of the measuring chamber is closed and vice versa, said hopper plate shutter valve having a relatively small aperture formed therein for permitting after said hopper valve has been closed a continuous dribble of the material from the hopper through the measuring chamber direct to the scale pan, a closure member disposed within said dribble aperture for controlling the area of said dribble aperture, an external handle connected to and operating said closure member, and means to compensate for the material in flight between the hopper and the weighing device after cut-off of the supply.

2,098,325
MEASURING APPARATUS
Harry E. Weaver, South Euclid, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application June 29, 1934, Serial No. 733,065
7 Claims. (Cl. 73—31)



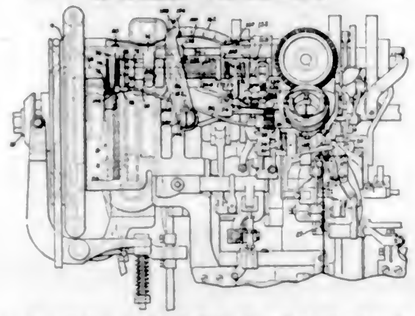
1. In combination, an enclosed structure, a pressure gage for determining the pressure within said structure, a connection between said gage and the interior of said structure, and a connection between said gage and the atmosphere at the exterior of said structure, one of said connections surrounding the other throughout substantially its entire length, said gage sensitive to the difference in the pressures within said connections.

2,098,326
CALCULATING DEVICE
Edward C. Wente, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 10, 1935, Serial No. 15,727
5 Claims. (Cl. 33—1)



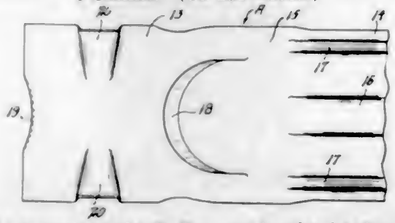
1. The method of analyzing a given curve which comprises preparing a transparency having a coefficient of transmission varying laterally in accordance with the variations in one period of the curve, preparing a second transparency having a vertically constant coefficient of transmission varying laterally in accordance with a sinusoidal function having a period which is an integral part of the period of the curve, optically aligning both said transparencies in a uniform beam of radiant energy, detecting the total radiant energy transmitted through both transparencies, shifting said second transparency until the total radiant energy transmitted is a maximum, measuring said maximum, again shifting said second transparency until the total radiant energy transmitted is a minimum, measuring said minimum, and determining the magnitude of a harmonic of said curve from said readings.

2,098,327
LOCKSTITCH SEWING MACHINE
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 19, 1935, Serial No. 50,532
18 Claims. (Cl. 112—186)



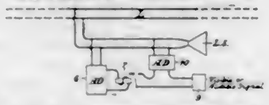
1. A lockstitch shoe sewing machine having, in combination, a needle, a locking thread case, a loop taker for passing a loop of needle thread about the thread case during each sewing cycle of the machine, and means engaging the thread outside the thread case for feeding thread lengthwise into the thread case to replenish the supply therein.

2,098,328
SPRING PLANK
Ralph B. Winship, Montreal, Quebec, Canada
Application September 14, 1933, Serial No. 689,406
6 Claims. (Cl. 105—208.2)



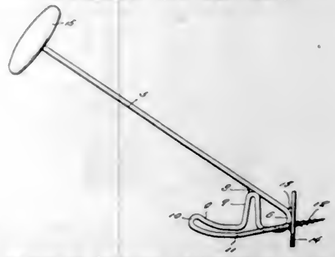
1. A spring plank for car trucks having an elongated central rigid portion, end portions adapted to rest on side frames, and flat portions joining the central portion to the end portions, said flat portions being resilient.

2,098,329
MAINTENANCE OF PROGRAM TRANSMISSION CIRCUITS
Herman Andrew Affel, Ridgewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 24, 1935, Serial No. 41,920
13 Claims. (Cl. 179—1.1)



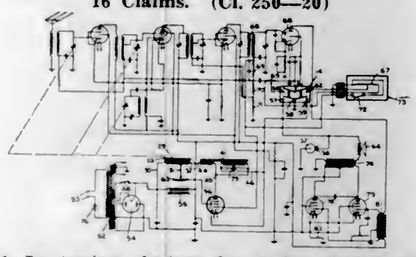
1. In a program transmission line, means for monitoring the line comprising a signal responsive device bridged across the line and responsive to line signals, a secondary circuit, and an electrically operated relay so controlled by said responsive device as to cause said secondary signal circuit to be operated during periods of program silence on the transmission line.

2,098,330
COAT AND HAT HOOK
Herbert E. Binder, Milwaukee, Wis.
Application December 28, 1936, Serial No. 117,941
2 Claims. (Cl. 248—217)



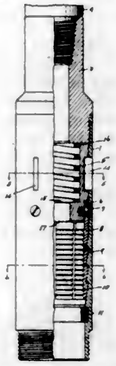
1. A garment hanger comprising a length of wire rod bent, shaped and dimensioned to provide a hat suspension arm provided at one end with a return bend merging into a U-shaped brace member secured at its closed end to said arm, and having one side at the open end of the U extended forwardly and longitudinally bowed to present a garment suspension hook, said garment suspension hook at its free end merging into a return bend, with the free end of the wire extending rearwardly from said return bend and extending beyond the first mentioned return bend with its terminal being tapered and threaded to provide an attaching screw whereby the hanger may be secured to a wall or analogous support.

2,098,331
AUTOMATIC STATION SELECTOR FOR RADIO RECEIVERS
William John Bowman, Kitchener, Ontario, Canada
Application April 21, 1934, Serial No. 721,693
16 Claims. (Cl. 250—20)



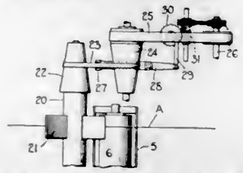
1. In tuning devices for radio circuits, the combination with power actuated frequency changing means for the radio circuit for scanning the spectrum through which the circuit is adapted to tune, of continuously operative power controlling means for the frequency changing means actuated by an incoming signal including means for causing the power controlling means to exert a controlling effect as resonance with the incoming signal is approached such that the magnitude of the controlling effect is a function of the amplitude of the signal resonance curve and its rate of application is a function of the steepness of such curve.

2,098,332
OVERSHOT
Walter L. Church, Houston, Tex.
Application January 31, 1935, Serial No. 4,262
2 Claims. (Cl. 294—102)



1. An overshot comprising a shell like housing, an operating string whose end is screwed into the housing forming a downwardly facing abutment, a tubular slip support in the housing having external J slots and whose lower end is inwardly thickened forming an upwardly facing shoulder, keys secured to the shell and working in said J slots, independent slips depending from the support, radial pins securing the upper ends of the slips to the support, said housing and slips having coacting faces shaped to effect the contraction of the slips upon downward movement of the support in the housing, and a coil spring between the abutment and shoulder and housed within the support and effective to accelerate such downward movement and to maintain the slips contracted.

2,098,333
TREATMENT OF TEXTILE MATERIAL
Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Original application October 28, 1931, Serial No. 571,582. Divided and this application April 25, 1935, Serial No. 18,158
5 Claims. (Cl. 8—19)



1. In apparatus for applying a liquid to yarn while it is in transit, the combination of a source of supply for the yarn, means for winding up said yarn, a source of supply for the liquid to be applied and means including a variable drive for causing the yarn to contact with the source of supply of liquid at continuously varying intervals.

2,098,334
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application April 16, 1935, Serial No. 16,622. In Great Britain April 19, 1934
14 Claims. (Cl. 260—123)

1. Process for the manufacture of an aliphatic

anhydride which comprises subjecting the corresponding aliphatic acid to thermal decomposition in presence of metaphosphoric acid produced by the thermal decomposition of a phosphate of a volatilizable base.

2,098,335

MANUFACTURE OF DERIVATIVES OF POLYHYDROXY COMPOUNDS

Henry Dreyfus, London, England

No Drawing. Application June 3, 1936, Serial No. 83,269. In Great Britain June 22, 1935
5 Claims. (Cl. 260—152)

1. Process for the production of cellulose ethers, which comprises reacting on fibrous cellulosic materials with etherifying agents under substantially anhydrous conditions in the presence of aliphatic organic bases.

2,098,336

MANUFACTURE OF CELLULOSE DERIVATIVES AND PRODUCTS OBTAINED THEREFROM

Henry Dreyfus, London, England

No Drawing. Application June 3, 1936, Serial No. 83,271. In Great Britain June 22, 1935
7 Claims. (Cl. 260—101)

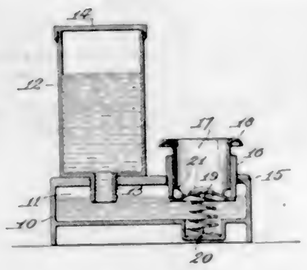
1. Process for the production of ether-esters of cellulose, comprising esterifying partial ethers of cellulose which have been produced under substantially anhydrous conditions and in the presence of an organic base.

2,098,337

CIGARETTE EXTINGUISHER

Harry D. Edwards, Los Angeles, Calif.

Application April 1, 1936, Serial No. 72,071
3 Claims. (Cl. 131—51)



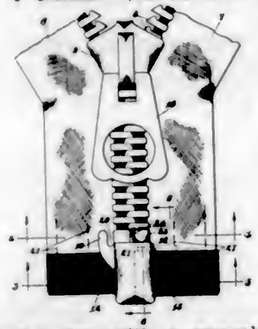
3. In a cigarette extinguisher, a base provided with a chamber adapted to contain water, an open-ended tubular member mounted on the upper portion of said base and extending downwardly into the water chamber therein, a tubular member arranged for sliding movement through said open ended tubular member, a disc carried by the lower end of said second mentioned tubular member and adapted to engage the lower end of said open ended tubular member, a spring arranged beneath said disc for yieldingly resisting the downward movement of said disc and said second mentioned tubular member, there being openings formed through the wall of the second mentioned tubular member immediately above said disc and a reservoir mounted on said base and having communication with the water chamber therein.

2,098,338

SEPARABLE FASTENER

William L. Gilmore, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application January 28, 1933, Serial No. 654,030
6 Claims. (Cl. 24—205)



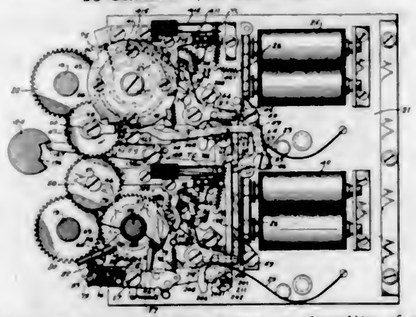
1. In combination with a separable fastener of the kind having a pair of stringers provided with cooperating series of fastener elements and a slider for engaging and disengaging said fastener elements, a separable end connection comprising cooperating independent connecting members attached respectively to said stringers and metallic reinforcing means on the end of at least one of said stringers interlocked with the connecting member, said reinforcing means overlying a portion of the stringer and having openings to permit uninterrupted passage of stitches therethrough at any desired point.

2,098,339

ACCOUNTING MACHINE

Alvin E. Gray, Flushing, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 18, 1931, Serial No. 545,256
15 Claims. (Cl. 235—61.8)



1. In an accumulating device, a plurality of accumulating elements, means for actuating said elements, means for engaging said elements with the actuating means, and means under control of one element of the device for changing the instant at which said engaging means operates to engage the next higher order element with the actuating means.

2,098,340

ORAL AIRWAY DAM

Joseph P. Henahan, Cleveland, Ohio

Application December 7, 1936, Serial No. 114,698
3 Claims. (Cl. 128—132)

2. A mouth dam of the character described comprising a body of resilient material and of a shape conforming with the construction of the dorsum portion of the mouth, said body being provided



with a vertically disposed tube at the rear side thereof, terminating at its upper end in the form of a funnel.

2,098,341

FLASHLIGHT POWDER

Albert Kälber, Pforzheim, Germany

Application March 2, 1936, Serial No. 66,751
3 Claims. (Cl. 52—24)



1. A flashlight powder mixture consisting of:

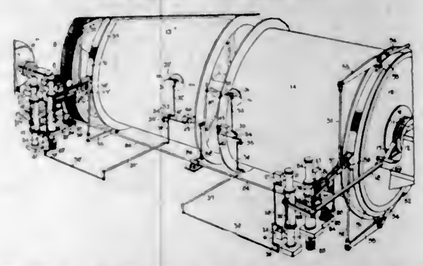
	Parts by weight
Magnesium (Mg)	120 to 140
Aluminium (Al)	25 to 32
Finely ground calcareous alabaster ($CaCO_3$)	45 to 56
Silica (SiO_2)	18 to 24
Repeatedly glowed magnesia usta (MgO)	8 to 12

2,098,342

HOIST BRAKE

Max T. Knutzen, Toronto, Ontario, Canada, assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application May 11, 1936, Serial No. 79,142
20 Claims. (Cl. 192—17)



1. The combination of a power-driven shaft; a winding drum rotatably mounted relatively to said shaft; clutch means interposed between said shaft and drum and having an engaged position and a released position; a power-controlled brake for said drum including means biasing the brake in an applying direction and a motor which when energized overpowers said biasing means; a manually actuated controller for said brake motor; and means associated with said clutch means and rendered effective as an incident to disengagement thereof to interrupt the supply of energy by said controller to said motor and deenergize said motor.

2,098,343

SKELETON POLE

Lon Lawton, Stevenson, Wash.

Application November 18, 1936, Serial No. 111,433
3 Claims. (Cl. 189—24)



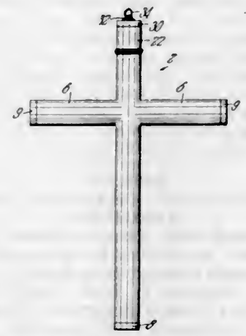
1. A skeleton metal pole including a base plate, a resilient metal spiral attached to said base plate, said spiral extending approximately the full length of said pole, a plurality of longitudinal struts attached to said base plate about said spiral, said struts extending the full length of said pole, a series of encircling rings placed on said struts so as to cause said struts to compress said spiral, said rings secured in place on said struts at equal intervals.

2,098,344

DISPENSER

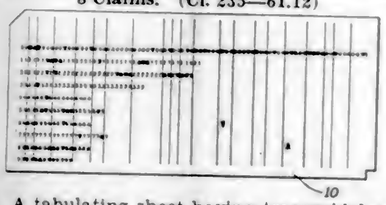
Frank Le Boeuf, Hartford, Conn.

Application June 23, 1937, Serial No. 149,963
1 Claim. (Cl. 221—1)



As a new article of manufacture, a dispensing device of the class described comprising in combination, a vertical hollow tube, horizontally-disposed and aligned side arms secured to opposite sides thereof to form a cross, a closure cap on the lower end of said tube, the latter having an open upper end and being adapted to hold liquid, an internally-threaded sleeve within the upper end part of said tube, a nozzle member having a lower part in threaded engagement with said sleeve and an upper part projecting above the upper edge thereof, and a closure cap for fitting over said nozzle.

2,098,345
CONTROL CARD
Lawrence E. Lentz, New York, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1933, Serial No. 704,796
8 Claims. (Cl. 235—61.12)



1. A tabulating sheet having trapezoidal apertures arranged in vertical columns and horizontal rows and each having two opposite non-parallel sides, the apertures in adjacent columns being inverted.

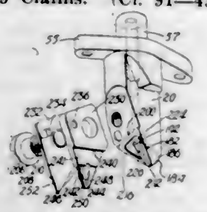
7. A control device of sheet material having locations for perforations in vertical columns and horizontal rows and having vertically tapering perforations formed at certain of said locations and relatively inverted in adjacent columns.

2,098,346
SHOE HEEL CONSTRUCTION
Robert D. MacDonald, Grosse Pointe Park, Mich.
Application February 12, 1936, Serial No. 63,484
2 Claims. (Cl. 36—36)



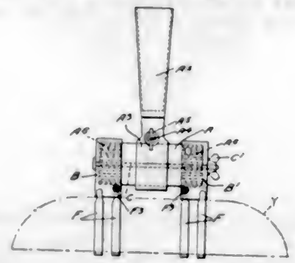
1. A shoe construction including, in combination, a relatively rigid heel member permanently secured to the shoe with which it is associated, said heel member having a channel of dovetail cross section formed in the bottom face thereof, said channel being of substantially uniform width and being substantially uniformly spaced from the marginal edge of the bottom face of said heel member, and a resilient heel member having a configuration substantially congruent to said permanent heel member, said resilient heel member having an endless ridge of dovetail cross section in the upper surface thereof adapted to seat within the channel formed in said permanent heel member to retain said resilient heel member in position with respect thereto with the lateral edges of said permanent and resilient heel members lying flush with each other.

2,098,347
NOZZLE FOR SHOE CHANNEL CEMENTING MACHINES
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 1, 1935, Serial No. 43,064
In Great Britain September 25, 1935
25 Claims. (Cl. 91—43)



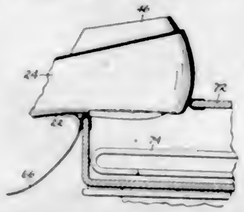
6. In a channel cementing machine, a nozzle having an end face, an outlet passage terminating in said end face, a cover member spaced from the nozzle and provided with a flat inner surface, and an apertured intermediate deflector the work-engaging end of which is provided with shoulders upon each surface, thereby together with faces of said nozzle and said cover to define two sets of lateral passages through which cement may be delivered to the channel flap and the channel bed.

2,098,348
HANDLE ADJUSTMENT FOR BROOMS AND SIMILAR IMPLEMENTS
Charles Frederick Mason and Hugh Charles Lewis Mason, Caversham, Reading, England
Application August 29, 1936, Serial No. 98,614
In Great Britain August 29, 1935
4 Claims. (Cl. 306—17)



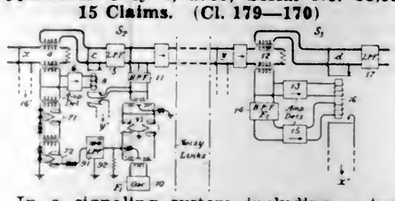
1. In an adjustable handle for brooms and like implements provided with a head, the combination of a horizontal supporting rod having external parallel serrations on the outer surface thereof, supporting brackets for the ends of the rod having internal serrations within the same, means for connecting the brackets to the head of the implement, a handle and receiving socket, and a clamp on the said socket adjustably mounted on the said horizontal rod.

2,098,349
PROCESS OF ATTACHING HEELS TO SHOES
Ralph S. Megathlin, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 31, 1935, Serial No. 47,622
3 Claims. (Cl. 12—147)



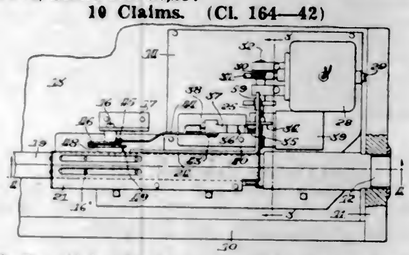
1. The method of attaching heels to shoes which comprises heating the heel seat of a shoe in order to render the same readily moldable, heating a heel which is to form a part of the shoe, applying a mass of thermoplastic adhesive to the attaching face of the heel, forcing the attaching face of the heel under heavy molding pressure against the heel seat of the shoe, and maintaining the molding pressure of the heel against the shoe in order to retain the heel seat in molded conformation until the thermoplastic adhesive has set.

2,098,350
CONTROL OF SIGNALING CIRCUITS
Doren Mitchell, Bound Brook, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 2, 1936, Serial No. 88,636
15 Claims. (Cl. 179—170)



1. In a signaling system including a transmitting section, a receiving section and an intermediate link, means associated with the transmitting section and responsive to signal energy therein for applying distinctive control energy to the system, and means for varying the magnitude of the applied control energy inversely with variation of the magnitude of said signal energy.

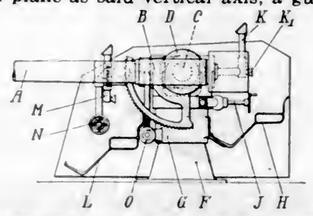
2,098,351
TICKET SEVERING MEANS
Raymond T. Moloney, Chicago, Ill.
Original application April 2, 1935, Serial No. 14,314, now Patent No. 2,046,084, dated June 30, 1936. Divided and this application May 28, 1936, Serial No. 82,237
10 Claims. (Cl. 164—42)



1. In a ticket issuer, an electric motor operable when energized, a shaft driven by the motor, a cam wheel carried on and driven by the shaft, a reciprocable member operable by means driven from said shaft, a pin wheel driven from the reciprocable member for engaging a perforated band of tickets to advance the same across a guide surface to a point of discharge, a knife blade fulcrumed adjacent one end for pivotal movement and held in inoperative position adjacent the band, means engaging the knife blade to hold the knife in such position, said last mentioned means including a member engaging and controlled by the cam wheel to cause release of the knife blade for movement to operative position to sever a ticket from the band, and a spring operatively associated with the knife blade and engaging same to press it to severing position when released.

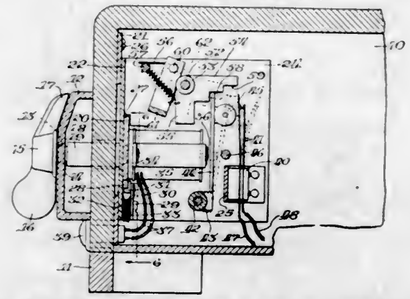
2,098,352
GUNS HAVING MEANS FOR HORIZON- ADJUSTMENT
Eduard Müller, Dusseldorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft, Dusseldorf, Germany
Application March 3, 1936, Serial No. 66,947
In Germany August 29, 1930
6 Claims. (Cl. 89—37)

1. A gun mounting for use on unsteady platforms, ships, and the like comprising an undercarriage capable of turning about a vertical axis for training adjustment, a saddle capable of horizontalizing turning movement in said undercarriage about a horizontal axis lying in the same vertical plane as said vertical axis, a gun cradle



capable of elevational adjustment in said saddle, and sighting means including an eye-piece arranged on said horizontalizing saddle with the eye-piece substantially coaxial with the horizontalizing axis.

2,098,353
SELECTOR
Frank G. Nicolaus and Charles J. Breitenstein, Chicago, Ill., assignors to Raymond T. Moloney, Chicago, Ill.
Application November 21, 1936, Serial No. 112,108
13 Claims. (Cl. 200—98)



1. A circuit selector adapted to be carried in a wall member, said selector comprising a bracket, a plate carried in the bracket for endwise movement, a handle element for moving said plate, a plurality of normally open switches carried adjacent the bracket, a cross shaft carried by the bracket between the plate and switches, a plurality of levers individually carried by said shaft for pivotal movement and each lever including switch engaging means to close an adjacent switch, an electromagnetic device carried by the plate and movable thereby to a position adjacent a lever without operating same, whereby when the electromagnetic device is subsequently energized a lever is moved to engage and close a selected switch.

2,098,354
METHOD OF MAKING FOOTWEAR
Frederick F. Olson, Belmont, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application November 20, 1934, Serial No. 753,885
4 Claims. (Cl. 12—142)

1. The method of making a high-heeled article of footwear which comprises providing a form of less width than that of a last of usual shape for the size of footwear being made and corresponding substantially in perimeter upon any plane of cross-section to the perimeter at a corresponding plane of cross-section of the last, and formed with

a high heel portion of a shape substantially corresponding to the final shape of the heel portion of the footwear, fitting a rubberized upper material upon the form and extending across the bot-



tom thereof and around the heel portion, removing the fitted article from the form and mounting it upon a last of the aforementioned shape, and completing the article of footwear.

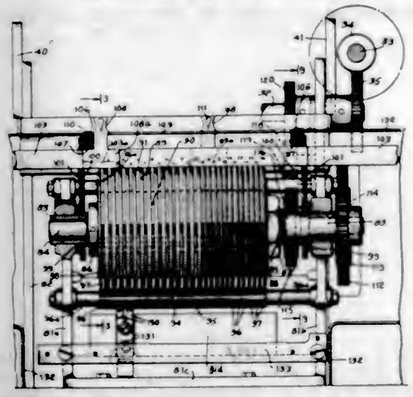
2,098,355

RECORD CONTROLLED MACHINE

Ralph E. Page, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 4, 1935, Serial No. 43,493

13 Claims. (Cl. 209—110)



1. A selecting commutator for record controlled machines comprising a series of rotatable contact devices; a series of slides manually movable transversely of the plane of rotation of the contact devices, said slides being arranged in an arc and wiped by the contact devices during their rotation; and means on the slides and movable therewith for preventing electrical contact with a predetermined number of the contact devices.

2,098,356

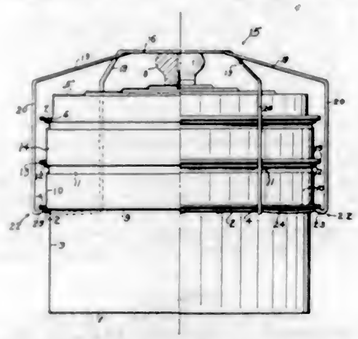
COMBINATION FOOD CONTAINER

Frederick F. Pfefferkorn and Carl A. Stevens, Carrollton, Ohio, assignors to The Carrollton Metal Products Company, a corporation of Ohio

Original application April 4, 1934, Serial No. 719,058. Divided and this application July 15, 1935, Serial No. 31,352

5 Claims. (Cl. 220—1)

1. In combination, a plurality of containers each having an outwardly flaring margin affording a laterally offset portion surrounded by an adjoining upstanding portion, said offset portion and upstanding portion constituting a shallow socket, said containers being adapted to be nested together with upper containers resting on the laterally offset portions and fitting within the upstanding portions of next lower sockets, a cover adapted to rest on the laterally offset portion and to fit within the upstanding portion of the uppermost container, a knob fastened to the top of the cover, a one-piece wire clip having inturned portions and an intermediate portion joining the inturned portions, said clip being engageable with the cover and the lowermost container, with the intermediate portion



extending over the cover and engaging the knob and with the inturned portions engaging the underside of the outwardly flaring margin of the lowermost container, the clip being out of substantially forceable engagement with any intermediate container, the clip being in sprung condition to maintain the ensemble tightly together, the clip being detachable by springing the inturned portions free from the outwardly flaring margin.

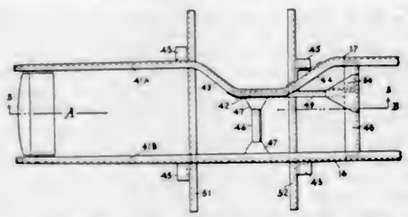
2,098,357

DELIVERY VEHICLE CHASSIS

George S. Piroumoff, New York, N. Y.

Application October 10, 1936, Serial No. 105,037

4 Claims. (Cl. 280—106)



1. In a motor driven vehicle provided with a demountable body equipped with a depending pit platform extending inwardly from a body side one step beneath the body floor level, the combination of a chassis comprising front and rear wheel axles suspending thereacross a pair of longitudinally continuous frame channels that respectively lie in spaced relation within the confines of their contiguous body sides, one such channel in the forward half of the wheel base being medially offset and laterally deflected toward its mate on a level lying above the wheel centers to accommodate the aforesaid platform, and means cross-bracing said frame channels, said means including bracket means depending from each such channel and an interconnected transverse beam extending crosswise beneath said channels and outwardly beyond said one channel to reenforcingly uphold said platform.

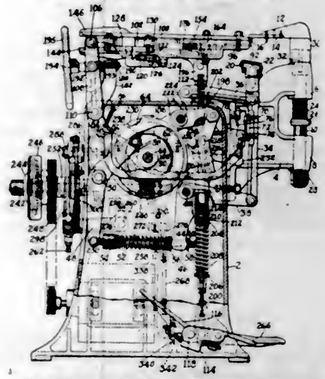
2,098,358

LASTING MACHINE

Arthur F. Pym, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 3, 1936, Serial No. 88,819

23 Claims. (Cl. 12—14)



1. In a lasting machine, wipers for wiping the margin of an upper inwardly over the bottom of a last around an end of the last, means movable by the operator thus to operate the wipers, and power-operated means comprising a cam-operated member for thereafter effecting relative movement of the wipers and the last heightwise of the last to cause the wipers to apply compacting pressure to the overwiped margin of the upper.

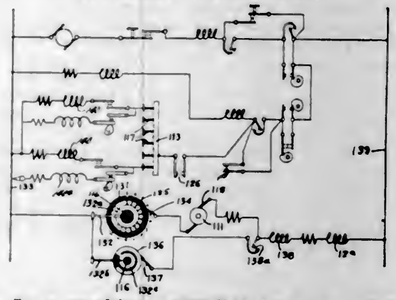
2,098,359

TABULATING MACHINE

Lynus Clyde Reynolds, Sweetwater, Tenn., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 5, 1930, Serial No. 500,234

10 Claims. (Cl. 235—61.7)



1. In a machine controlled by a record tape comprising spaced record fields each containing item designations and item classification designations, the combination of analyzing means for the item designations in the record fields, a second analyzing means for the classification designations adapted to sense the classification designations of each field a predetermined number of machine cycles prior to analysis of the same record field by the first analyzing means, means for feeding the tape to both analyzing means, means for rendering said second named analyzing means effective to sense only predetermined classification designations, accumulating mechanism controlled by the first named analyzing means, a device for rendering the first named analyzing means ineffective to control said accumulating mechanism; a rotary timing member rotated in synchronism with the feeding of the tape, said member having a plurality of elements, each settable to control the operation of said device, said elements corresponding in number to the number of machine cycles required for analysis of any given record field by both analyzing means; and means controlled by the second named analyzing means for setting one of said elements on the occurrence of classification designations which the second named analyzing means is effective to sense.

2,098,360

TEXTILE APPARATUS

Reginald Henry John Riley, Ralph Ashton, and Harold Livesey, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application August 20, 1935, Serial No. 36,942

In Great Britain September 3, 1934

7 Claims. (Cl. 118—62)



1. A cap spinning device provided with damping means said device comprising a non-rotary cap, a mass located in proximity to the head of said cap, and means for retaining said mass on said cap, said means permitting a limited movement of said mass with respect to the axis of said cap and resisting such movement.

2,098,361

RESIN PRODUCTION

Joseph Rivkin, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania

No Drawing. Application December 21, 1935, Serial No. 55,613

4 Claims. (Cl. 260—7)

1. The herein described selective recovery steps as practiced upon a solvent naphtha containing in solution alcohol soluble resinous products of a mixed reaction involving the polymerizables occurring initially in the solvent naphtha and a phenol to produce a phenol-modified coumarone resin and containing traces of an unspent acid catalyst, which recovery method comprises removing a portion of the resinous reaction products having greater alcohol solubility from solution in the hydrocarbon liquid by agitating with the solvent naphtha a water solution of a strong base in a quantity and concentration in excess of that adequate to effect neutralization in the liquid with consequent stratification into an aqueous layer containing resin of greater alcohol solubility and a solvent naphtha layer containing resin of lesser solubility, separating the two layers of diverse character, and individually recovering the resinous content of each.

2,098,362

CELLULOSE ACETATE COMPOSITION

Joseph Rivkin, Pittsburgh, Pa., assignor to The Neville Company, a corporation of Pennsylvania

No Drawing. Application November 27, 1936, Serial No. 113,011

4 Claims. (Cl. 106—40)

1. A composition of matter comprising a solution of cellulose acetate in an oily, viscous, alcohol

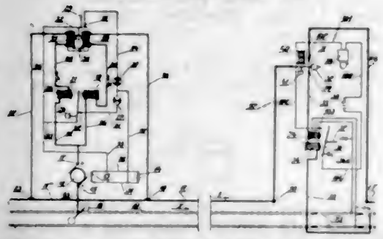
soluble fluid comprising the lower molecular weight, normally liquid products formed by polymerization and phenolic interreaction in a mixture of crude solvent naphtha and a phenolic reactive with production of an alcohol soluble resinous body containing distillation separable, alcohol soluble coumarone resin and said oily fluid.

2,098,363

RAILROAD SIGNALING DEVICE BASED UPON THE SPACING DUE TO THE SPEED

Raymond Arthur Tuot, Strasbourg, France, assignor to Société Auxiliaire d'Etudes Electrotechniques, Strasbourg, France

Application May 15, 1935, Serial No. 21,617
In France August 18, 1934
5 Claims. (Cl. 246—67)



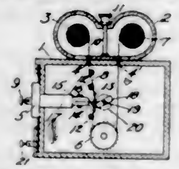
1. A signaling system for trains on railroads, comprising an electric generator with constant field on a train, said generator being driven in dependence on train speed, a connection from one terminal of the generator to ground through the wheels of the train, a sectionalized pilot wire of high resistance extending parallel to the rails, a shoe on the train contacting said pilot wire, track apparatus between consecutive sections of the pilot wire and comprising a contact device normally grounding the end of the pilot wire section contacting said shoe and operable upon sufficient increase of current in said section to connect the latter to the next section, an indicator on said train, a connection from the second terminal of the train generator to said shoe, and current responsive means in said connection for operating the indicator.

2,098,364

METHOD OF AND MEANS FOR TRANSMITTING, RECORDING, AND REPRODUCING SOUND

Joseph Tykocinski-Tykociner, Urbana, Ill.

Application May 11, 1929, Serial No. 362,446
8 Claims. (Cl. 179—100.3)



1. In combination, a photo-sensitive film, a source of actinic effect comprising a minute gas film, an electrode defining said gas film, another electrode guiding the motion of the photosensitive film, both electrodes being maintained substantially in contact with said film, means for pressing said electrodes against the sensitive film and means for impressing sound controlled variations of potential upon said electrodes for varying the intensity of the discharge.

2,098,365

POROUS HALOGEN CONTAINING RUBBER DERIVATIVES

Herbert A. Winkelmann, Chicago, and William C. Calvert, Oak Park, Ill., assignors to Marbon Corporation, a corporation of Delaware

No Drawing. Application September 5, 1935, Serial No. 39,220
4 Claims. (Cl. 18—53)

1. As a new article of manufacture, a solid, porous, flexible mass comprising a vulcanized halogen containing rubber derivative and having uniformly distributed pores of such size and amount as those present in rubber sponges.

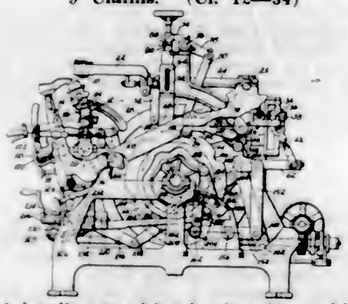
4. The method of making a porous, oil resistant, flexible mass which comprises heat treating a mixture of a rubber hydrochloride, a vulcanizing agent, and a blowing agent at a temperature and for a time sufficient to cure the halogen containing rubber derivative and decompose the expanding agent whereby a porous mass is produced.

2,098,366

LEVELING MACHINE

Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 7, 1936, Serial No. 89,365
9 Claims. (Cl. 12—34)



1. A leveling machine having, in combination, a shoe support, a leveling roll, means for effecting relative movement of said shoe support and leveling roll in directions lengthwise of the shoe to cause the leveling roll to operate along the bottom of the shoe, means for pressing the roll upon the shoe and for relieving the pressure at predetermined times in the cycle of operations of the machine, and means for varying the rate of relative movement of the shoe support and leveling roll in operating upon both the forepart and shank to control their relative positions at each and every time in the cycle when the pressure of the roll is relieved in operating on shoes of different styles.

2,098,367

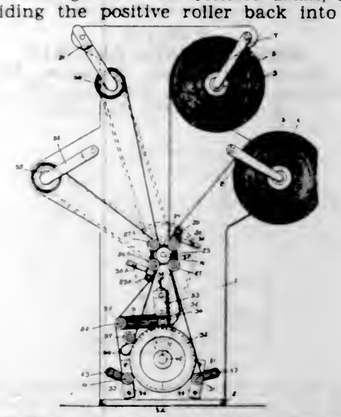
MOVING PICTURE FILM PRINTING MACHINE

Remsen V. Wood, Rochester, N. Y., assignor, by direct and mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application June 8, 1931, Serial No. 542,867
Renewed September 28, 1934
2 Claims. (Cl. 95—75)

1. In a moving picture printing machine the combination of a film sprocket adapted to have a positive and negative film mesh simultaneously therewith, a control drum adapted to have the positive film travel over the periphery thereof, an annular guide flange on said control drum,

a pressure roller, an annular ridge on the periphery of said pressure roller, said negative film being adapted to travel under said pressure roller to have said annular ridge make contact with the negative film and force said negative film into frictional contact with the positive film while traveling over said control drum, means for guiding the positive roller back into mesh



with said film sprocket and a guide roller adapted to guide the negative film at a slight angle away from said pressure roller to slightly turn the film under the annular ridge of said pressure roller and force one edge of the negative film against said guide flange of said control drum into alignment with the corresponding edge of the positive film at the point of contact between the two films on said control drum.

2,098,368

MANIFOLDING ATTACHMENT FOR WRITING MACHINES

Hans Ziegler, Zollikon-Zurich, Switzerland

Application January 23, 1936, Serial No. 60,424
In Switzerland March 28, 1935
3 Claims. (Cl. 197—126)



1. A device on typewriters for making copies by means of auxiliary ribbons consisting of a rod mounted on the platen-carriage of the typewriter, at least one support to be attached to said rod, a shaft revolvably mounted in lateral parts of said support, said shaft consisting of two parts joined and guided by a piece of tube containing a helical spring between the ends of said joined two parts, the latter being pushed away from each other under the action of said spring, said axial displacement of said two parts being limited by keys inserted in said tube, the exterior ends of said shaft each possessing an arm curved corresponding to the circumferential curving of the platen, the free end of said arm being adapted for supporting an auxiliary ribbon provided with end-pieces.

2,098,369

PIPE HANDLING TOOL

Lawrence F. Baash, Los Angeles, Calif.

Application June 21, 1935, Serial No. 27,753
1 Claim. (Cl. 81—186)

In a tool for gripping pipe and like objects, a jaw part having a groove in its active face, the groove including a portion spirally curved in one direction and a portion spirally curved in the other direction, and a die comprising spirally curved sections fitted in the said portions of the groove



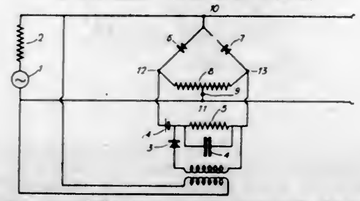
to be in end to end relation, and gripping teeth on the sections spirally curved to substantially follow the margins of their respective sections and extend both axially and circumferentially of the object or pipe being gripped.

2,098,370

AUTOMATIC CONTROL OF AMPLIFICATION

Hans Bartels, Berlin-Spandau, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 28, 1935, Serial No. 47,089
In Germany November 5, 1934
9 Claims. (Cl. 179—100.1)



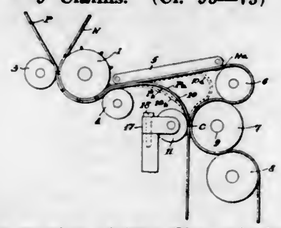
1. An amplification ratio control device including a bridge element comprising a resistor and a pair of rectifiers, a pair of terminals connected to said bridge element respectively at a point between said rectifiers and to an intermediate terminal of said resistor, and means operable to apply to the end terminals of said resistor a potential which varies as the volume of the signal supplied to said terminals.

2,098,371

PRINTER

Alda V. Bedford, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 29, 1933, Serial No. 704,436
9 Claims. (Cl. 95—75)



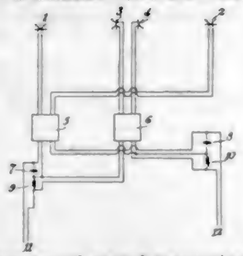
9. In a moving picture film printing machine the combination of a film sprocket for simultaneously feeding the positive and negative films from their respective supply reels, a rotatable drum spaced from said film feeding sprocket, a pair of film guiding members for guiding one of said films around the drum and in frictional contact

therewith, a pressure roller of smaller diameter than said drum under which the other film is passed, and by which it is forced into frictional contact with the first said film on said drum, at an angle to the direction of the movement of the films after leaving said feeding means in order to form a loop in said other film which stretches the emulsion side of the said other film before making contact with the first named film, thus causing both films to travel at a constant speed at their point of contact regardless of any changes in the length of said other film and means for photographically printing the negative film onto the positive film at their point of contact.

2,098,372
SOUND-TRANSMISSION, SOUND-RECORDING, AND SOUND-REPRODUCING SYSTEM

Alan Dower Blumlein, West Ealing, London, England, assignor to Electric & Musical Industries, Limited, Blyth Road, Hayes, England

Application October 31, 1934, Serial No. 750,898
In Great Britain October 23, 1933
2 Claims. (Cl. 179—1.2)

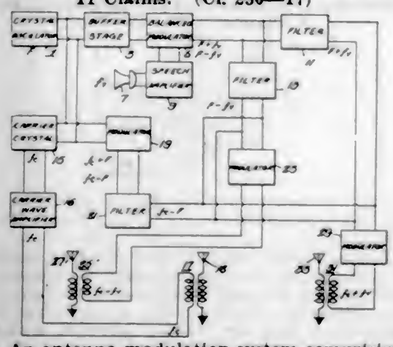


1. In a system of sound transmission comprising a plurality of microphones connected to a plurality of loud speakers, two comparatively closely spaced microphones adapted to pick up high frequency sounds, two more widely spaced microphones adapted to pick up sounds of lower frequencies, and means in the circuits from each pair of microphones adapted to transmit differences of phase between the impulses received from the microphones, over at least part of the frequency range being dealt with, as differences of loudness in the loud speakers.

2,098,373
ANTENNA CIRCUIT MODULATION

George H. Brown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 16, 1936, Serial No. 90,825
11 Claims. (Cl. 250—17)

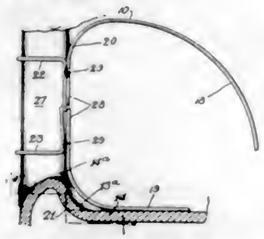


1. An antenna modulation system comprising a plurality of antennas, means for impressing an unmodulated carrier current on one antenna, means for impressing an upper side band current on a second antenna, means for impressing a lower side band current on a third antenna, and means for minimizing radiation coupling between said antennas.

2,098,374
SINK STRAINER BRACKET

Charles H. Bullock, Evanston, Ill.

Application January 8, 1936, Serial No. 58,086
3 Claims. (Cl. 248—94)

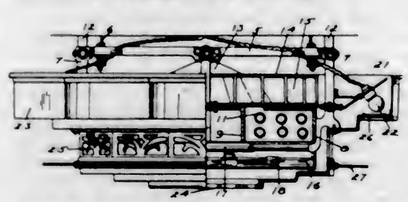


2. A bracket for removably receiving and supporting a conventional sink strainer of substantially triangular form in one of the vertical corners of a conventional sink and with its bottom spaced above the bottom of the sink, comprising a body fashioned from a metallic strand and having two angularly related spans which are projected at substantially right angles from a common center and an arcuate span connecting the remote ends of said two spans whereby to receive said strainer perimetrically adjacent the top thereof, and a pair of spaced engagement members extending laterally from one of said two spans and spaced from said common center sufficiently to avoid the usual up-curve at the juncture of the top of the sink side and the sink back so that said two right angularly related sides of the bracket may fit closely within the vertical corner formed at such juncture in the sink.

2,098,375
SPACE CONDITIONER

Lachlan W. Child, South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware

Original application June 8, 1934, Serial No. 729,544. Divided and this application May 22, 1936, Serial No. 81,230
3 Claims. (Cl. 257—1)

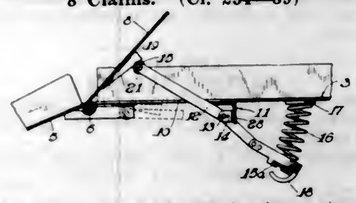


1. A space conditioner comprising a casing having an air inlet opening in its lower portion and an open top, heat transfer means in the casing, a fan in the casing to circulate air from the space therethrough, an annular air deflector mounted in the casing adjacent the top thereof with its radially inward edge below the fan outlet, and a light source between said deflector and the casing for distributing light to the space.

2,098,376
CHOCKING DEVICE FOR VEHICLE LIFTS

James M. Cunneen, Jersey City, N. J., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application August 23, 1934, Serial No. 741,040
8 Claims. (Cl. 254—89)

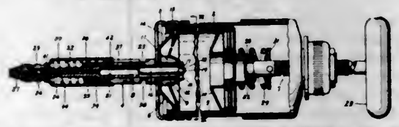


3. In a motor vehicle lift having a track arranged to be raised and lowered, a ramp pivoted adjacent one end of the track, a chock member independently pivoted coaxially with said ramp and an operating member for said chock member comprising a lever pivoted intermediate its ends with one end adapted to engage the chock and move it into operative position as the track is raised and the other end adapted to engage the ground to move said first end in a direction away from the chock as the track is lowered.

2,098,377
LUBRICATING DEVICE

Adiel Y. Dodge, South Bend, Ind., and Harry R. Tear, Evanston, Ill., assignors to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware

Application May 26, 1934, Serial No. 727,604
8 Claims. (Cl. 221—47.4)



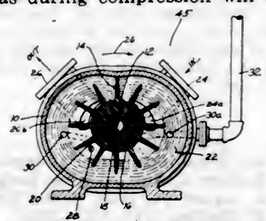
1. A lubricating device comprising, in unit assembly, a high pressure pump having a piston, a low pressure lubricant supply source for said pump including an interchangeable lubricant supply cartridge having a discharge outlet and quick detachable means to secure said cartridge to the pump with its outlet in communication with the pump inlet, means adapted to be moved into operative relationship with said cartridge for placing the lubricant in said cartridge under low pressure, and means operable at will for retaining the pump parts in such relationship as to provide minimum lubricant space between the cartridge outlet and the discharge port of the pump from which lubricant may be discharged during the immediately succeeding pump cycle, said space being less than the displacement of said pump piston.

2,098,378
AIR-CIRCULATING EQUIPMENT

Adiel Y. Dodge, South Bend, Ind.

Application November 8, 1934, Serial No. 752,042
13 Claims. (Cl. 261—28)

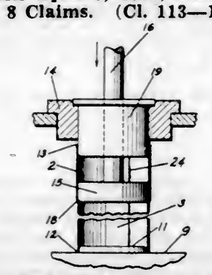
11. An air conditioning compressor and expander comprising a non-circular casing, a vaned rotor in said casing closely approaching the casing at two points, and gas inlet and outlet ports in the casing on opposite sides of each of said two points whereby gas admitted through said inlet port will be compressed and then expanded before being discharged through said outlet port whereby at least a part of the energy absorbed by the gas during compression will be returned to the rotor thereby during expansion and means to cool the compressed gas prior to its expansion.



2,098,379
LUBRICATING DEVICE AND METHOD OF MANUFACTURE

Adiel Y. Dodge, South Bend, Ind., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application April 5, 1935, Serial No. 14,792
8 Claims. (Cl. 113—120)

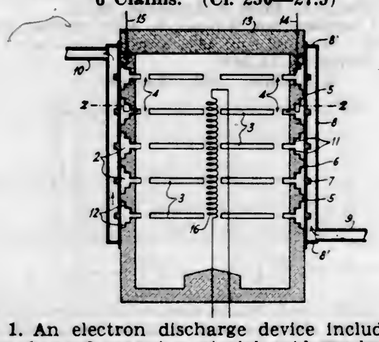


1. The method of forming a sheet metal cylinder which comprises, rolling a relatively thin rectangular metal sheet into the form of a cylinder, joining the adjacent edge portions of said sheet in a seam, and forcing a planishing tool axially through said cylinder to smooth out the irregularities in the inner side wall of the cylinder and to assure uniform inside diameter thereof and to reduce to a negligible amount the irregularity resulting from the seam.

2,098,380
GAS DISCHARGE DEVICE

Alfred Engelmann and Günther Wolf, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

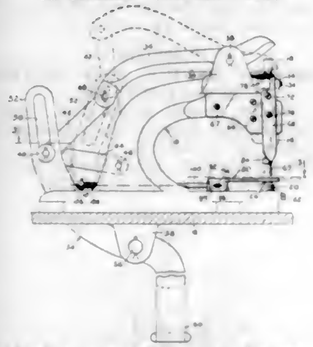
Application July 13, 1937, Serial No. 153,328
In Germany July 19, 1936
6 Claims. (Cl. 250—27.5)



1. An electron discharge device including an envelope of ceramic material, said envelope having a slot extending through the wall of said en-

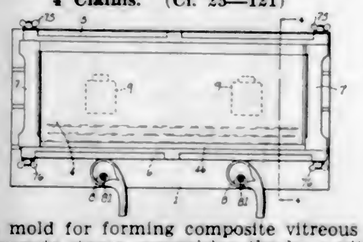
velope, a metallic electrode positioned on the outside of and sealed to said envelope and closing said slot, a thermionic cathode filament within said envelope and a control electrode supported in the wall of said envelope in registry with said slot and out of contact with the electrode outside of said envelope.

2,098,381
SAFETY DEVICE
Harry A. Fine, Flushing, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application August 14, 1935, Serial No. 36,160
18 Claims. (Cl. 192—130)



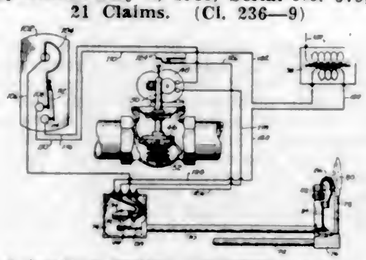
1. Apparatus comprising a frame, a tool mounted in said frame for movement to retracted position and to work-engaging position, and releasable means for preventing movement of said tool to work-engaging position, said means comprising a member in fixed relation to said tool and movable therewith, a stop member pivotally mounted on said frame in the path of movement of said first member to engage the latter and thereby prevent movement of said tool to work-engaging position and movable out of said path to permit movement of said tool to work-engaging position, and a lever pivotally mounted on said frame and having an operative connection with said stop member for moving the latter out of said path, said lever having a slot and said connection comprising a stud fixed to said stop member and projecting into said slot for engagement with said lever, said stud having limited movement in said slot to limit the movement of said stop member.

2,098,382
MOLD FOR MANUFACTURING COMPOSITE VITREOUS TILE AND CONCRETE STAVES
Percy C. Fish, Kalamazoo, Mich.
Original application August 1, 1931, Serial No. 554,430. Divided and this application July 17, 1935, Serial No. 31,789
4 Claims. (Cl. 25—121)



1. A mold for forming composite vitreous tile and concrete staves, comprising the base with a stop rail at the rear, a rear mold rail having a groove for forming a tongue, a front mold rail having a rib for forming a groove, end mold bars having clamps for forming a frame to cooperate with a vitreous tile having rib projections to engage said stop rail and front rail to position and hold the said rails in proper spaced relation to said vitreous tile, eccentric clamps for clamping the said positioned tile and mold against the stop rail, and a vibrator to agitate the concrete into place.

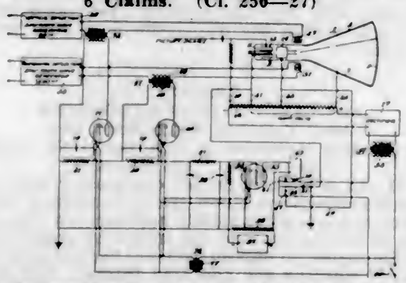
2,098,383
HEATING SYSTEM
Francis A. Furlong, Chicago, Ill., assignor to Autogas Corporation, Chicago, Ill., a corporation of Delaware
Application July 8, 1933, Serial No. 679,521
21 Claims. (Cl. 236—9)



1. A heating system comprising a room-temperature control device having a first thermostatic switch set for a lower limit and a second thermostatic switch set for an upper limit and having an intermediate range, a heating plant having a combustion chamber, an electrical device controlling the operation of said plant, a third thermostatic switch controlled by the combustion chamber temperature, and an electrical control system for said electrical device having parallel circuits one of which includes the first and second thermostatic switches and the other of which includes the second and third thermostatic switches, together with a pilot-controlled safety switch automatically operable to open both circuits if the pilot of said plant goes out.

14. A safety pilot comprising in combination a pilot burner, a temperature responsive means located in proximity to said burner, and means positioned to divert a portion of the flame issuing from said burner on to said temperature responsive means and which means encircles and protects one side of the temperature responsive means.

2,098,384
PROTECTIVE SYSTEM
Robert R. Goodrich, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 19, 1934, Serial No. 726,442
6 Claims. (Cl. 250—27)

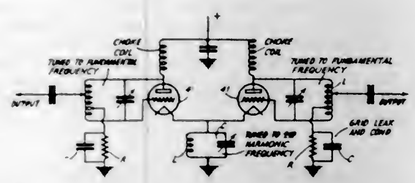


1. In combination, a cathode ray tube having a fluorescent screen, means within the tube for developing a cathode ray and directing it toward the screen, means for deflecting the ray across the screen according to a pre-determined recurrent pattern, a ray-accelerating anode within the tube, connections for supplying a potential to the anode and means for depriving the anode of potential and connecting it to ground upon failure of the ray-deflecting means.

2,098,385
RECLAIMING METHOD
Fred W. Hall, Nutley, and Norman R. Wilson, Belleville, N. J., assignors, by mesne assignments, to The Stamford Rubber Supply Company, Stamford, Conn., a corporation of Connecticut
No Drawing. Application September 30, 1936, Serial No. 103,368
2 Claims. (Cl. 106—23)

1. The method of cyclically reclaiming and reducing to a fine powder rubber like scrap whether raw or vulcanized, natural or synthetic which consists in bringing together said scrap and a quantity of vulcanizable oil; then effecting a vulcanization of said oil to solidify it and form together with said scrap a large cake; then progressively abrading away the major portion of said cake, then again treating as scrap the residual portion of said cake as aforesaid with fresh quantities of vulcanizable oil; and continuing the sequence of operations.

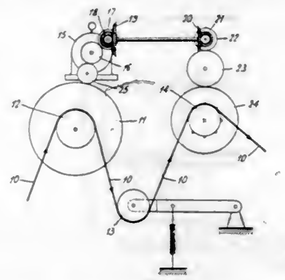
2,098,386
OSCILLATION GENERATOR
Clarence W. Hansell, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 1, 1933, Serial No. 683,115. Divided and this application May 24, 1935, Serial No. 23,171. In Canada June 29, 1934
13 Claims. (Cl. 250—36)



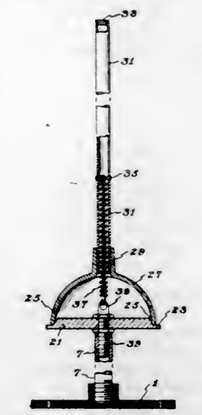
1. The method of obtaining a desired phase relation between the outputs of a plurality of electric tube oscillators which comprises utilizing harmonic frequency energy to produce a degenerative effect in said oscillators at phase relations other than the desired relation.

2,098,387
FILM DRIVE MECHANISM
Adolf Heine, Berlin-Zehlendorf, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application May 1, 1935, Serial No. 19,137
In Germany July 25, 1934
10 Claims. (Cl. 271—2.3)

1. The combination of a film drive mechanism, a film driven flywheel, and means operable to couple said flywheel to said mechanism a fixed time interval after initiating the operation of said mechanism.



2,098,388
DEFLECTABLE ANTENNA
Leo J. Hruska, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1935, Serial No. 52,313
5 Claims. (Cl. 250—33)

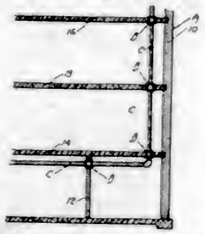


1. A deflectable antenna comprising a fixed section, a deflectable section, a base member mounted on one of said sections, a cup shape member mounted on the other of said sections, and a spring under tension for firmly engaging said base and cup shape members, the relative shape and junction of said members being such as to insure a good high frequency contact and to exclude moisture.

2,098,389
ADJUSTABLE PIPE SLEEVE WITH FLOOR AND CEILING PLATE
J Howard Hutchison, Enfield, Pa.
Application June 11, 1937, Serial No. 147,635
5 Claims. (Cl. 72—105)

1. A pipe sleeve adapted to be inserted in the space defining the floor prior to the pouring of concrete which comprises a sleeve having its curved bounding surface threaded, a complementary interfitting sleeve with threads upon its curved bounding surface whereby the sleeves may

be screwed together in order to extend or contract the length of the sleeve, a paper tube surround-



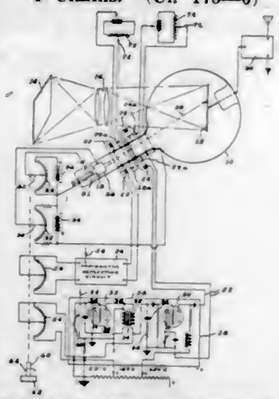
ing the curved bounding surface of the interfitting sleeve parts.

2,098,390

TELEVISION TRANSMITTING APPARATUS

Harley Iams, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 26, 1934, Serial No. 727,763
4 Claims. (Cl. 178—6)



1. In television transmitting apparatus, a scanning device for developing picture signals comprising a tube provided with screen structure and with means for developing a cathode ray and directing the same at said structure, means for varying the intensity of the ray, means for deflecting the ray through a given angle in one direction and means for deflecting the ray simultaneously through a given angle in another direction to cause the ray to scan a given area of the surface of said screen structure, control means for varying the angle of ray-deflection by said first-named ray-deflecting means, control means for varying the angle of ray-deflection by said second-named ray-deflecting means, and means common to said two control means and said means for varying the ray intensity to actuate the same simultaneously and in such sense to cause either simultaneous increase in both angles of ray-deflection and increase in the ray-intensity or simultaneous decrease in both angles of ray-deflection and decrease in the ray-intensity.

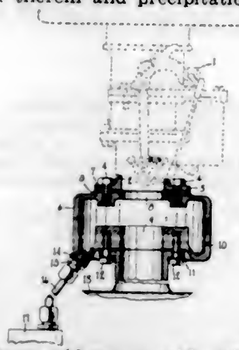
2,098,391

GASOLINE SAVER

Ward M. Irvin, Battle Creek, Mich.

Application January 2, 1936, Serial No. 57,095
5 Claims. (Cl. 183—107)

5. In a device of the type described, a hollow casing having inlet and outlet openings, said inlet and outlet openings being in register and the passageway between said inlet and outlet openings being unobstructed, said casing being of substantially greater diameter than said inlet and outlet openings permitting expansion of gasoline vapor therein and precipitation of gasoline



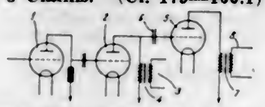
particles from said vapor, said casing communicating freely with the space between said openings through an annular passage of substantial area, a well in said casing to collect the precipitate, and means to drain the precipitate from said well.

2,098,392

SOUND TRANSMITTING SYSTEM

Ernst Kammerer, Berlin-Tempelhof, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany

Application August 3, 1935, Serial No. 34,516
In Germany July 14, 1934
3 Claims. (Cl. 179—100.1)



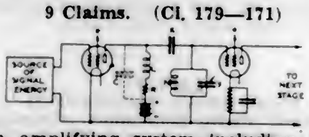
1. A sound-transmitting system including a main loudspeaker and a monitoring loudspeaker, an amplifier for actuating the main loudspeaker, a driving amplifier for actuating said first amplifier, and an amplifier having a higher gain than the first of said amplifiers connected to said driving amplifier for actuating said monitoring loudspeaker.

2,098,393

COUPLING ARRANGEMENT

Ernst Klotz and Erich Zepler, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 14, 1932, Serial No. 611,259. Renewed August 17, 1934. In Germany July 2, 1931
9 Claims. (Cl. 179—171)



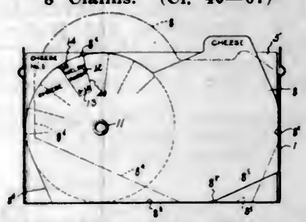
1. An amplifying system including a circuit tuned to signal frequency and an inductance coupled to said tuned circuit, said inductance together with its associated capacities determining a natural frequency less than, but not greatly less than, the lowest frequency to which said tunable circuit may be tuned, the value of the coupling between said inductance and tuned circuit being of the order of twenty percent, and means for increasing the resistance of said inductance sufficiently to make the power factor of said inductance too poor to permit of sharp resonance effects at the said lower frequency.

2,098,394

RECIPE FILE

Herbert G. Lane, New York, N. Y., assignor to Oxford Filing Supply Co., a partnership comprising Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas, New York, N. Y.

Application December 2, 1936, Serial No. 113,781
8 Claims. (Cl. 40—67)



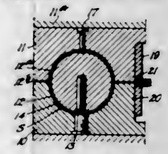
1. An index device as described comprising a card, having a bottom which comprises two portions extending at an angle to each other whereby the card may be oscillated by depressing opposite ends thereof, said card having a window therein and an indicator movably mounted thereon in back of the window.

2,098,395

PROCESS OF AND APPARATUS FOR MOLDING HOLLOW RUBBER ARTICLES

James Allan Law, Kensington, Victoria, Australia

Application August 16, 1934, Serial No. 740,128
In Australia August 24, 1933
4 Claims. (Cl. 18—42)



1. Mold devices for plastic rubber comprising two co-operating parts having spaced apart cavities in registry, means to support a core centrally in each cavity of one of the mold parts, a wall on one mold part entirely surrounding the area of the mold and projecting beyond the said mold part to close the space between the said mold parts while they are in spaced apart position and apertures in said wall, and means in the other mold part to engage the cores to cause the adjacent faces of the mold parts to be spaced apart a short distance when the molds are closed to their most adjacent position and when the mold parts are in such position the apertures in the wall register with the space between the said parts.

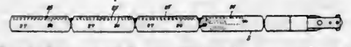
2,098,396

AIR CONDITIONING METHOD AND APPARATUS FOR PASSENGER CARS

Leo L. Lewis, Plainfield, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application January 12, 1933, Serial No. 651,287
14 Claims. (Cl. 62—117)

1. The method of conditioning air for a passenger car train which consists in chilling a cooling fluid in a master car and conducting said fluid by means of conduits from the master car to the passenger cars in the train, shunting



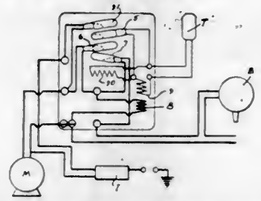
the fluid from said conduits to a cooler in each passenger car in the train, and drawing the air to be cooled over said cooler and discharging said cooled air into the car.

2,098,397

ELECTRICAL CONTROL

Ira E. McCabe, Chicago, Ill.

Original application March 20, 1933, Serial No. 661,759. Divided and this application November 11, 1935, Serial No. 49,224
6 Claims. (Cl. 158—28)



3. In combination with a motor operated fuel feeding mechanism and ignition means, a control system therefor including a motor circuit, a normally open motor switch in said circuit, a relay for closing the motor switch in said motor circuit, a secondary circuit for controlling the operation of said relay and including therein a room thermostat, an ignition device connected in parallel with the motor circuit, a normally closed ignition switch in the ignition circuit, a temperature responsive mechanism operable when heated by the combustion of the fuel to open the ignition switch, means normally locking the ignition switch when opened by said temperature responsive means, a thermal release for the locking means, an electrically operated heater therefor in the relay secondary circuit and an electrical resistance element in series therewith, the combined resistances of heater and element being such as to prevent sufficient energization of the relay to close the motor switch upon establishment of the secondary circuit, a shunt circuit about said electrical heater, a normally closed release switch in the shunt circuit operatively connected with the ignition switch to move therewith to open the shunt circuit with the opening of the ignition circuit whereby upon subsequent energization of the secondary circuit the thermal release releases the locking means to permit the ignition and release switches to close when the combustion responsive means attains its normal cold position, a second shunt circuit about both resistances including a switch normally open and adapted to be closed by the combustion responsive mechanism upon the establishment of combustion before the release switch is opened.

2,098,398

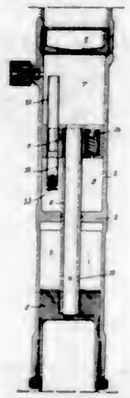
SHOCK ABSORBER

Jean Mercier, Neuilly-sur-Seine, France

Application March 12, 1936, Serial No. 68,492
In France March 19, 1935
14 Claims. (Cl. 267—64)

1. In a damping device, in combination, a container, fluid compressing means provided with two opposite walls adapted to be moved towards and away from each other, communicating means between said container and said fluid compressing

ing means, whereby said fluid compressing means is adapted to discharge fluid into said container and to receive fluid from said container when said opposite walls are moved with relation to each other, intercepting means frictionally connected to one of said opposite walls and adapted to be controlled by the other of said walls after a relative displacement between said opposite walls from their initial relative position corresponding to a portion of their maximum relative displacement and adapted to close said communi-



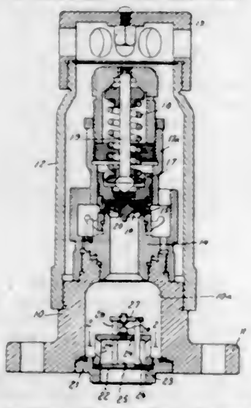
cating means after said portion of the maximum relative displacement and to open said communicating means as soon as said opposite walls are returned towards their initial relative position, a check valve in said communicating means adapted to check the circulation of the fluid only in one direction in said communicating means, and a small passage between said container and said fluid compressing means permanently allowing a reduced circulation of fluid between said container and said fluid compressing means.

2,098,399

CHEMICAL MANUFACTURE

Horace D. Munson, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application December 4, 1935, Serial No. 52,783
8 Claims. (Cl. 220—89)



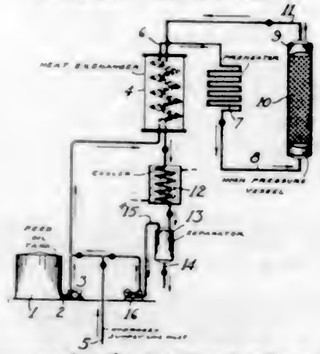
1. A protective device for closing a passage against the flow of a fluid under pressure which comprises a rupturable diaphragm closing said passage and exposed on one face to said fluid, and means normally out of contact with said fluid for supporting said diaphragm against rupture, said means including a supporting element in contact with the other face of said diaphragm and movable upon rupture thereof, and a frangible member operatively connected to said supporting element and normally preventing movement thereof by said diaphragm, said member being subjected to a pulling strain by the pressure of the fluid acting through said element.

2,098,400

PROCESS FOR HYDROGENATING DISTILLABLE CARBONACEOUS MATERIALS

Mathias Pier, Heidelberg, and Walter Simon and Walter Kroenig, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

Application December 22, 1932, Serial No. 648,436
In Germany January 2, 1932
3 Claims. (Cl. 196—53)



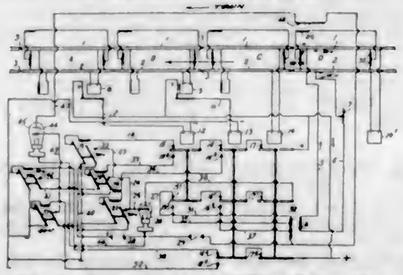
1. A process for the treatment with a hydrogenating gas of a distillable carbonaceous material which comprises treating the said carbonaceous material with the said gas at a temperature between 250 and 700° C. and under pressure of at least 20 atmospheres while in contact with a catalyst comprising a mixture of tungsten sulphide and manganese bromide.

2,098,401

AUTOMATIC RAILROAD SIGNALING AND CONTROL SYSTEM

Charles William Walker Prescott, Pymble, Australia

Application September 15, 1934, Serial No. 744,233
17 Claims. (Cl. 246—6)



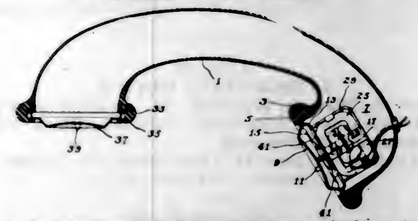
1. An electric system of railroad signaling incorporating a plurality of segregated successive track circuits, means for circulating two electric currents in each of said track circuits, one of said currents having a frequency which is dependent upon and variable with the length, up to a predetermined maximum length, of clear track ahead of that circuit, and the other of which currents having a frequency which is dependent upon and variable with the overall physical conditions affecting train speed of the said length of clear track, operating in combination with means, carried by a rail vehicle moving over one of said track circuits for separately picking up by induction said two currents in that track circuit, and an indicating instrument, carried by said vehicle, which is operated by said two induced currents in combination.

2,098,402

TELEPHONE APPARATUS

Carl N. Reifsteck, Haddonfield, and Glenn L. Dimmick, Oaklyn, N. J., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 1, 1933, Serial No. 700,484
2 Claims. (Cl. 179—103)



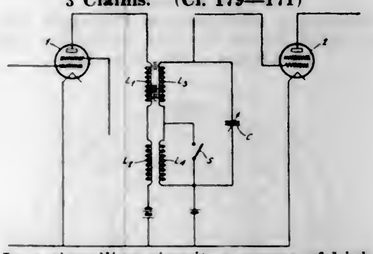
1. A telephone unit comprising a hollow tube of resilient material and shaped to have a mouthpiece at one end and an earpiece at the other end, a diaphragm located in said tube and positioned transversely thereof, and a single reversible electro-mechanical unit having an armature connected to said diaphragm, said unit also being located inside said tube and being resiliently supported thereby.

2,098,403

HIGH FREQUENCY COUPLING ELEMENT

Herre Rinia and Theodorus Anthonius Spoor, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application August 28, 1934, Serial No. 741,784
In Finland July 4, 1929
3 Claims. (Cl. 179—171)



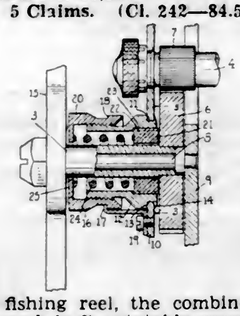
3. In a signalling circuit, a source of high frequency voltage including a first electronic tube provided with an anode and a cathode, a utilizing circuit including a second electronic tube, input terminals for said utilizing circuit, a coupling system provided with segregated alternating current and direct current paths, said coupling system including a coil, a connection between one terminal of the coil and the anode, a circuit connecting the other terminal of the coil to the cathode of the first tube, and a second coil connected across the input terminals, said second coil being provided with a shunt tuning condenser, capacity between said first and second coils through which alternating current is transferred from the source to the utilizing circuit, mutual inductance between said coils of such polarity and magnitude that current flowing in the second coil induces a voltage in the first coil which is substantially equal and opposite to the voltage impressed across the first coil by virtue of its connection across the anode and cathode of said first tube whereby alternating current is prevented from flowing in the circuit connecting the first coil to the cathode of the first tube.

2,098,404

FISHING REEL

William Shakespeare, Jr., Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich.

Original application March 21, 1935, Serial No. 12,138. Patent No. 2,035,279, dated March 24, 1936. Divided and this application March 14, 1936, Serial No. 68,820
5 Claims. (Cl. 242—84.5)



1. In a fishing reel, the combination with a frame, a crankshaft rotatably mounted on said frame, and a gear mounted on said crankshaft, of a collar surrounding said crankshaft in spaced concentric relation, an annular brake member splined in said collar for coaction with the side of said gear, a coiled compression spring surrounding said crankshaft, a brake adjusting member threaded on said collar and bearing against said spring for urging said brake member into braking engagement with said gear through said spring, the adjusting member having an external annular recess, and a stop fixed to said frame for coaction with said last named recess to limit the movement of said adjusting member on said collar.

2,098,405

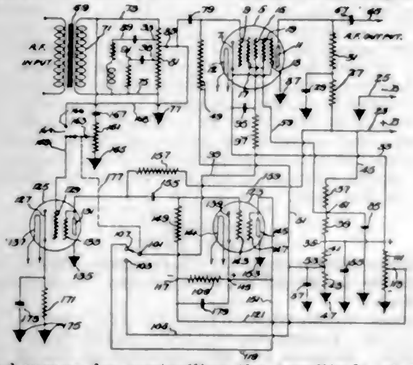
DYNAMIC AMPLIFIER

Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,982
12 Claims. (Cl. 178—44)

1. In a volume expander system for audio frequency signals, an electric discharge amplifier device having two independent control grids in the space path thereof, means for applying audio frequency signals to be amplified to one of said control grids, volume control means for said signals interposed in circuit between said last named means and said one of said control grids, a signal rectifier device having an output resistor, means providing a series bias supply connection for the second control grid through said output resistor, means including a series resistor and a by-pass capacitor between the second control grid and the cathode providing a filter in said connection, a buffer amplifier including an elec-

tric discharge amplifier device coupled to said rectifier, means for applying audio frequency signals to said rectifier through said amplifier,



and means for controlling the amplitude of said last named signals independently of said first named volume control means.

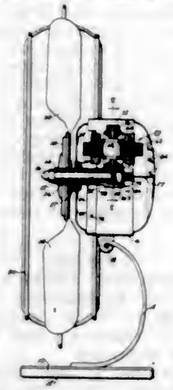
2,098,406
GAME APPARATUS
Vincent F. Slezak, Chicago, Ill., assignor to A. B. T. Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 15, 1935, Serial No. 21,492
5 Claims. (Cl. 273—121)



5. Amusement apparatus including a pair of reels and a flexible element attached to the same and adapted to be wound back and forth thereon responsive to turning of the reels in opposite directions, a manikin mounted on said flexible element for movement therewith, driving mechanism operable to turn a particular one of said reels to wind said flexible element thereon, releasable latching means normally preventing retrograde movement of said particular reel, energy storing means adapted to be energized responsive to the winding movement of said particular reel and adapted when said latch means is released to releasably wind-in said element from said particular reel, together with control means for releasing said latching means, and means for operating said driving mechanism to turn said particular reel to move said flexible element in the manner aforesaid.

2,098,407
VENTILATING FAN
Marshall A. Smith, Jr., South Bend, Ind., assignor, by mesne assignments, to Air Devices Corporation, Chicago, Ill., a corporation of Delaware
Application June 8, 1936, Serial No. 84,012
7 Claims. (Cl. 230—272)

1. A fan having a driving motor including a driving shaft, a substantially horizontal supporting shaft projecting below said motor at right angles to the driving shaft in one plane and at an angle in another plane and so constructed and arranged that the center of gravity of the motor is positioned directly above the supporting shaft, driving means between the driving and supporting shafts, a bladed fan resiliently supported on the supporting shaft, a casing surrounding the



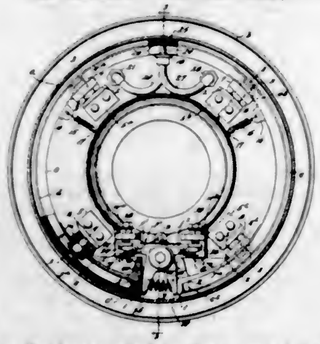
motor, and resilient means supporting the motor in the casing.

2,098,408
LUBRICATING DEVICE
John A. Watson, Hinsdale, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application June 11, 1934, Serial No. 730,005
9 Claims. (Cl. 221—47.3)



1. A cartridge of the character described comprising a hollow imperforate cylindrical body, a piston slidably mounted in said body in sealing engagement with the side wall thereof completely around its circumference, and means secured to the body side wall and movable toward and away therefrom and engageable with said piston for locking the piston against rearward movement in the body subsequent to the advance of the piston inwardly of the body beyond said means.

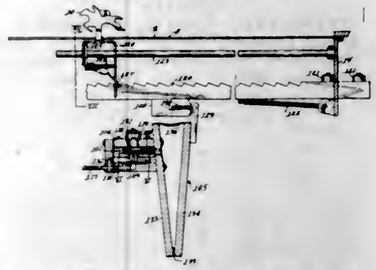
2,098,409
VEHICLE BRAKE
Richard A. Whittingham, Perryville, Md.
Application March 29, 1934, Serial No. 718,067
19 Claims. (Cl. 188—152)



1. In a fluid operated brake, a rotatable brake drum, a brake shoe support, a resilient tubular

brake shoe within the drum and endwise movable on the support, means for forcing fluid into the shoe, means associated with the shoe for causing the shoe to expand radially into contact with the drum by the fluid pressure in the shoe, and a stop on the support for limiting the endwise movement of the shoe.

2,098,410
MECHANICAL GAME APPARATUS
Homer S. Williams, Youngstown, Ohio, assignor to Pace Manufacturing Company, Inc., Chicago, Ill., a corporation
Application May 25, 1934, Serial No. 727,505
34 Claims. (Cl. 273—86)

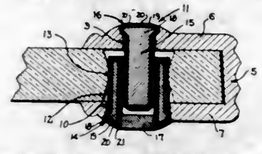


1. A game apparatus comprising a raceway formed with starting and finishing ends, a plurality of racing objects positioned for longitudinal movement over said raceway, pneumatically actuated means provided in connection with said objects for moving them over said raceway, means including a tracker bar and a perforated strip associated with said pneumatically actuated means for controlling the operations of said pneumatically actuated means, valve means associated with said pneumatically actuated means and positioned at the finishing end of said raceway and operated by the first racing object reaching said finishing end to discontinue the operation of said pneumatic means, and means for returning said racing objects to the starting end of said raceway.

31. In a device of the kind described, in combination, a stationary supporting bar, a racing figure carrier reciprocably mounted thereon, a locking member slidably reciprocative on the bar and tiltable thereon to and from cramped locking engagement with said bar, and engaging and movable with the carrier, and when locked to said bar holding the carrier from forward but permitting its rearward movement, means for moving the locking member from locking engagement with said bar, and mechanical means which exerts a continuous yielding pressure against said locking member tending to force the latter into cramped locking engagement with said bar.

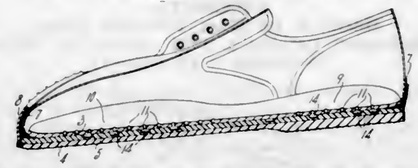
2,098,411
PLATED ARTICLE
William J. Wrighton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 16, 1934, Serial No. 715,963
2 Claims. (Cl. 113—112)

1. A method consisting in coating a body of base metal having a relatively high electric resistance and which is normally of a corrosive and tarnishable nature with an electrically deposited plating of a material having a non-corrosive and non-tarnishable nature but which is relatively soft and non-durable, coating said non-corrosive plating with an electric plating of rhodium to obtain the color desired of said body and to form a relatively durable surface thereon, plating the rhodium surface with a coating of material which will alloy with solder and with said rhodium surface on the application of heat and then soldering said coated metal body to an-



other body having a surface thereon which will adhere to solder by placing the said bodies in correlated relation with each other, associating solder with said bodies and applying heat thereto of sufficient temperature to bring about alloying of the coating on said rhodium surface with said surface and alloying of the solder with the surfaces of said correlated bodies which when cool will secure them together.

2,098,412
RUBBER SOLED FOOTWEAR
Norman Everett Bovay, Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application June 16, 1936, Serial No. 85,462
2 Claims. (Cl. 36—3)

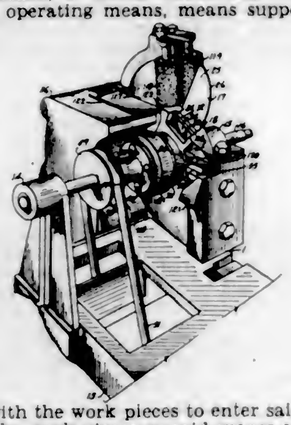


1. An article of footwear comprising an upper of fibrous material, an inner sole having a plurality of perforations disposed throughout the heel and ball areas, an outer sole of rubber composition, a filler disposed between the outer sole and the inner sole and having a plurality of channels formed in the inner sole engaging face which channels extend to the side edges of the filler and are in communication with said perforations in the inner sole, and a foxing placed around the edges of the outer sole, the filler and the upper and secured to the outer sole, filler and upper by a vulcanized bond, said foxing having a plurality of small perforations of the order of one-sixteenth inch in diameter, at least some of which are in accidental alignment with the openings of the filler channels whereby passageways are provided for the circulation of air from the interior of the article through the foxing, the admission of dirt through the foxing is materially reduced owing to the small size of the openings, and an ornamental effect is produced.

2,098,413
STRIPPING MACHINE
Dietrich Daneke, Topeka, Kans., assignor to Fred M. Brackett, Topeka, Kans.
Application October 16, 1936, Serial No. 105,924
15 Claims. (Cl. 164—68)

1. In a machine of the character described, means for moving work pieces in a fixed path while connected in spaced relation by a continuous strip, means for severing said strip includ-

ing a knife, means mounting the knife for movement across and shifting movement in the direction of movement of the work pieces, knife operating means, a clutch connecting the knife with said operating means, means supported in



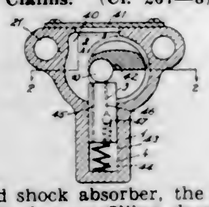
contact with the work pieces to enter said spaces between the work pieces as said spaces approach the knife, and means actuated by said contact means to render the clutch effective in actuating the knife to sever the strip.

2,098,414
ELECTRICAL CONTACT MEMBER FOR CONDUITS
Martin J. De Mask, Pittsfield, Mass.
Application October 2, 1934, Serial No. 746,548
10 Claims. (Cl. 247—3)



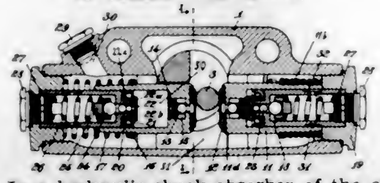
1. In a system for distributing power, a conduit, a bus bar disposed therein, means for supporting said bar within said conduit, a contact clip having opposed walls spring pressed toward each other and means for holding said clip within said conduit and electrically connected to said bar, said clip being positioned to receive a contact making blade, the spring pressed walls of said clip being arranged to embrace a blade with one wall of the clip interposed between the embraced blade and the adjacent bar whereby contact is maintained between said blade and said clip and contact between said blade and said bar is avoided.

2,098,415
FLUID SHOCK ABSORBER
Fritz Albert Deutsch, Berlin, Germany, assignor to Francisco Liebhold, Brussels, Belgium
Application April 18, 1934, Serial No. 721,123
In Germany September 6, 1932
2 Claims. (Cl. 267—8)



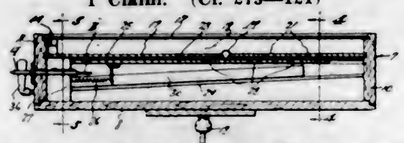
1. In a fluid shock absorber, the combination of a housing having a refilling chamber, a shaft journaled in said housing and provided with at least one depression and at least one cylindrical pin disposed within said depression, a dampening mechanism arranged in said housing, said dampening mechanism substantially comprising cylinder and piston members movable against each other and internally forming a working chamber and a spring arranged between said cylinder and piston members and adapted to urge one of said members against said pin, at least one channel leading from said working chamber to said refilling chamber, and regulating means disposed in said channel and adapted to control the retarding effect of said dampening mechanism.

2,098,416
HYDRAULIC SHOCK ABSORBER
Fritz Albert Deutsch, Berlin, Germany, assignor to Francisco Liebhold, Brussels, Belgium
Application May 9, 1935, Serial No. 20,532
In Germany May 9, 1934
13 Claims. (Cl. 267—8)



1. In a hydraulic shock absorber of the character described, the combination of a casing having a refilling chamber, a shaft journaled in said casing and provided with actuating means, dampening means substantially consisting of a cylinder member and a piston member, movable against each other and internally forming a working chamber, one of said members being fastened to the casing the other contacting with said actuating means, an automatic refilling valve arranged in the movable member, regulating means to control the dampening effect of said dampening means disposed substantially in the longitudinal axis of the stationary member fastened to the casing, and said stationary member being provided with a connecting channel leading from the substantially highest point of the working chamber to the regulating means.

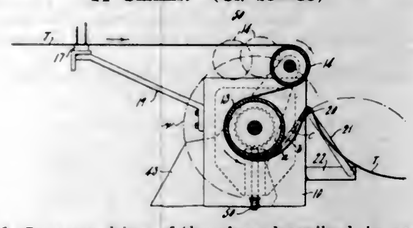
2,098,417
GAME
Barney L. Fisher, Oklahoma City, Okla.
Application July 22, 1936, Serial No. 91,819
1 Claim. (Cl. 273—121)



In a marble game apparatus, the same including a housing, a play board horizontally mounted in the upper part of the housing and upon which marbles may be rolled for play, the board having openings through which the marbles may be dropped, and a carrier board mounted in the housing below the play board and arranged for conveying the marbles forwardly to a fixed delivery point, an elevator arranged at the said delivery point, the same comprising an elevator arm pivotally mounted at one end so as to oscillate vertically between the said delivery point of the carrier board and the play board level for the

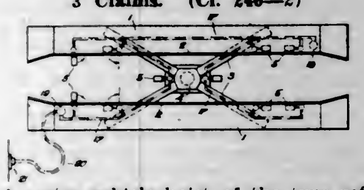
purpose of elevating marbles from the carrier board to the play board, and a baffle arm pivoted medially to oscillate across the delivery point of the carrier board in a plane of movement parallel to the plane of movement of the elevator arm, one end of the baffle arm overlying a medial point of one face of the elevator arm and being slotted longitudinally thereat and a pivot pin passed through said slot of the baffle arm and seated in the elevator arm, whereby depression of the elevator arm for engaging the marbles from the delivery point of the carrier board will operate to raise the free end of the baffle arm to clear said delivery point of the carrier board for admitting marbles from the carrier board onto the elevator arm.

2,098,418
APPARATUS FOR EQUALIZING THE TENSION OF THREADS
Raymond S. Francis, Rumford, R. I., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application May 12, 1936, Serial No. 79,255
11 Claims. (Cl. 28—35)



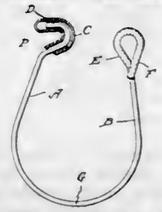
1. In a machine of the class described, in combination, mechanism for drawing forward simultaneously a number of threads, means for equalizing the tension of the individual threads supplied to said mechanism, including a pair of power driven tension regulating rolls spaced apart to provide a free passage for the threads therebetween and one of which rolls is supported at a higher level than the other, said rolls being positioned so that said threads pass over and part way around the upper roll and form a loop about the lower roll, and a thread support spaced laterally from the lower roll to hold the threads in a looped condition about the lower roll, whereby each thread is free to sag away from the lower tension regulating roll as it becomes slack and embraces this roll as it becomes taut, the arrangement being such that the slack or taut condition of each thread controls independently of the other threads its gripping engagement with said rolls and the rate at which it is pulled forward thereby.

2,098,419
MOTOR VEHICLE HOIST
Joseph Done Handley, Liverpool, England
Application June 22, 1936, Serial No. 86,572
In Great Britain December 11, 1935
3 Claims. (Cl. 246—2)



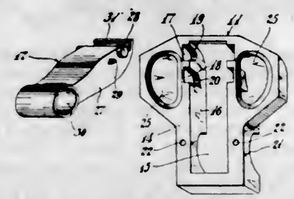
1. A motor vehicle hoist of the type referred to, wheel platforms thereon on to which the vehicle to be raised is run, a series of electric lamps fitted to the platforms and serving to illuminate the underside of the vehicle on the hoist, said lamps being carried by brackets fixed on the underside of the platforms, the brackets being mounted for swivelling movement to enable their being turned from a protected position under the platforms into a position for illuminating the underside of the vehicle, a wiring system connecting said series of lamps to a connector element on the hoist, said wiring system being housed in conduits fixedly secured to the platforms, and a source of electric current supply tapped from the connector on the hoist, said series of lamps and wiring system comprising a permanent installation of the hoist.

2,098,420
HOLDER FOR CABLE RINGS
Francis E. Jackson, deceased, late of Los Angeles, Calif., by Mildred E. Jackson, administratrix, Los Angeles, Calif.
Refiled for abandoned application Serial No. 462,915, June 21, 1930. This application April 5, 1937, Serial No. 135,180
3 Claims. (Cl. 206—46)



1. A holder for hooked end cable rings, comprising an elongated sheet folded longitudinally upon itself to provide two spaced apart walls, and having both walls bent in a hook-shaped formation approximating the configuration of the hooked ends of the cable rings, said holder being open at an end for insertion and removal of the hooked ends of the cable rings.

2,098,421
HANDLE MECHANISM
Ben F. Johnson, Cambridge City, Ind., assignor to National Metal Products Co. Inc., Connersville, Ind., a corporation of Indiana
Application January 2, 1937, Serial No. 118,853
5 Claims. (Cl. 16—112)



1. In a handle mechanism, in combination, a plate member having an opening therein and being adapted to be secured to an object to be lifted, and also being provided with two sets of slots therein, an arm member for cooperating with said plate member and being provided with two sets of lugs, said lugs and slots being so constructed and arranged as to provide for assembly of said arm member with said plate member by passage of the arm member through said opening from the back side of the plate member, one set

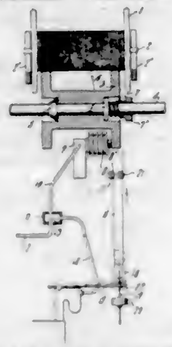
of said lugs engaging one set of said slots to form a hinge connection for the assembly, and the other set of said lugs engaging the other set of slots as said arm member swings through said opening to the front side of said plate member, to provide a stop for movement of said arm member.

2,098,422

CONSTANT TENSION CONTROL FOR ELASTIC FILAMENTS

Alexis W. Keen, Passaic, N. J., and Fayette D. Chittenden, Providence, R. I., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application June 14, 1935, Serial No. 26,542
4 Claims. (Cl. 242—156)



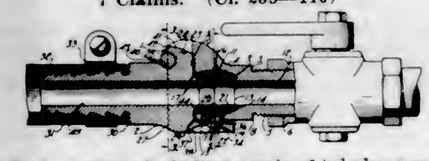
1. A constant tension control for elastic filaments comprising supply means for delivering the filament, a weighted element adapted to be movably supported by the delivered filament, a bellows for controlling delivery from said supply means, means for supplying a gaseous medium under pressure to said bellows, a relief valve for the bellows, and means actuated by said weighted element for operating said valve.

2,098,423

COUPLING DEVICE

Chester B. Kennedy, Junction City, Kans.

Application July 3, 1936, Serial No. 88,774
7 Claims. (Cl. 285—110)



7. A coupling including a pair of tubular members, intercoupling means for the tubular members including locking means movable on one of the tubular members, and cooperative engaging means on the other tubular member, and packing means between the pair of tubular members and having engagement with the locking means and movable responsive to pressure of fluid flowing through the tubular members to retain said locking means in locking engagement with said cooperative means on the other tubular member.

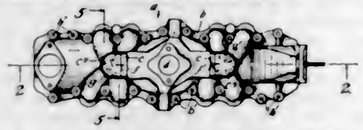
2,098,424

FUEL EQUALIZING MANIFOLD

Peter Kolimbat, Portland, Oreg.

Application August 22, 1936, Serial No. 97,388
4 Claims. (Cl. 123—52)

1. A fuel conditioning and proportioning intake manifold for V-type motors, comprising a single unit casting, a compartment positioned longitudinal and central thereof and a fuel intake port therefor, a chamber of substantial area positioned transverse of said casting and connecting with one end of said compartment, thereby forming a T having outlet ports at one side



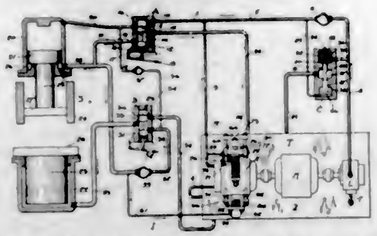
registering with inlet ports in one of the cylinder blocks and outlet ports at the opposite side for registering with inlet ports of the opposite cylinder block, and a similarly positioned chamber at the opposite end of the compartment having outlet ports connecting with the remaining inlet ports of the cylinder blocks.

2,098,425

CONTROL MECHANISM FOR PUMPS

Henry W. Landenberger, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 26, 1935, Serial No. 13,096
9 Claims. (Cl. 60—52)



1. In a fluid system, the combination with a variable stroke pump, of a fluid motor operated by said pump, means for controlling the operation of said motor including a valve, means for placing said pump on stroke, means for returning said pump to leakage stroke position, said last mentioned means comprising a pair of servo motors, one of said servo motors being constantly connected to the discharge pressure in the system and adapted to return the pump to leakage stroke position when the pressure in the system exceeds a predetermined value, means for actuating said valve to control the operation of said fluid motor and to connect the second of said servo motors to said discharge pressure whereby said second fluid motor operates in the same direction as said first mentioned servo motor to return the pump to and maintain the same on leakage stroke position at a comparatively low pressure.

2,098,426

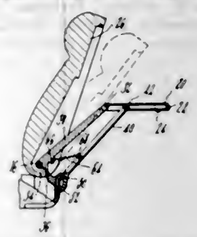
TRAY FOR RECLINER-BACK CHAIRS

Sterling B. McDonald, Chicago, Ill., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application July 11, 1936, Serial No. 90,081
10 Claims. (Cl. 155—128)

10. A recliner-back chair, comprising a seat frame, a back pivotally mounted on said frame to rock about a horizontal axis, said back having a shallow recess in the rear face thereof, a tray adapted to fit into said recess flush with the rear face of the back, means for releasably retaining

said tray in said recess, and means carried by said frame for supporting said tray in a horizontal



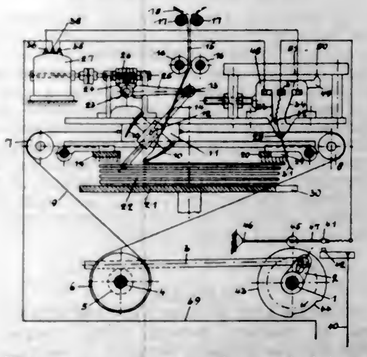
position independently of the back when released therefrom.

2,098,427

WEB FOLDING METHOD AND APPARATUS

Johannes Menschner, Rosswein, Germany

Application December 19, 1935, Serial No. 55,170
In Germany December 24, 1934
8 Claims. (Cl. 270—79)



1. The process of measuring and determining the length of fold in a web folding machine having pressure-grippers which includes, feeling along the folded edge of the topmost slackened fold to ascertain the actual position of said edge and regulating the length of a succeeding fold in accordance with the deviation of said actual position of the folded edge from the desired position thereof.

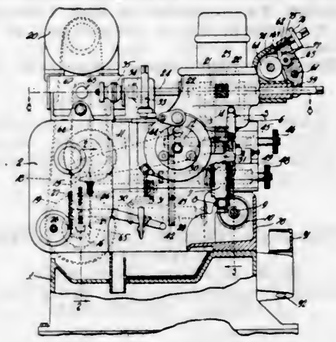
2,098,428

MACHINE FOR GENERATING THROATED GEAR ELEMENTS

Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont

Application January 24, 1931, Serial No. 510,958
6 Claims. (Cl. 90—9)

1. A machine for generating throated helical gear elements which comprises a work spindle, a cutter spindle, means for supporting said spindles rotatably with their axes non-intersecting and transverse to one another, means for effecting relative reciprocation between said spindles in the direction of the axis of the cutter spindle whereby a gear shaper cutter carried by the latter spindle is caused to pass endwise across the side of a work piece carried by the work spindle and make transverse cuts therein, means for simultaneously rotating the spindles about their respective axes at speeds such as to cause a generative progression of the cuts formed in the work piece, and means for incrementally oscillating the cutter spindle in timed relation with said reciprocative movements such as to cause



action alternately at opposite sides of the cutter teeth during alternate cutting strokes.

2,098,429

RUBBER COMPOUND

John D. Morron, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 10, 1936, Serial No. 84,473
5 Claims. (Cl. 106—23)

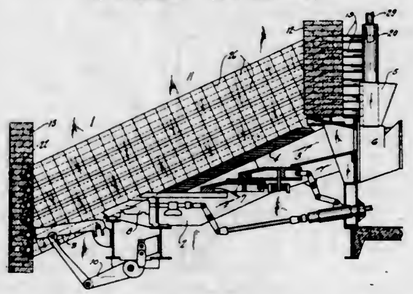
4. A molded vulcanized hard rubber product containing prior to cure, at least 30% by weight based on the rubber of sulphur and 15–200% by weight based on the rubber of wood charcoal of at least 260 mesh.

2,098,430

FURNACE WALL

Charles L. Myers, Overbrook, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 23, 1937, Serial No. 122,014
15 Claims. (Cl. 122—4)

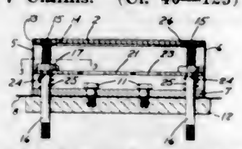


15. In a furnace, having front, rear and side walls, the combination of fluid cooled sections for said side and rear walls comprising, a pair of headers mounted exteriorly of said front wall, a third header mounted intermediate the ends of said rear wall, a series of fluid conducting tubes extending rearwardly from each of said first mentioned headers in substantially parallel relation with said side walls, said tubes being bent near their rearwardly disposed ends so as to lie in substantially parallel relation with said rear wall, and said tubes terminating in said third header.

2,098,431
WATER TREATING COMPOSITION
Everett P. Partridge, Brookside Farms, Bethel Township, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 31, 1936, Serial No. 108,639
6 Claims. (Cl. 210—23)

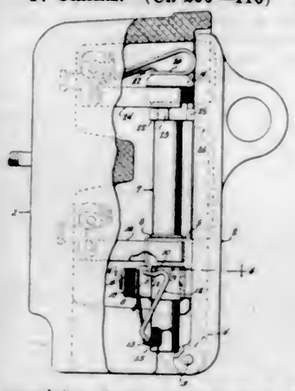
1. A water treating composition comprising a molecularly dehydrated phosphate containing finely divided metal which reacts with dissolved oxygen in water at boiler temperatures.

2,098,432
SYSTEM AND MEANS FOR AUTOMOBILE IDENTIFICATION
Clyde O. Roose, Elyria, Ohio
Application December 30, 1935, Serial No. 56,666
7 Claims. (Cl. 40—125)



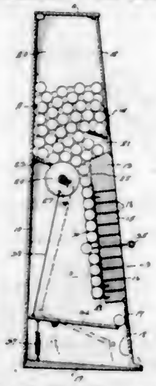
1. A plurality of identification tags, a retainer for holding said tags, said retainer having an aperture for revealing the characters on one of the tags, means for mounting said retainer on a plate, said means being concealed after the first tag has been inserted, and cooperating locking means on the tags and in the retainer to permanently lock all of said tags within said retainer.

2,098,433
FUSE
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 10, 1935, Serial No. 1,084
17 Claims. (Cl. 200—116)



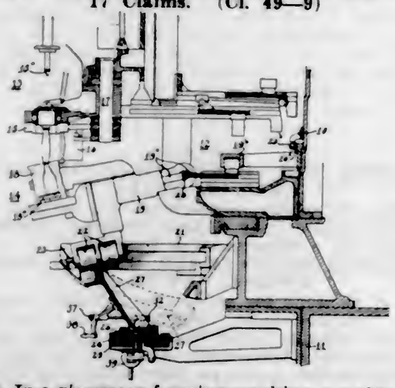
1. An expulsion fuse comprising a fuse tube having an open end, a fuse link within said fuse tube, and fuse link retracting means comprising a U-shaped pivoted member normally partially straddling said fuse tube and having a bail portion over which said fuse link is looped after passing from the open end of said fuse tube, said U-shaped pivoted member being resiliently urged to rock outwardly away from said fuse tube to thereby retract said fuse link, said U-shaped member being resiliently held in its outward position away from said fuse tube after said fuse link has been ruptured.

2,098,434
PUNCHBOARD GAME APPARATUS
Herman L. Smith, Grifton, N. C.
Application November 17, 1936, Serial No. 111,320
7 Claims. (Cl. 312—49)



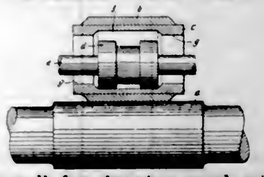
1. In a game of the character described, an element having a vertical row of perforations, a semi-tubular guideway extending vertically behind the element and aligned with the row of perforations and formed to provide a vertical series of pairs of inwardly curved resilient wings, the guideway being adapted to receive a series of globular objects having a diameter approximately equal to the cross section of the guideway and approximately equal to the vertical length of each pair of wings, the vertical row of perforations in the element opening into the guideway each before the middle of a pair of wings.

2,098,435
GLASSWARE FORMING MACHINE
Leonard D. Soubier, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application January 24, 1935, Serial No. 3,228
17 Claims. (Cl. 49—9)



2. In a glassware forming machine, a mold carriage mounted for rotation about a vertical axis, a blank forming unit thereon including partible cooperating body blank and neck molds, means for forming a blank in said molds, means for then opening the body blank mold and leaving a bare blank suspended from the neck mold, a partible finishing mold arranged below said blank forming unit, mechanism for raising said finishing mold to a position at which it closes about the said blank, means for advancing or retarding the point at which said mechanism is operated to thereby regulably control the point at which the blank is exposed to the atmosphere during its transfer to the finishing mold and means for accelerating the speed of operation of said mechanism to thereby shorten the period of time during which the blank is exposed to the atmosphere.

2,098,436
TOP ROLL
Wilhelm Stahlecker, Stuttgart-Bad-Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken Aktiengesellschaft, Stuttgart-Bad-Cannstatt, Germany, a corporation of Germany
Application March 27, 1936, Serial No. 71,080
In Germany March 29, 1935
3 Claims. (Cl. 19—142)



1. A top roll for drawing mechanisms, comprising a shaft, a bearing body carried by the shaft, an outer shell provided with a special coat, the bore of the outer shell being somewhat larger in diameter than is the diameter of the bearing body, thereby being loosely fitted and freely rolling on the bearing body, the shell being provided with inwardly projecting flanges for engaging the bearing body to guide and locate the shell.

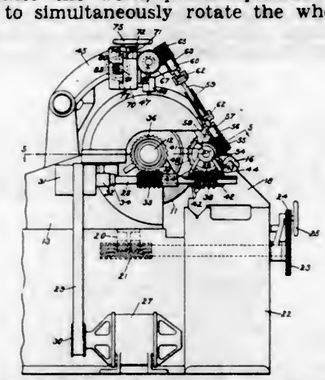
2,098,437
HAIR CLIPPING IMPLEMENT
Theodore Steinbach, Millburn, N. J.
Application August 10, 1936, Serial No. 95,055
18 Claims. (Cl. 30—43)



2. A hair clipping implement comprising a handle and a head removably attached to said handle, said head having a base and a slanting roof with a cylindrically formed outer surface of unidirectional curvature, a thin strip forming the eaves of said roof and having an outer surface curved in the same sense and continuously with said cylindrically formed surface, teeth formed by parallel slots in said strip, a movable cutter between said base and said roof provided with teeth in sliding contact with the teeth in said strip, said eaves extending laterally beyond the movable cutter, and means for giving said cutter a reciprocating motion.

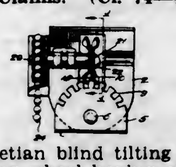
2,098,438
GRINDING MACHINE FOR GRINDING NON-CIRCULAR SHAPES
Everard Stubbs, Springfield, Vt., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 19, 1932, Serial No. 612,232
6 Claims. (Cl. 51—105)

1. A grinding machine for grinding a rotatable work piece having the line of grinding contact at varying distances from the axis of rotation of the grinding wheel comprising a rotatable grinding wheel shaped as the conjugate of the desired work contour and a support for the rotatable work which are relatively movable for feeding the wheel into the work, power operated driving means to simultaneously rotate the wheel and



work in a definite cyclic phase relation but at different surface speeds at the line of grinding contact, and driving mechanism including a slidable connection between the wheel and the work drive, which permits a relative feeding movement of the wheel and work without disturbing the phase relation of the wheel and work.

2,098,439
SHEET METAL WORM
Walter J. Stuber, Philadelphia, Pa., assignor to Carey-McFall Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 13, 1936, Serial No. 85,170
7 Claims. (Cl. 74—458)

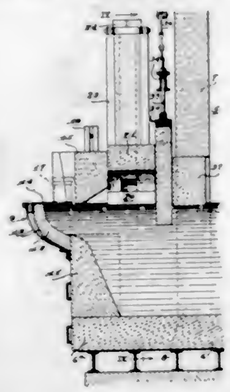


1. In a Venetian blind tilting mechanism including a tilting wheel having circumferentially spaced teeth, a worm cooperating with said toothed wheel and comprising a plurality of identical parts respectively including a central hub section and a peripheral marginal section constituting a segment of a convolution of the worm spiral with said hub and marginal sections being integral and of substantially uniform thickness over the entire areas thereof in the direction of the axis of the worm and with the marginal section of each part disposed in a plane arranged at an angle to the plane of the hub section of said part, said parts being assembled in intermeshing relation to each other with the hub sections thereof in substantially parallel and axial aligned relation one with the other and predetermined portions of said spiral segments of an intermeshing pair of said identical parts spaced apart axially of said worm to receive single teeth of said tilting wheel therebetween.

2,098,440
GLASS MELTING FURNACE
John A. Tassick, Streator, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 26, 1933, Serial No. 677,594
4 Claims. (Cl. 49—56)

1. In combination, a glass melting furnace including a side wall having an outlet opening

through which glass is adapted to flow from the furnace, a furnace extension exterior to the wall and including a bottom wall disposed at approximately the same level as the bottom of the furnace, side walls for the extension, an upstanding wall at the outer end of the extension, a forebay having its outer margin defined by the upper part of said upstanding wall, said forebay providing an exposed gathering area of glass, a jack



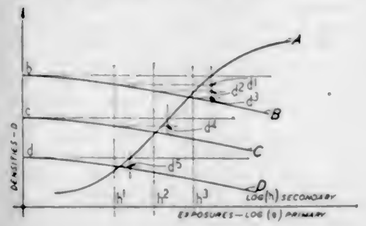
arch defining the inner margin of the gathering area, a conditioning chamber overlying the furnace extension between said jack arch and side wall of the furnace, means for regulably controlling the temperature in said chamber and a vertically movable gate interposed between said side wall and the conditioning chamber for regulably controlling the highest level at which glass may enter said furnace extension.

2,098,441

PHOTOGRAPHIC PROCESS WITH EXPOSURE DIMINUTION

Leonard T. Troland, deceased, late of Cambridge, Mass., by the Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Application August 10, 1933, Serial No. 684,546
3 Claims. (Cl. 95—5.6)



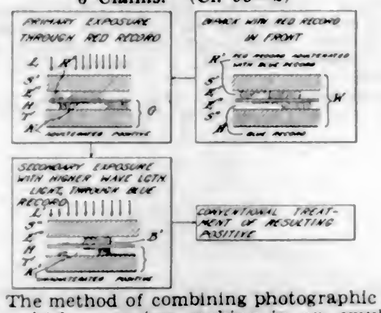
1. The method of controlling the gradation of a photographic gelatin relief, which comprises exposing a photographic emulsion through its support to an object field, uniformly exposing the latent record through said support to light adapted photographically to diminish said record, developing the record and hardening the gelatin coextensive with said record, and removing the gelatin portions not coextensive with the developed record.

2,098,442

PHOTOGRAPHIC PROCESS WITH EXPOSURE DIMINUTION

Leonard T. Troland, deceased, late of Cambridge, Mass., by Cambridge Trust Company, executor, Cambridge, Mass., assignor to Technicolor Motion Picture Corporation, Hollywood, Calif., a corporation of Maine

Original application August 10, 1933, Serial No. 684,546. Divided and this application November 16, 1935, Serial No. 50,161
6 Claims. (Cl. 95—2)



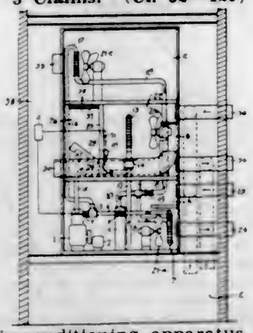
1. The method of combining photographic records, which comprises making in an emulsion layer of the silver halide type a latent record of an object field and in register therewith in a second emulsion layer a substantially permanent record of another aspect of the same field, said first layer receiving a record component substantially in conformity with said second record, and exposing said latent record in register through said permanent record with light photographically diminishing said latent record in amounts controlled by the permanent record, thereby diminishing said component in said first layer.

2,098,443

AIR CONDITIONING APPARATUS

Benjamin R. Vancott, Los Angeles, Calif.

Application February 20, 1936, Serial No. 64,842
3 Claims. (Cl. 62—129)



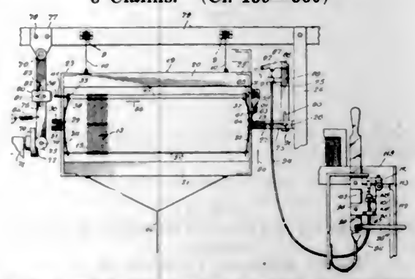
2. An air-conditioning apparatus for a room or the like comprising an evaporator enclosed in a chamber, a primary condenser enclosed in a chamber, a secondary condenser enclosed in a chamber, together with means to circulate air from said room through said evaporator chamber and said primary condenser chamber and return said air to said room; additional means to circulate air from the outside atmosphere through the evaporator chamber and said primary condenser chamber, means to circulate air through the secondary condenser chamber, and means to alternately circulate a refrigerant through said primary condenser and said evaporator, or through said secondary condenser and said evaporator.

2,098,444

MECHANICAL WARP STOP MOTION

Theodor Curt Wagner, Chemnitz, Germany

Application October 30, 1935, Serial No. 47,347
In Germany June 24, 1935
8 Claims. (Cl. 139—360)



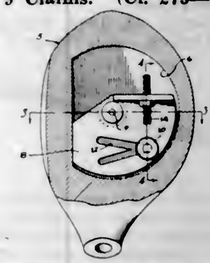
1. In a mechanical warp stop motion for looms, the combination with a heddle frame provided with a series of heddles, a bar which is circular in cross-section and which comprises teeth formed upon one of the surfaces thereof, another bar carrying the first-mentioned bar and having a portion which is U-shaped in cross-section and which is provided with teeth adapted to be situated adjacent the teeth of the first-mentioned bar in the operative position of said bars, each of the teeth of the two bars having an oblique surface and a substantially vertical surface, the vertical surface of a tooth of one bar facing oppositely to the vertical surface of an adjacent tooth of the other bar, one of said bars being rotatable relatively to the other bar about its longitudinal axis, whereby a smooth surface is presented to a heddle falling upon said bars if the rotatable bar is moved from its operative position, one of said bars being reciprocable in the direction of its longitudinal axis relatively to the other bar, the vertical surfaces of the teeth of the two bars being adapted to clamp a fallen heddle situated between them in the course of said relative movement when said bars are in the operative position, whereby the two bars are locked, means supporting said bars, means for reciprocating the first-mentioned means, and a knock-out mechanism comprising means actuated by said bars while they are locked.

2,098,445

GOLF CLUB

William L. Wettlaufer, Buffalo, N. Y.

Application March 11, 1937, Serial No. 130,333
9 Claims. (Cl. 273—77)



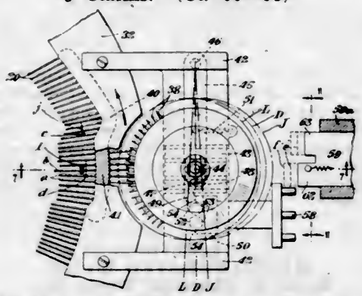
1. In a golf club of the driver type, a club head having an internal recess, a sector-like plate in said recess and means for pivotally mounting said plate so that it is movable during a backswing of the club to concentrate its weight in the vicinity of the heel of the club head and is movable during a down-swing of the said club to concentrate its weight in the vicinity of the toe of said club head, said means being connected to said plate in the vicinity of the point toward which the radially extending sides of said plate converge.

2,098,446

KNITTING MACHINE

Harry Agulnek, Brooklyn, N. Y., assignor to Samuel Mishcon, doing business as Supreme Knitting Machine Co., Brooklyn, N. Y.

Application July 25, 1936, Serial No. 92,533
6 Claims. (Cl. 66—93)



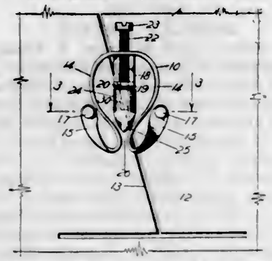
1. In a circular knitting machine, a plurality of circumferentially disposed radially movable sinkers, a rotary selector wheel with peripheral slots therein and movable to three positions with respect to the cylinder, jacks in certain of said slots, the walls of the slots and the jacks being engageable with adjacent sinkers for actuating them radially, the walls of unfilled slots being adapted to move a coacting sinker to a position for receiving yarn over the nose thereof to make a loop stitch when the wheel is in its innermost position, and to a position for receiving the yarn over the throat of the sinker to make a jersey stitch when the wheel is either in its intermediate or outermost position, each jack within a slot being adapted to move a coacting sinker to a position for receiving yarn over the nose thereof to make a loop stitch when the wheel is either in its innermost or intermediate position, and to a position for receiving yarn over the throat of the sinker to make a jersey stitch when the wheel is in its outermost position, and means for operatively actuating the wheel.

2,098,447

PISTON EXPANDER

Lionel D. Bax, Denver, Colo.

Application April 13, 1936, Serial No. 74,097
5 Claims. (Cl. 309—12)



1. An expander of the character described, comprising a resilient body formed into a central

loop terminating in wings projecting laterally at opposite sides of a narrowed throat, and adapted for attachment to a piston to which the expander is applied, an arm projecting inwardly of the loop, the loop and the arm having alined apertures for the application of an adjusting screw, an adjusting screw operating in the apertures, and a wedge-member carried by the screw within the throat.

2,098,448

COMPLEX COMPOUNDS OF CINCHOPHEN AND ITS DERIVATIVES

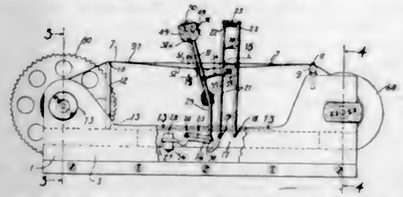
Fritz W. Bramigk, Detroit, Mich.
No Drawing. Application February 2, 1935, Serial No. 4,717
12 Claims. (Cl. 260—39)

1. A complex compound resulting from the interaction of one molecule of a phenyl quinoline carboxylic acid compound selected from the group consisting of neocinchophen, cinchophen, and the alkali-forming metal salts of cinchophen, with at least one molecule of hexamethylene tetramine and at least one molecule of a pyrazolone compound selected from the group consisting of 1-phenyl-2.3-dimethyl-5-pyrazolone and 1-phenyl - 2.3 - dimethyl-4-dimethylamino-5 pyrazolone.

2,098,449

HAND OPERATED LOOM

David C. Churchill, Berea, Ky.
Application December 20, 1935, Serial No. 55,359
4 Claims. (Cl. 139—29)



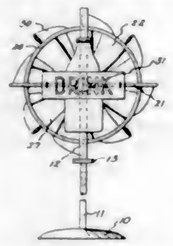
1. In a loom, a main frame, a rotatable cloth beam comprising spaced cylindrical bearing portions, a bore on the frame for one bearing portion, a recess in the frame for the other bearing portion and means for retaining it in the recess, comprising an obstruction projecting into the recess in front of the corresponding bearing portion and resiliently operably yieldable to remove it from recess obstructing position, the beam being removable from the bearing portions by lateral movement from the recess after manually effected operation of the yieldable obstruction and by subsequent longitudinal movement from the bore.

2,098,450

DISPLAY DEVICE

Marcus P. Exline and William F. Beale, Dallas, Tex., assignors of one-third to Daniel J. Lyons, St. Louis, Mo., and said Exline assignor of one-third to Katharine Morgan Exline, Dallas, Tex.
Application December 21, 1936, Serial No. 116,896
4 Claims. (Cl. 40—125)

1. A display device including, a support, a frame mounted to rotate on a vertical axis on the support, a wind-impelled element within the frame and rotatable on a horizontal axis, means on the periphery of the element for rotating the element when the wind is in a direction at substantially a right angle to the face of the element, and a display panel carrying advertising indicia secured to the frame and covering the central portion of the rotatable element, whereby

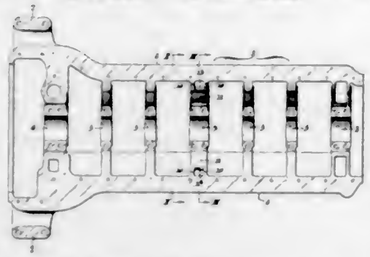


a portion of said element is visible behind the stationary panel.

2,098,451

METHOD OF STRENGTHENING CRANK-CASES

Harry Gilmore, Camden, N. J.
Application July 18, 1936, Serial No. 91,361
1 Claim. (Cl. 29—156.4)

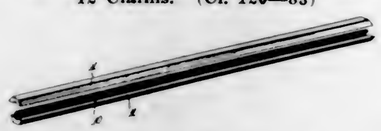


A method of strengthening a weakened crank case having a main bearing supported by two spaced webs having upper edge portions extending from the bearing to the sides of the case which consists of the following steps: forming a flange member of a width proper to connect the upper edge portions of said webs between said bearing and the sides of said casing, positioning the flange member to connect the upper edge portions of the spaced webs in preparation for welding, and welding the positioned flange member to the upper edge portions of the two webs and to said main bearing.

2,098,452

ART OF LEAD PENCIL MANUFACTURE

Karl M. Herstein, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application January 31, 1936, Serial No. 61,639
12 Claims. (Cl. 120—83)

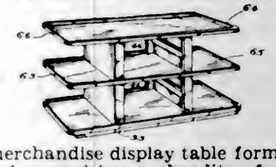


1. The processing of pencil leads which includes the application to the greasy surface of the lead, of a solution of a grease-attacking crystalline salt and evaporating such solution, with resultant crystals in part penetrating the greased lead surface and in part protruding therefrom.

2,098,453

MERCHANDISE DISPLAY TABLE

Leslie S. Janes, John G. Raben, and John Nielsen, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 29, 1936, Serial No. 108,194
14 Claims. (Cl. 312—140.1)

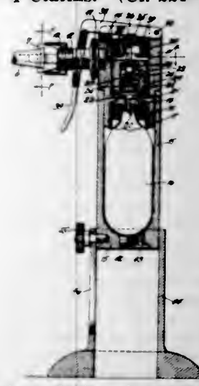


3. A merchandise display table formed of sheet metal and comprising a plurality of shelves and spacing members disposed therebetween and inwardly of the ends thereof, said spacing members having channel shaped ends, the space between said shelves being substantially free at the extremities thereof and between said extremities and said spacing members.

2,098,454

COMPRESSED AIR GUN

Isaac Dee Kelley, Jr., St. Louis, Mo.
Application May 4, 1936, Serial No. 77,797
4 Claims. (Cl. 221—73.5)



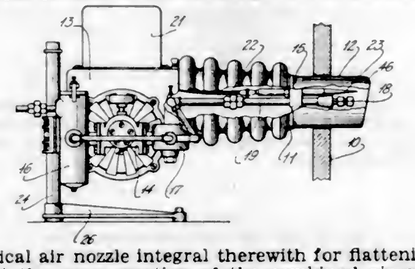
1. A device of the character described comprising a cartridge or shell enclosing compressed air or gas, means for puncturing and for forming a passage from said cartridge or shell for the flow of air or gas therefrom, and a support for said means having an outlet passage therethrough, a member attached to said support, an additional support mounted for sliding movements in said first named support, elastic means supporting and providing a seal for said additional support, a valve controlling passage of air or gas through and from said member, a stem attached to said additional support and engaging said valve, a lever pivoted to said first named support for moving said additional support in opposition to said elastic means to open said valve, and means limiting extent of movement of said lever.

2,098,455

FLUID FUEL BURNER

Emert J. Lattner, Cedar Rapids, Iowa
Application April 27, 1934, Serial No. 722,715
3 Claims. (Cl. 158—76)

1. A fluid fuel burner having a substantially cylindrical air nozzle, a fuel nozzle located within the air nozzle near the discharge end thereof adapted to project fuel flowing therefrom into the air blast to form a combined air and fuel blast, and a crescent-shaped, inwardly-curved lip on the upper portion of the discharge end of the cylin-

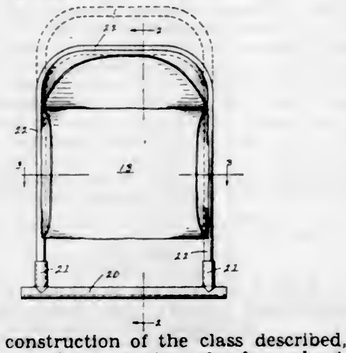


drical air nozzle integral therewith for flattening out the upper portion of the combined air and fuel blast to produce a deformed conical blast bulged out at the sides and flattened at the top.

2,098,456

SEAT BACK

Hubert S. Leader and Henry P. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 20, 1935, Serial No. 22,378
4 Claims. (Cl. 155—178)



1. In a construction of the class described, a seat back comprising a rectangular frame having panels secured to the opposite sides thereof and whose respective opposite marginal side edges overhang the sides of the frame forming channels in the opposite sides of the seat back, and a frame member for the seat back comprising (1) a tubular member provided with spaced transverse sleeves and (2) a U-shaped tubular member whose opposite lengths embrace the seat back within its opposite channels and whose free ends are engaged within the spaced transverse sleeves.

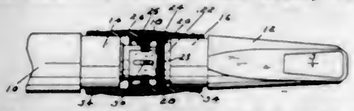
2,098,457

MUSICAL INSTRUMENT

Allen Loomis, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application August 15, 1936, Serial No. 96,142
13 Claims. (Cl. 84—386)

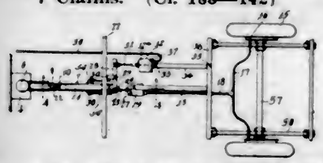
1. A tuning device for wind reed musical instruments comprising telescoping sections having respectively right and left external threads and provided with interengaging parts preventing relative turning, a collar surrounding the telescoping portions of said sections and which is provided with internal right and left threads

interengaging respectively with said external threads, said collar being operable to shift said sections relatively to each other axially to tune



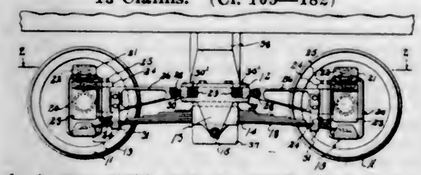
the instrument, and means within said collar for normally limiting separation of said sections to prevent disengagement of the internal and external threads.

2,098,458
TRAILER BRAKE APPARATUS
Fred J. Machovec, Monterey, Calif.
Application September 18, 1936, Serial No. 101,457
7 Claims. (Cl. 188—142)



1. In a trailer brake apparatus, to be used with a towing car having an internal combustion engine with an air intake the combination of a member constructed to be attached to the towing car, a member attached to the trailer, said members capable of relative sliding movement in the front and rear direction, means for applying the trailer brakes when the trailer moves forwardly with respect to the first named member, and means capable of being controlled by the driver of the towing car, including a pneumatic cylinder connected to the engine intake for normally preventing the trailer from relative forward movement with respect to the towing car.

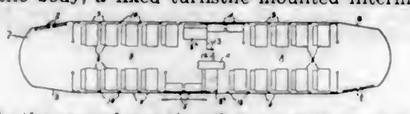
2,098,459
CAR TRUCK
John S. McWhirter, Southport, Conn.
Application June 11, 1935, Serial No. 26,011
13 Claims. (Cl. 105—182)



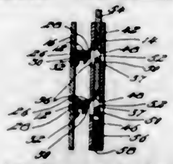
1. A non-rigid vehicle truck comprising a bolster, leaf springs secured to the ends of said bolster, a pair of axles each having a pair of wheels thereon, journal boxes mounted on said axles, swing links interconnecting the ends of the leaf springs with the journal boxes, and side members each pivotally connected at one end to a journal box on a vertical axis and at the other end to the bolster on a vertical axis.

2,098,460
VEHICLE
John S. McWhirter, Southport, Conn.
Application July 25, 1936, Serial No. 92,473
2 Claims. (Cl. 105—341.5)

1. In a vehicle adapted to be operated from either end, the combination comprising a vehicle body having door-ways on opposite sides at each end, and door-ways on both sides intermediate the ends, the second mentioned door-ways being longitudinally spaced with respect to the length of the body, a fixed turnstile mounted intermediate the second mentioned doors with respect to their longitudinal displacement and fixed barrier means cooperating with the turnstile to form a passage-way between the respective ends of the car controlled by the turnstile.

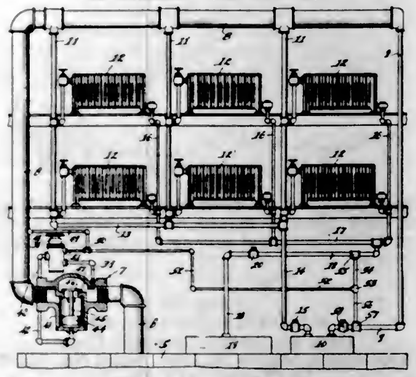


2,098,461
CATCH FOR USE IN DETACHABLY SECURING THE ENDS OF BRACELETS, CHAINS, AND OTHER ARTICLES TOGETHER
Arthur Micallef, Cranston, R. I.
Application May 9, 1935, Serial No. 20,625
2 Claims. (Cl. 24—230)



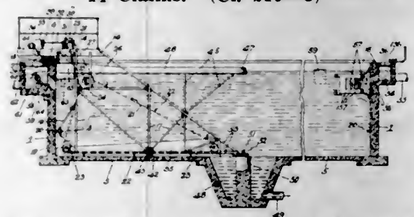
1. A spring catch for use in detachably securing the ends of bracelets, chains and other flat articles together comprising vertically spaced flat prong means, each rigidly projecting from one end of said flat article first in the plane thereof and then substantially at right angles forwardly and with the front end thereof terminating in a cam surface inclined from top to bottom and provided with an indentation in a horizontal edge thereof and an oblong hollow compartment member having the inner vertical edge thereof rigidly secured to the other article end, and having slot means in the rear wall thereof similarly spaced to receive said prong means and a hole in a horizontal wall thereof, a flat slide member vertically slidably mounted in and substantially filling the center portion of said compartment and one end of said slide having an aligning lug projecting vertically centrally thereof, slot means therein similarly vertically spaced to said prong means and compartment slot means, the rear portions of said slide member immediately vertically adjacent said slot means having cam surfaces tapered toward said slot means and an extension projecting vertically through said compartment hole substantially the height of the desired vertical movement of said slide member and spring means mounted in the other end of said compartment to surround said slide member aligning lug and abut the adjacent slide surface whereby on depression of said slide extension said spring means may be compressed to permit alignment of said slide member slot means with said compartment slot means to permit withdrawal of said prong means therefrom and on release of pressure from said slide member extension said spring means may urge said slide member vertically to cause the portions of said slide immediately vertically adjacent said slide member slot means to fit into said prong means indentations to retain said article ends together and said prong means cam surfaces may function with said slide member cam surfaces to permit the automatic insertion of said prong means within said then aligned slot means against the pressure of said spring means.

2,098,462
SELF REGULATED HEAT TRANSFER SYSTEM
Samuel P. Miller, Chicago, Ill.
Application May 15, 1936, Serial No. 79,842
In Canada January 27, 1936
29 Claims. (Cl. 237—9)



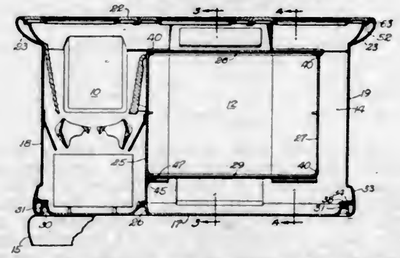
15. In a heat transfer system having a plurality of radiators, a primary supply pipe therefor, a secondary supply pipe therefor having a far end and a return for said radiators, means to prevent expansion of steam in said secondary supply pipe, said means including a control valve between said supply pipes and a control pipe for said valve connected to said secondary pipe and said far end and said return, said means including a valved aperture between said primary and secondary supply pipes, said aperture adapted to be varied inversely in proportion to the average pressure in said secondary supply pipe.

2,098,463
SLUDGE COLLECTOR
George L. Morehead, Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application August 6, 1935, Serial No. 34,944
14 Claims. (Cl. 210—3)



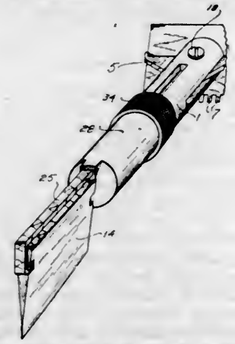
1. In combination in a circular tank adapted to contain liquid, having a relatively flat floor means for supplying liquid to it and for withdrawing liquid from it, and means for removing solid matter from the tank, said means comprising a movably mounted conveying assembly supported upon the tank and means for rotating it bodily about the tank, supported above the floor of the tank, a sludge trough situated in the floor of the tank, and a scum hopper mounted adjacent the liquid level of the tank and adjacent its wall, the conveying assembly carrying means to move material to the trough in the floor of the tank said last mentioned means including a conveyor mounted for relative movement with respect to the remainder of said conveying assembly, and means for giving it such relative movement.

2,098,464
KITCHEN RANGE
George E. Pickup, Newark, Ohio, assignor, by mesne assignments, to Florence-Wehrle Stove Co., Newark, Ohio, a corporation of Ohio
Application January 18, 1935, Serial No. 2,348
12 Claims. (Cl. 126—1)



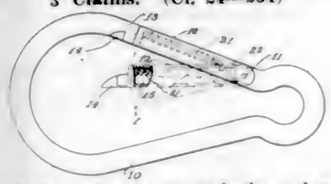
1. In a kitchen range including a casing having a fire-box on one side therein and an enclosed oven chamber beside said firebox, a flue system leading from said fire-box about said oven chamber for conducting hot products of combustion in intimate contact with said chamber, a base plate forming the lower wall of said casing, means at the edge of said base plate providing an upwardly facing channel, a bottom plate forminto the lower wall of said oven chamber, said bottom plate including a wide downwardly projecting flange formed integrally therewith along one edge, said flange having means at its lower edge fitting within said channel and forming a joint, and a recess within the joint thus formed adapted to receive means for sealing said joint against the escape of flue waste from within said casing.

2,098,465
COMBINATION SAFETY RAZOR AND SHARPENER
Joseph Polillo, Ridgefield, Wash.
Application July 14, 1936, Serial No. 90,502
3 Claims. (Cl. 30—35)



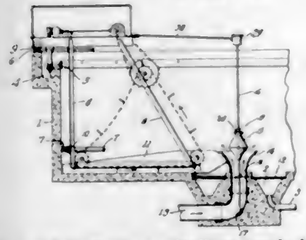
1. In a device of the class described, the combination of a safety razor blade having a substantially thick back, a pair of rectangularly sectioned notches disposed in the ends thereof, a pair of notches having a V-shaped section normal to the blade thickness disposed in the ends thereof between the said rectangularly sectioned notches and the said back, a safety razor frame member having two ends and adapted at one end for holding the safety razor blade in position for shaving and adapted at the other end for holding the safety razor blade in position for conditioning the same.

2,098,466
SAFETY HOOK
Ernst Rodenbach, Bloomfield, N. J.
Application November 10, 1936, Serial No. 110,031
3 Claims. (Cl. 24—234)



1. In a safety hook, a hook body and a tongue hingedly interconnected with one another, said tongue comprising a hollow, tubular member, a relatively long, spiral spring under compression within said tongue, the outer diameter of said spring being considerably smaller than the interior diameter of said hollow member for permitting a bodily flexing of the spring within the latter, a support for the spring end nearest to the hinge connection between said hook body and said tongue and engaging a fixed point disposed eccentrically relative to the axis of the hinge connection, said support being free to swing within said tongue.

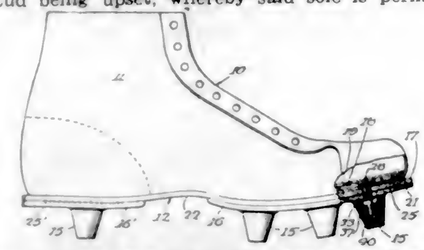
2,098,467
SETTLING TANK
William W. Sayers, Chicago, Ill., and Harold F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1935, Serial No. 26,781
4 Claims. (Cl. 210—55)



1. In combination, a shallow tank having an open top and a flat floor, an effluent weir about the periphery of and adapted to control the level of the liquid within the tank, an influent conduit beneath the bottom, extending from a point outside the boundary of to a point adjacent the center of the tank and there projecting upwardly through the floor, an upwardly and outwardly expanding influent nozzle having its discharge orifice at a point intermediate the floor of the tank and the liquid level as determined by said weir, said influent conduit discharging into said nozzle, deflecting vanes at the discharge orifice masking a portion thereof and curved to guide fluid discharged through the orifice along radial and spiral paths as it passes into the body of the liquid.

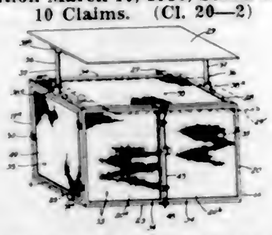
2,098,468
ATHLETIC SHOE
Isadore Shapiro, Chicago, Ill., assignor to The Athletic Shoe Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1935, Serial No. 6,957
7 Claims. (Cl. 36—59)

1. In an athletic shoe, a sole carrying a flexible steel plate, a headed stud extending through said sole and substantially beyond the outer face thereof, said stud having longitudinal teeth in driven engagement with said sole and plate, said stud being upset, whereby said sole is perma-



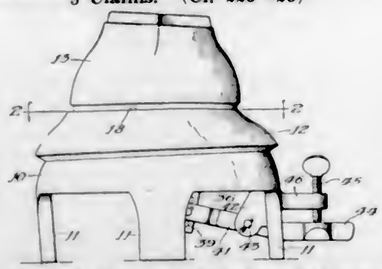
nently clamped between the head of said stud and said binding means, and a tread member having an embedded nut detachably mounted on said stud.

2,098,469
FOLDABLE ENCLOSURE
John W. Smith, Norwalk, Conn.
Application March 10, 1936, Serial No. 68,007
10 Claims. (Cl. 20—2)



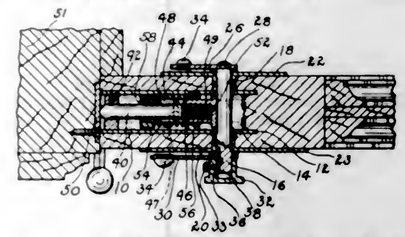
1. A foldable enclosure having a stationary side wall; a plurality of movable side walls pivotally associated with said stationary side wall and movable from a normal to a folded position overlying the inner face thereof; and a bottom member secured to said stationary side wall and having a pivotally associated portion movable from a normal position extending inwardly from said stationary side wall to a position overlying the movable side walls when the latter are in a folded position.

2,098,470
PULLING DIE
Abraham Solosko, Chicago, Ill.
Application May 1, 1936, Serial No. 77,352
5 Claims. (Cl. 223—25)



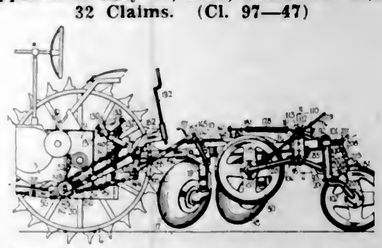
1. A device of the character described comprising a base, a crown form adapted to rest thereon to provide a die on which a hat may be shaped, and means for clamping said crown form in position on the base comprising aligning means on the base and the crown form, a depending bar inside said crown form, ratchet teeth on said bar, an adjustable pawl in the base adapted to engage said ratchet teeth, means for moving said pawl to draw the bar downwardly whereby to press the crown form against the base.

2,098,471
DOOR INDICATING DEVICE
Henry H. Starks, Tacoma, Wash.
Application May 27, 1936, Serial No. 82,145
4 Claims. (Cl. 116—133)



1. The combination with a door and its frame, of a rotary shaft mounted in said door, a weighted, indicating pointer on said shaft having a normally non-indicating position, means operated by the closing of the door for retaining the shaft in adjusted position, and means operated upon the opening of the door releasing said retaining means and the weighted pointer to said non-indicating position.

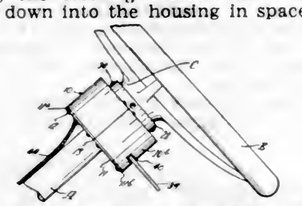
2,098,472
PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 22, 1935, Serial No. 22,677
32 Claims. (Cl. 97—47)



1. A tractor plow comprising an implement frame, means serving as a draft frame connected with said implement frame and adapted to be connected with the tractor for vertical swinging about generally horizontal axes to provide for raising and lowering one end of the plow, supporting wheel means for the other end of the plow and connected with the implement frame for generally vertical shifting movement, and means carried by the tractor for swinging said draft frame and shifting the implement frame relative to said supporting wheel means for raising and lowering the plow.

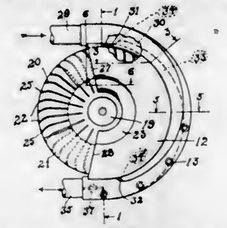
2,098,473
ELECTRICAL SWITCH
Charles W. Thompson, Albany, N. Y.
Application November 4, 1936, Serial No. 109,069
2 Claims. (Cl. 200—59)

1. A turn signal switch for mounting upon the steering column of an automobile below the steering wheel thereof, the same comprising a lower annular housing section encircling the column below the wheel, this section including an annular bottom an outer cylindrical wall and an inwardly spaced annular bearing neck extended up from the bottom, the neck encircling and being secured to the column, the outer wall also encircling the column in an outwardly spaced relation, an annular cover plate anchored to the wheel and closing the upper end of the lower housing section, the cover plate being rotatable over the lower section and having a depending annular bearing neck encircling the steering column and extending centrally down into the housing in spaced rela-



tion to the upper margin of the bearing neck of the lower section so as to provide an annular space between the two around the column, an operating switch arm formed at its inner end with a flat circular eye slidably encircling the column within the said annular space between the two bearing necks, the outer end of the arm being passed freely out through a slot elongated circumferentially in the outer wall of the lower housing section, and thus arranged for lateral movement, electrical contacts on the opposite margins of the shank of the operating arm within the housing, laterally spaced co-operating contacts within the housing for controlling electrically indicated turn signals such as right and left turns.

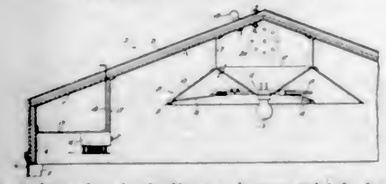
2,098,474
DIRECT ACTION AIR COMPRESSOR AND MUFFLER
John R. Tucker, La Crescenta, Calif.
Application May 22, 1935, Serial No. 22,773
18 Claims. (Cl. 230—108)



1. An air compressor comprising a casing having a rotor chamber therein, said chamber extending about within the casing in an arc of a circle and being open to the outside air at its ends, a rotor mounted to rotate about an axis at the center of curvature of the said chamber, said rotor being partially within the chamber and partially in the open air outside the casing, vanes carried by and rigidly attached to the rotor, said vanes when within the casing forming with the casing a series of pockets, the spaces between the vanes being filled with air while the vanes are outside the casing, said casing having a pair of fluid passages extending about the chamber and in open communication therewith and with the pockets therein, means through which a fluid under pressure is admitted to one of said passages and, through it.

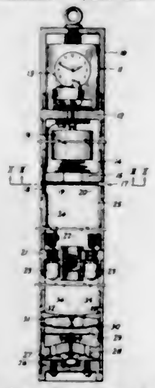
to the said chamber to enter one part of the pockets within the chamber and into direct contact with the air within said pockets, thus to compress said air and force it toward and into the other passage in the casing, and means for cutting off the communication between the pockets and the said other passage before all the air has been forced from the pockets and before substantially any of the pressure fluid has reached the second passage.

2,098,475
BROODER
Boyd W. Warner, North Manchester, Ind., assignor to The Warner Brooder & Appliance Corporation, North Manchester, Ind., a corporation of Indiana
Application February 7, 1936, Serial No. 62,838
5 Claims. (Cl. 119—33)



1. A brooder including a hover which has an anti-clinal roof, end walls and side walls, ventilators mounted in the upper portion of the end walls, and a heating unit supported by the hover, said unit comprising a reflector including a substantially truncated outer cone and a relatively reversed inner cone, and an electric heating element mounted between the outer and inner cones, said heating element being substantially surrounded by free space, whereby substantially free movement of air around said entire heating unit is permitted.

2,098,476
DIRECTIONAL INCLINATION RECORDER
Hugh B. Webster, Oakland, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application November 11, 1935, Serial No. 49,273
5 Claims. (Cl. 33—206)



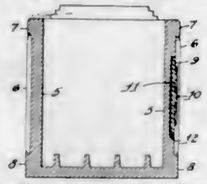
1. An inclination direction indicator comprising means forming a surface concave upwardly, a generally spherical element adapted to rest on said surface, means forming a surface concave downwardly, a fluid in contact with said last named surface, a generally spherical element adapted to be supported in said fluid to contact said last named surface, one of said concave surfaces having a longer radius of curvature than the other so that the element in contact therewith will be displaced a longer distance for a given degree of inclination than will the element which is in contact with the other concave surface, and means for indicating the direction of motion of said spherical elements from the center of said concave surfaces, so constructed and arranged that the direction of inclination of said indicator may be determined from the position of said elements with regard to said last named means.

2,098,477
DISPENSING DEVICE
John Welsh, St. Paul, Minn.
Application September 7, 1935, Serial No. 39,597
8 Claims. (Cl. 206—57)



1. In a device of the class described, a blank of sheet material having its opposite marginal edges provided with suitable loops, said blank being folded around a package of sheet paper with its looped ends spaced apart to provide a dispensing opening, and wire elements insertable in said loops, thereby to secure together said ends in spaced relation.

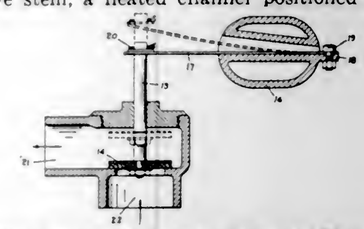
2,098,478
BATTERY CONTAINER
John Westley Young, St. Paul, Minn., assignor to National Battery Company, St. Paul, Minn., a corporation of Delaware
Application January 7, 1935, Serial No. 625
2 Claims. (Cl. 40—2.2)



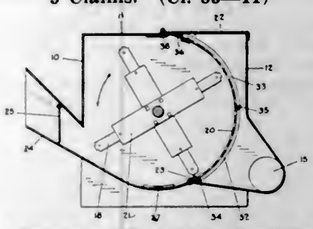
1. The combination with a molded storage battery container formed with a recess in its outer surface, of a name plate formed from molded, acid-resistant composition having the appearance of an integral part of said container and a coefficient of expansion approximately equal to that of said container, said plate fitting snugly in said recess and being securely bonded to the container wall in said recess.

2,098,479
AUTOMATIC CHOKING DEVICE
Charles D. Ammon, Lincoln, Nebr.
Application April 22, 1935, Serial No. 17,675
6 Claims. (Cl. 123—119)

1. In an internal combustion engine, the combination of the air intake of the carburetor with an exhaust pipe, said air intake having a horizontal valve seat, a weighted valve normally seated on said valve seat, a valve stem projecting upwardly from said weighted valve, a bimetallic bar loosely secured to said valve stem, an abutment on said valve stem for limiting upward movement of said bimetallic bar relative to said valve stem, a heated channel positioned transversely through said exhaust pipe, said bimetallic bar passing through said heated channel, and a connection between said exhaust pipe and said bimetallic bar.



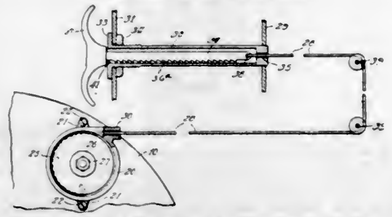
2,098,480
GRINDER
Charles D. Ammon, Lincoln, Nebr.
Application October 14, 1935, Serial No. 44,853
5 Claims. (Cl. 83—11)



4. In a hammer mill, a casing having a grinding chamber therein, a hammer reel in the chamber of the casing, a screen disposed in the rear wall of the chamber within the casing, a screen holding frame in the casing extending from the bottom wall of the chamber and having its upper part terminating adjacent the top of the casing, said frame adapted to engage the marginal lateral edges of the screen to hold the same in place, a lip hinged eccentrically to the upper end of the frame and having a heel portion to engage the screen and a cover in the top wall of the casing adapted to be closed thereon and engage the upper end of the frame to clamp the same in place and bind the heel of the lip against the upper edge of the screen and conform the latter to the frame.

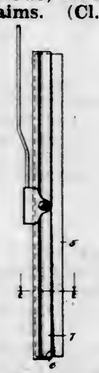
5. In a hammer mill, a main casing, a fan casing mounted on one side of the main casing, a horizontal shaft disposed axially in the main and fan casings, a hammer reel on the shaft in the main casing, a fan on the shaft in the fan casing, an inlet extending downwardly in the front side of the casing at substantially a tangent to the bottom wall thereof beneath the hammer reel, an arcuate screen extending from the rear end of the bottom wall in upright position in the rear side of the casing to receive therethrough ground material thrown off by the hammer reel for accumulation in the rear bottom portion of the casing, said casing having a collecting sump at its lower rear portion the lower wall of which extends outwardly from the screen and generally horizontally relative to the bottom wall of the casing, and a substantially horizontally disposed conduit extending from said collecting sump at said lower wall around the exterior of the main casing to said fan casing, whereby ground material tending to choke said conduit upon overloading of the main casing may gravitate along the bottom of the conduit without entirely closing the same so that the continuous draft of air may gradually absorb the overload of ground material and prevent the choking of the mill.

2,098,481
BRAKE CONTROL
Frank C. Baird, Detroit, Mich.
Application August 22, 1934, Serial No. 740,979
2 Claims. (Cl. 188—16)



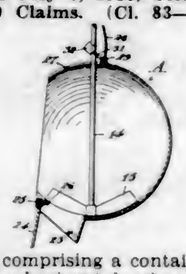
1. In a vehicle having a plurality of traction wheels, individual brake mechanisms associated with each of said wheels, said brake mechanisms each comprising a drum movable with the wheel, a brake support and a shoe mounted on the support and movable to frictionally engage and disengage the drum, hydraulic mechanism operatively related to and operable to simultaneously actuate the shoes, a plurality of manually operable means each operatively related to one of said shoes, said manually operable means each consisting of a shaft rotatably mounted on said support, a spiral faced cam mounted on and operable by rotation of the shaft to operatively engage and disengage the shoe with the drum, a cable having one end connected with the shaft and operable by exerting a pull thereon to rotate the shaft and cause said cam to move the shoe into frictional contact with the drum, a handle member mounted on the other end of each cable, and means for maintaining said handle member in close proximity to the driver's seat.

2,098,482
METHOD OF AND MEANS FOR PREVENTING THE FORMATION OF SLEET ON MOBILE BODIES
Raymond I. Bashford, Philadelphia, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application April 25, 1934, Serial No. 722,405
10 Claims. (Cl. 15—250)



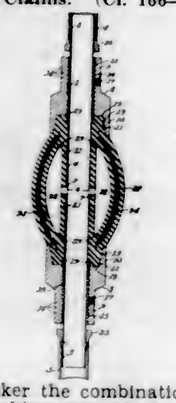
1. The process of preventing the formation of adhering ice on the windshields of vehicles by repeatedly applying to the exposed portions of such windshields the solid, water-soluble hexahydric alcohol, sorbitol.

2,098,483
PLASTER MIXER
Byron D. Bonham, Los Angeles, Calif.
Application July 7, 1936, Serial No. 89,340
9 Claims. (Cl. 83—73)



1. A mixer comprising a container mounted to swing around a horizontal axis, a revoluble shaft extending downwardly into said container, an agitator on said shaft within said container, and means for supporting and driving said shaft remote from and independent of container, said container having a side wall formed with a slot to receive said shaft on swinging said container on its horizontal axis.

2,098,484
PACKER
William J. Brundred, William E. Crowley, and Robert B. Bossler, Oil City, Pa., assignors to Brundred Oil Corporation, Oil City, Pa., a corporation of Pennsylvania
Application April 21, 1936, Serial No. 75,574
7 Claims. (Cl. 166—10)



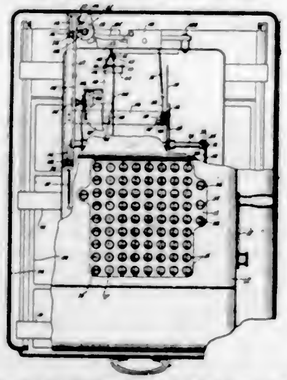
1. In a packer the combination of a stem, a chambered packing element of resilient material surrounding the stem and having its intermediate portion secured thereto, and means for inflating the chamber in said packing element causing it to expand laterally and contract axially of the stem.

2,098,485
JOIST SUPPORT
Eric Carlson, Chicago, Ill.
Application January 21, 1937, Serial No. 121,473
1 Claim. (Cl. 20—94)

A metal joist support, comprising substantially an L-shaped member, the horizontal portion of which is adapted to be received in a slot provided therefor in the narrow face of the stud, said last mentioned portion being provided with a right-angled extension adapted to contact the said narrow face of the stud and to be secured thereto, said right-angled extension being spaced from the vertical portion of said member, so as to provide a substantially square seat for the joist and means provided in said vertical portion for securing the said member to the joist.



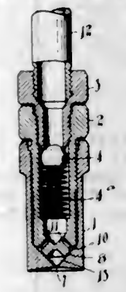
2,098,486
CASH REGISTER
Harold W. Clark, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application March 2, 1936, Serial No. 66,620
7 Claims. (Cl. 235—22)



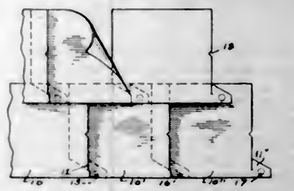
1. A register including an adding machine unit and a plurality of drawers associated therewith, means normally urging each drawer to open position, latch bolts normally holding each drawer in closed position, a bank of clerk or department keys, operating means for the adding machine, normally inoperative latch bolt releasing means operable by said operating means, means released by any one of said clerk or department keys for rendering said latch bolt releasing means operative, movable stop means for limiting the operation of said latch bolt releasing means, and selective means controlling the position of said stop means to selectively release a predetermined latch bolt.

2,098,487
SPRAY NOZZLE
Edward Cooper and Thomas C. Shiels, Toronto, Ontario, Canada, assignors to Elias Rogers Co. Limited, Toronto, Ontario, Canada
Application October 12, 1936, Serial No. 105,208
2 Claims. (Cl. 299—118)

1. In a three piece spray nozzle the combination of a connection for an oil pipe having an internal valve seat; a spray conduit threaded externally on the connection; a spray casing threaded externally on the spray conduit and having a spray outlet formed in its end, the spray conduit and casing co-operating to atomize oil passing to the outlet; a coil spring housed in the spray conduit; and a ball within the spray conduit pressed by the spring and adapted to seat in the connection to cut off the flow of oil close to the nozzle when pressure of the oil supply ceases.



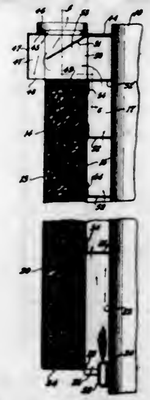
2,098,488
LOCK TYPE SHINGLE
John V. Donahue, Anderson, Ind.
Application May 31, 1930, Serial No. 458,412
4 Claims. (Cl. 108—7)



3. A roof comprising a plurality of composition shingles, each of said shingles being substantially rectangular in shape having a nail flap extending laterally from the lower right corner of the shingle, and having a notch cut out of the lower left hand corner, one of said shingles having a nail through said flap, and the next horizontally adjacent shingle having its left vertical edge above said notch inserted under the right vertical edge of the first shingle down to said flap and having the notch in the second shingle placed around the upper juncture of the flap with the first shingle to permit the butt end of the second shingle to be aligned in the same line including the butt end of the first shingle, and having a nail through the flap of the second shingle, and succeeding shingles similarly assembled one with the other to form a continuous row across the roof, and a second row of shingles overlapping the first row from above said left hand corner notch being formed to have all of the lower left corner to the left of said notch removed below the level of the bottom of said flap juncture.

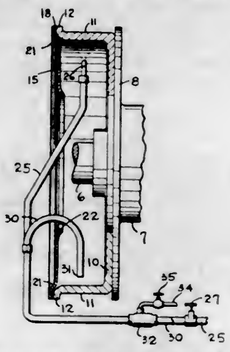
2,098,489
HOT WATER HEATER
Harry H. Everhard, Canton, Ohio
Application September 5, 1936, Serial No. 99,590
7 Claims. (Cl. 122—14)

6. A heater for a cylindrical hot water boiler, including a flexible elongated shell for fitting around the side of the boiler and forming therewith a narrow heating chamber, said shell having circumferentially adjustable top and bottom walls and a heat insulating chamber outside of said heating chamber, and a series of circumferentially adjustable baffles in the heating chamber for conforming to the curved wall of the boiler.



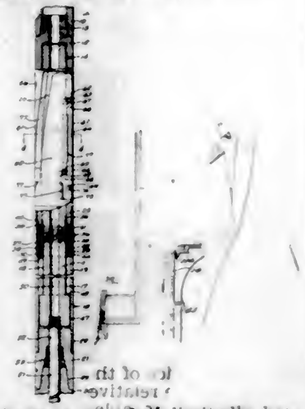
7. A heater for a hot water boiler, including a shell for fitting around the side of the boiler, said shell having walls forming an inner heating chamber and an outer heat insulating chamber, walls forming a flue passage communicating with said heating chamber and extending across and beyond said insulating chamber for communicating with the atmosphere, and a flue communicating with said flue passage.

2,098,490
WATER-COOLED BRAKE DRUM
Walter G. Fitzpatrick, Houston, and Samuel W. Webster, Dallas, Tex.
Application November 16, 1934, Serial No. 753,322
7 Claims. (Cl. 188—264)



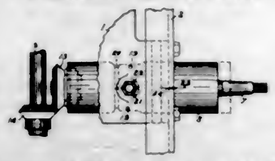
1. A water cooled braking means for hoists including a rotatable brake rim, an annular trough associated with said brake rim, a conduit to introduce water into said trough, means to direct the water from said conduit against an area extending to either side of the top centerline of said trough whereby water will drain from the top area by gravity and cool the remaining surface when the brake rim is stationary, and a suction pipe to remove water from said trough, said pipe being positioned to limit the quantity of water in said trough to less than the static liquid capacity of said trough.

2,098,491
ROTARY JAR
Walter L. Foster, Whittier, and James J. Santiago, Los Angeles, Calif., assignors to John Grant, Los Angeles, Calif.
Application July 6, 1936, Serial No. 88,916
3 Claims. (Cl. 255—27)



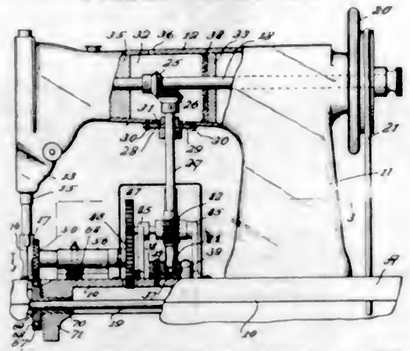
1. In a jar, a body, a mandrel limitedly longitudinally movable and limitedly rotatable in said body, striking shoulders on the mandrel and body and which are brought into engagement by relative longitudinal movement of the mandrel in one direction, said body and mandrel having interengaging transverse shoulders and a longitudinal bearing surface, which shoulders are adapted to be moved out of interengagement by relative rotation of the body and mandrel in one direction, to allow relative longitudinal movement in the stated direction, and which longitudinal bearing surface maintains contact between the body and mandrel during such longitudinal movement, a spring tending to relatively rotate the body and mandrel opposite to the direction which causes shoulder disengagement, and interengaging cam faces on the body and mandrel acting positively to rotate the body and mandrel relatively in said last mentioned direction by virtue of their relative longitudinal movement in the direction opposite to that first stated.

2,098,492
PULLEY ATTACHMENT FOR TRACTORS
Conrad E. Frudden, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original application June 13, 1935, Serial No. 26,352. Divided and this application August 3, 1936, Serial No. 94,016
9 Claims. (Cl. 74—400)



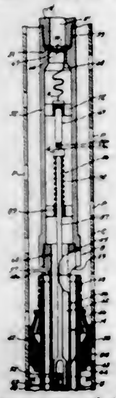
1. In a motor vehicle, a housing, a rotary power shaft within said housing, a sleeve having a series of helically arranged tapered holes in it and being mounted in said housing for rotary and longitudinal sliding movement on an axis angularly disposed relative to the axis of said power shaft, a pulley shaft extending through said sleeve and rotatably mounted therein in axially fixed position, bevel gears secured to said power shaft and pulley shaft for transmitting rotary movement from said power shaft to said pulley shaft, and a set screw on said housing having a tapered end adapted to be wedged into any selected hole of said series for positively locking said sleeve in a plurality of axially adjusted positions affording slightly different depths of mesh of said bevel gears.

2,098,493
TRIMMING MECHANISM ATTACHMENT
William P. Gearty, Chicago, Ill., assignor to Maurice Smoler, Chicago, Ill.
Application April 17, 1935, Serial No. 16,764
6 Claims. (Cl. 112—124)



1. In a sewing machine having a stitching mechanism and driving means for operating it including a shaft, the combination of a rotary cutter, a shaft for said cutter, a vertical shaft connected with said first mentioned shaft and with the cutter shaft for rotating the cutter, a hook carrying shaft, and a freely rotatable annular ring member surrounding said hook shaft and co-operating with the rotary cutter.

2,098,494
APPARATUS FOR CLEANING WELLS
John Grant, Los Angeles, Calif.
Application July 20, 1935, Serial No. 32,401
20 Claims. (Cl. 166—19)



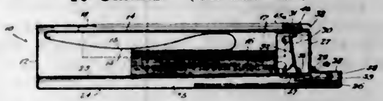
1. In oil well apparatus of the character described, means forming a normally closed low pressure chamber, said means including a wall containing a well fluid inlet opening, an inlet closure applied directly to said wall and across said opening, and explosive means adapted to be fired to open said closure for the entry of a well fluid charge to the chamber.

2,098,495
MECHANICAL MALLET
Harry Daniel Greenberg, New York, N. Y., assignor to Industrial Hammer Development Corporation, a corporation of New York
Application February 10, 1934, Serial No. 710,753
13 Claims. (Cl. 125—33)



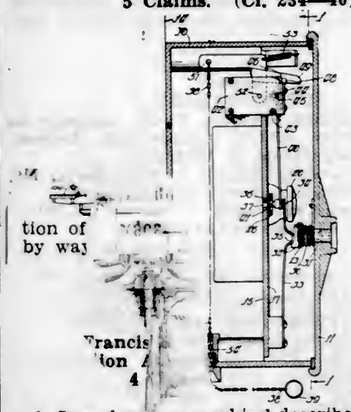
1. In a mechanical mallet, the combination of a casing, a rotatable shaft therein having a screw thread thereon ending in a blind thread, a mallet head having a part thereon for engagement with said screw thread, a latch and a latch-operating part mounted on said mallet head and adapted to catch said part when it is thrown out of engagement with said screw thread, a spring adapted to throw said mallet head when said part is held by said latch, a tool holder in said casing which is adapted to receive the blow of said hammer head, and means for so adjusting said tool holder as to permit said hammer head to descend so low that its said thread-engaging part shall be below the range of engagement of said thread and means whereby said hammer head may be raised sufficiently so that said part shall engage said screw thread.

2,098,496
MANIFOLDING MACHINE
Arthur A. Johnson, Bridgeport, Conn., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application January 31, 1935, Serial No. 4,265
10 Claims. (Cl. 282—21)



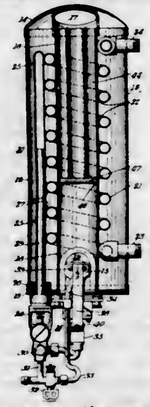
5. A manifolding machine having a box-like casing, a platen over which a plurality of continuous worksheet strips may be advanced, and a tearing edge along which the strips are severed; means including a pair of pins for engaging apertures in the worksheet strips at form-length intervals; a hinged plate on which said pins are mounted to be moved toward and from the front end of the machine; and a manually operated cam slide movable transversely of the machine for controlling the movements of the hinged plate forwardly and backwardly of the machine.

2,098,497
WATCHMAN'S TIME RECORDER
Austin C. Johnson and Theodore M. Wrobie, Chicago, Ill.
Application August 14, 1936, Serial No. 96,001
5 Claims. (Cl. 234—40)



1. In a device of the kind described, a frame, a sheet movable relative to the frame, a bar, means providing a movable pivot connecting the bar with the frame, a punch mounted on the bar normally out of engagement with the sheet and movable beyond its normal position towards the sheet, a stop member mounted on the frame adjacent the movable pivot and providing a fulcrum for the bar as the pivot is moved, mechanism operable to rotate the bar about said movable pivot to move the punch away from the sheet and the bar away from said stop member and then to operatively disengage the bar, means for manually actuating said mechanism, and resilient means adapted to snap the disengaged bar back to normal position in contact with said stop member, the momentum resulting from said return movement of the punch and bar carrying the punch beyond its normal position into momentary punching engagement with said sheet.

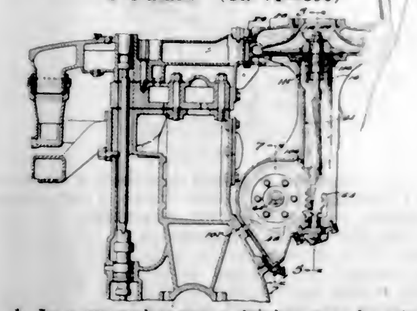
2,098,498
FLUID HEATER
Chester D. Jones, Carnegie, Pa., assignor to The Pittsburg Water Heater Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 6, 1936, Serial No. 62,668
2 Claims. (Cl. 236—33)



1. In a liquid heater, the combination of a

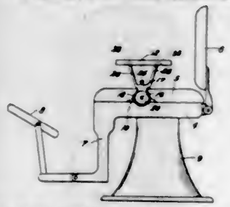
coil through which the liquid passes as it is being heated, a tubular sheath isolated from the liquid and fixed to a plurality of turns of the coil for direct heat conduction to said sheath throughout the heat absorption length thereof, and a thermostatic element within the sheath and arranged to control the application of heat to the coil.

2,098,499
SUPERCHARGER
Floyd F. Kishline, Detroit, Mich., assignor to Graham-Paige Motors Corporation, Detroit, Mich., a corporation of Michigan
Original application August 7, 1935, Serial No. 35,022. Divided and this application May 11, 1936, Serial No. 58,626
4 Claims. (Cl. 74—396)



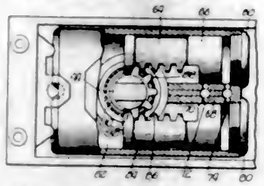
1. In a supercharger, a driving gear housing, a cover plate detachably secured to said housing, a drive shaft journalled in said housing and cover plate, a driving gear on said shaft, and a worm for meshing with said gear, the drive shaft bearing in said gear housing being removable and of sufficient wall thickness whereby said driving gear may be placed into and out of mesh with its worm by tilting or moving the drive shaft toward and away from said worm respectively when said bearing is removed and said cover plate is not secured to the housing.

2,098,500
TREATMENT CHAIR
Frank Koenigkramer and Frederick Koenigkramer, Cincinnati, Ohio
Application March 26, 1936, Serial No. 70,998
3 Claims. (Cl. 155—198)



1. In an arm-rest for a chair of the class described, the combination of a bracket for attachment to the chair, said bracket including an upstanding portion shaped to provide a peripheral curved track of full circle extent, and a friction track adjacent and substantially at right angles to the peripheral curved track, the latter having a vertical notch formed therein, an arm-rest including an enlarged end with a friction track complementary to the first-mentioned friction track, said end being cupped to receive the peripheral curved track of the bracket, and pivoted upon the bracket with the cupped portion thereof concentric to the peripheral curved track of the bracket, and a retractable latch bolt reciprocably mounted upon the arm-rest and having a free end, a spring engaging the bolt to urge said free end constantly against the peripheral curved track of the bracket in all positions of pivotal movement of the arm-rest, said free end being proportioned to enter the notch of the peripheral curved track in one position of the arm-rest.

2,098,501
DOOR CLOSING AND CHECKING DEVICE
David R. Lasier, Chicago, Ill., assignor to Norton-Lasier Company, Chicago, Ill., a corporation of Illinois
Application February 19, 1934, Serial No. 711,909
14 Claims. (Cl. 16—55)



1. Door checking mechanism for a double swinging door comprising a double cylinder containing a checking fluid, a pair of pistons therein, a spindle adapted to be operatively connected to the door and with said pistons and means for moving either of said pistons through a portion only of the door swinging movement according to whether the door is moved in one or the other direction from the closed position thereof.

2,098,502
INNER-SOLE
Robert M. Lehner, Lynn, Mass.
Application November 29, 1935, Serial No. 52,078
5 Claims. (Cl. 36—43)

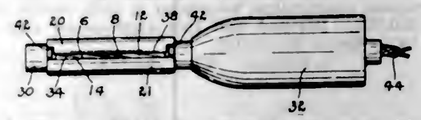


1. An inner-sole made of a single piece of paper material, said material being stiffened by treatment at its heel and toe extremities and forming thereby stiff heel and toe portions and unstiffened center portions of the original paper material providing a flexible center section therebetween, said flexible section having the surface thereof cut lengthwise and crosswise by parallel cuts spaced closely together and extending only for a slight depth into the material whereby said center section is more flexible than the original paper and said extremities more rigid.

2,098,503
METHOD OF INCORPORATING METALLIC DRIERS IN DRYING OIL ALKYD-NITROCELLULOSE BLENDS
William R. Marshall, Upper Darby, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application December 22, 1936, Serial No. 117,145
5 Claims. (Cl. 134—26)

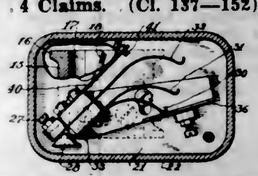
1. In the process of manufacturing quick-drying lacquers from drying-oil alkyd resins and cellulose nitrate, the steps which comprise adding a metallic drier which is a member of the group consisting of cobalt and manganese driers to a solution of a drying-oil alkyd resin and allowing it to stand at least eight hours before mixing with a cellulose nitrate solution.

2,098,504
MOTOR DRIVEN RAZOR
August Mattson, John I. Smith, and Erick Frans, Algona, Wash.
Application August 31, 1935, Serial No. 38,818
2 Claims. (Cl. 30—43)



1. The combination with a rotary razor blade having end journals, of a housing having diametrically opposed longitudinal openings and comprising longitudinal sections, each said section having an outwardly bent free edge along an opening, said edge being adapted for marginal contact with the blade, bearings on the housing for said journals, and detachable means for securing said bearings about the journals.

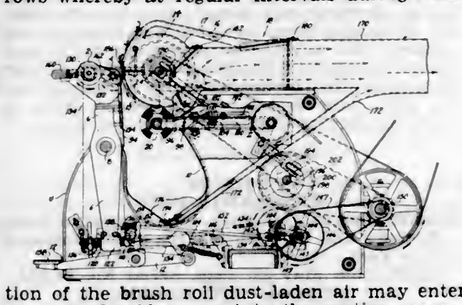
2,098,505
GOVERNOR
Neel M. McCullough and Calvin C. Cook, Anderson, Ind., assignors to Pierce Governor Company, Anderson, Ind., a corporation of Indiana
Application March 2, 1934, Serial No. 713,680
4 Claims. (Cl. 137—152)



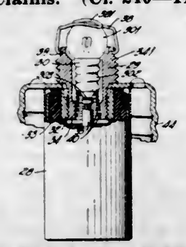
1. A spring structure for controlling movement of the throttle valve in a speed-governor of the velocity type, comprising a saddle adapted for attachment to the shaft of said valve, a leaf spring secured to said saddle and extending generally radially therefrom, an arm secured to said saddle and extending in spaced relation to said spring, and an adjustable abutment carried by said arm and adjustable toward and away from said spring.

2,098,506
BUFFING MACHINE
George E. McLaughlin, Salem, and Winn E. Broughton, Peabody, Mass., assignors to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Original application June 5, 1936, Serial No. 83,718. Divided and this application January 12, 1937, Serial No. 120,286
8 Claims. (Cl. 51—78)

1. In a buffing machine, a driven cylindrical roll having an abrasive surface to effect buffing of a surface of a piece of leather, a suction device having an opening adjacent to the abrasive surface of the cylindrical roll to carry away dust-laden air, and a brush roll located in front of the opening into said suction device and in position to brush lightly the surface of the abrasive roll, said brush roll having its bristles in rows alternating with relatively wide spaces between the rows whereby at regular intervals during rotation of the brush roll dust-laden air may enter by way of said spaces into the suction means.

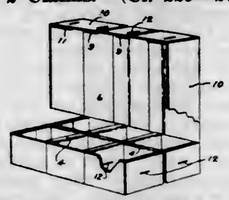


2,098,507
FLASH LAMP
Francis R. Meginniss, Albany, N. Y.
Application August 14, 1935, Serial No. 36,097
4 Claims. (Cl. 240—11.3)



1. In a portable electric light, a socket, an electric lamp provided with a base receivable in said socket, yielding means located in said socket and engageable with said base for ejecting said lamp from said socket, means engageable with the bulb of said lamp for normally retaining the same in operative position in said socket, the base of said lamp being provided with a fixed contact thereon, a second contact fixed relatively to said lamp and engageable with said contact on said base, and means whereby said normally fixed contact may be adjustably positioned along said socket to fixed positions whereby lamps of variable over-all lengths may be used without substantially varying the pressure exerted by the lamp engaging means on said bulb.

2,098,508
CARDBOARD BOX
Edmund L. Moore, Springfield, Mass.
Application September 24, 1935, Serial No. 41,850
2 Claims. (Cl. 229—27)



1. A one piece box blank for forming a multi-compartment box by folding of the blank which comprises sections forming the bottoms of the compartments, sections forming the side walls of the compartments and sections forming a

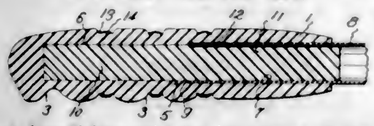
cover, the blank being scored at the union of said sections, the adjacent side wall sections of adjacent compartments being united to each other, and the blank being scored at the union of said adjacent side wall sections, whereby the several compartments of the set up box are separated from each other by double walled partitions, and the said cover sections overlap each other to form reenforcing ribs across the box cover.

2,098,509
HANDLEBAR GRIP

John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application May 23, 1936, Serial No. 81,391

2 Claims. (Cl. 208—126)



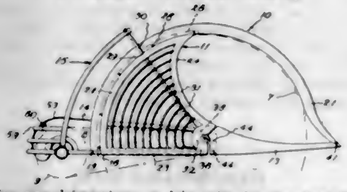
2. A handlebar grip for bicycles and the like which comprises a barrel member formed of a flexible rubber compound and having a bore extending from one end to a point adjacent the other end, a core member formed of flexible rubber compound, one end of said core making a compressed fit in the closed end portion of said bore, the portion of the bore adjacent the open end being enlarged to form with the core an annular recess in which the end of the handlebar may be inserted by a stress imposing distortion of the barrel and core, the outer surface of the barrel being provided with one or more spaced circumferential grooves and bands of metal surrounding the barrel at the bottom of said grooves.

2,098,510
WHEEL AND CHAIN GUARD FOR BICYCLES

John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application May 23, 1936, Serial No. 81,392

3 Claims. (Cl. 280—152.2)



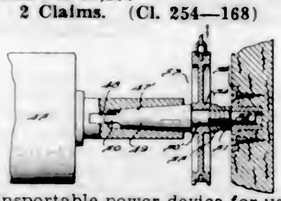
3. In combination, a bicycle frame having the rear ends of the rear fork members at each side integrally connected to vertical plate members, an arcuate mudguard having its forward end secured to the horizontal portion of the rear fork and extending around the upper portion of the rear wheel in substantially concentric relation thereto, the rear end portion of the mudguard being extended downwardly to the level of the horizontal members of the rear fork, generally triangular skirt guards positioned on opposite sides of the rear wheel, each of said skirt guards being integrally formed of sheet metal and having an arcuate edge portion rigidly secured over substantially its entire length to the adjacent edge of the forward portion of the mudguard, the skirt guards being positioned outwardly of the rear fork members and extending to the horizontal fork member of the frame, the rear end portions of the skirt guards being rigidly secured to the adjacent vertical plate member of the rear fork, tail pieces rigidly connecting the rear end of the mudguard to the vertical plates, and a flanged sprocket guard connected at its forward end portion to the frame of the bicycle and having its rear edge secured to the forward edge of the adjacent skirt guard.

2,098,511
HOISTING DEVICE

Sulo M. Nampa, Detroit, Mich., assignor to The Worth Company, a corporation of Michigan

Original application November 2, 1932, Serial No. 640,798. Divided and this application July 6, 1936, Serial No. 89,107

2 Claims. (Cl. 254—168)



1. A transportable power device for use in conjunction with freight car loading devices comprising a motor, a shaft driven by the motor, a power sheave on the shaft, and pilot means on the end of the shaft beyond the sheave and adapted to cooperate with a stationary pilot means for anchoring the device during use.

2,098,512
EYEGLASS CONSTRUCTION

George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine

Application August 1, 1933, Serial No. 683,135

4 Claims. (Cl. 88—53)



1. In eyeglass construction, in combination, a lens, lens retaining means secured to said lens including a flat portion following and adjacent to the edge of said lens, said flat portion being wider than the edge of said lens, a lug extending from said flat portion in a substantially horizontal direction, a part fitting over said lug, a member pivotally connecting said lug and said part, and a temple bow curving inwardly toward the edge of said lens and connected to the outer side of said part, said part including a flat vertical inner surface substantially equal in extent to said flat portion, said flat surface running in a direction to be in substantially complete engagement with said flat portion when said temple is in its unfolded position to limit the unfolding movement of said temple.

2,098,513
EYEGLASS CONSTRUCTION

George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine

Application January 4, 1934, Serial No. 705,174

9 Claims. (Cl. 88—45)

7. An ophthalmic mounting comprising a pair of lens holding devices, a closed loop member secured to each of said devices, and a substantially flat straight spring which passes through the loop members and has its respective ends soldered



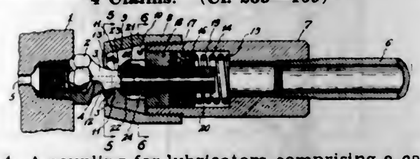
to the devices at points spaced from the loop members.

2,098,514
COUPLING FOR LUBRICATORS

Walter G. Nord, Amherst, Ohio, assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application October 27, 1931, Serial No. 571,445

4 Claims. (Cl. 285—169)



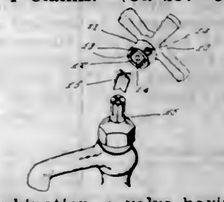
4. A coupling for lubricators comprising a casing; cooperating jaws movably mounted at one end of said casing and forming a nipple-receiving opening; a piston slidable in said casing and adapted to move said jaws into clamping position; resilient means urging said piston to move said jaws; a plunger slidable in said piston and having one end near the inner end of said opening; a sealing member carried by said plunger end; and resilient means urging said plunger toward the inner end of said opening, said piston being between the said two resilient means and compounding the resilient action thereof.

2,098,515
VALVE HANDLE

Frank J. Pardieck, Indianapolis, Ind.

Application November 18, 1935, Serial No. 50,297

4 Claims. (Cl. 287—53)



1. In combination, a valve having a rotatable valve-stem provided in its end with two longitudinally extending slots, a cruciform keying element disposed in said slots, a handle having a central recess provided with longitudinally extending grooves adapted to receive the edges of said cruciform element, and one or more setscrews mounted in said handle in position to engage said valve-stem between adjacent slots therein.

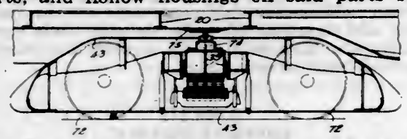
2,098,516
RAILWAY CAR CONSTRUCTION

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application March 29, 1934, Serial No. 717,920

9 Claims. (Cl. 105—2)

2. In a railway vehicle, underconstruction including body underframing parts and truck parts, center bearing connections between said parts, members enclosing the adjacent portions of said parts, and hollow housings on said parts surrounding said connections, said members and housings cooperating to form streamline structure for reducing air resistance to movement of the vehicle.



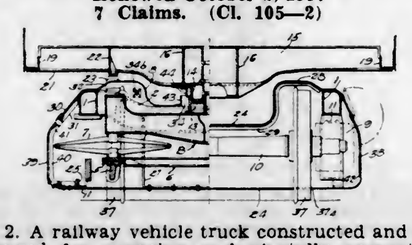
2,098,517
RAILWAY TRUCK STRUCTURE

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application March 29, 1934, Serial No. 717,921

Renewed October 2, 1937

7 Claims. (Cl. 105—2)



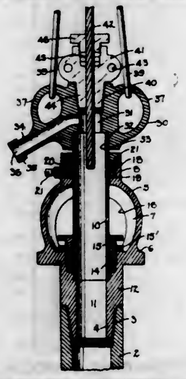
2. A railway vehicle truck constructed and arranged for engaging and pivotally supporting the vehicle body and having streamlined top cover structure independent of the vehicle body and closely following the adjacent contour of the truck, portions of said structure intermediate the sides of the truck being substantially depressed lengthwise of the truck in comparison with the side portions thereof to accommodate irregularities in the under surface of the supported vehicle body underframe.

2,098,518
WIRE LINE SWIVEL

Felix L. Pivoto, Liberty, Tex.

Application November 4, 1935, Serial No. 48,201

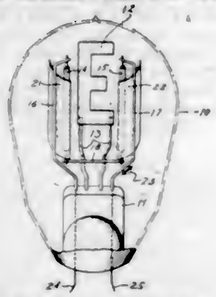
3 Claims. (Cl. 255—25)



1. A swivel for use in well drilling operations to support the drill pipe and adapted to accommodate wire line operated tools therein comprising a body, a spindle therein, bearings supporting said

body on said spindle, means to support said spindle, a vertical passage through said spindle, a head thereon having a passage in alignment with said spindle passage and a plug normally closing said passage but removable for the insertion and removal of tools through said swivel which are manipulated by a wire line passing through said swivel.

2,098,519
DISPLAY DEVICE
Samuel Ruben, New Rochelle, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application August 23, 1930, Serial No. 477,301
Renewed September 26, 1936
8 Claims. (Cl. 176—14)



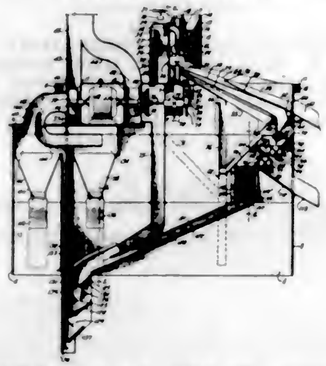
1. In a gas glow lamp an electron emitting element, means to connect said element in a circuit so that current is caused to flow through said element, an ionizable gas surrounding said element and having a pressure such that the visible ionization of said gas is confined to the region of said element when said element is energized, a member adapted to be illuminated, means to direct the light from said element upon said member, and a sealed envelope enclosing said gas and member.

2,098,520
WELL CLEANING DEVICE
James J. Santiago, Los Angeles, Calif., assignor to John Grant, Los Angeles, Calif.
Application May 20, 1935, Serial No. 22,297
23 Claims. (Cl. 166—19)



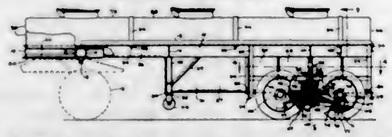
1. In a well cleaning device, a body forming a low pressure chamber, normally closed means adapted to be opened to admit well liquid to said chamber, a member movable relative to said body from retracted to projected position to open the first mentioned means, means for releasably holding said member in retracted position, and a suspension means on which said body is lowered into the well, said member being movable from non-retracted position to retracted position and into retained but releasable engagement with said holding means after said body has been lowered in the well.

2,098,521
APPARATUS FOR PROCESSING GRAIN
William A. Seymour, Leavenworth, Kans.
Application July 3, 1933, Serial No. 678,884
3 Claims. (Cl. 83—35)



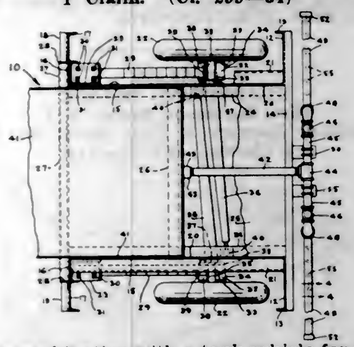
1. Apparatus of the character described including a support for a travelling stream of grain, a vibrator adapted for delivering grain onto said support, means for inducing a stream of air over the support in the direction of travel of the grain stream, means for confining the air stream in tangential pressing contact with said grain stream to effect rolling action of the grain particles in response to thrust of said particles against the support by the air stream and propulsion of said particles in response to said tangential contact of the air stream with said particles.

2,098,522
TANK VEHICLE
Roy B. Simning, Minneapolis, Minn., assignor, by mesne assignments, to himself and Harold J. Murphy, St. Louis Park, Minneapolis, Minn., and George Verne Watson, Minneapolis, Minn.
Application December 13, 1935, Serial No. 54,277
17 Claims. (Cl. 280—5)



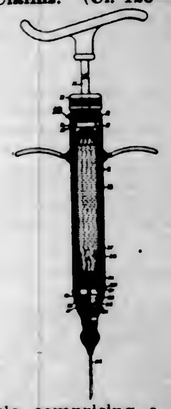
5. A tank vehicle comprising a vehicle frame including spaced apart, longitudinally extending girder members at opposite sides of said frame and means integrally connecting said girder members to each other, wheel housings integral with the girder members and extending downwardly and inwardly therefrom, wheels and mounting means therefor at the opposite sides of the vehicle and at the outer sides of said wheel housings, said mounting means being connected to said wheel housings, and a tank for material spanning the space between said girder members and extending therebelow, said tank being supported by said frame, and a lower portion of the tank spanning the space between and being fitted to said wheel housings.

2,098,523
SPRAY DEVICE
Roy B. Simning, Minneapolis, Minn., assignor, by mesne assignments, to himself and Harold J. Murphy, St. Louis Park, Minneapolis, Minn., and George Verne Watson, Minneapolis, Minn.
Application April 16, 1936, Serial No. 74,652
1 Claim. (Cl. 299—34)



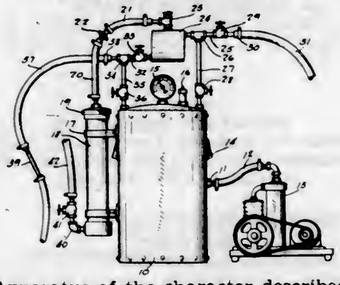
The combination with a tank vehicle for transporting a liquid, of a horizontally disposed spray device mounted on said vehicle to extend transversely thereof and associated with the tank of the vehicle as a medium for applying liquid to a highway, said spray device being constituted as a hollow bar having equally spaced nozzle outlets in its lower portion and arranged vertically and in longitudinal alinement along the length of the spray bar, each nozzle outlet including means for spraying liquid in a stream of approximately uniform thickness diverging downwardly in direction transversely of the vehicle and longitudinally of the spray device, and said nozzle outlets having such relation to each other and to the earth's surface that adjacent divergent streams emitted from the several nozzle outlets will slightly overlap, and means constituted as a mounting for said vehicle for precluding sidewise swaying of the vehicle and for substantially constantly maintaining the spray device in parallel relation to the surface of a highway while the vehicle is traveling over said highway.

2,098,524
SYRINGE
Arthur E. Smith, Los Angeles, Calif.
Application April 3, 1935, Serial No. 14,499
4 Claims. (Cl. 128—218)



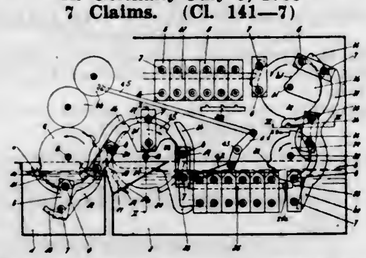
1. An ampule comprising a cylindrical body having a movable closure at one end, a fixed closure at the other end, one of said closures including a resilient body having a peripheral wall engaging said ampule and having a chamber therein, a depressible protuberance on said closure outwardly of said chamber and in alignment therewith, a preparation in said chamber, and a disk forming the outer wall of said chamber, said disk being resiliently engaged by said closure whereby when the protuberance is depressed the disk is freed.

2,098,525
BEER PIPE CLEANING APPARATUS
Clarence C. Smith, Atlantic City, N. J.
Application October 8, 1935, Serial No. 43,996
3 Claims. (Cl. 225—12)



1. Apparatus of the character described, comprising an air reservoir, means for supplying air under pressure to the reservoir, a line adapted to be connected at one end to a source of water supply and at the other end to a coil to be cleaned, a pair of conduits extending from the reservoir to the line, means for controlling the flow of air through said conduits, and a tubular member extending from said line at a point intermediate the conduits and including a valve.

2,098,526
MACHINE FOR CLEANING VESSELS, PARTICULARLY BOTTLES
Friedrich Stegemann, Bad Kreuznach, Germany, assignor to Seitz-Werke G. m. b. H., Bad Kreuznach, Germany, a corporation
Application October 7, 1936, Serial No. 104,565
In Germany July 5, 1933
7 Claims. (Cl. 141—7)



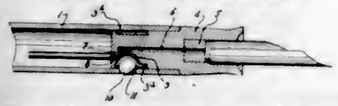
1. In a machine for cleaning vessels, a plurality of baskets each accommodating a plurality of said vessels, said baskets having upper and lower pairs of lateral projections, two pairs of rotatably mounted adjacent basket carrying wheels, each of said pairs of wheels having means for engaging both pairs of projections of the baskets, means for guiding the upper ends of the baskets from one pair of carrying wheels to the next pair of carrying wheels, the baskets being so fed by action of the one pair of rotating carrying wheels on the lower pair of projections of the baskets.

2,098,527
METHOD OF CLEANING FIBROUS MATERIALS
Kurt Stickdorn, Rossiau/Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application October 28, 1932, Serial No. 640,014. In Germany October 28, 1931
6 Claims. (Cl. 87—5)

1. The method of cleaning fibrous material which consists of washing the same in an aqueous bath containing as a wetting-out and cleaning agent material of the group consisting of soap-forming fatty acid, sulfonated lauryl alcohol and Turkey-red oil neutralized by material of the group consisting of cyclohexylamine, cyclopentylamine and methylcyclohexylamine.

6. A cleaning composition comprising as principal ingredients cyclohexylamine and water soluble soap.

2,098,528
FOUNTAIN PEN VALVE
Anatol N. Andrews, Los Angeles, Calif.
Application May 23, 1936, Serial No. 81,453
1 Claim. (Cl. 120—48)



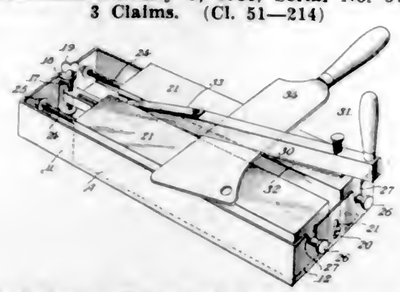
In a fountain pen a sacless shut off valve which is independent, separated and sealed from pen ink container, and includes in combination a tubular band of soft, flexible, stretching and springy material mounted over the middle section of feed channel walls and a valve seat, and the band is not extended into the ink container, and is not a part thereof,—and a valve seat mounted in the feed channel and separated from the ink container by the upper section of the feed channel and walls thereof,—and a press button mounted in an opening in the lower section of the pen over the tubular band and the valve seat,—and the opening and the press button are insulated and sealed from the ink and the ink container by the tubular band and walls of the feed channel.

2,098,529
METHOD AND APPARATUS FOR CHARGING BLASTING CARTRIDGES
Frank H. Armstrong, Chicago, Ill., assignor to Safety Mining Company, Chicago, Ill., a corporation
Application March 16, 1936, Serial No. 69,209
9 Claims. (Cl. 102—5)



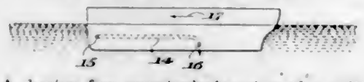
1. A portable blasting cartridge charger comprising a wheeled truck, a liquid receptacle mounted on the truck, a plurality of receivers connected in series and positioned within the receptacle, means for connecting the series of receivers to a source of compressed gas to charge the receivers to a pressure at least equal to the desired charging pressure of the cartridges and for connecting the receivers to the cartridges to be charged, and means mounted on the truck for forcing liquid from the receptacle into the series of receivers as cartridges are charged with compressed gas therefrom to maintain the gas remaining in the receivers at the desired charging pressure of the cartridges.

2,098,530
SHARPENING DEVICE
Silvio Battocchi, Bronx, N. Y.
Application January 3, 1936, Serial No. 57,430
3 Claims. (Cl. 51—214)



1. A device of the kind described, comprising a container, sharpening elements arranged within said container, a carriage slidable between the elements, a swinging work holder mounted on the carriage, and a vertically adjustable track for the carriage.

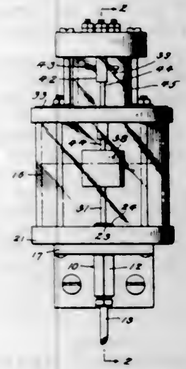
2,098,531
STABILIZATION OF SHIPS
William Lawrence Bazé, Paris, France
Application May 21, 1934, Serial No. 726,861
In France May 27, 1933
2 Claims. (Cl. 114—122)



1. A device for counterbalancing the rolling of a ship comprising two stabilizers symmetrically placed on the sides of the ship, each stabilizer consisting of a tube opening under the water at the bow of the ship in a direction parallel to the direction in which the ship is sailing and ending in an outlet the axis of which is located on the widest part of the ship in a plane substantially perpendicular to the direction in which the ship is sailing, this axis being furthermore inclined downwardly below the horizontal and passing close to the hull as far as possible from the axis of oscillation of the boat and each stabilizer being provided with a suitable valve, means for alternately actuating said valves so that one of the tubes is open while the other is closed, this alternation following the motion of the ship in order to give the proper direction to the stabilizing couple created.

2,098,532
FIRE ALARM-ACTUATING MEANS
Roman Blace Bukolt, Stevens Point, Wis.
Application August 13, 1936, Serial No. 95,922
4 Claims. (Cl. 200—82)

1. In a fire alarm apparatus, a reservoir, a liquid-containing line, communicating means between said line and reservoir, an alarm-operating member operatively associated with said communicating means and biased against operation except under impact of a rapid surge of liquid through said communicating means caused by abnormal expansion of the liquid in said line, said reservoir being of sufficient capacity to hold all liquid flowing thereto from said line to save said liquid for return through said communicating means to said line, said communicating means being connected with said reservoir at such a point as to be sealed by the liquid in said reservoir, preventing air from entering said line, the whole providing an automatic liquid-surged-actuated alarm apparatus which is self-conditioning for further operation unless injured in the preceding operation.



2,098,533
METHOD OR PROCESS OF TREATING PAPER
Herman Carew, Easton, Pa., assignor, by mesne assignments, to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 8, 1934, Serial No. 724,615
3 Claims. (Cl. 91—70)

1. The method or process of treating receptacles or containers made of paper or similar material which consists in initially applying high temperature paraffin or similar material at the point of manufacture of the receptacle and then applying a coating of low temperature paraffin or similar material aften shipment to the point of use and just prior to filling, said last application acting to sterilize the receptacle or container just prior to use.

2,098,534
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,652
9 Claims. (Cl. 91—68)

1. An article of manufacture having a continuous unbroken moistureproof surface comprising a film-forming substance and a solid alcohol having a melting point of at least 37° C. as the moistureproofing agent, said alcohol being selected from the group which consists of diheptadecyl carbinol and methyl phenyl octadecyl carbinol and present in an amount to impart moistureproofness to said article.

2,098,535
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,654
14 Claims. (Cl. 91—68)

1. An article of manufacture having a continuous unbroken moistureproof surface comprising a film-forming substance and a solid organic ether as the moistureproofing agent, said ether having a melting point of at least 37° C. and being a mono-ether containing no modifying groups in the molecule and having at least 18 hydrocarbon carbon atoms for the ether-oxygen group, said ether being present in an amount to impart moistureproofness to said surface.

2,098,536
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,655
19 Claims. (Cl. 91—68)

1. An article of manufacture having a continuous unbroken moistureproof surface comprising a film-forming substance and a solid organic polyether having a melting point of at least 37° C. as the moistureproofing agent, said polyether containing no modifying groups in the molecule and being selected from the class which consists of (1) diethers having at least 11 hydrocarbon carbon atoms for each oxygen-ether group, (2) triethers having at least 8 hydrocarbon carbon atoms for each oxygen-ether group, and (3) ethers containing more than 3 oxygen-ether groups and having at least 5 hydrocarbon carbon atoms for each oxygen-ether group, said ether being present in an amount to impart moistureproofness to the article.

2,098,537
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,656
10 Claims. (Cl. 91—68)

4. An article of manufacture comprising a transparent, flexible, non-fibrous base sheet or film having an unbroken continuous transparent moistureproof flexible non-tacky coating comprising a film-forming substance, a solid organic ketone having a melting point of at least 37° C. as the moistureproofing agent and a blending agent, said ketone containing no modifying groups in the molecule and having at least 20 hydrocarbon

carbon atoms for the carbonyl group and being present in an amount to impart moistureproofness to said article.

2,098,538
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,657
11 Claims. (Cl. 91—68)

1. An article of manufacture comprising a continuous moistureproof unbroken solid film comprising a film-forming substance and an n-aryl substituted amide having a melting point of at least 37° C. as the moistureproofing agent, said amide containing no modifying groups in the molecule, having at least 17 hydrocarbon carbon atoms for the CON group and being present in an amount to impart moistureproofness to the article.

2,098,539
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,658
19 Claims. (Cl. 91—70)

13. An article of manufacture comprising a transparent regenerated cellulose base sheet or film having a continuous unbroken transparent moistureproof coating comprising a film-forming substance and an organic halogen compound having a melting point of at least 37° C. as the moistureproofing agent, said organic halogen compound containing no modifying groups in the molecule and being selected from the class which consists of (1) mono-halides containing at least 18 hydrocarbon carbon atoms for the halogen group, (2) di-halides containing at least 10 hydrocarbon carbon atoms for the halogen group, (3) tri-halides containing at least 8 hydrocarbon carbon atoms for each halogen group, (4) tetra or higher halides containing at least 5 hydrocarbon carbon atoms for each halogen group, said organic halogen compound being present in an amount to impart moistureproofness to the article.

2,098,540
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,659
14 Claims. (Cl. 91—68)

1. An article of manufacture having a continuous unbroken moistureproof surface comprising a film-forming substance and a monobasic acid ester of a monohydric ether alcohol, said ether alcohol containing only one ether linkage, said ester having a melting point of at least 37° C. and containing at least 23 hydrocarbon carbon atoms as the moistureproofing agent, said ester being present in an amount to impart moistureproofness to the article.

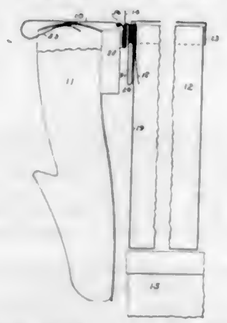
2,098,541
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,660
22 Claims. (Cl. 91—68)

1. An article of manufacture comprising a base having a continuous coating comprising a film-forming substance and an organic-metallic compound in which the valences of the metallic portion of the compound are all satisfied by hydrocarbon carbon atoms and having a melting point of at least 37° C. as the moistureproofing agent, the organic-metallic compound being present in an amount to impart moistureproofness to the product produced from said composition.

2,098,542
MOISTUREPROOF ARTICLE
William Hale Charch, Buffalo, N. Y., and Merlin Martin Brubaker and Frederick M. Meigs, Wilmington, Del., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 21, 1934, Serial No. 758,661
26 Claims. (Cl. 91—68)

1. An article of manufacture comprising a base having a continuous coating containing a solid organic sulphur compound having a melting point of at least 37° C. and selected from the group which consists of thio ethers, mercaptans, thio aldehydes and thio acids, the organic sulphur compound being present in an amount to render said coating moistureproof.

2,098,543
DISPLAY HOLDER
Arthur C. Handler and Morris H. Wansky, Akron, Ohio; said Wansky assignor to said Handler
Application April 19, 1934, Serial No. 721,411
6 Claims. (Cl. 24—81)

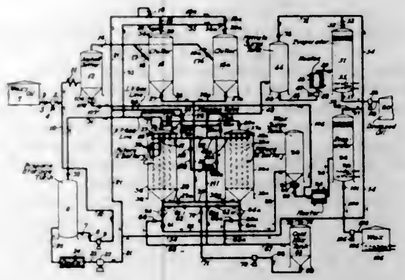


1. In a display holder, the combination with a clamp, a groove shaped receptacle to receive a display card, and an extended arm with an adjustable friction slide clamp adjacent thereto.

2,098,544
PROCESS OF MANUFACTURE OF SHREDDED GRAIN PRODUCT
James Robert Hill, Battle Creek, Mich., assignor to Ralston Purina Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application July 5, 1935, Serial No. 29,919
2 Claims. (Cl. 99—84)

1. The process of manufacture of a flavored shredded grain product which comprises softening the natural grains, applying deforming pressure to the grains sufficient to produce cracks in the exterior coating but insufficient to cause breaking off of any parts of the grains, partially cooking the grains, treating the grains with a flavoring material, and delivering them in whole grain form to shredding rolls.

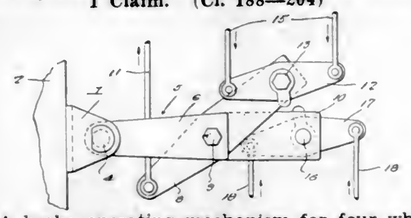
2,098,545
PROCESS FOR FILTERING WAX FROM OILS
Basil Hopper and Kenneth Kingman, Palos Verdes Estates, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 25, 1935, Serial No. 12,770
12 Claims. (Cl. 196—19)



2. A process for filtering difficultly filterable slurries of crystallized wax and oil which have been removed as the unfiltered portion from a previous filtration of an originally easily filterable slurry, which comprises chilling a solution of waxy oil in a diluent consisting predominantly of hydrocarbons having a vapor pressure between ethane and butane, to form a chilled slurry of crystallized wax, oil and diluent, introducing said chilled mixture into a filter and subsequently introducing said difficultly filterable slurry of crystallized wax, oil and diluent into said filter, said oil in both of said easily and difficultly filterable slurries having substantially the same gravities.

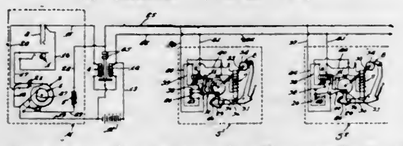
5. A process for filtering difficultly filterable slurries of crystallized wax and oil which comprises introducing chilled slurries of crystallized wax and oil into a filter under pressure until a wax cake of desired thickness is formed on the filter leaves of said filter, discontinuing the supply of chilled slurry to said filter and continuing filtration in said filter by imposing fluid pressure in said filter until a portion of the contents remaining in the filter shell after discontinuation of chilled slurry to said filter is filtered and discontinuing said filtration by imposed fluid pressure while a substantial portion of said contents still remains in said filter as a body of unfiltered slurry of crystallized wax and oil which may be readily withdrawn from said filter.

2,098,546
BRAKE OPERATING MECHANISM
Gerry G. Ingalls, Newport, Minn.
Application May 13, 1936, Serial No. 79,581
1 Claim. (Cl. 188—204)



A brake operating mechanism for four wheel brakes on automobiles including, a yoke pivotally mounted at one end for horizontal swinging movement and comprising a pair of upper and lower arms the lower one longer than the upper one, an operating lever pivotally mounted intermediate its ends between said arms and adjacent to the outer end of the shorter arm to swing about a vertical axis and having an inner end disposed intermediate the pivot thereof and the pivot of said yoke and an outer end adapted to overlie the outer end of the longer yoke arm, the inner end being connected to the brake pedal of the automobile, a brake rod lever pivoted intermediate its ends on the outer end of the longer yoke arm and having a pair of brake rods connected to its opposite ends, respectively, a similar brake rod lever pivoted intermediate its ends on the outer end of the operating lever at the same distance from the pivot of the operating lever as the pivot of the brake rod lever first mentioned, and a pair of brake rods connected to opposite ends of the last mentioned brake rod lever, respectively.

2,098,547
TIME CONTROLLED SYSTEM
Edward B. Jackson, Downers Grove, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application October 15, 1934, Serial No. 748,314
12 Claims. (Cl. 58—24)

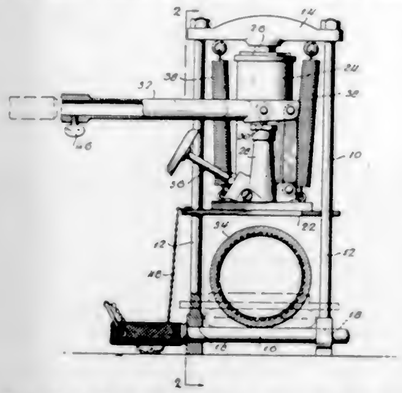


1. In a secondary apparatus for use in a corrective time controlled system, an operating magnet and an armature lever therefor, means mechanically operated by said lever upon energization of said magnet when said apparatus is in a predetermined chronological position for opening the circuit of said magnet, and a second magnet for holding said last means in operated position independently of its operating means.

2,098,548
HOSE JACK
Louis J. Kick, Union City, N. J.
Application April 15, 1936, Serial No. 74,463
3 Claims. (Cl. 251—5)

1. A hose jack comprising a four-sided frame, a hydraulic jack unit disposed within said frame and comprising a base and a cylinder fixed thereto and a plunger within said cylinder, said base engaging and being guided by the opposite side members of said frame, said plunger being fixed

with respect to an end of said frame, means associated and moveable with said cylinder for pumping liquid into the cylinder between the respective adjacent ends of the latter and the plunger whereby said cylinder is forced away from said end of said frame to compress the hose between the other end of said frame and said base, valve means



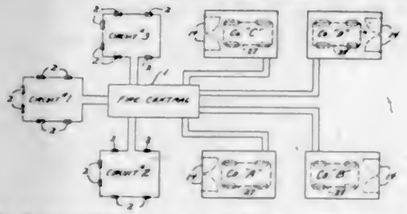
associated and moveable with said cylinder for relieving the liquid pressure to permit movement of said cylinder and plunger together to release the hose, and tension spring means secured at one end thereof to said frame and at the other end thereof to said unit and operating to urge said cylinder toward said plunger.

2,098,549

EMERGENCY ALARM AND MOTOR STARTING SYSTEM

George Edgar Luke, Syracuse, N. Y.

Application November 25, 1935, Serial No. 51,536
3 Claims. (Cl. 177—383)



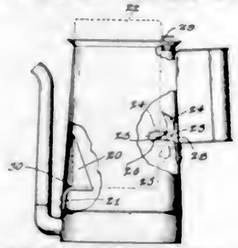
1. An emergency system of the class described, comprising a call box circuit, an alarm circuit operable by the call box circuit, a housing station in the alarm circuit for housing a motorized emergency vehicle having an internal combustion engine for propelling the same and having electrical starting means including a power source on the vehicle for starting the engine under manual control of the vehicle operator, means for automatically starting the engine of the motorized emergency vehicle at the housing station independently of the power source on the vehicle and incident to initiation of an alarm signal from the call box circuit, said last-named means including another power source permanently maintained at the housing station and adapted to be connected with the starting means on the vehicle responsive to operation of the alarm circuit to transmit an alarm signal, and means operable at a point remote from the vehicle in the housing station for automatically starting the engine independently of the call box circuit.

2,098,550

DISPENSING RECEPTACLE

William B. W. Mann, Towson, Md., assignor of one-fourth to Robert E. Barry and one-fourth to Summerfield G. Nottingham, both of Washington, D. C.

Application December 12, 1933, Serial No. 702,083
35 Claims. (Cl. 221—23)



31. A liquid dispensing device comprising in combination, a hollow holder adapted to engage a sealed can containing a liquid to be dispensed, means for emptying said holder, and means operatively connected with the holder for cutting through the bottom and side walls of said can whereby the liquid will flow from the can into said holder.

2,098,551

REACTION PRODUCT OF AN ESTER-LIKE WAX AND A BASE

Ludwig Orthner, Leverkusen I. G. Werk, and Helmut Keppler, Leverkusen-Schlebusch, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 23, 1933, Serial No. 658,268. In Germany March 3, 1932
15 Claims. (Cl. 260—124)

6. The composition of matter which comprises as an essential ingredient a reaction product obtainable by reacting upon a natural or synthetic ester-like wax with a nitrogenous base selected from the group consisting of ammonia, primary and secondary aliphatic, cycloaliphatic, araliphatic and aromatic amines, polyalkylene-polyamines containing at least one hydrogen atom connected to a nitrogen atom, and piperidine, and treating the resulting compounds with an agent raising their hydrotropical properties selected from the group consisting of salifying, alkylating and acylating agents, the said reaction products being wax-like substances which are easily soluble or easily dispersed in water and having good properties as dispersing, softening, sizing, greasing, finishing, impregnating, cleansing, wetting, washing, foaming and equalizing agents.

2,098,552

AGRICULTURAL IMPLEMENT

Martin J. Petersen, Canyon, Minn.

Application February 23, 1937, Serial No. 127,305
14 Claims. (Cl. 97—10)



1. A machine of the character described comprising a wheeled carriage having steering mech-

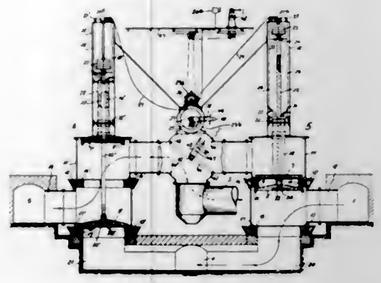
anism, a frame supported in the carriage, mechanism within said frame for feeding of earth in slice formation and turning of the slice upside down prior to delivery from the frame, a cutter forwardly of said frame for slicing earth from a ground surface, mechanism partly operative from a wheel of the carriage for elevating and lowering the frame away from and to working relation to the ground, and mechanism operative from a wheel of the carriage for driving the second-mentioned mechanism.

2,098,553

REGENERATIVE FURNACE

Otto Reiner, Rheinhausen/Niederrhein, Germany

Application September 28, 1936, Serial No. 103,023
In Germany October 2, 1935
10 Claims. (Cl. 277—6)



1. In a regenerative furnace, regenerator chambers, means for supplying heating gas to, and exhausting waste gas from, said regenerator chambers, a reversing apparatus comprising a pair of controls each connected to one of said regenerator chambers and to said exhausting means, a reversing valve connected to both controls and to said supplying means, a pair of controlling valves in each control for alternately connecting the corresponding regenerator chamber to said reversing valve and to said exhausting means, a timing mechanism, means for actuating the mechanism, means for operatively connecting the mechanism to the valves of each control for operating the controls in sequence, and means operatively connected to the mechanism for throwing over said reversing valve and regulating the admission of heating gas to said regenerator chambers in time with the operation of said controls.

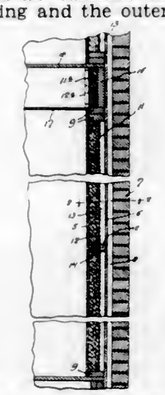
2,098,554

HEAT INSULATING WALL

Floyd Charles Reinke, Detroit, Mich., assignor to Air-O-Cel Industries Inc., Detroit, Mich.

Application July 14, 1936, Serial No. 90,599
2 Claims. (Cl. 72—16)

1. A heat insulating wall including a frame composed of horizontal joists and vertical studs, an outer wall member at the outer side of said frame, an inner wall member at the inner side of said frame and spaced from said outer wall member, an intermediate backing of corrugated cardboard extending between each pair of adjacent studs and spaced from the inner and outer wall members, a packing of fibrous insulating material filling the space between said intermediate backing and said inner wall member, and horizontal partitions of corrugated cardboard between the inner and outer wall members to prevent settling of said fibrous insulating material and to prevent convectional air currents in the space between said backing and the outer wall member,



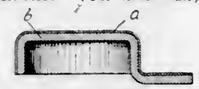
said partitions having end flanges nailed to said studs.

2,098,555

TEARABLE CLOSURE

Henry Arnold Skov, Frederiksberg, near Copenhagen, Denmark

Application April 24, 1934, Serial No. 722,166
In Denmark April 29, 1933
2 Claims. (Cl. 215—42)



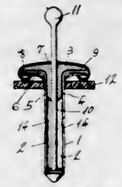
1. A container closure in the form of a bottle cap, of the type which is adapted to be removed by tearing by means of a hand grip and formed of a material the strength of which corresponds to the strength of solid aluminium in a thickness of about 0.10 mm. consisting of at least one metallic layer and at least one thicker layer of non-metallic material adhesively secured to the metallic material, the metallic material containing metal of a thickness between 0.02 and 0.06 mm. while the thickness of the non-metallic material is on the one hand at least so great that the metallic and non-metallic layers have together a strength corresponding to that of aluminium of a thickness of about 0.10 mm. and on the other hand is not greater than to enable the material of the closure to retain its shape after being shaped and applied in a cold state.

2,098,556

LEAKAGE-STOPPER FOR A HOSE

Eizo Tamada, Itoigawa-cho, Nishikubiki-gun, Niigata-ken, Japan

Application July 16, 1935, Serial No. 31,692
In Japan
5 Claims. (Cl. 138—98)



1. A leakage stopper for a hose consisting of a longitudinally slit tubular body joined at the base, spread apart at the top end and provided

with incisions at the slit edges about midway between the ends, a separate head member engaging the top ends of the tubular body and provided with an axial bore, a stem fitting loosely in said bore and in said tubular body and projecting at both ends thereof, a stud formed at the base end of said stem engaging the base of the tubular body, whereby when a pull is exerted at the top end of the stem said tubular body is collapsed outwardly at the incision portion causing the top and base to impinge the hose.

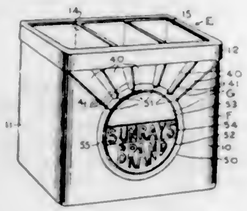
2,098,557

RECEPTACLE AND IDENTIFICATION CARRIER THEREFOR

Thomas A. W. Thomas, Los Angeles, Calif., assignor to States Batteries Ltd., Los Angeles, Calif., a corporation of California

Application November 11, 1935, Serial No. 49,309

5 Claims. (Cl. 40—2.2)



1. In a storage battery-jar, a container having rigid outer walls, at least one of said walls being provided with a recess in its outer face and the contour of said face being broken, providing indicia projecting to one side of the plane of said face, and an embossed identification carrier disposed within said recess and secured to the wall of said container, at least a portion of the embossing upon said identification carrier forming a continuation of said first-named indicia, said identification carrier being of acid-resistant material.

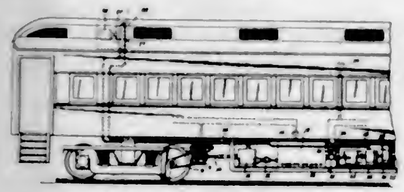
2,098,558

AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION

Samuel M. Anderson and Robert T. Palmer, Sharon, Mass., assignors to B. F. Sturtevant Company, Inc., Boston, Mass.

Application November 23, 1935, Serial No. 51,296

4 Claims. (Cl. 62—117)



1. Air conditioning apparatus for a railway passenger car comprising air cooling means, a refrigerant compressor, a condenser, an air motor driving said compressor, a compressed air storage tank, means for heating the air in said tank, an axle driven air compressor feeding into said tank, and means for cooling said condenser with the air discharged by said motor.

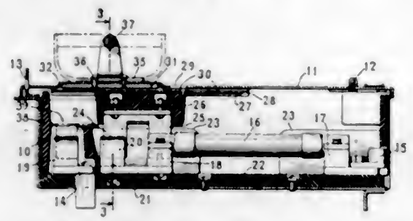
2,098,559

SAFETY SWITCH

William Anderson, Bromley, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application February 3, 1936, Serial No. 62,173

2 Claims. (Cl. 200—114)



1. A safety switch including a box having a cover hinged to one edge thereof, a stationary contact mounted in the box and having its main contact surface extending at right angles to the hinged edge of the cover, a slide carried by the cover and slidable in a direction toward and away from the hinged edge, a switch blade carried by said slide and coacting with the stationary contact when the cover is closed, a handle carried by the cover and rotatable about an axis at right angles to the main plane of the cover, said handle projecting from the cover and serving to operate the slide to open the circuit and providing a hand grip for pulling the cover open.

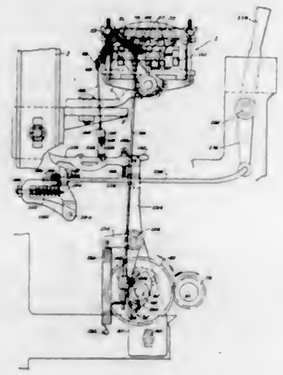
2,098,560

WARP STOP MOTION FOR LOOMS

Edwin W. Barrett, Barrington, R. I., assignor to Warren Textile and Machinery Supply Co., Warren, R. I., a corporation of Rhode Island

Application November 6, 1935, Serial No. 48,506

5 Claims. (Cl. 139—360)



1. In a warp stop motion, in combination, a feeler-bar of non-circular cross-section, a cylindrical bearing block supporting an end of such bar, a bearing for such block, a movable device normally effective to prevent longitudinal removal of the bar from the block, but movable into a position permitting such removal of the bar while preventing removal of the bearing block, and stop means locating said device in such position.

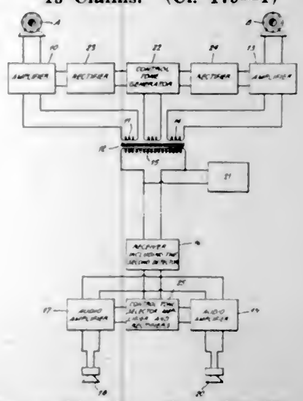
2,098,561

SYSTEM FOR PRODUCING STEREOSONIC EFFECTS

George Lisle Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 9, 1934, Serial No. 710,404

13 Claims. (Cl. 179—1)



1. The combination of a plurality of sound pick-up devices, a plurality of sound reproducers, means for combining the outputs of said pick-up devices, means for transmitting the combined outputs of said pick-up devices to said reproducers, a control current generator, means for varying the current produced by said generator in accordance with the relation between the sound intensities at said pick-up devices, and means actuated by said variable current for causing the sounds emitted at said reproducers to bear the same relation as the sound intensities at said pick-up devices.

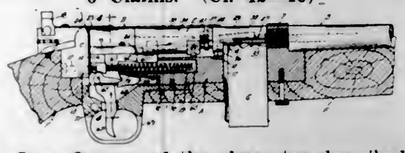
2,098,562

FIREARM

John Browning, Ogden, Utah, assignor to J. M. & M. S. Browning Company, Ogden, Utah, a corporation of Utah

Application October 17, 1935, Serial No. 45,411

6 Claims. (Cl. 42—16)



1. In a firearm of the character described, a receiver frame, a two-part bolt supported for sliding movement on said frame and having a front non-rotatable part and a rear rotatable part swivelled to the front part, a two-section firing pin comprising a front section mounted for longitudinal movement in said front part of said bolt and a rear section mounted for longitudinal movement in the rear part of said bolt and adapted to engage the rear end of said front section, a hammer mounted in said frame and having an upwardly extending hammer lug adapted to engage the rear end of said rear section when the hammer is released, and trigger means for controlling said hammer, said rear part of said bolt having a longitudinal groove adapted to register with and accommodate said lug when said rear part is turned to a position where the bolt may be withdrawn, said bolt having a lateral notch extending from said groove and adapted to accommodate said lug when the bolt is in forward locked position.

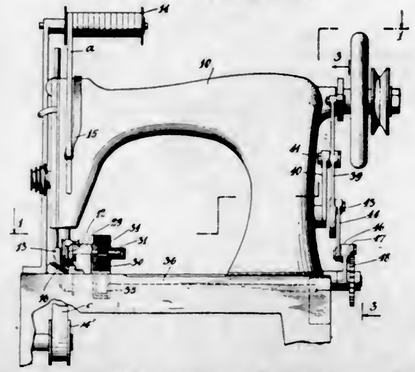
2,098,563

APPARATUS FOR MAKING WELT UNITS

William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware

Application August 26, 1936, Serial No. 97,908

12 Claims. (Cl. 112—46)



1. A machine for sewing welt units comprising means for doubling a fabric fastening strip, means for stitching it to a welt, and means for feeding said welt and strip past said stitching means and for undoubling said strip.

2,098,564

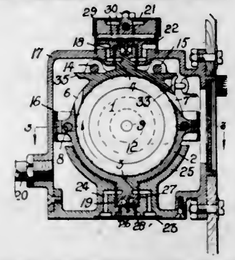
MAGNETIC DIRECTIONAL GYROSCOPE

Leslie F. Carter and Carl A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application October 11, 1934, Serial No. 747,859

Renewed April 2, 1937

11 Claims. (Cl. 33—222)



1. A magnetic directional gyroscope comprising a ball gyroscope, a carrier therefor rotatable about a vertical axis, a permanent magnet carried by said carrier, air means for spinning and supporting said ball within said carrier on an additional horizontal axis, a magnetic member on said carrier around said ball, and a soft iron core having no permanent magnetism along the spin axis of the ball, whereby the device will seek the magnetic meridian.

2,098,565

ENGINE COOLING AND COWLING

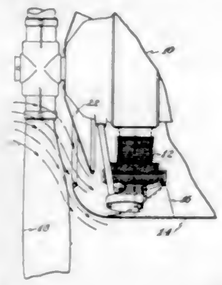
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application April 12, 1934, Serial No. 720,283

7 Claims. (Cl. 123—171)

6. In combination with a radial cylinder en-

gine having a propeller forward thereof and a fixed ring cowl encircling the outer cylinder ends and having an inturned leading edge terminating in a transverse plane between the engine and the propeller; a coned disc coaxial with said cowl, said disc slanting rearwardly from its center toward its edge, the disc edge lying rearwardly of said cowl leading edge to define with said cowl



edge a substantially radial air entrance annulus, the edge of said cowl being so proportioned that a tangent to said cowl at the leading edge thereof, in an axial plane, makes an angle of more than 45° with the cowl axis, said coned disc having such a form that an element thereof coplanar with said tangent and on the same side of the cowl axis, is substantially parallel to said tangent.

2,098,566

DE-ICING MEANS FOR AIRCRAFT

Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York

Application October 27, 1934, Serial No. 750,253

2 Claims. (Cl. 244—134)



1. The combination with an aircraft having an engine exhaust pipe and a surface to be de-iced, of an alcohol reservoir, an evaporator attached to said pipe, porous covering over said surface, and means to conduct alcohol from said evaporator to saturate said covering.

2,098,567

METHOD OF INCORPORATING NITROGEN IN ALLOY STEELS

George F. Comstock and Viatcheslav V. Efimoff, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 30, 1937, Serial No. 156,520

20 Claims. (Cl. 75—127)

1. A method of incorporating nitrogen in alloy steels which consists in adding a cyanonitride of an element chosen from the group consisting of titanium and zirconium as an alloy to the other ingredients to form the steel.

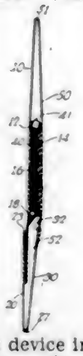
2,098,568

ADVERTISING DEVICE

Hayes Cone, New York, N. Y., assignor to United Specialties Sales Corporation, New York, N. Y., a corporation of Delaware

Application January 15, 1937, Serial No. 120,677

9 Claims. (Cl. 40—65)



1. An advertising device in the form of a card or folder comprising a front portion having a window therein, a flap portion normally lying flat adjacent the lower margin of the front portion and adapted to carry indicia on its outer side merging with indicia on the front portion, the flap portion being hingedly connected intermediate its upper and lower edges with the lower edge of the front portion, a movable curtain positioned behind the front portion and normally extending across the window therein, and means connecting the curtain with the flap portion so that movement of the latter relative to the front portion around said hinged connection results in upward movement of the curtain relative to the window.

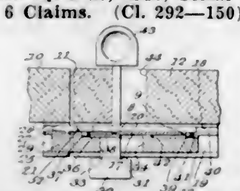
2,098,569

FASTENER FOR CLOSURES

Clement N. Curtis, Weymouth, Mass.

Application April 17, 1936, Serial No. 74,931

6 Claims. (Cl. 292—150)



1. In a bolt mechanism for a movable closure, the combination of a latch bolt and a bolt mounted for movement into and out of their latching positions, means for dogging said latch bolt in its latching position as said latch bolt is moved into its latching position, and means controlled by said bolt for controlling said dogging means and for moving said latch bolt out of its latching position.

2,098,570

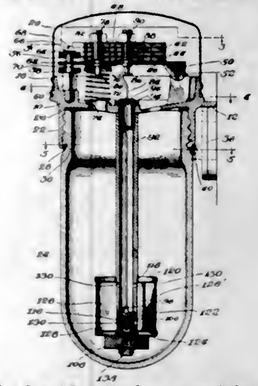
COMBINED PUMP AND RESERVOIR FOR CENTRALIZED LUBRICATING SYSTEMS

Ernest W. Davis, Oak Park, Ill., assignor, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application April 1, 1929, Serial No. 351,694

24 Claims. (Cl. 184—26)

1. A lubricant supply installation for lubricating systems, comprising a body casting, a reservoir secured to and depending from said casting, a tube secured to said casting and depending within said reservoir, a cylinder carried at the lower end of said tube, a check valve at the dis-



charge end of said cylinder, a weight pivoted to said casting above said reservoir, a stem pivotally secured to said weight and extending downwardly into said tube, and a piston operable in said cylinder and pivotally connected to said stem.

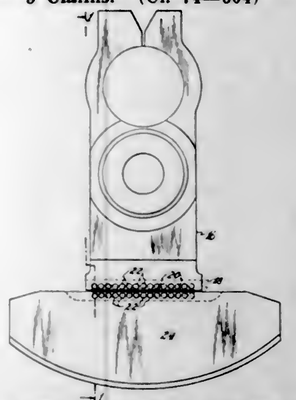
2,098,571

LINK TYPE DYNAMIC DAMPER

Chester C. De Pew, Bloomfield, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application September 21, 1935, Serial No. 41,531

3 Claims. (Cl. 74—604)



1. The combination with crankshaft and counterweight members, each having an axially extended plurality of opposed laterally extended grooves, of a laterally extended plurality of links in each groove, and a lateral plurality of hinge pins spanning said grooves and engaging said links for the oscillating connection of said links to each member.

2,098,572

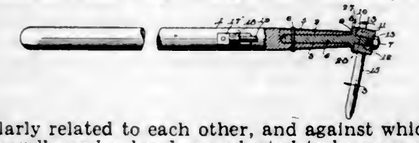
RAKE

Harry K. Depue, Somerton, Pa.

Application October 29, 1935, Serial No. 47,211

3 Claims. (Cl. 306—35)

1. A connecting member for the head and handle of a rake, comprising angularly related arms and an integral peripherally extending flange, surrounding the intersection of the axes of said arms, and said flange being defined by faces angularly related to each other, and against which a handle and a head are adapted to be secured.



2,098,573

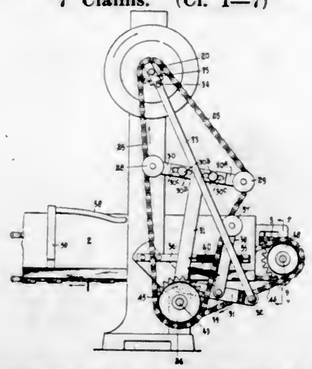
STAPLING MACHINE

Howard Dingle, Kurralta Park, Australia, assignor to "McMahons" Limited, Adelaide, Australia

Application March 31, 1936, Serial No. 71,863

In Australia February 19, 1936

7 Claims. (Cl. 1—7)



1. Improvements in and relating to stapling machines, consisting in a conveyor to feed books to be stapled through the machine, and means for driving the conveyor intermittently comprising:—a sprocket wheel upon a driven shaft of the stapler, a sprocket wheel upon a shaft suitably supported in bearings and coupled to the conveyor, a chain having a comparatively large amount of slack interconnecting the two sprocket wheels, idler pulleys mounted upon a pivoted member, the chain engaging said idler pulleys, a crank upon the driven shaft of the stapler, and a rod connecting the pivoted member and the crank.

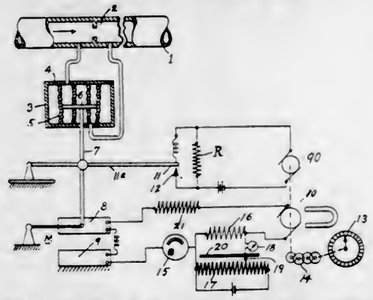
2,098,574

ELECTRICAL MEASURING SYSTEM

Edgar D. Doyle, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 1, 1935, Serial No. 4,587

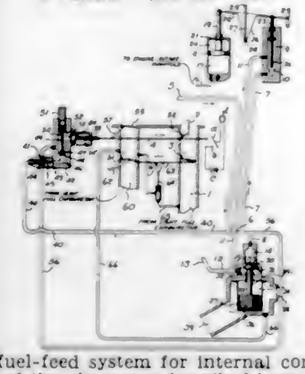
18 Claims. (Cl. 73—206)



1. A system for determining the magnitude of a condition which comprises means for produc-

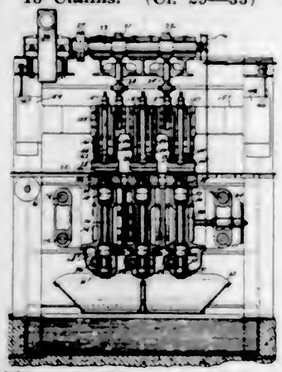
ing a force whose magnitude with respect to the magnitude of a condition under measurement follows a predetermined law of response, means for producing an electrical force whose magnitude with respect to the speed of rotation of a body substantially follows said law, means for effecting opposition of said forces, means for controlling the speed of rotation of said body to effect balance of said forces for the different magnitudes of said condition, and exhibiting means responsive to speed of rotation of said body.

2,098,575
SYSTEM FOR FEEDING FUELS TO INTERNAL COMBUSTION MACHINES
Francisco Flamini, Buenos Aires, Argentina
Application December 28, 1934, Serial No. 759,531
In Argentina March 13, 1934
3 Claims. (Cl. 123—127)



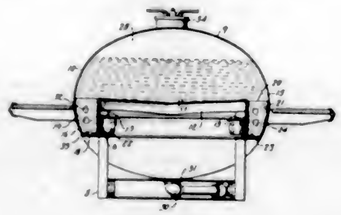
1. A fuel-feed system for internal combustion engines of the character described having means for the separate supply of light and heavy fuels to the engine, and control means for closing one fuel supply and opening the other, and means for actuating said control means comprising alternative passages for the flow of fluid from the engine, means actuated by the engine-suction for interrupting the flow of fluid in one of said passages, a thermostatic device for interrupting the flow of fluid in another of said passages, and means actuated by fluid pressure in still another passage to actuate the said control means.

2,098,576
AUTOMATIC MACHINE FOR TIE PLATES
Newton F. Foner, Pittsburgh, Pa.
Application March 13, 1935, Serial No. 10,850
18 Claims. (Cl. 29—33)



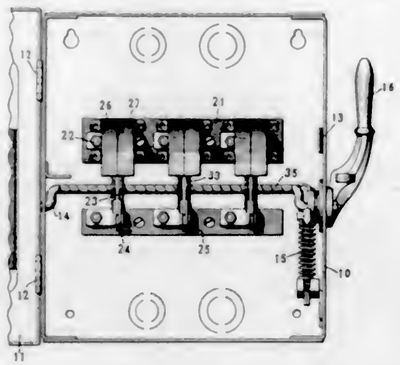
1. A milling machine comprising a table, means for feeding stock across the table, a cutter assembly including a plurality of sets of cutters for performing a plurality of cutting operations simultaneously and a movable carriage therefor, means for periodically advancing the stock, means for periodically clamping the stock on the table, and means for moving the cutter assembly to engage the stock during a dwell of the stock, and manually adjustable means for automatically and sequentially controlling said means.

2,098,577
TANK
Otto N. Gredell, Kansas City, Mo., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application July 16, 1934, Serial No. 735,327
4 Claims. (Cl. 220—1)



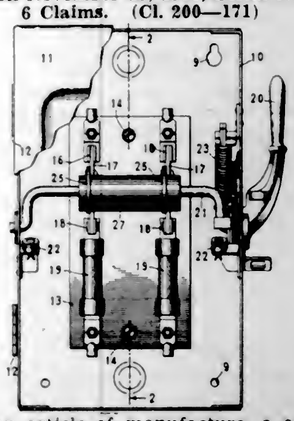
1. A tank of the character described including a reduced front end portion having a depending hollow skirt forming continuations of the sides of said reduced front end portion.

2,098,578
SAFETY SWITCH
Herman J. Hammerly, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application November 13, 1936, Serial No. 110,592
12 Claims. (Cl. 200—144)



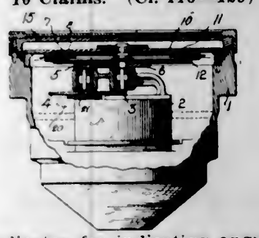
1. A safety switch having a stationary contact and a hinged blade coacting therewith, and arc snuffing means including an insulating housing for the stationary contact closed on all sides except for passage and exit of the swinging blade and insulating means having an arcuate edge following the blade alongside the housing and constantly close thereto as the blade moves to open the circuit.

2,098,579
ENCLOSED SWITCH
Charles E. Hanny, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application November 19, 1935, Serial No. 50,496
6 Claims. (Cl. 200—171)



1. As an article of manufacture, a connector for an electric switch formed of insulating material and having a longitudinal channel open at one side to detachably receive the crank shaft of a switch and having grooves in its outer wall spaced to interlock with the hooks of spaced switch blades.

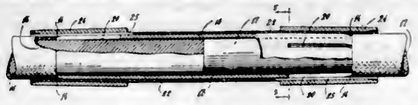
2,098,580
ANGULAR MOTION INDICATOR
William George Harding, North Acton, London, England, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a company of New York
Application May 5, 1934, Serial No. 724,073
In Great Britain May 8, 1933
10 Claims. (Cl. 116—129)



1. An indicator for indicating angular motion comprising two adjacent members, means for revolving said members through distances each at all times proportional to the angular motion to be indicated but different from each other, portions of one of said members having apertures therein, and indications such as numerals on the other member adapted to be viewed through said apertures.

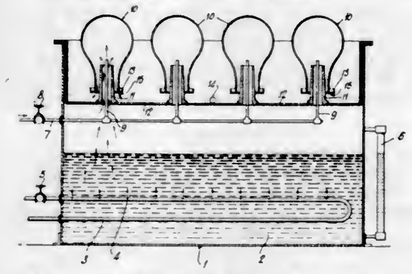
2,098,581
COUPLING
Samuel J. Jones, New York, N. Y.
Application August 8, 1934, Serial No. 738,905
6 Claims. (Cl. 173—268)

1. Means for connecting two electrical conductors together, a metal sleeve slotted at both ends and surrounding said conductors, a tube of flexible insulation slotted at its ends and surrounding said sleeve and slightly tapered metal



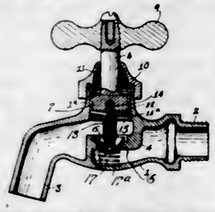
rings surrounding said tube and forcing said sleeve into firm facial contact with said conductors.

2,098,582
PROCESS OF TREATING LAMPS
Frederick Kallus, Hoboken, N. J.
Application June 4, 1936, Serial No. 83,445
3 Claims. (Cl. 41—42)



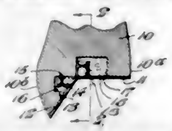
3. A process of treating bulbs which comprises subjecting them to an etching fluid upon the interior and subsequently treating them to the mixture which is formed by blowing steam through a hot water bath for a period of about seven seconds and then washing them with water.

2,098,583
VALVE
John J. Kleinsmith, Cleveland, Ohio
Application March 17, 1937, Serial No. 131,349
1 Claim. (Cl. 251—139)



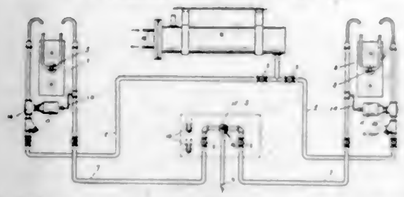
A valve construction comprising a body provided with a transverse wall formed with an opening to provide a valve seat and a collar in concentric relation to said seat, the inner wall of said collar being provided with screw threads and formed with a plurality of longitudinally extending grooves, a valve element arranged to engage said seat and provided with a stem extending into said collar, means for operating said valve element in a direction to seat it, said means including a body portion having screw threaded engagement with the screw threads in said collar and formed axially of said seat with an elongated opening into which said stem slidably fits, the bottom of said elongated opening being arranged to engage the free end of said stem and forming a removable pivotal connection therewith to move the valve element into engagement with said seat, and a device fixed to said stem and slidably engaging the grooves in said collar for preventing rotation of said valve element.

2,098,584
INTERCHANGEABLE TEETH
Benjamin A. Lincoln, Philadelphia, Pa., assignor to Universal Dental Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 18, 1934, Serial No. 757,987
6 Claims. (Cl. 32—9)



1. An interchangeable artificial posterior tooth comprising an all-ceramic body having therein a recess with two angularly disposed, meeting sides, each having a plane surface, both of said sides terminating at the lingual wall of said body, a pinhole extending inwardly into said body from one of the sides of said recess with its axis parallel to the other of said sides and a slot extending into said body solely from said other side.

2,098,585
REVERSING FURNACE CONTROL
Fred H. Loftus, Mount Lebanon, Pa.
Application May 13, 1937, Serial No. 142,374
4 Claims. (Cl. 158—36)



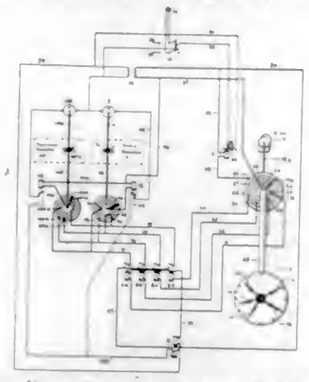
2. The combination with pipes for supplying fluid fuel to two ports of a regenerative furnace, valves for severally controlling the flow of fuel into said ports, valve-operating means organized with each valve adjacent to the respective ports, and conduits arranged to deliver fluid under pressure for jetting the fuel supplied by said pipes into said ports, of a remote control station including means for selectively controlling the supply of fluid under pressure to said conduits and effecting the energizing of said valve-operating means, to open one of said valves while closing the other.

2,098,586
REVERBERATORY FURNACE
Earl R. Marble, El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1935, Serial No. 52,298
8 Claims. (Cl. 263—46)



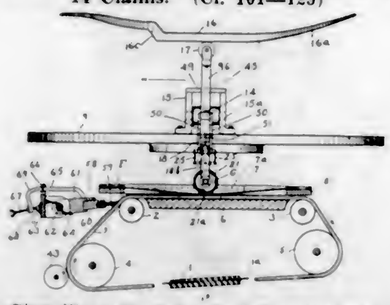
1. A reverberatory furnace comprising the combination with a semi-cylindrical pan, a cradle supporting said pan, a semi-cylindrical brick hearth in said pan and supporting the furnace side walls, of an arch supported independently of said walls.

2,098,587
AUTOMATIC OPERATION OF PLURALITY OF RADIO RECEIVERS
Jesse Markowitz, New York, N. Y.
Application October 12, 1931, Serial No. 568,267
4 Claims. (Cl. 250—20)



4. In radio reception apparatus, a clock, a movable contact control member operated by said clock, a radio receiver, a television receiver, a motor for tuning in said radio receiver, a motor for tuning in said television receiver, operating mechanism in a circuit of which said member is a part for simultaneously energizing both motors, and an operating mechanism adapted to be energized when its motor has tuned in its receiver for deenergizing said motor.

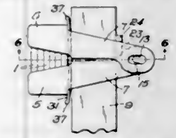
2,098,588
STENCILING APPARATUS
Frederick B. McQuiston, Crafton, and Ernest M. Hommel, Pittsburgh, Pa., assignors to The O. Hommel Company, a corporation of Pennsylvania
Application July 9, 1936, Serial No. 89,742
14 Claims. (Cl. 101—125)



1. Stenciling apparatus including a stencil impervious in main and pervious in pattern, means adapted to present an extended surface adjacent to the pattern area of said stencil a film of moist decorating material, said means comprising a body of elastic material having a film-bearing surface impervious to said moist decorating material, means for applying said material upon such surface, means for spreading and smoothing the applied material to provide uniformity in the applied film, a rotary work-carrier, said work-carrier including means yieldingly sustained for rotatably supporting a round object to be decorated, means for rotating said work-carrier whereby said object is rolled in arcuate path

across the pattern area of said stencil, and an arcuate cam mounted in spaced relation with respect to said stencil and adapted to engage said object-supporting means, whereby, during the rotation of said work-carrier, the supported object is positively shifted against the resistance of its yielding sustaining means transversely of said arcuate path.

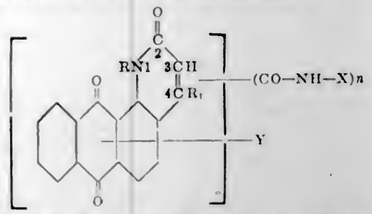
2,098,589
LOOM PICKER
Frank W. Merrick, Boston, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application May 19, 1934, Serial No. 726,511
13 Claims. (Cl. 139—159)



1. A loom picker having, in combination, a bunter head, and means for securing said bunter head to a picker stick comprising separable unconnected relatively movable portions for engaging with opposite lateral sides of said head and with the outer end face only thereof, said means also comprising a picker stick embracing portion carrying means cooperating with said stick for drawing said portions and bunter head toward the stick.

2,098,590
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES
Paul Nawiasky, Alfred Ehrhardt, and Karl Saftien, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 2, 1935, Serial No. 48,048. In Germany November 3, 1934
5 Claims. (Cl. 260—40)

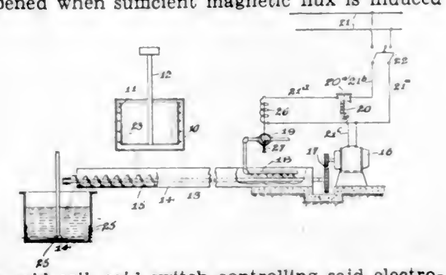
1. Vat dyestuffs of the anthraquinone series corresponding to the general formula



wherein R and R_1 stand for a member selected from the class consisting of hydrogen, the alkyl groups and the aryl groups of the benzene series, X for an aryl group of the anthraquinone series, and *n* for a whole number up to 2, and wherein Y stands for a member selected from the class consisting of hydrogen and halogen.

2,098,591
AUTOMATIC CONTROL
Jacob J. Neuman, Jamaica, N. Y.
Application January 13, 1936, Serial No. 58,804
4 Claims. (Cl. 127—22)

1. An automatic sweetwater control for an electric motor driven conveyor and screw having an electromagnetic valve for said sweetwater and a relay to control said valve in series with said motor, said relay including a primary coil in series with the motor, and a magnetic mercury switch suspended beneath said coil and adapted to be opened when sufficient magnetic flux is induced

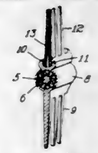


in said coil, said switch controlling said electromagnetic sweetwater valve to open the same when due to increased resistance in the conveyor screw the motor draws a current higher than that normally drawn.

2,098,592
PREPARATION OF DIMETHYLFURANE
Granville A. Perkins and Walter J. Toussaint, Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 28, 1935, Serial No. 13,482
4 Claims. (Cl. 260—54)

1. A process which comprises pyrolyzing acetone at a temperature above 700° C. for a period not greater than about 0.15 second, immediately cooling the reaction gases in a liquid medium, and isolating 2,5-dimethylfurane from the resulting liquid mixture.

2,098,593
HAIR WAVING APPLIANCE
Louis Quinio, Tarentum, Pa.
Application July 17, 1936, Serial No. 91,144
3 Claims. (Cl. 132—14)

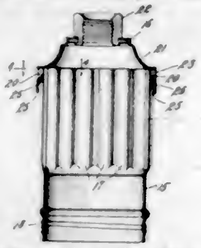


3. A hair comb comprising a metallic tubular base having a row of teeth integrally formed therewith and having a slotted portion opposite said row of teeth and out of communication with the hollow interior of said base, a comb removably mounted in said slotted portion, having hollow teeth, and means for heating the inner chamber of the tubular base member.

2,098,594
LAMP SOCKET
Frederick R. Reutter, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 15, 1935, Serial No. 45,078
3 Claims. (Cl. 173—362)

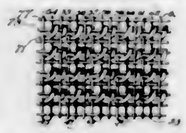
2. In a lamp socket, and in combination, a metal shell having its upper portion formed with a plurality of recesses, locking nibs located in said recesses, a metal cap having a top portion and a depending skirt for taking over the upper end of the shell, and a plurality of locking lugs,

for cooperating with said nibs, located inside said skirt and formed of tongues of metal shaved



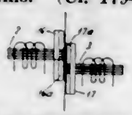
from the inner wall of the skirt and integrally rooted thereto.

2,098,595
PILE FABRIC
Walter A. Rice and Frank G. Shinn, Yonkers, N. Y.
Application March 26, 1932, Serial No. 601,420
19 Claims. (Cl. 139—400)



1. A knotted pile fabric having stuffer type warp threads woven straight through the fabric in unbending relation and chain warp threads which are bent below and above the weft, weft uniting the stuffer and chain warp threads and tuft knots passing back of all of the warp threads and forming a back for them.

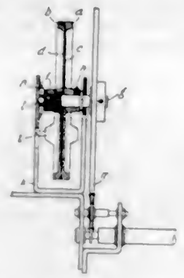
2,098,596
TELEGRAPHONE AND LIKE APPARATUS
Noël Meyer Rust and Cyril John Francis Tweed, Essex, England, assignors to Radio Corporation of America, a corporation of Delaware
Application July 23, 1935, Serial No. 32,752
In Great Britain May 28, 1934
6 Claims. (Cl. 179—100.2)



1. An electro-magnetic recording or pick-up device comprising a pole tip made of substantially uniform cross-section throughout an appreciable portion of its length, said portion being embedded in a mouldable non-magnetic insulating material having a resistance to wear of the same order as that of the material of the pole-tip proper, the said pole tip being made of laminations extending transversely of the direction of record travel.

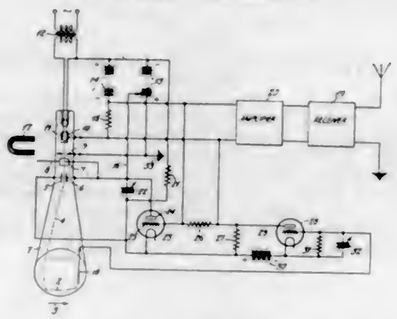
2,098,597
VARIABLE CONDENSER
Franz Saar, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 4, 1934, Serial No. 738,458
In Germany August 11, 1933
6 Claims. (Cl. 175—41.5)

1. Variable condenser, in particular rotatable condenser having two conductive layers of different polarity displaceable with respect to each other, characterized in that the conductive layers are provided on faces remote from each other of



plates consisting of iron free magnesium silicate, said plates gliding over each other in intimate contact.

2,098,598
SYNCHRONIZING SYSTEM
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 21, 1932, Serial No. 643,596
In Germany December 12, 1931
2 Claims. (Cl. 178—6)

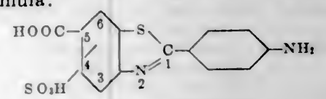


1. In a television system a cathode ray tube, means for deflecting the cathode ray developed within the tube, said means comprising a condenser and means for uniformly charging the condenser, a gaseous space discharge device normally biased below cut-off and operable at predetermined time periods to discharge said condenser, said means for biasing the gaseous space discharge device below cut-off comprising a normally operative amplifier tube having in its output circuit a resistor the voltage drop through which is adapted to bias the control electrode of the said space discharge device, an electrode element provided within the cathode ray tube and subjected at points of maximum sweep of the cathode ray pencil to the electron stream of the said pencil, a connection between said electrode and the input circuit of said amplifying device so that during time periods when said electrode is subjected to the influence of the electron pencil biasing voltages are applied to the amplifying tube to cause said tube to become inoperative, and a resistor means connected with the input circuit of the said space discharge device and subjected to currents representing predetermined normal times of completion of

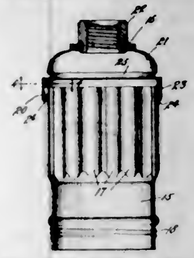
the sweep circuit for biasing the said space discharge device above cut-off independently of the operation of the amplifying tube.

2,098,599
YELLOW SUBSTANTIVE DYESTUFF FOR COTTON
Max Schubert, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 23, 1935, Serial No. 46,335. In Germany November 7, 1934
1 Claim. (Cl. 260—44)

A yellow substantive dyestuff for cotton, which dyestuff forms when dry an orange powder easily soluble in water and dyes vegetable fibers greenish yellow shades of excellent fastness to light, which dyestuff dissolves in concentrated sulfuric acid to a reddish brown solution, which dyestuff is obtained by acting with alkaline oxidizing agents containing reactive chlorine on 1-p-aminophenyl-5-carboxybenzothiazole-sulfonic acid of the formula:



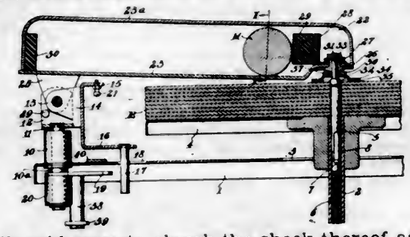
2,098,600
LAMP SOCKET
Sydney I. Spender, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 15, 1935, Serial No. 45,032
5 Claims. (Cl. 173—362)



1. In a lamp socket, and in combination, a shell having its upper portion fluted, a plurality of downwardly facing locking shoulders on said shell and located in the flutes thereof, a cap having a top portion and a depending skirt for taking over the upper end of the shell, and a plurality of scallop-shaped lugs extending inwardly from the bottom edge of the cap skirt for cooperating with said shoulders to prevent axial separation of cap and shell and for fitting in said flutes to prevent relative rotation thereof.

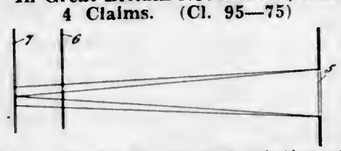
2,098,601
RECORD TRANSFER DEVICE FOR AUTOMATIC PHONOGRAPHS
John H. Teaf, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 10, 1934, Serial No. 719,831
22 Claims. (Cl. 274—10)

16. A record transfer arm comprising a hollow, elongated member, a record engaging member on one end thereof, a mass movable within said member whereby its center of gravity may be changed, and a shock absorbing device adjacent each end of said member adapted to cooperate



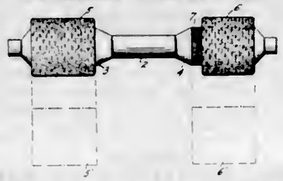
with said mass to absorb the shock thereof as it comes to rest after a period of movement.

2,098,602
COLOR PHOTOGRAPHY
Stanley Dennis Threadgold, Ilford, England, assignor, by mesne assignments, to Dufay-Chromex Limited, Aldwych, London, England
Application October 19, 1935, Serial No. 45,823
In Great Britain November 3, 1934
4 Claims. (Cl. 95—75)



1. Apparatus for the contact printing of multi-color photographic master originals of regular pattern multi-color screen type on to photographic copy material of multi-color screen type which comprises a source of diffused light spaced from the master, photographic copy material spaced from the master to receive light from the light source passing through the master; the effective diffusion area of the light source, its distance from the master, and the spacing of the master and copy being such that an image of each screen element of one color on the master is enlarged on the photographic copy to overlap adjacent color elements and overlap adjacent images of the same color to the extent that the sum of the light intensities at the overlapping portions of the images substantially equals the intensity at the central portions of the images, thus producing substantially even illumination over the whole copy surface.

2,098,603
COT
William B. Tucker, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application February 7, 1935, Serial No. 5,378
10 Claims. (Cl. 19—143)



5. A cot for covering rolls or the like, the entire body of said cot being formed of material of such character that it is compressible axially to an objectionable extent when subjected to frictional forces set up in applying the cot to a roll, com-

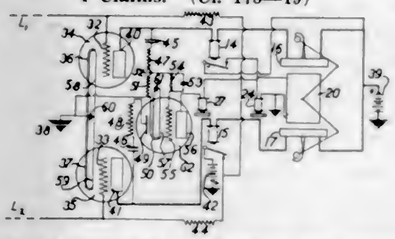
prising a hollow cylindrical body, having a resilient working surface and a dried, renitent coating applied to the body and rendering said cot resistant to such axial compression upon its application to a roll.

2,098,604
SUGAR MANUFACTURE
Robert Whymper, New York, N. Y., assignor to The National Sugar Refining Company of New Jersey, Edgewater, N. J., a corporation of New Jersey
No Drawing. Application July 25, 1935, Serial No. 32,997
11 Claims. (Cl. 127—30)

6. The method of manufacturing sugar which comprises the steps of mechanically working a sugar solution composed of sucrose and non-crystallizable matter derived from the crude syrup at an elevated temperature until such solution is reduced to a pasty consistency, then forcing the paste through a multiplicity of orifices to give the same an elongated form, then severing the elongated particles to a predetermined size, and thereafter allowing the shortened particles to dry and cool by their own heat of crystallization to obtain sugar granules of appreciable thickness.

8. As a new article of manufacture, a non-sticking sugar granule consisting of a porous structure, the exposed portion of which comprises a broken surface presenting no flat contact areas, said granule being made directly from "mother liquor."

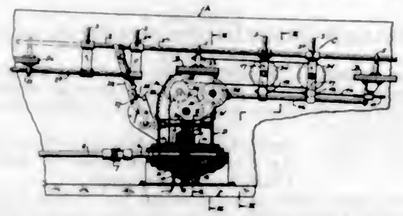
2,098,605
TELAUTOGRAPH RECEIVER
Adolph J. Wohlgemuth, Brooklyn, N. Y., assignor to Thomas Electric Company, West New York, N. J.
Application February 14, 1935, Serial No. 6,504
4 Claims. (Cl. 178—19)



1. A telautographic communication system comprising a sending station, a source of direct current at the sending station, a pair of lines, a receiving station, vacuum tubes connected to said lines at the receiving station, a pair of relays responsive respectively to different minimum currents controlling the graphic representation means and each connected to the plate of one of said vacuum tubes and a source of auxiliary potential at the receiving station in the circuit controlled by the relay responsive to the higher minimum current, and means for applying said auxiliary potential to the control electrodes of said vacuum tubes on the passage of said higher minimum current to cut off the current in the plate circuits of said vacuum tubes.

2,098,606
LIFEBOAT PROPELLING MECHANISM
Clarence W. Allen, San Francisco, Calif.
Application February 24, 1936, Serial No. 65,452
6 Claims. (Cl. 115—24)

1. A boat propelling device comprising reciprocable rods, supports for said rods fixed relative to said boat, cables operated by said rods, a plurality of handles on said rods, brackets fixed to said rods, guide pulleys for said cables rotatably mounted in said brackets, a guide rod

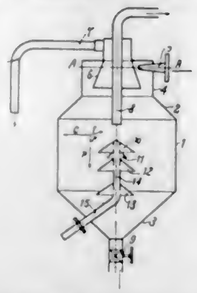


fixed relative to said boat, and means on said brackets slidable on said guide rods whereby axial turning of said reciprocable rods is prevented.

2,098,607
CLEANING AND POLISHING COMPOSITION
Lowell C. Allen and Bryan B. Doughty, Belleville, Ill.
No Drawing. Application March 26, 1935, Serial No. 13,175
1 Claim. (Cl. 87—5)

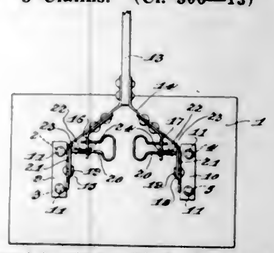
A liquid composition for use in impregnating cloth to impart surface cleaning and polishing activity thereto, said composition comprising the resultant of a mixture of approximately 95% of water, 3% of paraffine oil, 1% of vinegar, ½% of turpentine, and ½% of linseed oil.

2,098,608
APPARATUS FOR THE PURIFICATION OF MISCELLANEOUS LIQUID MIXTURES
André Bergès, Lorp, France
Application March 12, 1936, Serial No. 68,535
In France March 14, 1935
5 Claims. (Cl. 210—58)



1. A device for the continuous purification and classification of heterogeneous liquid mixtures, comprising a fixed closed receptacle of circular cross-section, an inlet conduit arranged tangentially to said receptacle and adapted to maintain the receptacle filled with the liquid mixture under pressure, an upper central conduit for upwardly discharging part of the liquid mixture, a lower central conduit, having its upper end below the lower end of the upper central conduit, for downwardly discharging another part of the liquid mixture, said lower conduit having lateral openings therein traversed by the part of the liquid discharged through the lower conduit, and a plurality of superposed hollow cones mounted on the lower conduit adjacent the openings.

2,098,609
SHOVEL WITH ADJUSTABLE HANDLE
Harry Z. Bishop, Lyons, N. Y.
Application June 17, 1936, Serial No. 85,758
3 Claims. (Cl. 306—13)



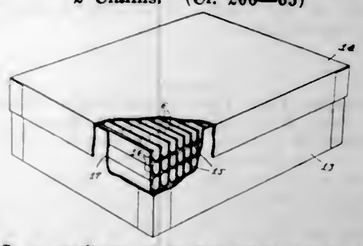
1. A shovel having a blade, brackets mounted on either side of the center of said blade and extending rearward therefrom, a handle having arms thereon that extend outwardly therefrom, the ends of said arms being parallel to the brackets and pivoted thereon, pins mounted on said arms engaging with notches in the brackets by which the position of the handle can be adjusted angularly with reference to the blade of the shovel, said pins being mounted between the arms and moving parallel to the blade to engage the brackets.

2,098,610
DENTAL FLOSS HOLDER
Charles E. Bluhm, Rochester, N. Y.
Application May 6, 1937, Serial No. 141,137
5 Claims. (Cl. 132—92)



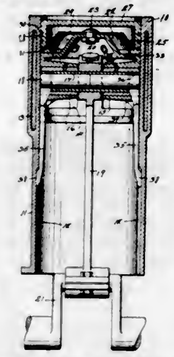
1. A device for holding a short length strand of dental floss exposed in tension, said device comprising a hollow handle having a receiving spool and a supply spool located therein, a shaft on which both of said spools are mounted to rotate, one of said spools rotating idly on said shaft and the other spool being keyed to said shaft and driven thereby.

2,098,611
TAG PACKAGE
William Borchert, Rockford, Ill., assignor to The Tagit Company, Rockford, Ill., a corporation of Illinois
Application July 23, 1934, Serial No. 736,497
2 Claims. (Cl. 206—65)



1. In a package of U-shaped laundry tags, a box of flexible sheet material having upright end and side walls and containing layers of U-shaped laundry tags disposed side to side and open end up in parallel rows, and a horizontal separator of flexible sheet material interposed between superimposed layers of tags, the separator being formed at the ends to provide upwardly projecting flanges engaging the sides of the endmost tags of the rows to provide lateral support therefor independently of engagement with the adjacent side walls of the box, said flanges in turn bearing against the inside of the adjacent walls of the box so as to be maintained in upright position.

2,098,612
FLOATING PISTON STRUCTURE
Franklin F. Bronson, Richmond, Va.
Application February 27, 1936, Serial No. 66,088
7 Claims. (Cl. 309—15)



1. A piston structure including a hollow body having an outwardly extending boss at its center, a resilient disk detachably connected to said boss and extending outward beyond the boss, and a piston head having an annular inwardly extending flange with which the resilient disk engages, the resilient disk urging the inner edge face of the head against said body.

2,098,613
AUTOMATIC PARACHUTE
Henry A. Burgess, Los Angeles, Calif., assignor of one-half to Silas A. Morehouse
Application February 1, 1937, Serial No. 123,417
9 Claims. (Cl. 244—150)

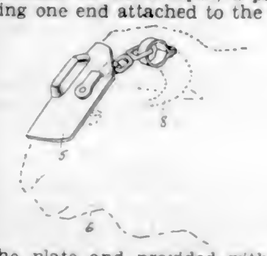


1. In combination with a parachute pack having a release mechanism for releasing the parachute in response to actuation of said release mechanism, flexible cable means extending from said pack and air anchor means on the outer end of said cable offering substantial resistance to an air stream whereby said air anchor means trails leeward of the pack in an air stream regardless of the position of the pack in the air stream, and means independent of tension exerted on said cable means for actuating said release mechanism in response to creation of an air stream past said anchor means.

2,098,614
HEAD BUMPER FOR ANIMALS
James A. Caldwell, San Antonio, Tex.
Application June 28, 1937, Serial No. 150,846
1 Claim. (Cl. 119—143)

An animal protector comprising a resilient plate adapted to rest against and cover the fore-

head of the animal, a resilient bumper on the outer surface of the plate, said plate having slots one at each side of the bumper, a pair of links each having one end attached to the upper sur-



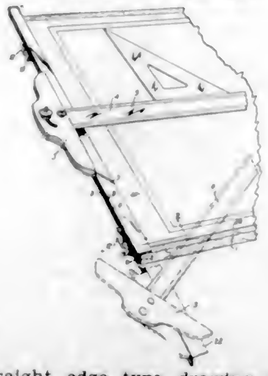
face of the plate and provided with an offset portion positioned in one of said slots to extend the other end of the link below the plate and clamping means for attaching the links to the horns of the animal.

2,098,615
SHAFT OR ROD FOR GOLF CLUBS OR OTHER SPORTING IMPLEMENTS
Robert H. Cowdery, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application June 19, 1935, Serial No. 27,343
2 Claims. (Cl. 273—80)



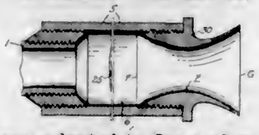
1. A shaft for golf clubs comprising a metallic ribbon so wound in generally spiral form with successive convolutions in overlapped relation as to form a progressively tapered tube, the convolutions being of such width and the pitch of the winding being of such a degree that each successive convolution overlaps a substantial portion of the width of a preceding convolution, and a reenforcing liner disposed within said tapered tube with its outer wall in engagement with such portions only of successive convolutions overlying said liner which are disposed nearest an edge portion of such convolutions, and means bonding the so engaged portions of said successively engaged convolutions to the liner to prevent relative longitudinal movement of the said portions of said convolutions relative to said liner, other portions of said convolutions longitudinally spaced from the bonded engaged portions being free of engagement with said liner and adapted to have a slight amount of shock absorbing movement relative to the underlying portion of the liner when said shaft is subjected to abrupt stresses tending to bend the shaft.

2,098,616
DRAFTING INSTRUMENT
Richard H. Cutting, Cleveland, Ohio
Application October 18, 1935, Serial No. 45,627
10 Claims. (Cl. 33—76)



1. A straight edge type drawing implement comprising a strip of metal of angle cross-section, one flange adapted to abut the vertical edge of a drawing board or the like slidably supporting clamping means movable toward and from the other flange for clamping the edge portion of a drawing board therebetween, and the strip having a planar portion for guiding the head of a T-square.

2,098,617
SPREADER TUBE
Richard M. Cutts, Jr., Quantico, Va.
Application July 14, 1936, Serial No. 90,580
14 Claims. (Cl. 42—79)

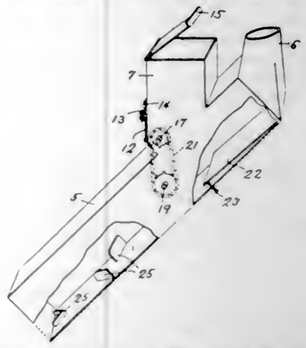


1. In a gun adapted to fire a plurality of projectiles with a single powder charge and provided with a muzzle, the combination of an expansion chamber to receive the gases of explosion as they emerge from said muzzle together with the projectiles said chamber permitting a deviation of said projectiles from the established line of flight; and a spreader tube at the forward end of said chamber coaxial with said chamber and said muzzle, said tube having two concentric tapered interior surfaces respectively tapering in opposite directions and having their respective smaller diameters joined to form a throat, the diameter of the throat being greater than the bore of the muzzle.

2,098,618
MACHINE FOR TREATING SEED GRAIN
John H. Dostert, Crookston, Minn.
Application July 6, 1936, Serial No. 89,270
3 Claims. (Cl. 221—96)

1. In a seed treating machine, an inclined tubular chute, a chemical box mounted on the top side of the chute, a partition wall common to the chute and the box and provided with openings for the passage of chemical from the box into the chute, a rotary agitator mounted interiorly of the chute to be rotated by impact of seed grain passing down said chute, a rotary feed wheel mounted in

the box in operative position to said openings, and a driving connection between said rotary agitator and said rotary feed wheel, and a regulating valve for said openings to control the passage of chemical from the box to the chute, a jumper plate



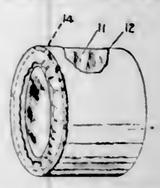
mounted in the bottom of the chute adjacent the upper end of the latter and means engaged with the plate for securing the same at the desired angle for directing grain passing into the chute against the blades of the rotary agitator.

2,098,619
CIGARETTE
Charles S. Finnell, El Paso, Tex.
Application February 29, 1936, Serial No. 66,481
2 Claims. (Cl. 131—52)



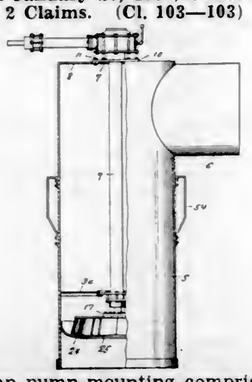
1. A cigarette comprising an inner wrapper of inflammable material, and a longitudinally corrugated outer wrapper enclosing said inner wrapper, said outer wrapper including a reduced, uncorrugated end portion, and a tip encircling said end portion and forming a mouthpiece for the cigarette.

2,098,620
ARTIFICIAL THREAD TREATMENT
John S. Fonda, Kenmore, N. Y., and George W. Filson, Richmond, Va., assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1935, Serial No. 56,058
4 Claims. (Cl. 34—24)



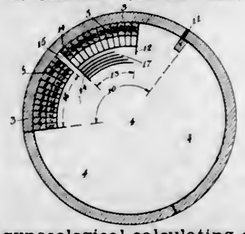
1. A covering for protecting artificial thread packages during the drying thereof comprising a cylindrical, moisture impermeable elastic band which is longer than said package and has a circumference which in its unstretched state is from 5% to 10% smaller than the circumference of the package to be dried.

2,098,621
SUMP PUMP MOUNTING
Leonard E. Golinick, Vero Beach, Fla.
Application January 27, 1937, Serial No. 122,673
2 Claims. (Cl. 103—103)



1. A sump pump mounting comprising a casing open at its lower end and having a discharge port adjacent its upper end, a pump shaft positioned in the casing and extending through the top thereof, a plate secured to the lower end of the shaft, an impeller removably secured to said plate, a housing for the shaft, a flange on the housing and a ring member supported within the casing and forming a support for the flange to center the shaft in the casing, said ring member having a central opening to provide for withdrawal of the shaft and plate therethrough after removal of the impeller from the shaft.

2,098,622
GYNECOLOGICAL CALCULATING DEVICE
George Bott Gronvold, Seattle, Wash.
Application December 18, 1934, Serial No. 758,047
12 Claims. (Cl. 40—115)

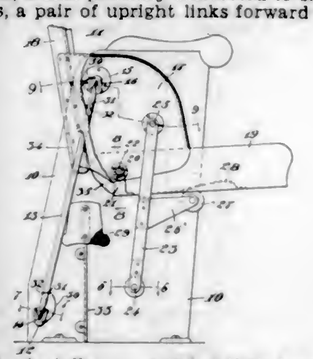


11. In a gynecological calculating device a stationary member and a movable member held on said stationary member, said stationary member having a single set of scale groups thereon in sequence one group of thirty-one divisions, one group of thirty divisions, and one group of twenty-eight divisions, representing months of varying lengths, said movable member being provided with indicating means corresponding in their positions to the various physiological occurrences during a menstrual cycle whereby upon adjusting said movable member to given locations on said cycle definite days may be assigned to said occurrences.

2,098,623
THEATER CHAIR
Merrill W. Hard, Los Angeles, Calif.
Application July 24, 1935, Serial No. 32,899
15 Claims. (Cl. 155—115)

10. A chair comprising a pair of pedestals, a pair of upright standards pivotally mounted at

their lower ends on said pedestals, side members pivotally supported on the upper ends of said standards, a seat pivotally connected to said side members, a pair of upright links forward of said



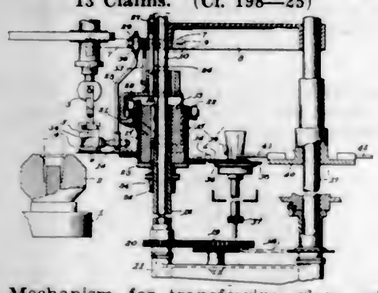
standards pivotally connected at their lower ends to said pedestals and at their upper ends to said side members, and means carried by said links for movably supporting said seat forward of said links.

2,098,624

GLASS TRANSFER MECHANISM

George R. Haub, Zanesville, Ohio, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia

Application January 29, 1936, Serial No. 61,395
13 Claims. (Cl. 198—25)



1. Mechanism for transferring glass articles from a forming machine to the cups of a continuously moving glazer conveyer, including a continuously rotating escalator, vertically movable pads carried by the escalator, means for delivering glass articles from a forming machine to said escalator pads, the pads travelling in timed relation with the cups of a glazer conveyer, and means for delivering a glass article from an escalator pad and centering the article on a glazer cup.

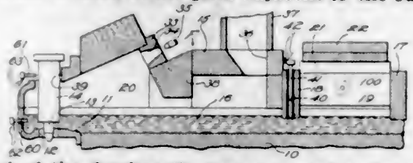
2,098,625

MEANS FOR AND METHOD OF CONTROLLING THE TEMPERATURE AND CONDITION OF GLASS IN A FOREHEARTH

William T. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application January 5, 1934, Serial No. 705,348
9 Claims. (Cl. 49—55)

1. The combination with a forehearth adapted at one end to receive molten glass from a source of supply, said forehearth comprising separate cooling and heating chambers, the cooling chamber being located between the heating chamber and said source of supply of molten glass, said cooling chamber having adjustable heat radiation control means for controlling the amount of radiation of heat from the glass therein, a thermocouple located at the outer end of said cooling chamber, means operatively connecting said thermocouple with said heat radiation control means for adjusting the latter automatically under the control of the thermocouple, a burner for discharging liquid fuel and air into the space above the glass in the heating chamber, a thermocouple having a portion located in the glass adjacent to the outer



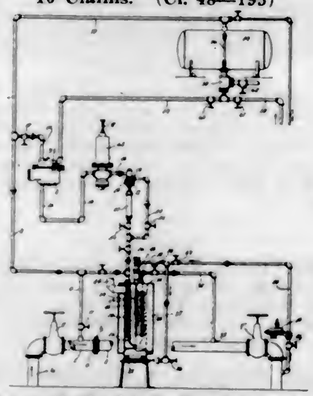
end of the forehearth, means operative by said second named thermocouple for automatically adjusting the amounts of both the liquid fuel and air discharging from said burner in accordance with the temperature of the glass in the proximity of said second named thermocouple, an additional thermocouple in position to be affected by a sting-out of flame from the outer end portion of the forehearth, and automatic means controlled by said last named thermocouple for independently varying the amount of liquid fuel supplied to said burner.

2,098,626

ODORIZING APPARATUS AND METHOD FOR GAS LINES

Frederic A. Hough, Pasadena, Calif.

Application September 22, 1931, Serial No. 564,456
10 Claims. (Cl. 48—195)



10. The method of injecting a liquid odorant into a gas line carrying a gas flowing under a pressure greater than atmospheric pressure, which consists in restricting the flow of gas in the pipe line to develop a differential pressure in the line before and beyond the restricted point, maintaining an elevated feed bath of the liquid to be injected, above the gas line and from which the atmospheric pressure is excluded, subjecting the horizontal upper surface of the feed bath to the static pressure of the line before the restricted point, maintaining a supply reservoir with a bottom opening at an elevation above that of the feed bath so that the liquid from the reservoir flows by the action of gravity down through the bottom opening to the feed bath, subjecting the horizontal upper surface of the liquid in the reservoir to the static pressure of the

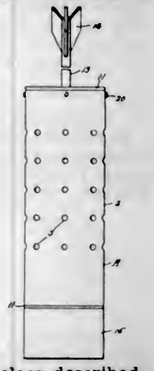
line before the restricted point, supplying liquid from the said bath to the gas line beyond the restricted point, and varying the flow from the feed bath in accordance with variations in the differential pressure.

2,098,627

AERIAL SHELL

Eugene Jeanis, Beaumont, Tex.

Application January 3, 1935, Serial No. 276
1 Claim. (Cl. 102—2)



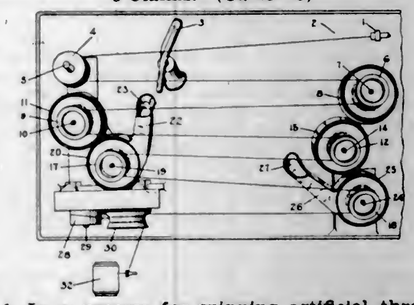
A device of the class described, comprising a cylindrical body, radially arranged barrels carried by the body for receiving cartridges, a cylinder removably fitting in the body for holding the cartridges in the barrels, means for removably holding the cylinder in the body, firing means carried by the cylinder for firing the cartridges, a hammer member slidably arranged in the cylinder for operating the firing means when the device strikes the ground, a casing at the lower end of the body and the hammer member having a part at its lower end for engaging the bottom of the casing, whereby when said bottom of the casing strikes the ground, the hammer member will move downwardly until said part, at its lower end, strikes the bottom of the casing, when further downward movement of the hammer member is stopped, a stem connected to the upper end of the hammer member and fins connected to the upper end of the stem.

2,098,628

ARTIFICIAL THREAD AND PROCESS OF PRODUCING SAME

George M. Karns, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 18, 1935, Serial No. 55,060
6 Claims. (Cl. 18—8)



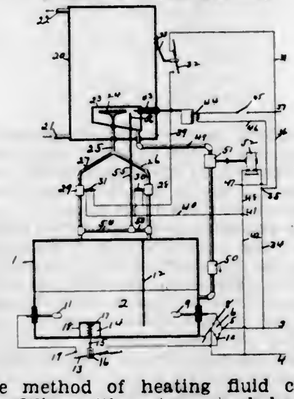
1. In a process for spinning artificial thread according to a wet spinning process, the steps which comprise extruding cellulosic solution into coagulating bath liquor, guiding the formed thread back and forth in the bath, directing a current of bath liquor across several portions of the thread in such a way that the influence of the current is weakest at the weakest portions of the thread, leading the thread out of the bath, then collecting the thread.

2,098,629

PRODUCTION OF GAS AND COMBUSTION THEREOF

Archer E. Knowlton, Short Beach, Conn.

Application June 13, 1935, Serial No. 26,495
9 Claims. (Cl. 204—5)



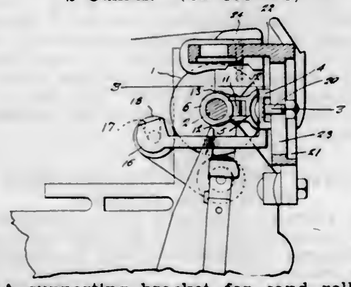
1. The method of heating fluid comprising partially filling with water a tank having electrodes in the water and a partition above the water and extending thereinto and between the electrodes, conducting electricity to the electrodes to separate the water into hydrogen and oxygen, collecting the gases separately on opposite sides of the partition, leading the gases to a burner within a closed chamber surrounded by the fluid to be heated, igniting the gases at the burner, controlling the flow of gases to the burner in accordance with the heating of the fluid, controlling the flow of electricity to the electrodes in accordance with the pressure of the gases in the tank, and returning the products of the combustion to the tank.

2,098,630

SELF-ALIGNING SAND ROLLER BEARING

William P. McGaha, Greenville, S. C., assignor of one-half to J. W. Sanders, Greenville, S. C.

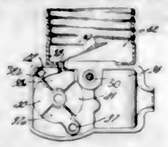
Application June 29, 1936, Serial No. 88,037
2 Claims. (Cl. 308—15)



1. A supporting bracket for sand rolls of a loom comprising a base plate having slotted openings for adjustably securing the plate to the breast beam of the loom, a hollow cylindrical

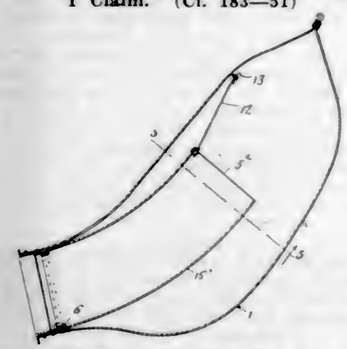
boss projecting from one surface of the plate providing a swivel support for mounting a bearing bracket on said plate and a roller supporting arm extending from said plate, said roller supporting arm being adapted to support a guide roller and said bearing bracket being adapted to support a sand roll in cooperating engagement with the guide roller.

2,098,631
ELECTRIC LIGHTING FIXTURE
Anthony J. Parissi, Cohoes, N. Y.
Application May 12, 1933, Serial No. 670,715
3 Claims. (Cl. 173—346)



1. An electric lighting fixture comprising a lamp socket having two contacts adapted to engage the contacts of an incandescent lamp received therein, a switch, and three terminals electrically insulated from each other, two of said terminals being electrically connected directly to respective lamp socket contacts whereby said socket may be connected directly across two legs of an electric lighting circuit, and the third terminal being electrically connectible through said switch to one of said socket contacts; said terminals being arranged to permit the connection of said fixture in an external electric circuit.

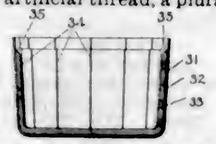
2,098,632
DUST BAG FOR VACUUM CLEANERS
Lee N. Parks, Caro, Mich.
Application May 18, 1937, Serial No. 143,372
1 Claim. (Cl. 183—51)



A conduit forming attachment for a dust bag comprising a tube of flexible material, a collar connected to one end of the tube and having spikes for engaging with the mouth of a bag and a member connected with the other end of the tube for holding the same in raised position in the bag.

2,098,633
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL THREAD
Ovid S. Petrescu, Nashville, Tenn., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 26, 1934, Serial No. 745,575
1 Claim. (Cl. 117—27.5)

In a centrifugal bucket for the production and treatment of a bucket cake, an imperforate side wall, the thread-contacting surface of which is composed of a substance which is substantially inert to liquids used in the production and treatment of said artificial thread, a plurality of axially



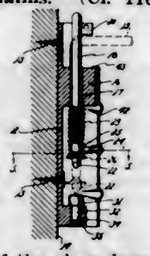
extending grooves in the said side wall surface thereof, and narrow slits connecting the said grooves with the thread-contacting surface of said side wall.

2,098,634
SASH BALANCE
David Rosenthal, Ellenville, N. Y.
Application April 11, 1935, Serial No. 15,917
5 Claims. (Cl. 16—215)



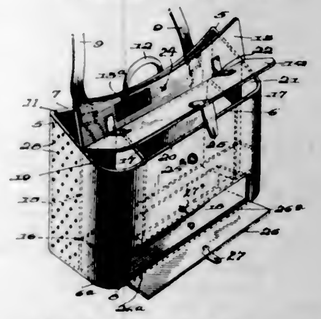
1. A sash pulley comprising a rectangular prismatic casing formed of two side faces, top and bottom faces, a closed end and an open end opposite thereto, a pulley rotatably mounted between said side faces having a portion thereof projecting beyond said casing through said open end, a slot in the bottom face of said casing near the closed end adapted to permit the passage of a flexible member over said pulley, an attaching flange extending downwardly in the plane of one of said side faces and below said bottom face, and a second attaching flange extending perpendicularly from the second side face and in the plane of said top face.

2,098,635
CLOSURE ALARM
Fred M. Schultz, Detroit, Mich.
Application April 27, 1936, Serial No. 76,616
2 Claims. (Cl. 116—89)



2. A device of the class described, comprising: a supporting member; an engagement member carried by said supporting member, adapted for the reception of an explosive cap; an exploding plunger adapted for movement into engagement with said cap, for exploding the same; a spring for moving said plunger into exploding position; means for releasably locking said plunger in cocked position against the compression of said spring; a housing for enclosing said engagement member, said housing being movable on said supporting member to position for uncovering said engagement membe.; and means on said housing adapted upon movement of said housing to uncovering position for preventing the release of said locking means.

2,098,636
FISH AND TACKLE BASKET
William E. Smith and Irvine J. Focht, Wellsboro, Pa.
Application July 24, 1936, Serial No. 92,460
7 Claims. (Cl. 43—31)



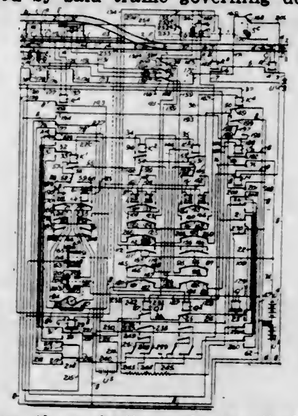
1. A combined fish and tackle container for fishermen comprising in combination, a body having front, rear, side and bottom walls, and open at the top, a longitudinally extending vertical partition connecting said side and bottom walls between the front and rear walls whereby to provide a rear fish compartment extending the full height and length of the container and open at the top, said partition also providing a front tackle-receiving area in said container, means providing laterally spaced vertical partitions engaging said first-mentioned partition and abutting the front wall of the container whereby to reinforce the same and said first-mentioned partition and provide tackle-receiving compartments, separate swingable closures for said tackle and fish compartment portions of said container, and a common hinge means for said closures carried by said first-mentioned partition adjacent the second-mentioned partitions, the latter serving to reinforce the first-mentioned partition at the site of said hinge means.

2,098,637
SERUM TREATMENT FOR MANGE
Hugh J. Tingley, Winnipeg, Manitoba, Canada
No Drawing. Application January 13, 1936, Serial No. 58,985
3 Claims. (Cl. 167—53.2)

1. The process of producing a serum for the subcutaneous treatment of mange in canines consisting of the extraction of fluid from the amnion and allantois of bitches at the time of the performance of a Caesarean section or at normal parturition, the said amniotic and allantoic fluids being afterwards combined with a percentage of a saline and with phenol, said composition being afterwards filtered.

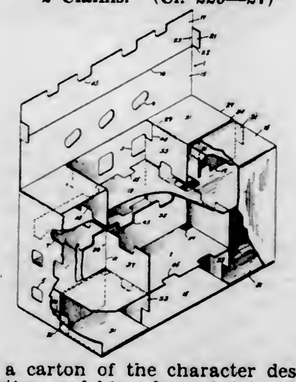
2,098,638
RAILWAY TRAFFIC CONTROLLING APPARATUS
Herbert A. Wallace, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 29, 1926, Serial No. 125,659
Renewed September 11, 1930
112 Claims. (Cl. 246—3)

1. In combination, a stretch of railway track, a plurality of traffic governing devices for said stretch separately controlled from a distant point, a plurality of polarized relays located at such point and requiring currents of different magnitudes to energize the relays, a source of energy for supplying current to all said relays, means controlled by said traffic governing devices for



controlling the polarity and magnitude of the current supplied to said relays, and a plurality of indicators located at such distant point and selectively controlled by said relays.

2,098,639
CARTON
Edwin A. Walther, Sandusky, Ohio, assignor to The Hinde and Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio
Application November 15, 1935, Serial No. 49,980
2 Claims. (Cl. 229—27)

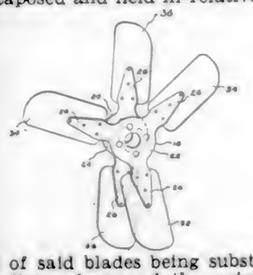


1. In a carton of the character described, in combination, end-hinged panels laterally divided, cover flaps substantially equal in width to the width of said divisions and adapted when folded to overlie said panels, a tuck on each of said flaps, said tucks being adapted to pass down between the adjacent edges of said panels, and lock tabs hinged to said tucks at a right-angle to the flap-tuck bend line and having an edge substantially in the plane of said line.

2,098,640
FAN CONSTRUCTION
Beecher B. Cary, Jackson, Mich., assignor to Hayes Industries, Inc., Jackson, Mich., a corporation of Michigan
Application May 15, 1936, Serial No. 79,949
1 Claim. (Cl. 170—165)

A rotary fan for automobiles and the like comprising a pair of fan units each having individ-

ual central spider structures, one of said units having an odd number of equally spaced blades, the other of said units having an even number of equally spaced blades, said spider structures being juxtaposed and held in relatively fixed re-



lation, all of said blades being substantially coplanarily disposed around the axis of rotation and so arranged that the angles between adjacent blades are all different, said units being individually and collectively in static balance.

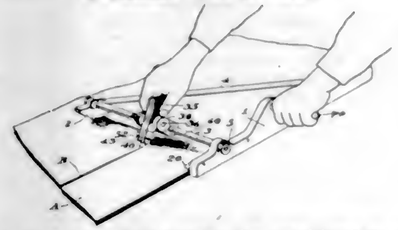
2,098,641

STRIP CUTTER

Jerome E. Cook, Larchmont, N. Y., assignor to Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn., a corporation of Massachusetts

Application April 15, 1936, Serial No. 74,397

2 Claims. (Cl. 30—293)



1. In a rug strip cutter, the combination of a gauge adapted to abut the edge of the rug to be cut, a presser member adjacent the gauge adapted to bear on the upper surface of the rug adjacent the said edge, a second presser member, means connecting the two presser members to space the second presser member a predetermined distance from the first presser member, a blade holder and means for mounting the blade holder on said connecting means intermediate said presser members, the said blade holder being pivotally mounted to afford a free swinging movement of the blade toward and away from the work as the cut progresses.

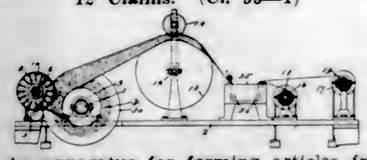
2,098,642

METHOD AND MEANS FOR FORMING ARTICLES FROM PAPER

Harold E. Cude, Manchester, Conn.; Agnes Hall Cude, Manchester, Conn., administratrix of Harold E. Cude, deceased

Application July 30, 1936, Serial No. 93,386

12 Claims. (Cl. 93—1)



1. An apparatus for forming articles from a continuous strip of material which comprises means for supplying said strip of material, a rotatable mandrel about which the strip is to be wound, means for rotating said mandrel, disks rotatable in frictional contact with opposite faces of the mandrel for in cooperation therewith drawing the strip and folding it over the periphery of the mandrel, means for initially scoring the strip as it passes to the mandrel, and means for treating the strip with a binding compound as it feeds.

2,098,643

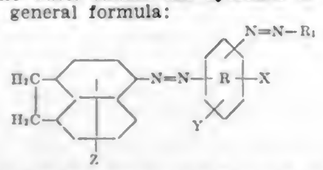
WATER-SOLUBLE AZO-DYESTUFFS

Erich Fischer, Bad Soden-on-Taunus, and Richard Huss, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 26, 1936, Serial No. 87,586. In Germany June 29, 1935

5 Claims. (Cl. 260—76)

1. The water-soluble azo-dyestuffs of the following general formula:



wherein the benzene nucleus R contains at least two hydroxy groups, R_1 means a member of the group consisting of radicals of the benzene, naphthalene, diphenyl and acenaphthene series, X stands for one of the group consisting of hydrogen and the radical —N=N—R_1, Y for one of the group consisting of hydrogen, sulfonic acid and carboxylic acid, Z stands for one of the group consisting of hydrogen and sulfonic acid, and wherein the dyestuff contains at least one sulfonic acid group, being yellow-brown to black-brown powders which are soluble in water and dye leather yellow-brown to black-brown shades of good fastness properties.

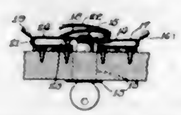
2,098,644

SWITCH

James M. Gleason, Chicago, Ill., assignor to Morris B. Sachs, Chicago, Ill.

Application August 15, 1934, Serial No. 739,863

7 Claims. (Cl. 200—44)



1. A switch comprising a pair of contacts normally maintaining a circuit through themselves by mutual contact and supported on a surface in spaced apart relation thereto, a rotatable shaft perpendicular to said surface having an insulator finger fixed thereon constructed and arranged to be rotated between said surface and said contacts in one direction of rotation, means for causing the insulator to ride up over the outside surface of said contacts when rotated in the opposite direction, and arcuate resilient extensions on said contacts constructed to be overridden by said insulator during said opposite rotative movement, the extension most remote from said surface being shorter than the other providing a space for admitting the insulator between said extensions.

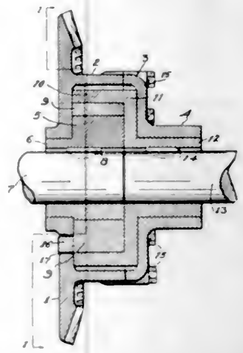
2,098,645

POWER DRIVE FOR MOTOR VEHICLE AXLES

Edwin J. Gould, Oakland, Calif., assignor to Cora Gould Harvey, Alameda County, Calif.

Application July 1, 1935, Serial No. 29,298

5 Claims. (Cl. 74—389.5)



1. A power drive for motor vehicles of the class described comprising two axles in alignment with each other, an eccentric member fixed to one of said axles, a wedging eccentric member mounted on said eccentric member, a concentric drum mounted on said eccentric wedging member and being fixed to the other of said axles, a drive member having a drum forming part of an inclosing housing, a drum member forming the other part of the inclosing housing, an opening in the side of the drive member, and a projecting member on said wedging eccentric member adapted to project into said opening.

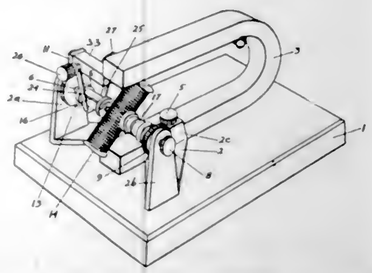
2,098,646

EDUCATIONAL APPARATUS

Ervin Holbrook Lewis, Boston, Mass., assignor to Cambosco Scientific Company, Waverley, Mass., a corporation of Massachusetts

Application August 8, 1935, Serial No. 35,240

16 Claims. (Cl. 35—19)



1. An electric motor and generator device for educational purposes including a field magnet, an armature, a base and an armature supporting and field magnet positioning member secured to said base and having a substantially U-shaped portion in the plane of the base, said U-shaped portion carrying means for positioning said field magnet and said member having parallel arms extending perpendicularly to said plane, said arms being adapted rotatably to support said armature shaft parallel to said base.

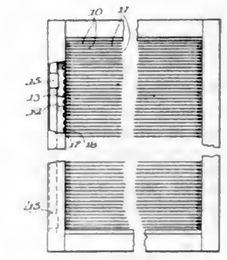
2,098,647

ELECTROCUTING TRAP

Edward A. Lindsley, Chicago, Ill., assignor to National Electric Screen Co., Chicago, Ill., a corporation of Illinois

Application June 11, 1936, Serial No. 84,621

8 Claims. (Cl. 43—112)



6. An electrocuting trap including straight bars providing spaced electrodes, said electrodes being spaced with respect to their diameters so that corona may form between said electrodes, enlargements respectively providing supports for said bars, the enlargement of one electrode being spaced from the enlargement of an adjacent electrode and being of a different diameter than said electrodes, the ratio of the diameters of said enlargements to the spacing between said enlargements being such that corona cannot form on said enlargements.

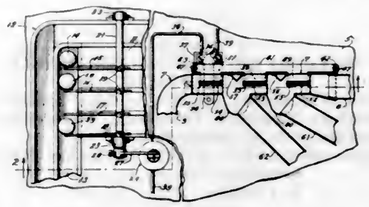
2,098,648

BALL CONTROL MECHANISM FOR PINBALL GAMES

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

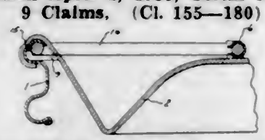
Application December 24, 1934, Serial No. 758,910

9 Claims. (Cl. 273—118)



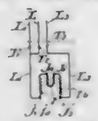
1. In a pin ball game the combination with a playing board, of a downwardly inclined guide chute positioned to receive balls rolling from the board, a downwardly inclined ball runway, a series of movable stop members spaced along said runway in the path of movement of a ball thereon, and electrically operated means for moving said members away from and back to ball obstructing position on the runway, said means including an energizing circuit having a plurality of switch arms spaced along said guide chute in position to be successively actuated by a ball advancing thereon, and means for retarding advance of the actuating ball along said chute after making contact with one of said arms and before contacting the next succeeding arm, whereby to allow time for return of said stop members to ball obstructing position between successive closings of the energizing circuit.

2,098,649
BOTTOM STRIP SEAT FRAME CONNECTION
Donald E. Sargent, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application April 1, 1935, Serial No. 14,039
9 Claims. (Cl. 155—180)



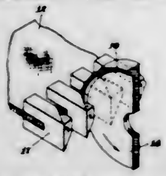
4. A combination of a bottom strip, three tongues disposed in substantial alignment on one end thereof, and a frame having a laterally extending channel receiving the two outer tongues, the center one of said tongues overlapping at least one side of and the back of said channel.

2,098,650
TEMPERATURE MEASURING SYSTEM
Irving M. Stein, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 27, 1935, Serial No. 51,822
9 Claims. (Cl. 73—32)



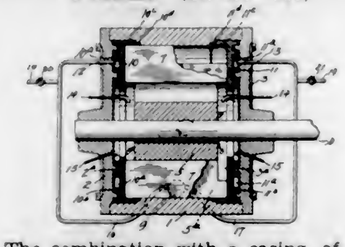
1. A detector for a resistance thermometer comprising a conductor having a substantial positive temperature coefficient of resistance and which is conductive at ordinary temperatures and a standardizing conductor having a low temperature coefficient of resistance and the ratio of whose resistance to the total resistance of the detector is such that said detector has a standard temperature coefficient of resistance, one of said conductors divided into components between which the other conductor is connected.

2,098,651
METHOD OF MAKING SEPARABLE FASTENERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application August 8, 1933, Serial No. 684,237
Renewed August 22, 1935
8 Claims. (Cl. 18—59)



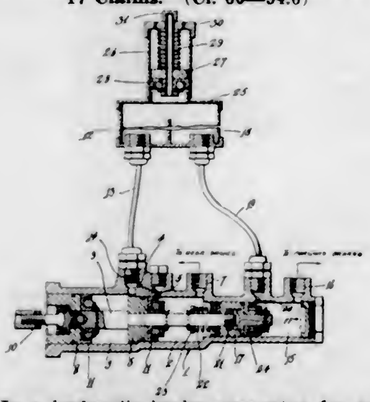
1. The method of making stringers for separable interlocking fasteners which comprises forming an elongated strip of material with a series of uniformly spaced teeth, said teeth having aligned slots to receive the edge of a flexible support and a portion projecting from the support, attaching said strip to a flexible support, and carving from said projecting portion a series of spaced elements each having a projection and a recess for interlocking with projections and recesses of cooperating elements.

2,098,652
ROTARY PUMP
John Calvin Buckbee, Los Angeles, Calif.
Application August 13, 1935, Serial No. 35,967
3 Claims. (Cl. 103—136)



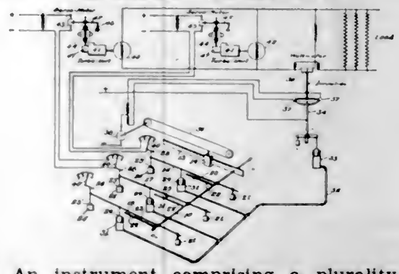
1. The combination with a casing, of a rotor, vanes radially slidable in said rotor, said rotor and vanes being shorter than the distance between the casing heads, annular members freely seated in the spaces between the rotor and the casing heads and concentric therewith to provide within the inner periphery of the annular members a cylindrical space for receiving a lubricating medium, there being in each annular member an annular groove for receiving a pressure medium to maintain the annular members pressed against the rotor ends, and means for sealing said grooves to prevent pressure medium leakage around the annular members.

2,098,653
HYDRAULIC BRAKE APPARATUS
Eugene G. Carroll, Los Angeles, Calif., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application April 16, 1928, Serial No. 270,286
17 Claims. (Cl. 60—54.6)



1. In a hydraulic brake apparatus for applying brakes by the actuation of a pedal, the combination of a master cylinder having a chamber of a given diameter and a chamber of relatively larger diameter, a piston mounted in the smaller chamber and a piston mounted in the larger chamber, and having means for connecting the same with the brake-pedal, said pistons being connected to move in unison, an unobstructed by-pass connecting the said chambers, with a port opening through the wall of the smaller chamber at such a point that it is traversed by the smaller piston in its movement, and means for connecting the relatively small chamber to the brakes, the piston in the relatively large chamber operating, when moved forwardly, to maintain the pressure in the smaller chamber while the smaller piston is crossing the said port.

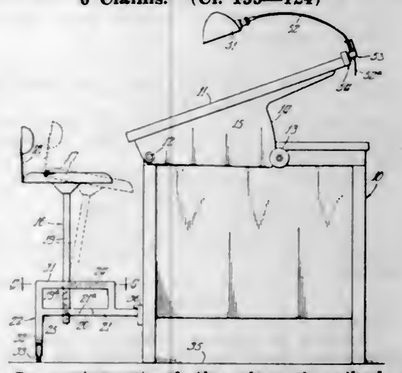
2,098,654
LOAD ALLOCATING DEVICE
Wilber A. Carter, Detroit, Mich.
Application July 21, 1932, Serial No. 623,834
18 Claims. (Cl. 290—4)



1. An instrument comprising a plurality of mechanisms connected in parallel relation to a load to each carry a portion of such load with different load carrying characteristics, said device comprising a rotatable shaft, an arm secured to the shaft, a weight supported slidable on said arm, a plurality of arms pivoted on said shaft for movement thereon, yieldable means interconnecting the arms to the shaft containers, fluid in said containers, and bodies movable in said fluid connected to said yieldable arms to oppose movement of said shaft by said weight on its supporting arm.

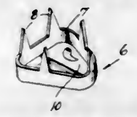
18. In combination, a group of energy transforming units connected in parallel to a transmission system, a plurality of movable secondary control means each of which is connected to control energy flow in a unit, respectively, a master control means responsive to variations in the system load and connected with said secondary control means, and a plurality of means, each simulating desired characteristics of a transforming unit connected to selectively affect movement of said master control means.

2,098,655
WORK EQUIPMENT
Harold L. De Lisle, Two Rivers, Wis.
Application January 28, 1935, Serial No. 3,698
6 Claims. (Cl. 155—124)



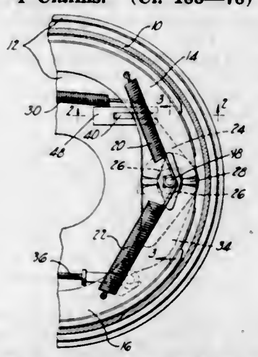
5. In equipment of the class described, the combination including a table, a chair base associated with the table, a track for the chair base along the table front providing a guide for parallel movement of the chair base with respect to the table at a uniform distance therefrom, said track being carried solely by the table spaced upwardly from the floor, anti-friction means carried by the chair base and bearing on the track supporting the chair base and permitting said movement of the base, said chair base having at least three points of support being supported on the floor at a point spaced from the table and being otherwise unsupported except by a cantilever support on said track, and a seat carried by the base and movable on the base toward and from the table.

2,098,656
TOY ANIMAL NOSE PIECE
Arthur A. Gerling, New York, N. Y.
Application May 8, 1937, Serial No. 141,397
3 Claims. (Cl. 46—164)



1. In combination with a toy animal head having a foundation of stuffed fabric, a metallic nose-piece therefor, the said nose piece comprising a cupped shell and bendable prongs extending from the said shell, the said prongs penetrating and being bent about the head material for securing the said nose-piece in place.

2,098,657
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application December 21, 1935, Serial No. 55,527
4 Claims. (Cl. 188—78)



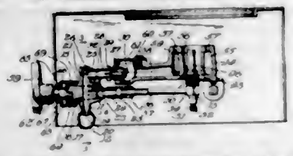
1. A brake comprising a backing plate having friction means mounted thereon and provided with an anchor between the ends of the friction means, an operating lever formed and arranged to float relatively to said anchor circumferentially of the brake and having thrust parts acting on said ends and having portions extending on opposite sides of said anchor, a second lever mounted on the anchor and having a part in thrust engagement with one of the portions of the operating lever and having actuating means extending through the backing plate, and an auxiliary lever extending through the backing plate and having one end acting on the other of said portions and having actuating means connected to its other end.

2,098,658
SYRINGE
John T. Goltman, Clinton, and John W. Robbins, Davenport, Iowa, assignors to Applicator Products Corporation, Clinton, Iowa, a corporation of Iowa
Application February 28, 1935, Serial No. 8,604
6 Claims. (Cl. 128—231)



1. In a device of the kind described, an exterior tube, an interior tube secured in said exterior tube and having its walls spaced from the walls of said exterior tube, and means to prevent liquid from said exterior tube entering said interior tube, said means comprising a reciprocating plunger inclosed within said exterior tube and adapted to reciprocate between the walls of said tubes and form a closure for said interior tube.

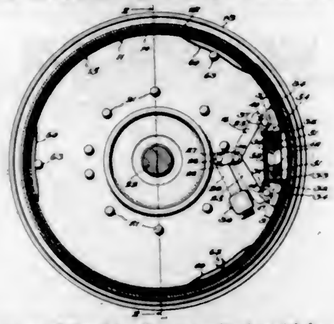
2,098,659
GAS BURNER
Philip S. Harper, Chicago, Ill.
Application July 2, 1936, Serial No. 88,520
2 Claims. (Cl. 158—105)



1. In combination, a gas valve having a single inlet and having two outlets, one above the other and substantially parallel with each other, the upper of said two outlets having a restricting orifice, a gas burner comprising an annular burner section having a central hole therethrough and a mixing tube connecting therewith, said upper outlet of said valve slidably projecting into the said mixing tube, said burner having means allowing for admission of air to said mixing tube, a tubular extension rigidly connecting with the lower of said outlet projections and extending horizontally therefrom below the mixing tube of said annular burner to a point below the central hole of said burner, said tubular extension connecting with a vertically disposed warming burner which extends upwardly within the central hole of the said annular burner section, the outer wall of said warming burner being spaced from the inner wall of said annular burner so as to allow for adequate upward flow of secondary air to both burners, said warming burner being adequately supported by said lower outlet, said gas burner being free from rigid connection with said warmer burner, said warming burner having a restricting gas discharge orifice discharging upwardly into a vertical mixing tube, the warming burner having air opening means in the vertical mixing tube above said gas discharging orifice in order to allow for admission of primary air into the warming burner.

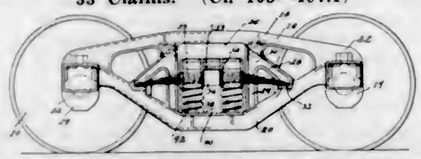
2,098,660
BRAKE
Jesse G. Hawley, Painted Post, N. Y., assignor to Hawley-Jones Corporation, Riverside, N. Y., a corporation of New York
Application February 2, 1932, Serial No. 590,481
5 Claims. (Cl. 188—78)

1. In a brake, the combination of a brake cover, a drum relatively movable with respect thereto, a creeping brake lining for engagement with the drum, a flexible brake shoe for cooperation with the brake lining, a toggle member for ex-



panding said brake shoe against said brake lining, and means which at all times exert an outward thrust on portions of the brake shoe remote from its ends.

2,098,661
TRUCK
William C. Hedgcock, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 10, 1933, Serial No. 697,379
33 Claims. (Cl. 105—197.1)



1. In a truck, the combination of a side frame, spaced wheel and axle assemblies, said side frame including tension and compression members merging adjacent the ends thereof and provided with journal means cooperating with the journal ends of said wheel and axle assemblies, spaced integral connecting columns forming a window with said tension and compression members, spring seats on one of said last-named members, a resilient member between said seats, a load carrying member extending into said window and supported on said resilient member, and means on said side frame cooperating with said resilient member to load said resilient member to thereby increase the amount of energy said resilient member will absorb.

2,098,662
COPYING PAD AND METHOD OF PREPARING SAME
William Hoskins, Jr., La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
No Drawing. Application May 23, 1936, Serial No. 81,513
15 Claims. (Cl. 41—31.6)

1. A copy pad comprising a backing, a copy mass and an intermediate bonding layer of a sulphonated oil.

2,098,663
LIQUID PASTEURIZING APPARATUS
Andrew B. Juhasz, Norwalk, Conn.
Application April 23, 1936, Serial No. 76,014
4 Claims. (Cl. 219—38)

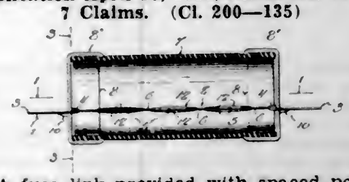
1. A pasteurizing apparatus of the class described comprising a heating chamber including

an electric heating unit, a liquid receptacle movably supported in said chamber, a removable distributing unit comprising a perforated base sup-



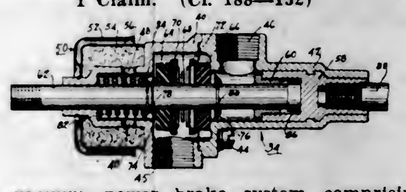
ported in spaced relation to the bottom of the receptacle and including a funnel to receive the liquid, and means for supplying liquid to the distributing unit.

2,098,664
ELECTRICAL FUSE LINK
Oscar H. Jung and Paul E. Heffelfinger, Milwaukee, Wis., assignors to Trico Fuse Mfg. Co., Milwaukee, Wis.
Application April 16, 1934, Serial No. 720,770
7 Claims. (Cl. 200—135)



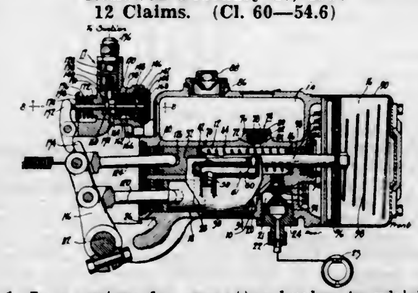
1. A fuse link provided with spaced potential fusible portions and an enlarged intermediate area, the surface of the intermediate portion being coated with a material which is an electrical non-conductor, and at the same time a heat conductor, the thickness of the coating being gradually reduced to nothing toward the edges of the coated area.

2,098,665
BRAKE
Victor W. Kliesrath, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application April 24, 1936, Serial No. 76,119
1 Claim. (Cl. 188—152)



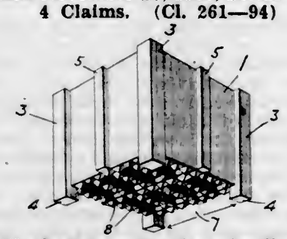
A vacuum power brake system comprising brakes, a power cylinder, connections between the power cylinder and the brakes, means for connecting one end of the power cylinder constantly with the atmosphere, a source of suction, means for at will controlling fluid connection to the other end to the power cylinder to connect said end either to the source of suction or to the atmospheric as desired, said means for controlling the connection to the power cylinder comprising a valve, and said valve comprising a casing formed with a forward end and a rearward end, formed with an opening adjacent to the forward end connected with the atmosphere, formed with an opening adjacent to the rearward end connected with said source of suction, formed with a pair of valve seats interposed between said openings, formed with an opening intermediate said seats arranged to be connected with said power cylinder, and formed at its forward end with a central bore, and provided with a pair of substantially uniform size valve elements also interposed, a stem extending into said casing through said central bore and provided with an enlargement at its rearward end and with three annular rings, two of which are arranged at times to contact with said valve elements to move said valve elements from sealing engagement with their associated seats, and connected outside of said casing with a member for operating said stem whereby one or the other said valve elements may be moved from its associated seat or both of said elements may be allowed to rest upon their associated seats, a spring interposed between said valve elements and urging both of them toward their respective seats, a spring interposed between the forward end of said casing and said third ring, an air cleaner associated with said atmospheric opening, and a pair of plugs secured within the rearward end of said casing against which the enlargement of the stem is at times arranged to bear so as to move the casing in either direction as desired.

2,098,666
BRAKE
Ludger E. La Brie, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 15, 1932, Serial No. 638,017
Renewed February 17, 1937
12 Claims. (Cl. 60—54.6)



1. In a system for operating brakes in which a hydraulic fluid is utilized, means for applying said brakes responsive to increases in pressure in the hydraulic fluid, vacuum operated means for applying pressure to said fluid, manually operated means for applying pressure to said fluid, a foot pedal, a lever associated with said pedal and formed with a projection, a valve, a pivoted lever normally adapted to contact with said projection and with a portion of said valve and means whereby movement of said pedal to apply said brakes releases the contact of said pivoted lever with said valve.

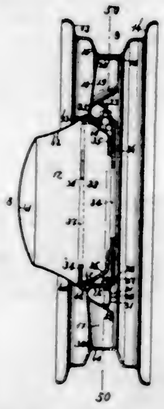
2,098,667
DRIP POINT GRID TILE
Fred M. Miller, Bala-Cynwyd, Pa.
Application November 27, 1936, Serial No. 112,881
4 Claims. (Cl. 261—94)



1. A tile having supports extending from its lower face so as to space said lower face above the

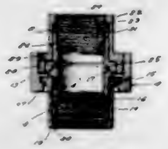
means supporting the tile, said tile having therein perforations extending vertically through said tile, and downwardly extending pointed projections surrounding the lower ends of said perforations.

2,098,668
VEHICLE WHEEL
Richard B. Miller, Brooklyn, N. Y., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application October 30, 1933, Serial No. 695,821
1 Claim. (Cl. 301—64)



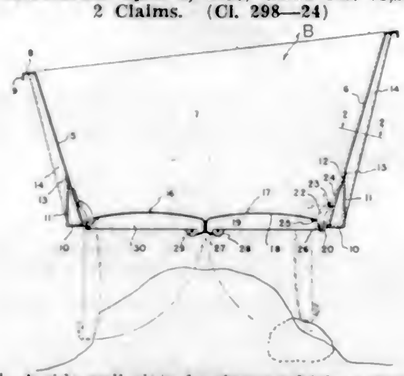
A wheel assembly including a wheel body member, a tire-rim carried by said wheel body member, an annular wall extended radially-inwardly of the wheel body and merged with an annular flanged body having a central opening, a bolting-on member engaged with said flanged body and having cover member engaging means, and bracing members at the inboard side of the wheel body member adapted for stiffening the wheel body member radially and axially.

2,098,669
PIPE UNION
Walter S. Moffitt, Warwick, R. I.
Application June 1, 1936, Serial No. 82,705
1 Claim. (Cl. 285—124)



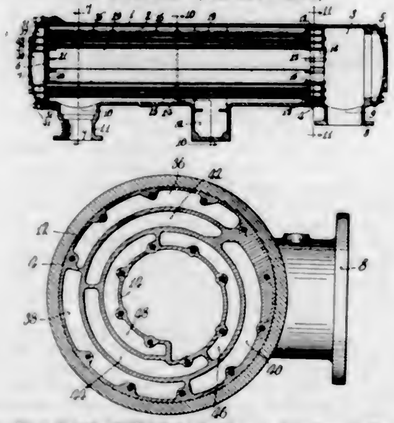
In a pipe union, two outer shells each having outwardly turned annular flanges at one end and inwardly turned annular flanges at the other end, each shell having elongated cylindrical members of non-corrodible metal seated therein with one end of each non-corrodible cylinder abutted against the inwardly turned flange of its shell and the other ends of said cylindrical members being formed to provide engageable sealing surfaces, the flanges and the adjacent portions of the cylindrical members having a continuous screw thread, and means engaging the outer flanges to detachably lock the shells and the cylindrical members together.

2,098,670
DUMP BODY
Ralph T. Osman, Milwaukee, Wis.
Application April 8, 1936, Serial No. 73,296
2 Claims. (Cl. 298—24)



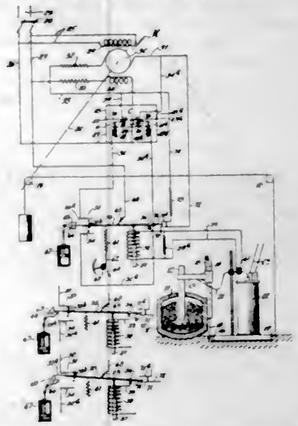
1. A side wall plate for dump vehicles comprising, an inclined body portion, a laterally extending flange formed on the upper edge of the body portion, a laterally and outwardly extending horizontal bottom wall portion formed on the lower edge of the body portion, an upwardly and vertically extending reinforcing plate portion formed on said bottom wall portion, said reinforcing wall portion having its upper edge extending into abutting relation with the outer surface of the body portion, said edge being welded to the outer surface of the body portion, and reinforcing ribs welded to said body portion, said ribs being extended into intimate abutting engagement with the top flange and the side reinforcing plate portions.

2,098,671
HEAT EXCHANGE DEVICE
Win W. Paget, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application January 5, 1937, Serial No. 119,124
10 Claims. (Cl. 257—240)



6. In a heat exchange device, a horizontal shell, means arranged within said shell providing a substantially spiral passage for the fluid to be cooled, tube headers constituting the ends of said fluid passage, said headers having formed therein cooling liquid spaces corresponding generally to the convolution of the fluid passage, and substantially horizontal cooling tubes connected with said liquid spaces and extending longitudinally through said fluid passage, said liquid spaces each divided by partitions so disposed that liquid admitted to one of the liquid spaces will flow successively across through some tubes and back through others in zig-zag fashion and in a generally counter-current direction in relation to the fluid flowing through the fluid passage.

2,098,672
AUTOMATIC ELECTRIC ARC FURNACE ELECTRODE CONTROL
William Harvey Payne, La Grange, Ill.
Application November 2, 1936, Serial No. 108,739
8 Claims. (Cl. 13—13)



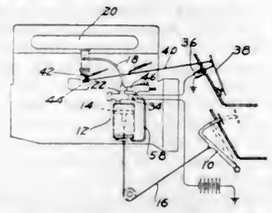
1. In combination with an electric furnace having a movable arcing electrode and a support therefor and a current-carrying conductor for said electrode, a reversible prime mover adapted to raise and lower said electrode to maintain an arcing gap of desired length, a control circuit responsive to variations in the current flowing through the electrode, motor circuits for imparting raising and lowering movements to the prime mover, a contact making device responsively actuated by current variations in the control circuit and adapted to stand in open circuit breaking relation to both motor circuits when the electrode current is flowing at substantially normal rate and to close one or the other of the motor circuits when the electrode current varies from set normal, and damping means for retarding the movements of the contact making device only when moving in either direction through an intermediate range on either side of and including the neutral position and being entirely undamped in the circuit closing and breaking positions.

2,098,673
SURGICAL BASIN
James C. Pollock, Lansdale, Pa.
Application August 19, 1936, Serial No. 96,729
13 Claims. (Cl. 128—275)



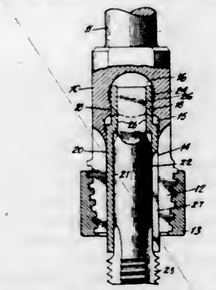
1. A surgical basin having a pan portion, a lateral portion extending beyond the pan portion and serviceable as a rest surface at the level of the pan top for supporting the head or other part of the body, and a wall which recedes downwardly and inwardly from the inner edge of the rest surface to the pan bottom.

2,098,674
CLUTCH CONTROL MECHANISM
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 27, 1931, Serial No. 577,659
4 Claims. (Cl. 192—.01)



1. A clutch operating mechanism for an automotive vehicle provided with an internal-combustion engine having an intake manifold and further provided with a clutch, said operating mechanism comprising a vacuum operated double-ended fluid motor and a control valve for said fluid motor, and valve means connected to the compression side of said motor and also connected to said manifold, said valve adapted to control the clutch engaging function of said motor, said valve being operable in accordance with the degree of manifold vacuum to determine the rate of efflux of air from the compression side of said motor.

2,098,675
TOOL-HOLDING CHUCK AND COLLET THEREFOR
Harry G. Procunier, Chicago, Ill., assignor to Procunier Safety Chuck Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1936, Serial No. 64,058
3 Claims. (Cl. 279—42)



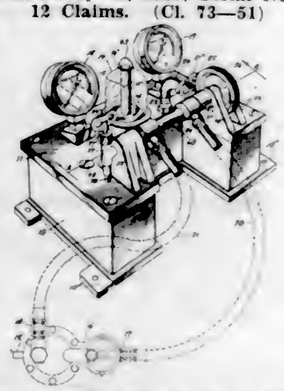
1. A chuck for tools having cylindrical shanks with flat ends, said chuck comprising a body having a longitudinal bore and a transverse cylindrical hole which intersects the end wall of the bore a chordal distance less than the diameter of the bore thereby forming diametrically opposite shoulders at the inner end of the bore, said shoulders having their opposed edge portions removed to form flat tool end engaging surfaces to provide driving connections between the chuck and tool, and means at the outer end of the chuck for clamping the tool therein.

2,098,676
BEAM AND THE LIKE FOR BUILDING CONSTRUCTION
Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership composed of Albert Rafter and John C. Rafter, Jr.
Original application May 16, 1936, Serial No. 80,089. Divided and this application December 4, 1936, Serial No. 114,150
3 Claims. (Cl. 189—37)



3. In a structural member for building construction, a pair of spaced plates provided with a plurality of spaced apertures, inwardly directed flanges surrounding said apertures and integral with said plates, the flanges on one plate being positioned within the flanges on the other plate, each of said plates having outwardly directed flanges bent back upon themselves, the free edge of one flange being bent over and around the free edge of the other flange to provide interlocking means to prevent separation of the plates.

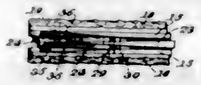
2,098,677
PUMP TESTING APPARATUS
Erwin J. Saballus and John H. O. Saballus, Chicago, Ill., assignors to Joseph Weidenhoff, Inc., Chicago, Ill., a corporation of Illinois
Application May 23, 1935, Serial No. 22,997
12 Claims. (Cl. 73—51)



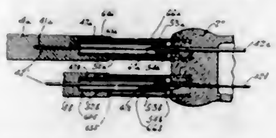
10. A unitary apparatus for testing pumps comprising, in combination, a liquid supply tank for storing liquid to be employed in the testing of the pumps, means forming a supply conduit for conducting liquid from the tank to the inlet of a pump to be tested, means forming a return conduit for conducting liquid from the outlet of such a pump back to the tank, means mounted on said tank and communicating with said supply conduit for indicating the suction created by the pump, means mounted on said tank and communicating with said return conduit for indicating the pressure created by the pump, and a shut-off device for each of said conduits mounted on the tank respectively adjacent the suction and the pressure indicating means and respectively actuated to render the suction or the pressure indicating means operable.

2,098,678
POCKET KNIFE
George Schrade, Bridgeport, Conn.
Application January 16, 1936, Serial No. 59,333
6 Claims. (Cl. 30—159)

6. A knife of the class described including lining members, a back secured between the lining members forming a spring for the blade and a guide for a latch, a movable latch mounted between said lining members and against said guide of the back, a spring between the latch and the back, means to hold the latch in position against the guide, a blade pivotally mounted in the linings and having its free end portion disposed to engage and be locked by the movable latch, a longitudinal movable slide having an exposed finger piece upon one portion and means connecting another portion with the said latch to operate the same against the action of its spring to release the blade, the opposite inner face of the portion of the linings adjacent to the latch being cut away to allow the end portion of the knife blade to freely pass the engaging portion of the latch.



2,098,679
GASEOUS DISCHARGE DEVICE
Richard M. Somers, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application March 20, 1935, Serial No. 11,919
5 Claims. (Cl. 176—122)



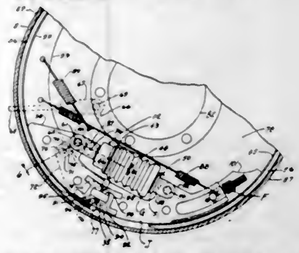
1. In a gaseous discharge device having an envelope, a conductive rod passing through said envelope; an anode mounted on said rod; a refractory insulating bead about said rod and sealed to said envelope; and a refractory insulating tube surrounding said bead and rod and entering said anode.

2,098,680
FUSIBLE COUPLING FOR FIRE ALARM CIRCUITS
Glen D. Stauffer, Nappanee, Ind.
Application November 27, 1935, Serial No. 51,907
2 Claims. (Cl. 200—142)



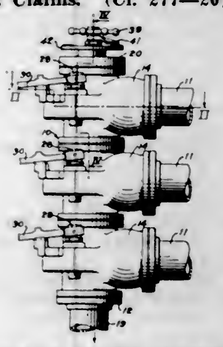
1. A fusible coupling comprising a relatively thick flat ring-like body of non-conductive, combustible material, said body having a central opening therein and openings through diametrically opposite sides thereof for communication with the central opening, a pair of terminals engaged within the diametrically opposed openings and having reduced inner ends extending into the central opening and spaced from each other, said terminals having longitudinal bores extending into the outer ends thereof for receiving line wires therein, fusible means for sealing said wires within the bores and fusible means in the form of a plug filling the central opening and encasing said reduced ends.

2,098,681
BRAKE
John W. Tatter, Detroit, Mich., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 12, 1932, Serial No. 610,827
Renewed April 19, 1937
20 Claims. (Cl. 188—106)



1. In a brake, the combination of a brake shoe member, a hydraulic cylinder mounted on the ends of said brake shoe member, a double arm lever member pivotally mounted on said hydraulic cylinder, an anchor pin engaging the ends of said brake shoe member, a member slidably mounted adjacent said anchor pin, said last mentioned member engaging said anchor pin together with the ends of said brake shoe member, and operating means connected with said double arm lever member.

2,098,682
SELECTIVE VALVE MANIFOLD FOR GASOLINE TANK TRUCKS AND THE LIKE
Howard E. Ward, Berkeley, Calif., and Walter W. Brown, Tuckahoe, N. Y., assignors to Ralph N. Brodie Company, Oakland, Calif., a corporation of California
Application August 12, 1936, Serial No. 95,672
3 Claims. (Cl. 277—20)



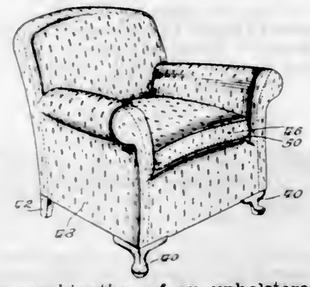
1. An apparatus of the character described comprising a manifold having a plurality of separate inlets and a common outlet, a separate valve to control each inlet and normally maintaining the same closed, a separate valve operating mechanism for each valve, each of said valve operating mechanisms including a valve operating member, a latching mechanism for each of said operating members normally latching said members in an inoperative position, said latching mechanisms including a selector shaft, a separate disk on said shaft for each latching mechanism, said disks each having a keeper slot, the keeper slots of said disks being relatively differently positioned, each latching mechanism including a latching lever associated with said operating member, each latching lever having a pin to cooperate with the keeper slot of the cooperating disk whereby when said keeper slot and pin are in alignment said operating member may be operated to open the valve.

2,098,683
BEARING
Harry E. Wise, Canton, Ohio
Application October 6, 1932, Serial No. 636,491
25 Claims. (Cl. 308—214)



1. A tapered roller bearing comprising inner and outer races, rollers between the races, and circumferential pressure and guiding ribs in direct contact with the opposite ends of the rollers under a thrust axially thereof at all times, one of said ribs being provided by a reversely-bent sheet metal ring retained on one of the races and defining a lubricant-retaining chamber.

2,098,684
SLIP COVER
Walter L. Fry, Bloomfield Hills, Mich.
Application August 27, 1937, Serial No. 161,248
11 Claims. (Cl. 155—182)

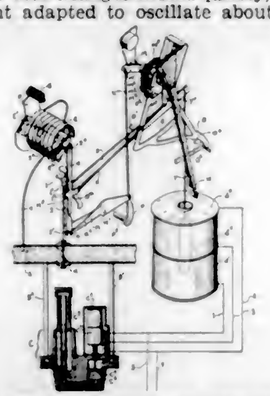


5. The combination of an upholstered article of furniture having a seat, back and arms so related as to provide re-entrant angles at the junctions of these parts, and a self-conforming bag-like slip cover adapted to fit snugly a multiplicity of such articles varying in shape and size, said cover having a back compartment, arm compartments attached to the back compartment, and a seat portion secured to the inner portions of the back and arm compartments, said compartments and seat portion being continuous and comprising resiliently deformable fabric having a structure tending to adhere to the upholstery, said fabric tucked into said reentrant angles whereby said slip cover is maintained smoothly stretched over said article.

2,098,685
MEASURING APPARATUS
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 18, 1932, Serial No. 587,211
10 Claims. (Cl. 73—206)

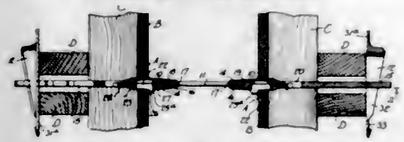
1. Flow measuring apparatus comprising in

combination a member, means responsive to the velocity of flow of a fluid for adjusting said member into different positions in accordance with changes in said velocity, a second member, means responsive to a quality of said fluid for adjusting said second member into different positions in accordance with changes in said quality, a deflecting element adapted to oscillate about an axis,



and power actuated means for periodically adjusting said element angularly about said axis in a direction and to an extent depending upon the positions of said members at the time at which said adjustment is effected relative to the positions of said members at the time at which the immediately preceding periodical adjustment of said element was effected.

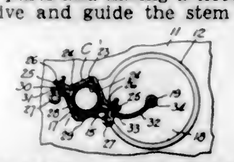
2,098,686
COMBINATION CLAMP AND GAUGE
Jenus F. Holm, Alhambra, Calif.
Application August 22, 1932, Serial No. 629,869
7 Claims. (Cl. 25—131)



1. A concrete form clamp comprising a pair of latch carrying elements; an intermediate tie element having detachable connection with said latch carrying elements; and pivoted and slidably mounted latching dogs upon the carrying elements; the tie element being co-operable with the latch carrying elements to definitely space the dogs apart from each other, whereby to enable the dogs to engage against the inner faces of the respective, oppositely disposed members of a mold whose mold space is of a width approximately equal to the distance of one dog to the other.

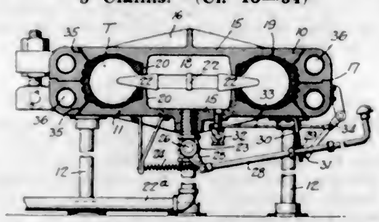
2,098,687
CENTERING GUIDE FOR FLUSH VALVES
George C. Kinsfather, Inglewood, Calif.
Application March 14, 1936, Serial No. 68,878
3 Claims. (Cl. 4—57)

1. A centering guide for the flush valves of flush tanks having a seat for the valve and a vertical overflow tube disposed at one side of the seat, comprising a two part clamp, each part of which is provided with angularly related flat jaw portions; clamp screws passing through one of said parts and threaded into the other for operation when tightened with the clamp applied to the overflow tube, in causing the angularly related jaw portions of the respective clamp parts to co-act in rigidly supporting the clamp from the tube against tilting irrespective of variations in tube diameters; and an arm projecting from one of said clamp parts and having a sleeve adapted to freely receive and guide the stem of the flush



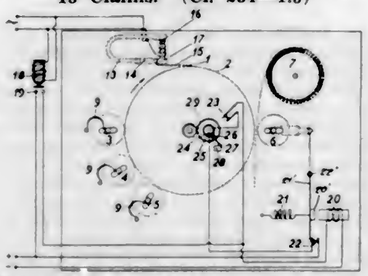
valve during raising and lowering movements of the valve; the arm being constructed of bendable material to enable adjustment of the length of the arm to be effected by laterally bending the arm in order to compensate for variations in the center to center distance between the overflow tube and seat and insure proper working and seating of the valve.

2,098,688
TIRE MOLD
Robert M. Lanyon, Los Angeles, Calif.
Application January 21, 1936, Serial No. 60,036
5 Claims. (Cl. 18—34)



1. A tire mold comprising means providing a curing chamber having a matrix adapted to receive the casing of a pneumatic tire; means for spreading and holding the beads of the tire spaced from each other; and means for causing expansion of the walls of the casing against the walls of the matrix directly from within the mold and including means for conducting a suitable volume of air at a predetermined pressure to the interior of the casing through the space between said beads.

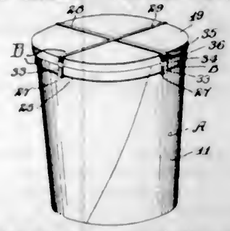
2,098,689
APPARATUS FOR AUTOMATICALLY RECORDING UNUSUAL OR ACCIDENTAL OCCURRENCES
Emile Masson, St. Maurice, France
Application March 8, 1935, Serial No. 10,041
13 Claims. (Cl. 234—1.5)



1. Recording apparatus, comprising, in combination, means for recording physical quantities,

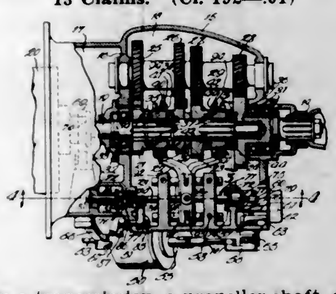
said means including a marker and a cooperating recording surface movable relatively to said marker and capable of transferring a record made thereon; means to operate said recording means to make a record of a physical quantity upon said recording surface; a second surface adjacent said recording surface; and means controlled by an abnormal variation in said physical quantity to move said second surface into contact with said recording surface to reproduce upon said second surface a record of said physical quantity, made upon said recording surface, comprising the variation in said record due to said abnormal variation in said physical quantity.

2,098,690
CONTAINER
Alfred R. Metzger, White Bear Lake, Minn.
Application February 15, 1934, Serial No. 711,438
8 Claims. (Cl. 229—47)



2. In combination, a container comprising tapered side walls, a bottom within said side walls, a container cover, a flat hoop about said side walls spaced from the large end of the container, diametrically opposed offset portions on said hoop and flat strap means connecting said diametrically opposite offset portions on said hoop to hold the container cover on the large end of the container.

2,098,691
TRANSMISSION
Paul W. Neff, Cincinnati, Ohio
Application January 19, 1934, Serial No. 707,346
13 Claims. (Cl. 192—.01)



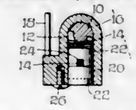
1. In a transmission, a propeller shaft, a clutch controlled drive shaft having its outer end axially engaged in the propeller shaft, a series of spaced gears loosely mounted on said drive shaft, a countershaft, a series of gears fixed on the countershaft, each thereof in constant mesh with a particular one of the first series, a slidable clutch means on the drive shaft for individually and selectively coupling the gears of the first series to the drive shaft, constantly meshing gears fixed on the countershaft and propeller shaft respectively, and an overrunning clutch between said propeller shaft and drive shaft for causing rotation of the drive shaft with the propeller shaft when the drive shaft tends to rotate or is being driven at a lower speed than the propeller shaft.

2,098,692
HIGH VOLTAGE SWITCHING DEVICE
Ralph R. Pittman and Carroll H. Walsh, Pine Bluff, Ark.
Application September 25, 1936, Serial No. 102,581
5 Claims. (Cl. 200—146)



1. In combination, elements constituting a current carrying switch including a stationary insulator, a movable insulator, and separable contacts carried thereby, an arc suppressor swingably mounted on said stationary insulator, said arc suppressor including a cylindrical element of insulating material and a hollow tubular insulator arranged for telescopic movement with respect to said cylindrical element, separable arc suppressing contacts secured respectively to said element and said tubular insulator, latch means maintaining and resilient means opposing the engagement of said arc suppressing contacts, and means cooperating with said movable insulator for swinging said arc suppressor about its mounting for unlatching said tubular insulator and effecting the disengagement of said arc suppressing contacts.

2,098,693
LEVEL WIND MECHANISM FOR FISHING REELS
John V. Schafer, Bronson, Mich., assignor to Bronson Reel Company, Bronson, Mich., a corporation of Michigan
Application August 16, 1935, Serial No. 36,514
13 Claims. (Cl. 242—84.4)

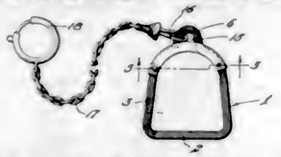


1. A level wind drive mechanism for fishing reels comprising, in combination: a threaded shaft; a carriage slidable parallel to the shaft axis and bearing directly on the shaft, said carriage having a transverse bore adapted to house pawl means; pawl means including a plurality of separate pawls of different configuration, each pawl having a thread-engaging blade, one of said blades being shaped to fit the threads on a new shaft, and another of said blades being shaped to fit the threads on a worn shaft; each pawl having a cylindrical portion fitting said bore, and another portion shaped to engage another pawl; retaining means engaging the pawl farthest from the shaft to prevent movement of all the pawls radially away from the shaft axis; and line guiding means mounted on said carriage.

2,098,694
KEY HOLDER STRUCTURE
Carl Schraysshuen, Providence, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application April 25, 1936, Serial No. 76,351
6 Claims. (Cl. 70—459)

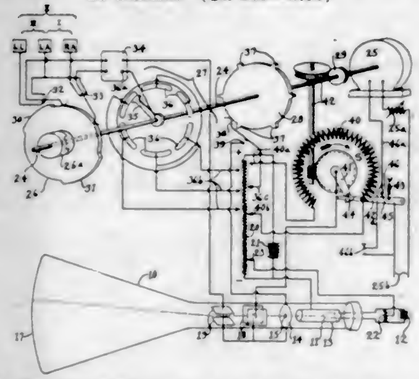
1. A key holder of the character described comprising members having curvilinear portions, one end of one of said members being pivotally connected to the other member adjacent to an end thereof whereby the members are movable to

bring the free ends thereof into separated position or into connected overlapping relation with each other, the free end portions of said members being provided respectively with a bent offset portion and an opening so arranged that the off-



set portion of one member will enter the opening in the other member in the closed position of the members and provide a latch receiving recess therebetween, and a hook member passed through the recess to hold the member ends against separation.

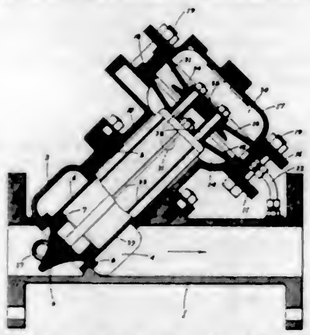
2,098,695
ELECTROCARDIOGRAPH APPARATUS
Laurence F. Southwick, Meriden, Conn.
Application November 6, 1934, Serial No. 751,753
13 Claims. (Cl. 128—2.06)



1. In an instrument for simultaneously exhibiting a plurality of graphs representing a plurality of variable electrical potentials, an audion tube amplifier, selector means adapted to successively impress upon said amplifier the voltage impulses derived from said potentials, circuits for superimposing characteristic biases on each of said impulses after amplification, distributor means for associating the individual potentials with their respective biases, a cathode-ray tube, and means for successively impressing said amplified and biased potentials upon the end wall of said cathode-ray tube.

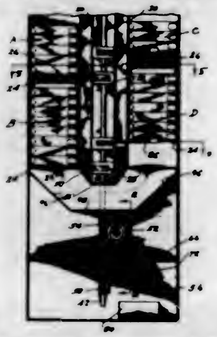
2,098,696
WATER REDUCING VALVE
Arthur Joseph Sparrow, Oakland, Calif., assignor to Charles M. Bailey Company, Inc., San Francisco, Calif., a corporation of California
Application January 22, 1936, Serial No. 60,223
3 Claims. (Cl. 137—153)

1. A reducing valve comprising a passage member adapted to form part of a liquid-flow line, means forming a closure in the member intermediate its ends to provide high and low pressure areas therein and comprising a valve seat fixed in the member and an axially movable valve engaging said seat, and having a stem projecting outwardly from said member, said valve opening in the direction of flow of the liquid, a casing structure into which the valve stem projects outwardly of the member, a pair of axially spaced diaphragms disposed at right angles to and beyond the valve stem, means securing the diaphragms to the stem, means securing the diaphragms about their periphery in the casing structure so as to form, with said structure, separate enclosed chambers on opposite sides of and between the diaphragms, passage means from the low pressure



area of the member to the chamber nearest the same, passage means from said area to the chamber between the diaphragms, a conduit from the high pressure area of the member to the remaining chamber, and means between said conduit and the low pressure area of the member to allow the high pressure liquid to bleed from said remaining chamber when the low pressure in the member drops a predetermined amount relative to the high pressure.

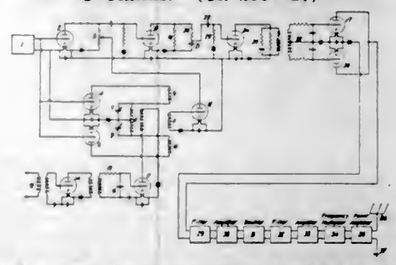
2,098,697
SINGLE COMPARTMENT SELECTIVE VENDING MACHINE
Anthony W. Vanderput, Los Angeles, Calif.
Application April 27, 1936, Serial No. 76,564
1 Claim. (Cl. 312—65)



A vending machine comprising a cabinet, a pair of adjacent upright merchandise compartments in said cabinet, each divided into a plurality of magazines, a compartment positioned centrally of said merchandise compartments, a plurality of selector arm units fixed within said central compartment, one for each of said magazines, a shaft in said central compartment and extending through and rotatable within said selector units, a rack on said shaft and having annular teeth formed concentrically thereon, a manually operable gear in constant mesh with said rack, whereby said shaft may be raised or lowered, a plurality of pins positioned in different spaced relation

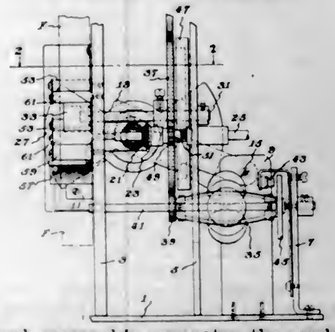
than said selector arm units on said shaft, one for each selector arm unit, means in said selector arm units to receive said pins whereby one of said pins may be engaged with one of said selector units when said shaft is raised or lowered a predetermined distance and means to rotate said shaft and an arm in temporarily keyed relation to said shaft, whereby an article may be ejected from a preselected magazine.

2,098,698
RADIO TRANSMITTING SYSTEM
Edwin H. Armstrong, New York, N. Y.
Application September 14, 1935, Serial No. 40,543
3 Claims. (Cl. 250—17)



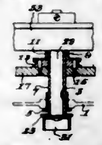
1. A system for transmitting a wide band frequency-modulated wave substantially free from undesired frequency variations resulting from the reaction of the master oscillator current upon the output current of the succeeding multiplier stage, said system comprising a low frequency master oscillator, frequency varying means therefor and a series of frequency multipliers, of means for preventing the master oscillator from causing a variation in frequency of the transmitted wave corresponding to its own frequency, said means comprising a frequency selective system arranged to exclude the fundamental frequency from the second of said series of frequency multipliers.

2,098,699
COMBINED SOUND AND PICTURE APPARATUS
Cecil N. Batsel, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1935, Serial No. 19,034
5 Claims. (Cl. 88—16.2)



3. In phonographic apparatus, the combination of a motor, a driving shaft associated with said motor, means for advancing a perforated film record uniformly past the sound translating station comprising a shaft and a sprocket mounted thereon for engaging said film, a gear on said sprocket shaft, a second gear resiliently coupled to said driving shaft and meshing with said first named gear, and a friction controlled governor coupled to said sprocket shaft gear for controlling the speed of said sprocket.

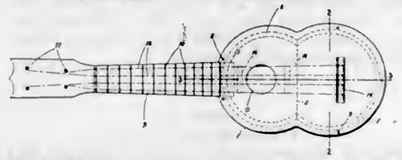
2,098,700
COMBINED SOUND AND PICTURE APPARATUS
Cecil N. Batsel, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1935, Serial No. 33,257
17 Claims. (Cl. 271—2.3)



1. In phonographic apparatus, the combination of a rotary film support at the sound translating station and means concentric with said film support and rotatable independently of said support for a feeding a film thereover, said feeding means and said support being arranged to coact with the film along adjacent portions thereof transversely of the film.

17. The invention set forth in claim 15 characterized in that the drum is narrower than the film strip and characterized further in that the sprocket has only one row of teeth, said sprocket being in engagement with one end of the drum whereby, when the film is threaded on the sprocket teeth, its opposite edge extends beyond the unengaged end of said drum.

2,098,701
UKELELE
Anthony G. Cox, Honolulu, Territory of Hawaii
Application February 13, 1937, Serial No. 125,580
2 Claims. (Cl. 84—291)

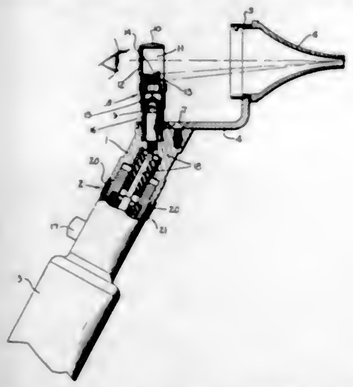


2. In a ukelele, a main open top body comprising a plurality of half cocoanut shells, a portion of each of which is cut away, the shells abutting and secured together along the lines of cut and forming a sound chamber, a top plate and means mounting the top plate on the shells and over the sound chamber.

2,098,702
DIAGNOSTIC INSTRUMENT
Louis L. Gagnon, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 14, 1934, Serial No. 744,029
2 Claims. (Cl. 128—9)

1. In a device of the character described, a base having a handle connection adjacent one end thereof and a bracket adjacent its other end extending outwardly at an angle relative to the longitudinal axis of the base, said bracket having a speculum supporting portion adjacent one end thereof adapted to detachably receive a speculum and having a relatively slender upright casing ad-

jacent its opposite end and in spaced relation with the speculum support, said casing having a light chamber internally thereof and having a light passageway leading from said light chamber, a source of light in said chamber in alignment with the light passageway, a light deflecting member supported in alignment with the light passageway and with the light source adapted to receive the light rays coming through said passageway and deflect said light rays in the direction of the longitudinal axis of a speculum carried by the speculum support, a detachable cap member fitted over the light deflecting means



and having a sight opening extending transversely of the longitudinal axis of the casing with the axis of said sight opening substantially coaxial with the longitudinal axis of a speculum carried by the speculum support, said light deflecting means being positioned between the source of light and the sight opening and the said cap like member having an outside dimension substantially equal to the diameter of the casing, the size of said cap-like member and the spaced relation of the casing and speculum support permitting free and easy introduction and manipulation of operating instruments into the speculum of the instrument.

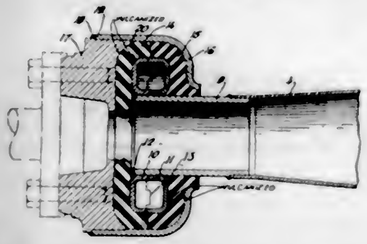
2,098,703

UNIVERSAL JOINT

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 28, 1937, Serial No. 145,387

4 Claims. (Cl. 64—11)



4. In a resilient joint, two subassemblies each including a pair of spaced members, and a spacer of elastic deformable material joining said members, and means joining corresponding members of both pairs of members for action in unison.

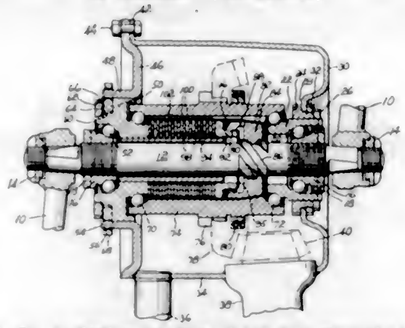
2,098,704

COASTER BRAKE AND MOUNTING

Edward W. Glacy, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 20, 1936, Serial No. 106,619

13 Claims. (Cl. 192—6)



1. In a device of the character described, a hub, an axle extending through the hub, a brake anchor block on the axle, a coaster brake reacting between the anchor block and the hub, a frame member supported on the anchor block, and an anchor arm secured to the frame member and keyed to the anchor block outside of the frame member; substantially as described.

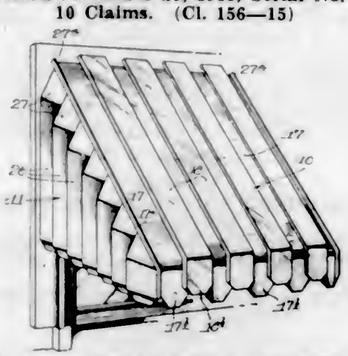
2,098,705

AWNING

George A. Houseman, Shreveport, La.

Application November 25, 1935, Serial No. 51,433

10 Claims. (Cl. 156—15)



1. A sheet metal awning comprising side frames, roof cross bars connecting said frames, a plurality of narrow, laterally spaced roof plates extending transversely of said cross bars and being supported thereby in two sets in vertically spaced relation, the one set being adapted to rock relatively to the other set, the plates of the two sets being disposed so the plates of the one set cover the lateral spaces between the plates in the other set, and means for attaching the plates of the covering set to said roof bars, permitting said rocking movement.

2,098,706

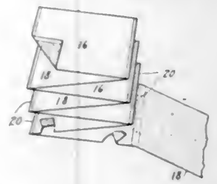
MANIFOLDING FORM

Albert R. Lawson, Hamilton, Ontario, and Louis Huffman, Toronto, Ontario, Canada, assignors to Appleford Paper Products Limited, Hamilton, Ontario, Canada

Application December 23, 1933, Serial No. 703,784

20 Claims. (Cl. 282—12)

1. In a manifolding form having a plurality of manifolding units, a continuous runner folded zigzag into a succession of folds and record leaves interleaved with the leaves of each fold to form each unit, and a carrier for the plurality of manifolding units comprising a back having flaps



folded inwardly from opposite sides over the leaves of one of the lowermost manifolding units and other flaps folded inwardly from other opposite sides above and below the uppermost manifolding unit.

2,098,707

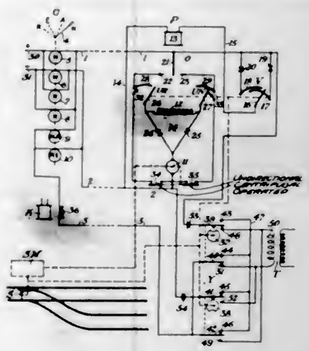
ELECTRIC CONTROL AND INDICATION OF POINT OPERATING MECHANISMS FOR RAILWAYS AND THE LIKE

Roderick Marcus MacGregor and Douglas Goldie Shipp, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 9, 1935, Serial No. 15,378

In Great Britain April 27, 1934

6 Claims. (Cl. 246—3)



1. In combination with a track switch, a normally deenergized polarized control relay at the track switch location and having a normally open contact which assumes a normal or a reverse position according as said control relay is energized in the normal or the reverse direction respectively, means effective when said contact occupies its normal or reverse position for selectively operating said track switch to its normal or reverse position respectively, means including a lever having a normal and a reverse position for selectively energizing said control relay in the normal or the reverse direction in accordance with the position occupied by said lever, and means automatically effective whenever said track switch and said lever are out of correspondence for energizing said control relay to thereby operate said track switch to a position in agreement with the position of said lever.

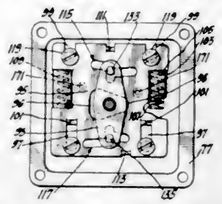
2,098,708

GEAR SHIFT MECHANISM

Dewey L. Maker and Harry E. Fidler, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 27, 1936, Serial No. 60,919

5 Claims. (Cl. 74—473)



1. In a change speed transmission having gearing elements, a shift lever, a floating lever engaged thereby, shift forks having parts to operably engage the ends of the floating lever, said shift lever and floating lever having a neutral position wherein said forks hold said gearing elements in non-driving positions, mechanism having parts cooperating with said floating lever to impart a transverse movement thereto and also a rocking movement about one end thereof, in response to a movement of the floating lever by a fore and aft movement of the shift lever between its neutral and active positions.

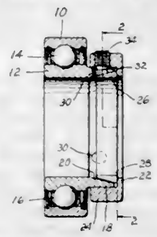
2,098,709

ANTIFRICTION BEARING

William T. Murden and Rodger D. Brouwer, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 6, 1936, Serial No. 83,965

9 Claims. (Cl. 308—236)



1. In a device of the character described, a race ring having a raceway formed integrally therewith and a recess beyond the plane of the raceway, a wall of said recess tapering towards the adjacent end of the race ring, a wedging member having a tapering surface conforming to the wall of the recess, a reinforcing sleeve slidably fitting the race ring on a smooth surface opposite to the recess, and means for sliding the sleeve on said smooth surface of the race ring to shift the wedging member axially of the race ring; substantially as described.

2,098,710

PROCESS OF MAKING COLLOIDAL LEAD

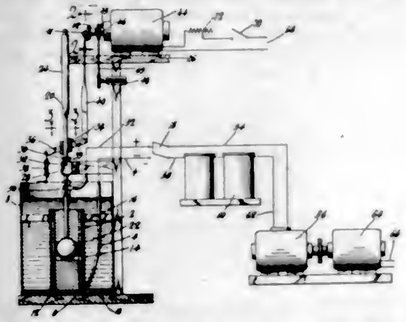
Dale M. Phillippi and James E. Wilson, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 16, 1935, Serial No. 36,509

6 Claims. (Cl. 204—1)

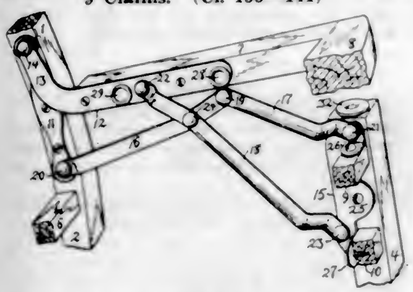
1. In a process for making a colloidal suspension of metal, casting the metal in a member to

only partially fill the same, immersing the whole in water, drawing an arc from one surface of



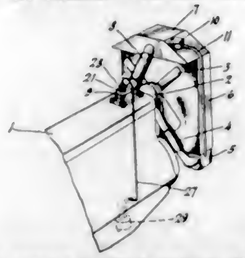
the metal intermittently and using reactance to smooth out the arc.

2,098,711
FOLDING CHAIR
William C. Rastetter, Fort Wayne, Ind.
Application May 25, 1937, Serial No. 144,670
9 Claims. (Cl. 155—141)



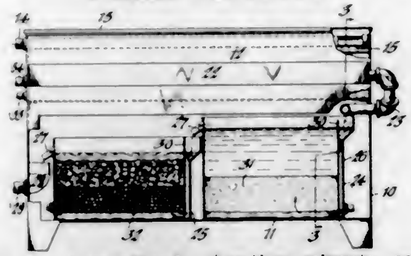
1. In a folding chair, a rigid rear frame structure constituting the back and rear legs of said chair, a seat, a foreleg structure, and mechanism operatively connecting said seat and foreleg structure with said rear frame, said mechanism consisting of right and left hand assembled groups of members, in each of which groups are included an anchor-plate secured to the rear frame, a hinge-plate secured to said seat and pivoted on said anchor-plate at the upper end thereof, a second anchor-plate secured to the front leg structure, toggle arms connected together by a pivot having a rounded projecting end, one of said toggle arms having pivotal connection with the lower end of the first-mentioned anchor-plate and the outer end of the other toggle arm having pivotal connection with said second anchor-plate at the upper end thereof, a lever pivotally connected to one of said toggle arms and at one end thereof with the corresponding hinge-plate and also connected pivotally at its opposite end with said second anchor-plate at the lower end thereof, each of said hinge plates having sockets formed thereon so located that the projecting ends of the corresponding toggle pivots have latching engagement in one or the other of said sockets accordingly when the seat and the foreleg structure are moved into extended or folded position, and cushions on the foreleg structure upon which the forward end of the seat bears when the chair is completely extended.

2,098,712
BY-PASS ARRANGEMENT
Harold A. Reynolds, Lockport, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 10, 1936, Serial No. 58,470
12 Claims. (Cl. 123—178)



1. In an engine cooling system wherein an engine jacket has outlet and return connections with a radiator, a pair of independently acting valves controlling liquid flow through the outlet, heat responsive means affected by liquid temperature at the outlet to operate one of said valves, and means acting concurrently with the start of engine operation to close the other valve and hold it closed until engine operation stops.

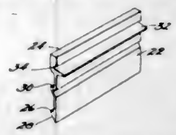
2,098,713
APPARATUS FOR TREATING CLEANING SOLVENTS
Louis E. Wesselmann, Buffalo, N. Y.
Application May 10, 1935, Serial No. 20,809
3 Claims. (Cl. 196—15)



1. An apparatus for treating solvents, comprising a substantially rectangular tank having an acid pool therein adjacent its lower end and spaced from the bottom thereof, a substantially upright partition spaced from and coextensive with one of the side walls of the tank to provide a comparatively narrow inlet channel for the controlled flow of the solvent to be treated, the lower end of said partition terminating short of the tank bottom to provide a lateral opening for the controlled flow of the solvent into the tank beneath its acid pool and the upper end of said partition terminating in a laterally-offset, cascading-like wall, means for feeding the solvent onto said offset partition-wall, one of the other walls of the tank having an overflow discharge above the acid level thereof, and a receiver in communication with said discharge and into which the acid-treated solvent flows.

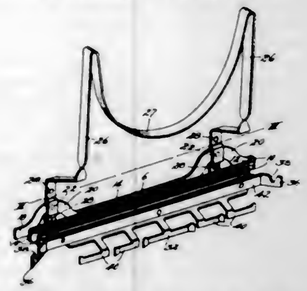
2,098,714
DIVIDING BAR
Samuel C. Awbrey, Kansas City, Mo.
Application January 7, 1935, Serial No. 603
6 Claims. (Cl. 94—17)

1. A dividing bar of the character described comprising a comparatively thin body of uniform width having a thicker portion along one longitudinal edge thereof serving as the top of the bar when in place; and an anchoring ledge formed along the side of said body with its outer



edge in substantially the same plane as the overlying outer edge of said thickened portion, said plane being parallel with the major plane of the body of the dividing bar.

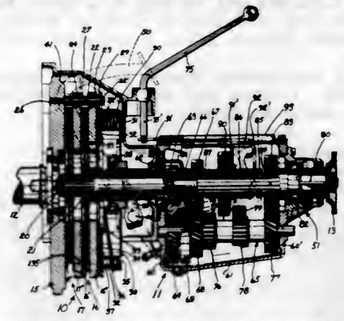
2,098,715
TOGGERY RACK
Samuel C. Awbrey, Kansas City, Mo.
Application September 23, 1935, Serial No. 41,683
3 Claims. (Cl. 211—120)



1. A toggery rack comprising a strip of resilient material rebent upon itself a recurring number of times to present open-end slots, the bights and ends of said strip being in longitudinal offset relation; and a strip of material secured to one of the outermost lengths of said strip material in overlapped relation whereby a guide wall is presented at the entrance to each adjacent slot respectively.

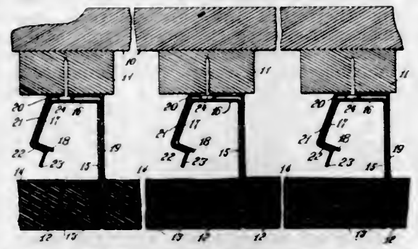
2,098,716
TRANSMISSION MECHANISM
Simeon Budlong, Chicago, Ill.
Application January 24, 1934, Serial No. 708,134
5 Claims. (Cl. 74—330)

1. A transmission of the character described comprising, in combination, driving and driven members, low and high speed clutches normally urged resiliently toward closed positions and adapted when moved from their open positions to be connected successively with said driving member, means for opening said clutches, torque responsive means operatively connected between said driving member and said low speed clutch and operable automatically during high torque conditions existing during closing movement of the low speed clutch to oppose and retard such closing movement of the low speed clutch, independently operable torque responsive control means connected between said driving member and said high speed clutch and operable automatically during high torque conditions to oppose and prevent closure of said high speed clutch during such high torque conditions, a pair of concentric shafts driven by said clutches, a counter-shaft, gearing from the shaft driven by said low speed clutch providing an over-running connection with said counter-shaft, gearing of a different ratio connecting the other shaft to said counter-shaft, means including manually shiftable gearing for selectively establishing a plu-



rality of different forward driving ratios between said counter-shaft and said driven member, and a manually operable shift lever for said shiftable gearing.

2,098,717
BUILDING CONSTRUCTION
Raymond M. Calkins, Deerfield, and James W. Swank, Chicago, Ill.
Application April 29, 1935, Serial No. 18,798
2 Claims. (Cl. 189—86)



2. In a building construction, the combination of a sheet metal panel having a straight flange portion extending backwardly from one edge of the body portion of the panel at right angles thereto and having a box structure formed on the inner face of the flange and comprising a second flange portion at right angles to said first named flange portion, and a third flange portion extending forwardly in divergent position with respect to said first named flange portion, and a second sheet metal panel having a fourth flange portion extending straight backwardly from its edge at right angles thereto and having a box structure formed on the outer face of the flange in position to be nailed to a supporting member, and comprising a fifth flange portion at right angles to said fourth flange portion, a sixth flange portion extending forwardly from said fifth flange portion in divergent position with respect to said fourth flange portion in such spaced relation thereto as to permit the first named box structure to enter the second box structure by a camming action from the front, and a seventh flange portion on the forward edge of said sixth flange portion extending forwardly in convergent position with respect to said fourth flange portion and adapted by snap engagement with said third flange portion to hold said two box structures releasably together for connecting said panels side by side and supporting them from said supporting member in forwardly spaced relation thereto.

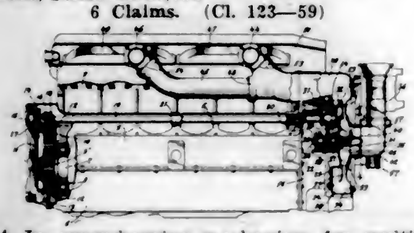
2,098,718

SUPERCHARGER MECHANISM FOR INTERNAL COMBUSTION ENGINES

Harold Caminez and Norman H. Gilman, Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Original application March 17, 1933, Serial No. 661,327. Divided and this application May 20, 1936, Serial No. 80,734

6 Claims. (Cl. 123—59)



4. In supercharging mechanism for multiple cylinder internal combustion engines, a housing separate from the crank case of the engine and secured to the rear end thereof; a compressor rear wall secured in a seat provided in said housing, and having two bearings spaced apart from one another for supporting the shaft of a centrifugal compressor; a compressor front wall secured in a seat provided in said housing and having an inlet, said walls being shaped to provide an impeller chamber and a narrow passage leading therefrom into an enlarged annular chamber surrounding the outlet from said narrow passage; a discharge member associated with said housing and through which mixture flows from said annular chamber; a rotary impeller within said impeller chamber and the shaft of which is supported in the bearings aforesaid; and means for driving said impeller shaft from the front end of the engine.

2,098,719

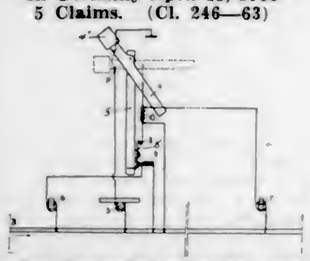
RAILWAY SIGNALING SYSTEM AND APPARATUS

Siro Citterio and Palmino Vacchina, Turin, Italy

Application April 11, 1934, Serial No. 720,110

In Germany April 15, 1933

5 Claims. (Cl. 246—63)



1. Signaling device for railways, comprising an operating electromagnet carried by the train, a generator for continuously energizing said electromagnet, a signaling electromagnet carried by the train at a fixed distance from the operating electromagnet, said signaling electromagnet being magnetically separate from the operating electromagnet, an armature of magnetic material arranged on the track to complete a magnetic circuit between said operating and signaling electromagnets, respectively, when said electromagnets pass over said armature and thus generate in the winding of the signaling electromagnet a current having a given characteristic to positively produce a given signal, a winding on said track armature and means responsive to the track conditions to short-circuit said winding, to generate in said winding a current producing a flux which modifies the characteristics of the current of the signaling electromagnet to give a second positive signal.

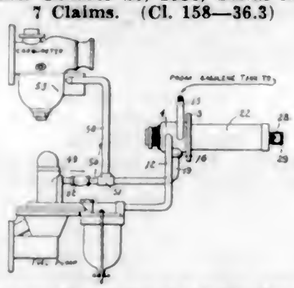
2,098,720

FUEL LINE CLEARING AND VAPOR LOCK REMOVING DEVICE

Frederick C. Dalton, Portland, Oreg.

Application October 20, 1936, Serial No. 106,703

7 Claims. (Cl. 158—36.3)



4. In apparatus of the character described, the combination with a mechanically actuated fuel pump, a carburetor, a pipe leading from said pump to said carburetor, a fuel supply line connected to said pump, of a device comprising a valve case having two separate ports connecting the fuel supply line and a third port, a pipe connecting said third port to said pipe between said fuel pump and said carburetor, a valve in said case, a cylinder secured to said valve to turn therewith, a piston and piston rod within said cylinder, means to reciprocate said piston and its rod and to turn said cylinder, said valve having a master bore communicating with said cylinder, and having a duct with ports serving normally to effect communication between the sections of the fuel supply line to leave an uninterrupted flow of fuel through said fuel supply line to said carburetor via said mechanically actuated fuel pump, said valve having another port to effect communication between said master bore and said third port and a further port with check valve to communicate with the casing port to which fuel is delivered by said fuel supply line, in virtue of all of which when said valve is in a position to cut off direct communication between the fuel supply and the carburetor, and when said another and further ports are in operating position, fuel may be manually pumped to the carburetor.

2,098,721

RESILIENT FASTENER

Daniel Douglas Demarest, Little Neck, N. Y.

Application November 30, 1936, Serial No. 113,482

10 Claims. (Cl. 85—1)



6. A fastener of the type described, comprising a relatively thin nut member, and a screw member from which material is removed on opposite sides, so shaped and arranged that, when engaged, there is one position where said nut member may pivot a limited amount on the remaining portions of the screw threads, to permit easier rotation in that position.

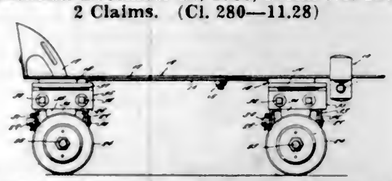
2,098,722

INTERCHANGEABLE DUPLEX ROLLER UNIT

Ludwig Depovsek, Maspeth, N. Y.

Application December 22, 1936, Serial No. 117,201

2 Claims. (Cl. 280—11.28)



2. In combination with a base part having slots therein, a channel-shaped member having projections at the upper edges of its flanges for fitting in the slots and adapted to be bent over to attach the channel member to the base part, a T-shaped member attached to the under face of the channel member, a wheel carrying body and clamping means connected with the body and engaging the T-shaped member.

2,098,723

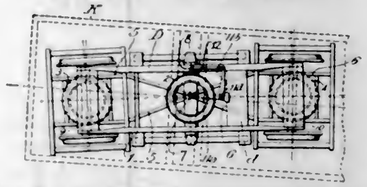
RAIL-GUIDED VEHICLE

Max Frei, Neuhausen, Switzerland, assignor to firm Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland

Application September 17, 1935, Serial No. 40,983

In Switzerland September 26, 1934

10 Claims. (Cl. 105—168)



1. A rail-guided vehicle, comprising in combination, a vehicle body structure, a bogie having a frame on which said body is pivotally supported, a pair of axles extending transversely of the longitudinal direction of the bogie frame, an axle frame for each of said axles mounted in said bogie frame and turnable about vertical axes, said bogie frame being supported by said axle frames at said vertical axes, articulated means for connecting said two axle frames to each other, said means being situated in the middle portion of the bogie frame, and means operatively connected to one of said axle frames for causing a displacement of said connecting means by relative longitudinal movement between the vehicle body and bogie on negotiating curves, whereby the axles are angularly adjusted, said connecting means allowing relative lateral movements between said body and bogie without affecting the angular positions of said axles.

2,098,724

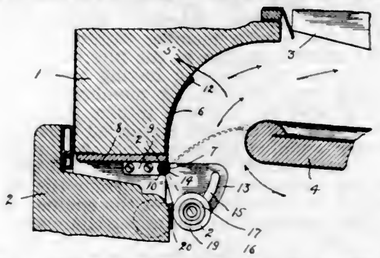
REFRIGERATOR

Martin Hokanson, Duluth, Minn., assignor to Eldco Inc., Duluth, Minn., a corporation of Minnesota

Application August 6, 1936, Serial No. 94,597

9 Claims. (Cl. 62—47)

1. In a refrigerator having a door, an ice rack, a drip pan, and an air circulating space intermediate of said ice rack and drip pan; a damper for regulating the flow of air through said space mounted adjacent said door, means fixed to said damper and depending in the path of said door,



whereby upon opening of the door the damper will close said space, and vice versa, said means being adjustable to vary the limit of movement of the damper.

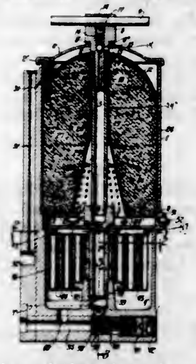
2,098,725

OIL FILTER

James E. Hurn, Saugerties, N. Y., assignor to The De Luxe Products Corporation, La Porte, Ind.

Application April 27, 1935, Serial No. 18,546

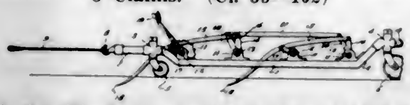
4 Claims. (Cl. 210—131)



1. In a device of the class described the combination with an internal combustion engine of an oil purifying device consisting of a housing having inlet and outlet means adapted to register with inlet and outlet channels communicating with the crankcase of such an engine; there being in said housing two chambers, one above the other, having a dividing wall between the said chambers; a tubular member vertically axial of the housing and the two chambers, there being a constricted aperture in the said tubular chamber approximately along the line of the dividing wall; in the lower chamber a series of concentrically arranged screens dependingly attached to a bracket providing free oil space between the bracket and the lower side of the dividing wall; open channels from the screen members into the said open space; apertures from the open space into the central tubular member below the dividing wall; the inlet to the housing from the engine being into the lower chamber there being an outlet direct into the said screen chamber, and a valve controlled connection with the tubular member; a sump in the screen chamber; an outlet from the tubular member to the crankcase of the engine; an outlet from the sump in the screen chamber; the upper chamber containing a sump, and assembled above

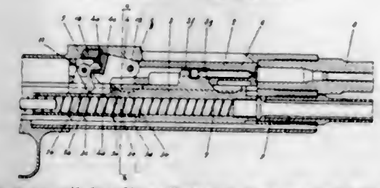
the said sump a filtering cartridge consisting of a base having a conical member extending upward from the said base and an amorphoused mass of filtering material confined within a foraminous sack, the said cartridge suspended around the tubular member; apertures in the wall of the tubular member within the confines of the conical portion of the filtering cartridge; a cover for the housing having locking means coacting with the tubular member to lock the housing and its contents into a unit; a valve with tensioning element assembled in the locking member adapted to determine the pressure in the portion of the tubular member in the upper filtering chamber; an outlet from the filtering chamber to the crankcase of the engine; an outlet from the sump in the upper chamber.

2,098,726
CULTIVATOR
Elton R. Kenyon, Geneseo, Kans.
Application May 13, 1937, Serial No. 142,486
5 Claims. (Cl. 55—102)



1. A cultivator comprising a pair of side bars, supporting wheels for said side bars, a pair of transverse shafts rockably mounted on the side bars, arms fixed to one of said shafts, teeth pivotally connected, at one end, to said arms and extending forwardly and downwardly therefrom, and arms fixed on the other shaft and pivotally connected to the teeth at an intermediate point.

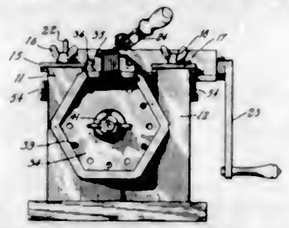
2,098,727
LOCK MECHANISM FOR AUTOMATIC GUNS
Aimo Johannes Lahti, Jyvaskyla, Finland
Application July 6, 1936, Serial No. 89,209
In Germany September 23, 1935
1 Claim. (Cl. 42—3)



In a recoil loading firearm the combination of a reciprocating breech block, a pivoted locking member on said block having an abutment seating in a recess of the breech to lock said breech block thereto, a double armed lever pivoted to said breech block having one arm cooperating with said locking member to release said member from said recess in said breech, an actuator cooperating with the other arm of said lever to actuate the same and said actuator having a cam surface cooperating with said locking member to replace said member in said recess after having been removed therefrom by said lever.

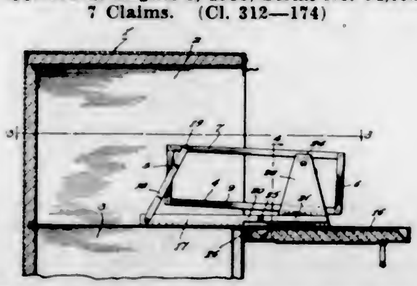
2,098,728
KEY CUTTING MACHINE
Seth A. McPhee, Denver, Colo.
Application January 27, 1936, Serial No. 61,005
5 Claims. (Cl. 90—13.5)

1. A key cutting device comprising a base plate; a standard extending upwardly from said base plate; a pair of key clamps fixedly supported by said standard above said base plate; a hinged frame hinged to said base plate; a slide bearing mounted in said bearing frame so that it may be moved therein parallel to said key clamps; a shaft journalled to said slide bearing; means for preventing endwise movement of said shaft in said slide bearing so that movements of the latter will be transmitted to the former; a cutter carried by said shaft; means for rotating said



shaft; a follower member projecting from said slide bearing, said follower being spaced from said cutter a distance corresponding to the distance between said key clamps; a handle pivoted to said hinged frame and connected to said slide bearing so that vertical movement thereof will swing said hinged frame toward or away from said key clamps and horizontal movement thereof will move said cutter and follower along said key clamps.

2,098,729
OVEN
Oren T. Myers, De Soto, and Anthony Emily, Richwoods, Mo.
Application August 3, 1936, Serial No. 94,092
7 Claims. (Cl. 312—174)



1. In a device of the character described, a structure defining a chamber open at its front, a door for closing the open front of the chamber hinged at its lower end, runners in said chamber shiftable longitudinally thereof, a frame, links pivoted to said runners and to said frame, and arms carried by said door and pivotally connected with the frame and said runners for shifting the runners longitudinally and moving said frame to an extended position out of the open front of the chamber when the door is swung downwardly to an open position.

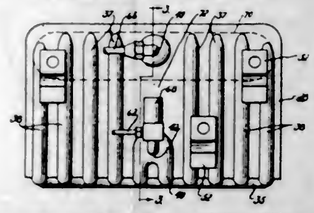
2,098,730
REGISTER SET-BACK CRANK
Walter H. Parker, Pittsburgh, Nelson J. Seibert, Wilkinsburg, and George J. Genung, Pittsburgh, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1934, Serial No. 709,640
1 Claim. (Cl. 74—548)

In a shaft operating mechanism, a manually operated crank arranged to operate said shaft only when selectively manipulated in a predetermined manner by an operator comprising a ratchet on the end of said shaft, a crank on the end of said shaft with a rotatable handle at the



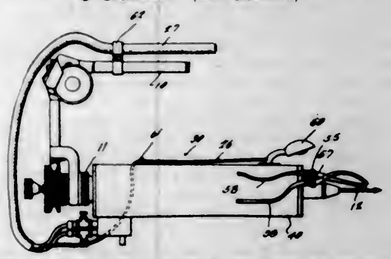
end thereof, a pawl fixed to said handle to rotate therewith and to engage said ratchet when said handle is rotated, and means normally urging said pawl out of engagement with said ratchet.

2,098,731
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application November 28, 1934, Serial No. 755,082
14 Claims. (Cl. 62—126)



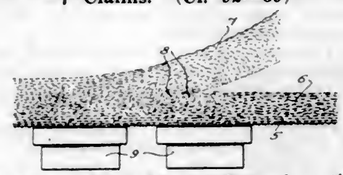
1. An evaporator for refrigerating systems comprising material formed to provide upper and lower headers and passages for the flow of refrigerant, so constructed and arranged as to direct the flow of refrigerant from a refrigerant inlet intermediate said headers first to said lower header at a plurality of locations in said lower header before entering said upper header and later returning said refrigerant from said upper header to said lower header for recirculation.

2,098,732
DENTAL APPARATUS
Thomas F. Prather, Wasco, Calif.
Application April 19, 1937, Serial No. 137,878
5 Claims. (Cl. 32—28)



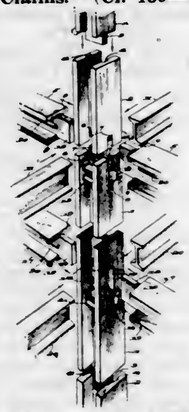
5. In combination, a dental drilling instrument, a water jacket disposed around the instrument, a heating unit disposed around the instrument, and a nozzle extending from the water jacket toward the chuck of the instrument, and a jacket-like structure for receiving the heating element and defining a handle for the instrument, said last-mentioned jacket having an air inlet and an air outlet, and a nozzle connected to the air outlet of the last mentioned jacket.

2,098,733
PLYBOARD
John W. Sale, Hopewell, Va., assignor to Hummel-Ross Fibre Corporation, Hopewell, Va., a corporation of Virginia
Application September 20, 1937, Serial No. 164,808
7 Claims. (Cl. 92—39)



1. A facing sheet of paper formed on the continuous wire of a Fourdrinier type machine comprising two co-extensive strata of cellulosic fibers having varying amounts of stock hydration, the two strata having the fibers of each unmixed at the surfaces of the sheet but intermingled and interlocked within the body of the sheet so that the sheet is devoid of lines of jointure and does not peel or separate under flexure, one of said strata constituting the wire side being formed of long fibered, slack-sized stock having a greater freeness and being relatively less hydrated with respect to the other strata and producing a porous absorbent outer surface on one face of the sheet constituting a pasting side of the facing, while the other of said strata is formed of relatively short, fine fibered and highly refined hard-sized, slow stock having a greater amount of hydration and providing a hard, smooth outer surface on the other face of the facing sheet constituting a liner side, the sheet having the characteristics resulting from the simultaneous dewatering of both strata on a single continuous Fourdrinier wire.

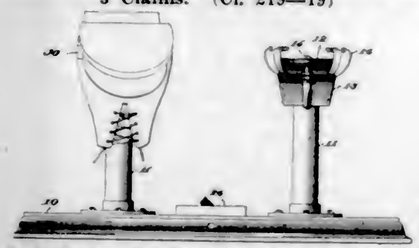
2,098,734
METALLIC FRAME FOR BUILDING CONSTRUCTION
Wesley Wait, Newburgh, N. Y.
Application April 28, 1936, Serial No. 76,848
5 Claims. (Cl. 189—36)



3. In a metallic frame for buildings, the combination of a column including upper and lower sections of the H-shape type with the flanged sides of the two sections in abutting relation, each of said sections having the end part of its web cut away to form a recess between the end parts of the flanged sides, said flanged sides having slots in their end parts coinciding

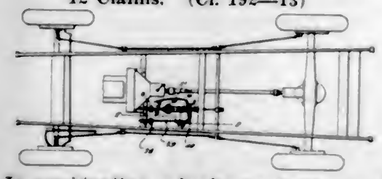
with said recess, the abutting relation of the two column sections being such that their respective recesses register with each other to provide a common recess in the web of the column and so that their respective slots register with each other to provide a common slot in the respective sides of the column, opposite girders having at their inner ends tongues respectively seated in the opposite common slots and abutting at their ends in the common recess in the web of the column, said tongues being shaped to pass through the respective common slots in the flanged sides of the column to seat within the common recess in the web of the column, and means for securing the tongues in the common recess in their abutting relation.

2,098,735
SHOE HEATING
Louis Yentis, New York, N. Y., assignor to Norman K. Winston, New York, N. Y.
Application July 30, 1934, Serial No. 737,647
3 Claims. (Cl. 219—19)



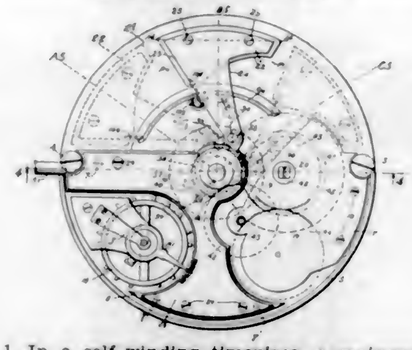
1. A device for heating shoes comprising a standard, a heating element carried at the top of the standard and somewhat the shape of a shoe sole, and a plurality of curved spring members for supporting a shoe inverted over the heating element with the shoe sole substantially parallel with the heating element but out of contact therewith, the sole of the shoe being somewhat larger than the heating element.

2,098,736
AUTOMATIC BRAKE CONTROL
Joseph F. Bannon and Clarence W. Bigler, Crafton, Pa.
Application October 16, 1934, Serial No. 748,524
12 Claims. (Cl. 192—13)



1. In combination, a brake mechanism including a control member having a brake connection, a clutch pedal, a fluid reservoir, a cylinder including a piston therein connected to said control member, said cylinder communicating with said reservoir, and valve means for shutting off communication between said reservoir and the cylinder when the clutch pedal is operated to clutch disengaged position, said cylinder and reservoir being of unitary construction, said valve means consisting of the provision of a bore in one end of the cylinder, a tubular valvular slide provided with a valve head at one end engageable against the cylinder at one end of the said bore, said valvular member being open across its entire length and provided with ribs extending longitudinally on its outer side terminating inwardly of the said head, to define fluid passageways between the said valvular member and the wall of the bore, said valve head being provided with a seat therein, a spring-projected-to-closed-position valve in the said valve head, said spring-projected valve being provided with a stem extending through the valvular member, and a cam engaged with the free end of the stem and being operatively connected with the said clutch pedal.

2,098,737
SELF-WINDING TIMEPIECE
Louis Bornfriend, Brooklyn, N. Y.
Application July 8, 1931, Serial No. 549,438
6 Claims. (Cl. 58—82)



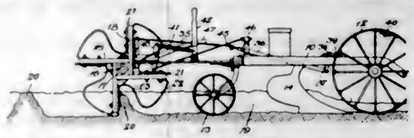
1. In a self-winding timepiece, a mainspring connected with a winding-train comprising a threaded staff, a gear secured thereto, a second gear rotatively mounted on said staff, a nut mounted on said threaded staff to provide a frictional connection between the two gears, and a self-winding means operating said winding-train.

3. In a self-winding timepiece, a winding-train, comprising a threaded barrel-arbor, a gear rotatively mounted on said arbor, a stopping click engaging said gear, a spring plate secured to the gear, a nut non-rotatively mounted on said threaded barrel-arbor and coacting with said spring-plate to disengage the stopping click at a predetermined time and a self-winding means to operate the winding-train.

6. In a self-winding timepiece, a barrel, a barrel-arbor, a mainspring connecting said barrel and barrel-arbor, a baseplate supporting said barrel-arbor, a winding train operating said barrel arbor, an oscillating pendulum, having a projecting weight, operatively connected with said winding-train, a hand-setting mechanism, including a stem, mounted on said baseplate, said stem being mounted on the horizontal line of the baseplate, said stem and barrel-arbor being mounted in opposite vertical halves of the baseplate, a recess in said baseplate to provide swinging space for the weight of the pendulum, and a gearing-train, comprising a third wheel and fourth wheel, mounted on the baseplate, said fourth wheel being mounted on the central vertical line of the baseplate, the third wheel and the barrel-arbor being mounted in two opposite vertical halves of the baseplate.

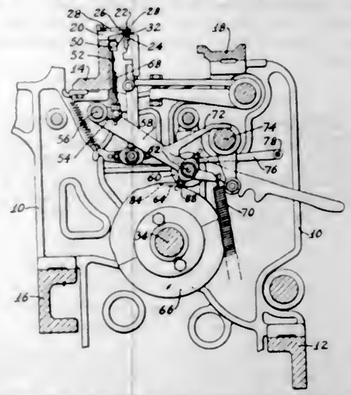
2,098,738
ATTACHMENT FOR LISTER PLANTERS
George Campbell, Aurora, Nebr.
Application May 19, 1937, Serial No. 143,429
6 Claims. (Cl. 97—55)

1. A device of the character described, including a shaft, a circular series of arms fixed to the shaft and located at an angle to each other, scraper blades fixed to the arms, and carry-over irons fixedly located between the blades, said



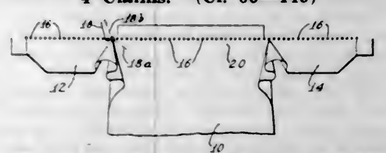
irons having concave portions to straddle the dams built up by the blades and having convex portions to engage the ground.

2,098,739
MANUFACTURE OF FULL-FASHIONED HOSIERY ON FLAT KNITTING MACHINES
John S. Chipman, Easton, Pa., assignor to Chipman Knitting Mills, a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,490
4 Claims. (Cl. 66—109)



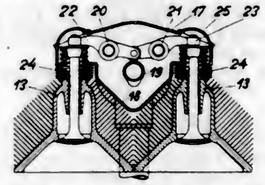
1. In a flat knitting machine having needles movable as a unit with relation to a press edge, independently movable yarn measuring sinkers to which the yarn is fed and dividers, the combination of knockover elements cooperating therewith, and a knockover bit motion including a cam operable to raise the knockover bits from a low position to a point closely adjacent the under side of the sinkers subsequent to the advance of the sinkers to sink yarn and prior to the advance of the dividers to reform the yarn kinks against the shanks of all the needles.

2,098,740
KNITTING OF INSIDE-OUT HOSIERY
John S. Chipman, Easton, Pa., assignor to Chipman Knitting Mills, a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,491
4 Claims. (Cl. 66—148)



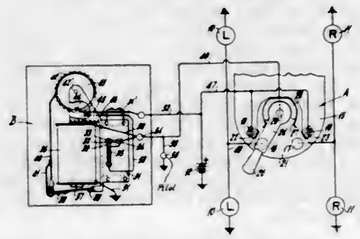
1. The method of manufacture of inside-out hosiery which comprises the steps of transferring to the points of a transfer bar the last course of instep fabric and adjacent inner selvage heel wale loops of the leg and heel portions of a hosiery blank having a yarn end appearing at the heel corner between the instep and heel fabrics, and laying the yarn rearwardly between the points to cause said yarn end to appear on the under side of the fabric during the subsequent knitting of the foot.

2,098,741
AIR-COOLED CYLINDER HEAD
Manfred Christian, Berlin-Reinickendorf, Germany
Application September 24, 1935, Serial No. 41,855
In Germany July 16, 1934
3 Claims. (Cl. 123—171)



1. In an air-cooled engine, a series of adjacent cylinders, each cylinder having a cylinder head of roof-like shape whose walls converge upwardly toward a ridge transverse to the cylinder series, valve chambers arranged along said ridge, and cooling ribs projecting perpendicularly from said converging walls and arranged in superposed parallel planes having their longitudinal axes parallel to said ridge.

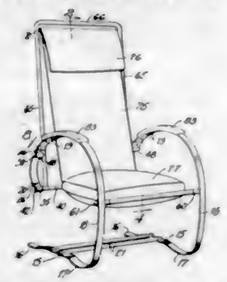
2,098,742
SIGNAL DEVICE
William R. Curtiss, Meriden, Conn., assignor to Connecticut Telephone and Electric Corporation, Meriden, Conn., a corporation of Delaware
Application May 12, 1933, Serial No. 670,696
3 Claims. (Cl. 177—337)



1. In a directional signalling apparatus for automotive vehicles, a left-turn signal, a right-turn signal, a source of electric energy, a separate circuit for electrically connecting each of said signals and said source, switch means having a common movable element for temporarily closing the circuit to either of said signals to selectively energize the latter, other circuits including said element for selectively connecting said source and said signals, common means in said other circuits for fluctuating the current flow therein to cause said signals to flash intermittently, common switch means in said other circuits, means for closing and maintaining said last-named switch means closed during a predetermined number of flashes of said signal comprising an electro-magnet and a ratchet mechanism operable by said electro-magnet, means

controlled by said ratchet mechanism on its initial movement for closing said last named switch means and maintaining said last named switch means closed during a cycle of operation of said ratchet mechanism, a circuit including said source and said electro-magnet and temporarily closed through said switch element when either of said first-named circuits to said signals are temporarily closed, and a circuit connecting said electro-magnet and said source including said current fluctuating means whereby said electro-magnet is rendered effective to intermittently actuate said ratchet mechanism.

2,098,743
CHAIR
Philip E. G. Ericson, St. Charles, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application November 26, 1935, Serial No. 51,646
6 Claims. (Cl. 155—50)

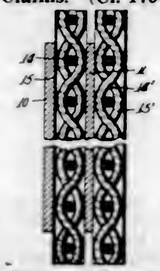


1. In a chair, the combination of a base frame comprising a floor contacting member and a resilient supporting member consisting of spaced side portions extending upwardly from the forward edge of the floor contacting member and then rearwardly to overlie the floor contacting member with their rear ends standing in freely suspended relation thereto over the rear end of the floor contacting member, a back frame located between the spaced side portions of the supporting member and having on each side two vertically separated points of direct connection with the freely suspended ends of the side portions of the supporting member, the rear end of each of said side portions terminating at the lowermost connection with said back frame and providing between said vertically separated points of direct connection a resilient support for the back frame, and a seat and back carried by the back frame and the side portions of the supporting member.

2,098,744
INHIBITIVE COMPOUND
Augustus H. Fiske, Warren, R. I., assignor to Rumford Chemical Works, Rumford, R. I., a corporation of Rhode Island
No Drawing. Application April 9, 1937, Serial No. 135,932
10 Claims. (Cl. 148—8)

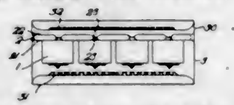
1. A cleaner-assistant for compensating premature lag in partially spent alkaline baths for articles of precious or like metals preparatory to being electroplated, consisting of a dry, intimate soluble mixture of an alkali metal cyanide salt, a non-electrolytic colophony inhibitive of corrosive action on the cleaned metal surfaces, and a powdered borate preventative of colophony attachment thereto.

2,098,745
ELECTROLYTIC CONDENSER
Alexander Georgiev, Brooklyn, N. Y., assignor to Aerovox Corporation, a corporation of New York
Application September 2, 1932, Serial No. 631,479
12 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising electrodes and a composite fibrous interlay interposed therebetween, said interlay including two superposed elements, one of relatively open mesh and high electrolyte-absorptive capacity and the other of close texture and lower electrolyte-absorptive capacity.

2,098,746
ARRANGEMENT IN CONDENSERS
Bror Hansson, Stockholm, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a Swedish corporation
Application March 20, 1936, Serial No. 69,779
In Sweden September 2, 1935
5 Claims. (Cl. 175—41)



1. In a condenser of the character described, a tank, a medium under pressure in the tank, a cooling wall subjected to the pressure of said medium, condenser elements enclosed in the tank and having their foils pressed against the said wall, a second wall serving as a support for the cooling wall, and means for applying to the second wall fluid pressure equal to the pressure of the said medium in the tank to maintain the said cooling wall in plane form.

2,098,747
SOCKET
Warren K. Henning, Plano, Ill.
Application November 16, 1936, Serial No. 111,072
6 Claims. (Cl. 173—328)



1. A tube socket comprising an insulating base having a contact-receiving opening therethrough and a contact and wiring terminal member formed of a single piece of sheet material shaped to provide a substantially cylindrical portion open along one side only for embracing and engaging a tube pin terminal and a flat wiring terminal portion extending from said cylindrical portion, said flat portion lying substantially in an axial plane through the cylindrical portion, said contact-receiving opening comprising a substantially cylindrical portion for receiving the cylindrical portion of said member, and a slot portion for receiving the flat portion of said member, said opening having a shoulder adjacent the junction of the slot portion with the cylindrical portion engaged by the contact portion of said member for limiting the distance of insertion of said member.

2,098,748
ARTICLE OF MANUFACTURE
Alfred Joseph Jennings, Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 26, 1936, Serial No. 87,587
9 Claims. (Cl. 41—39)

1. A coated vulcanized rubber sand-blasting stencil sheet comprising rubber and wood flour associated in the arrangement obtainable by sheeting a composition consisting of:

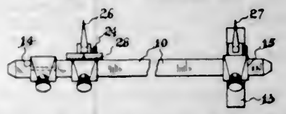
	Parts
Crepe rubber	25
Wood flour	20
Montan wax	8
Clay	25
Whiting	15
Mercapto-benzo-thiazole-zinc salt	1
Zinc oxide	4
Stearic acid	.5
Sulfur	1
Phenyl-beta-naphthylamine	.1

and vulcanizing the sheeted material, the coating containing rubber in the arrangement obtainable by coating the vulcanized sheet with a composition consisting of:

	Parts
Soft crepe rubber	100
Brown factice	20
Rosin	10
Burgundy pitch	5
Pine tar	5
Mineral oil	5
Zinc oxide	10

9. A vulcanized rubber sand-blasting stencil sheet containing 20% to 40% rubber and 10% to 40% fibrous filler.

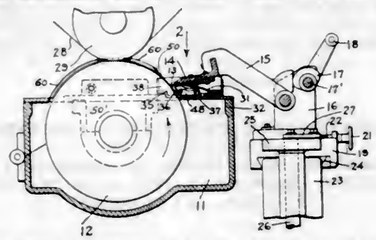
2,098,749
GAUGE FOR MEASURING THE ALIGNMENT OF VEHICLE WHEELS
William James Johnston, London, Ontario, Canada, assignor to Albert Speare Lashbrook, London, Ontario, Canada
Application October 29, 1936, Serial No. 108,129
13 Claims. (Cl. 33—203)



1. A gauge for measuring the alignment of the wheels of a vehicle, comprising spaced apart markers each adapted to inscribe a line on the periphery of one of the wheels; a scale mounted on the reverse side of one of the markers; and means for reversing the position of the marker to present the scale to the inscribed line.

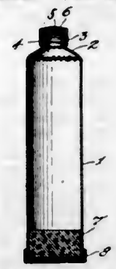
2,098,750
INKING MECHANISM FOR ROTARY INTAGLIO PRINTING MACHINES
Richard A. Krahmer, Yonkers, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application April 4, 1936, Serial No. 72,733
13 Claims. (Cl. 101—169)

1. In a rotary intaglio printing machine, a flexible doctor blade adapted to reciprocate longitudinally along and in contact with the peripheral surface of a printing cylinder, a blade wiper mounted for free movements toward the



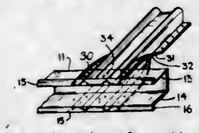
blade and transversely to the direction of movement of the blade to engage the surface of said blade, and means to resiliently press said wiper against said blade.

2,098,751
CONTAINER
Herman B. Lermer, Newark, N. J., assignor, by mesne assignments, to Joseph Lermer, Herman B. Lermer, and Irving S. Lermer, copartners doing business as Hygienic Tube & Container Company
Application October 13, 1936, Serial No. 105,356
2 Claims. (Cl. 221—60)



1. A container for dispensing powders, creams and the like, comprising a tube made from a transparent, flexible, non-breakable collapsible material, said tube being open at one end and having the other end thereof reduced to provide an externally threaded tip having an orifice therein, and a plug closing the bottom of the tube, said plug having attached thereto a base enabling the tube to be supported in an upright position, said base having a diameter greater than the diameter of the plug and provided with upstanding flanges adapted to engage the lower edge of the tube.

2,098,752
STRUCTURAL SECTION FOR AIRCRAFT
Roy G. Miller, Langhorne, Pa., assignor to Fleetwings, Inc., Bristol, Pa., a corporation of Delaware
Application February 6, 1935, Serial No. 5,191
23 Claims. (Cl. 189—36)



1. A strut of a structural section comprising a closed non-cylindrical tubular element having a substantially semi-cylindrical reinforcing bead

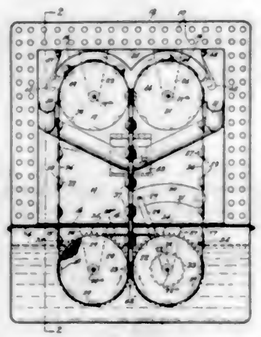
extending the full length of the strut, the end of the strut comprising two spaced walls having flat areas arranged to receive a cap strip between them said flat areas extending substantially diametrically of said bead, one of said walls having the bead extending to its end adjacent a flat area.

2,098,753

APPARATUS FOR PRODUCING INDIVIDUAL MASSES OF ICE

Balthazar H. T. Mulch, Westwood, N. J.

Application December 19, 1935, Serial No. 55,146
16 Claims. (Cl. 62—108.5)



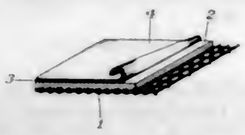
1. The combination with a refrigerator, of mechanism for carrying individual masses of water, into the freezing zone of the refrigerator, comprising two endless conveyors adapted to travel in opposite directions with two of their runs in proximity, driving mechanism for said conveyors, cups of resilient material arranged in horizontal alignment on the two conveyors, a water tank within which the lower portions of said conveyors travel and within which the cups become filled, and means for effecting water-tight engagement between the aligned cups.

2,098,754

AUTO TOP MATERIAL

Max N. Nickowitz, Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 5, 1934, Serial No. 709,852
8 Claims. (Cl. 154—40)



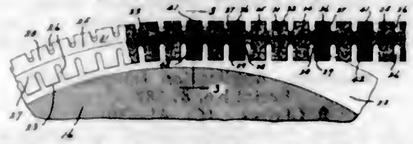
6. The process of preparing auto top material which comprises combining two fabric sheets with rubber cement, coating the combined fabrics with a rubber composition including oil and softener, calendering, applying a varnish coat of an oil modified polyhydric alcohol-polybasic acid resin composition, spraying melted aluminum on said varnish coat until a pliable continuous impervious coat of aluminum has been deposited, heating the coated material at 250° F. for 2½ hours and applying a protective surface coat of varnish.

2,098,755

TRANSMISSION BELT AND JOINT THEREFOR

Charles L. Paulus, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application June 25, 1936, Serial No. 87,264
8 Claims. (Cl. 24—31)



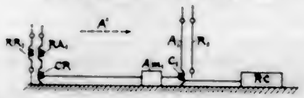
2. In combination, a belt having its ends connected together to form a substantially endless band, a metal wire member extending longitudinally within the belt inwardly of the ends thereof, means for securing portions of the belt adjacent the ends thereof to said wire member for connecting the ends of the belt together, means passing through and attached to the belt for rigidly clamping other portions of said wire member to the belt beyond said secured portions of the belt to the wire member, and said last named means being located near the ends of said belt and spaced from the point of security of the belt to the wire member adjacent the belt ends.

2,098,756

DIRECTIVE WIRELESS SYSTEM

Jozef Piebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application November 2, 1934, Serial No. 751,228
In Poland November 4, 1933
13 Claims. (Cl. 250—11)



7. A directional receiving antenna system comprising a plurality of spaced antenna elements, means for combining the energy picked up by said elements in the required phase relationship for directive reception, means for amplifying the combined energy and means for radiating a portion of the amplified energy from a point lying substantially in a line joining the receiver and the transmitter whose signals are to be received whereby signals incident upon the system from said transmitter are differentially accentuated by regenerative action by said radiation.

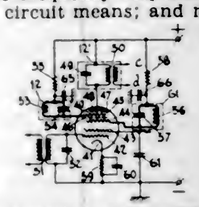
2,098,757

ELECTRIC CIRCUITS

Jozef Piebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application January 4, 1935, Serial No. 451. Renewed April 23, 1937. In Poland August 18, 1934
19 Claims. (Cl. 178—44)

17. In an electric filter, main circuit means having a predetermined frequency response characteristic; a plurality of auxiliary circuits having response characteristics differing from said main circuit means; means for producing a space discharge current; said main circuit means and said auxiliary circuits being connected through portions of said space current forming a coupling path therebetween, whereby said auxiliary circuits act as absorption circuits modifying the frequency response characteristic of said main circuit means; and means for substantially suppressing any coupling effect between said auxiliary circuit and said main circuit except as afforded through the medium of said space current.

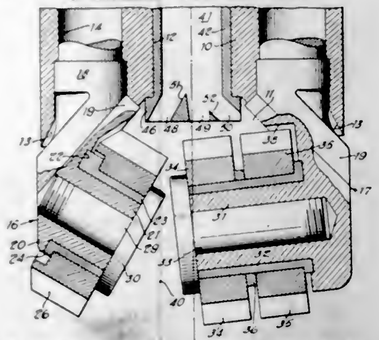


2,098,758

ROLLER BIT

Clarence E. Reed, Wichita, Kans., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Original application December 6, 1933, Serial No. 701,115. Divided and this application May 5, 1936, Serial No. 77,902
3 Claims. (Cl. 255—71)



1. A roller boring drill comprising a bit head having at its lower end a downwardly diverging recess, a toothed roller cutter supported by the bit head in said recess, means for removing detritus from said cutter, said means comprising a plurality of flushing fluid outlets in the bit head, one of which is positioned at right angles to the cutter axis to discharge fluid in a radial direction against the cutter and another of which is positioned to discharge fluid tangentially of the cutter.

2,098,759

PRODUCTION OF THIO-ETHERS

Walter Reppe and Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 1, 1935, Serial No. 34,297. In Germany August 4, 1934
5 Claims. (Cl. 260—150)

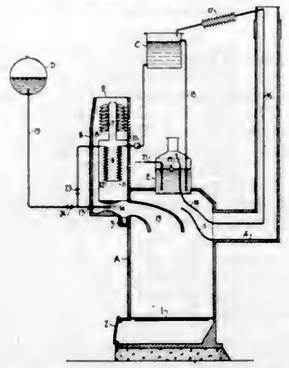
1. A process of producing thio-ethers which comprises reacting a compound of the general formula $CH_2{=}CHSO_x{-}R$ in which x stands for one of the numbers 1 and 2 and R stands for an organic radical selected from the group consisting of an aliphatic radical containing at least 6 carbon atoms and cyclic radicals with a compound containing at least one SH-group selected from the group consisting of hydrogen sulfide, alkyl, hydroxy alkyl, aralkyl and cyclic mono- and polyvalent mercaptans.

2,098,760

LIQUID FUEL BURNING INSTALLATION

Hendrik Arnold Romp, Voorburg, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a company of Delaware

Application February 8, 1935, Serial No. 5,535
In the Netherlands February 15, 1934
3 Claims. (Cl. 122—1)



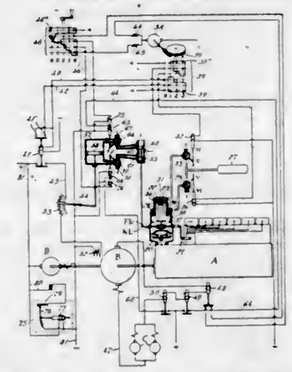
1. In a steam generating apparatus the combination comprising a heated liquid bath, a coil immersed in said bath, a water receptacle connected to said coil at one end of said coil said water receptacle being mounted at an elevation higher than said coil, a condenser discharging into said water receptacle, a water vaporizer connected to the inlet side of said condenser, an overflow pipe from said water receptacle to said water vaporizer and a conduit leading from the other end of said coil for a connection to an oil burner.

2,098,761

REGULATING DEVICE FOR A COMBUSTION POWER ENGINE COUPLED TO AN ELECTRIC GENERATOR FOR VEHICLES

Oskar Schläpfer, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application June 26, 1936, Serial No. 87,449
In Switzerland July 8, 1935
12 Claims. (Cl. 290—17)



1. In a vehicle drive control system, in combination with an internal combustion engine, an electric generator driven thereby and traction motors electrically connected to the generator, control means comprising a speed governor driven by said engine and controlling the fuel supply

thereto, a plurality of springs for variably controlling the response of said governor to the engine speed, means for selectively bringing said springs into operation during a change from one operating speed to another and generator voltage regulating means for maintaining the power output of said engine approximately constant at each selected speed.

2,098,762

METHOD OF HARD BURNING DIATOMACEOUS EARTH

Richard W. Schmidt, Redondo Beach, Calif., assignor to The Dicalite Company, Los Angeles, Calif., a corporation of Delaware

No Drawing. Application December 12, 1935, Serial No. 54,089
5 Claims. (Cl. 252—2)

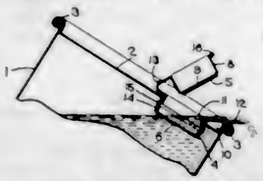
1. The method of producing a superwhite calcined diatomaceous earth which comprises: calcining said earth with from 1% to 7% by weight of a water-soluble salt of an alkali metal to a temperature not below 2000° Fahr., and preventing material fritting of said earth by the addition thereto of an oxide of a metal selected from the group consisting of calcium, magnesium, and barium in quantity substantially equal to that of said alkali-metal salt.

2,098,763

CAN OR CONTAINER

Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.

Application March 26, 1937, Serial No. 133,194
6 Claims. (Cl. 221—11)



1. A can having one end thereof deformed to present an annular wall extending at right angles to the can end, the portion of the can end within said wall being provided with an annular line of weakness, a sleeve member concentric with said wall and beaded thereto, and a closure member hingedly connected to the sleeve member and permanently connected to the portion of the can end surrounded by the line of weakness whereby said portion of the can end may be torn free thereby forming a pouring opening by application of force to the closure member.

2,098,764

PROCESS OF MANUFACTURING CREAM CHEESE

Caspar P. Sharpless, Swarthmore, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application November 25, 1935, Serial No. 51,499
10 Claims. (Cl. 99—116)

10. In a process of manufacturing a cream cheese, the steps comprising compounding a butter fat containing material consisting of a source of butter fat having a butter fat content of over 65% with materials consisting essentially of casein, starter and water, and thoroughly mixing said ingredients by discharging from a pressure of 100 to 1000 pounds per square inch to atmospheric pressure.

2,098,765

PROCESS OF MANUFACTURING CREAM CHEESE PRODUCTS

Caspar P. Sharpless, Swarthmore, Pa., assignor to Milk Processes, Inc., Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application January 17, 1936, Serial No. 59,602
3 Claims. (Cl. 99—116)

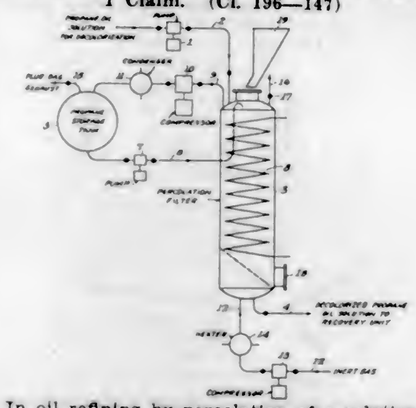
1. A process of manufacturing a cream cheese which comprises intimately mixing materials comprising neutralized sour cream with cottage cheese and edible acid in substantially the ratio desired in said finished cream cheese, and cooling the composition resulting from the mixing operation.

2,098,766

METHOD OF RECHARGING A PRESSURE FILTER

Claude F. Tears, Warren, Pa., assignor to The Petroleum Processes Corporation, Wichita, Kans., a corporation of Kansas

Application May 13, 1936, Serial No. 79,442
1 Claim. (Cl. 196—147)



In oil refining by percolation of a solution of oil in liquefied normally gaseous hydrocarbon solvent under pressure through a bed of adsorbent decolorizing medium, the method of recharging a pressure filter, which comprises washing the bed of adsorbent with liquefied normally gaseous hydrocarbon under pressure to free the adsorbent of oil, heating the bed to vaporize solvent retained in the adsorbent and withdrawing the vaporized solvent, reducing the pressure on the filter bed to complete vaporization of solvent, then forcing heated inert gas which will not form an explosive mixture with the vaporized solvent remaining in the filter through the bed to drive off solvent vapor retained in the adsorbent, opening the filter and replacing the exhausted adsorbent with fresh adsorbent and then closing the filter and flushing the contained air out of the same with a flow of inert gas before admitting any solvent for succeeding decolorizing operations.

2,098,767

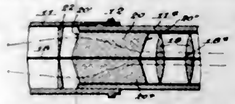
DOUBLE SIMULTANEOUS MOTION PICTURE APPARATUS

Richard Thomas, Los Angeles, Calif., assignor of one-half to William Jennings Bryan, Jr., Los Angeles, Calif.

Application March 18, 1935, Serial No. 11,701
5 Claims. (Cl. 88—16.6)

1. In a motion picture camera, the combination with separation corrective means, of a unit

equipped with means for bodily axial adjustment with respect to said means embodying a pair of chordally cut objective lenses with their optical axes close together, a septum between said lenses to maintain the light passing through one of said lenses separate from that passing through



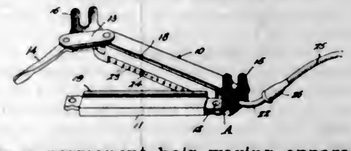
the other, and plano-parallel refractors mounted with their plane surfaces at an acute angle to the optical axes of the lens segments, said refractors positioned in the line of light passing through each of said lenses and adapted to deflect the light passing through each lens from that passing through the other.

2,098,768

AIR-COOLED PROTECTOR FOR PERMANENT HAIR WAVING APPARATUS

Generoso Turco, Brooklyn, N. Y.

Application April 23, 1937, Serial No. 138,544
2 Claims. (Cl. 132—36.1)



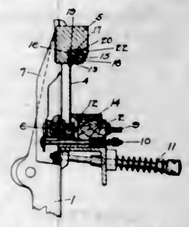
1. In a permanent hair waving apparatus, a protector including a pair of jaws for gripping a strand of hair therebetween, a pad member detachably associated with each jaw, one of said pad members having a recessed portion in the face which confronts the other pad member and being provided with a longitudinally extending duct having an inlet at one end for receiving cool air from a source of supply, and having a series of outlet ports leading downwardly at an angle therefrom and distributed along and opening through the recessed portion of said face to discharge cool air towards the scalp.

2,098,769

REED HOLDER FOR LOOMS

Samuel L. Webster, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application March 4, 1937, Serial No. 129,005
5 Claims. (Cl. 139—188)



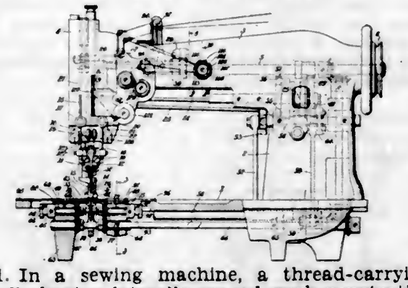
1. A loom lay including a hand rail having a longitudinal groove in its under side, a reed having a top rib positioned in said groove, a bar in said groove in front of said rib, and a plurality of springs carried by said hand rail and acting to urge said bar rearwardly to thereby hold said rib against the back wall of said groove.

2,098,770

SEWING MACHINE

Sydney Zonis, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application October 22, 1935, Serial No. 46,071
30 Claims. (Cl. 112—81)



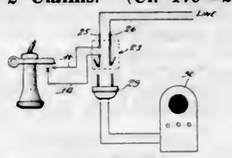
1. In a sewing machine, a thread-carrying needle having laterally spaced work-penetrating movements followed by lateral movements into a substantially constant loop-presenting position, means for actuating said needle, a rotary looper complemental to said needle in the formation of chain-stitches, said looper having a loop-seizing beak and a loop-detaining wing constructed and arranged to enchain loops of thread presented to said looper by said needle, and means for rotating said looper.

2,098,771

CIRCUIT CONTROL DEVICE

William Bogue, Chicago, Ill.

Application May 8, 1936, Serial No. 78,617
2 Claims. (Cl. 179—2)



1. In a circuit control unit an extension cord comprising a pair of conductors having a combined connector and receptacle at one end, said connector comprising a base having a plug-in contact and a receptacle contact electrically connected in series, a second plug-in contact and a second receptacle contact in said base and insulated from each other, a switch connected in series between said second contacts by means of said conductors, and means for mounting said switch on a telephone in cooperative relation with the usual receiver support, said switch being constructed and arranged to be opened and closed by the normal operation of said receiver support.

2,098,772

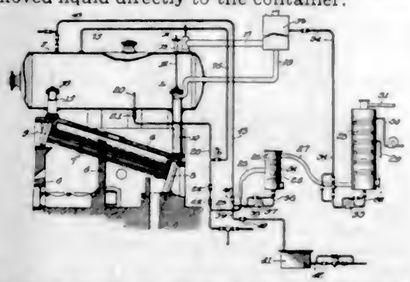
CONTINUOUS PRESSURE DISTILLATION PROCESS

Oswald C. Brewster, Max G. Paulus, and Andrew E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind., a corporation of Indiana

Application February 13, 1928, Serial No. 253,976
19 Claims. (Cl. 196—48)

1. In apparatus for distilling hydrocarbon oils under pressure for the production of lighter hydrocarbon oils of the character of gasoline, a container, a bank of inclined tubes below said container, means for heating said tubes, upper

and lower headers communicating with the upper and lower ends of said tubes, conduits extending from said upper and lower headers into the said container, said conduits extending above the lowermost portion of said container, means for cutting off communication between the interior of the container and the conduit extending to the lower header, means for withdrawing liquid from the interior of said container, means for vaporizing a portion of the liquid so removed, and means for supplying unvaporized portions of removed liquid directly to the container.



18. A method of effecting the distillation of hydrocarbon oils under pressure for the production of low boiling hydrocarbon products such as gasoline which comprises maintaining a body of oil under pressure and at conversion temperature, continuously flowing oil to be subjected to conversion conditions through a heating zone wherein it is brought to conversion temperature and into said body of oil, continuously and separately removing evolved vapors from said oil body and passing them to a condensing operation, continuously removing liquid from said body of oil, reducing the pressure to vaporize a portion thereof, withdrawing evolved vapors from said body of oil and intimately contacting them with the liquid being vaporized, heating condensed fractions of said separately removed vapors heavier than the desired low boiling products and thereafter discharging them into said body of oil.

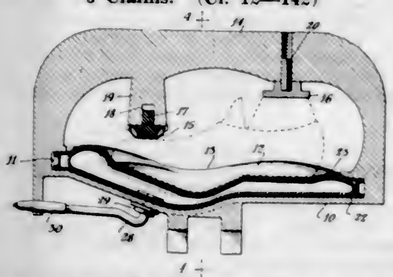
2,098,773

METHOD OF PRESSING SHOES

William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Original application March 11, 1931, Serial No. 522,738. Divided and this application June 19, 1935, Serial No. 27,288

3 Claims. (Cl. 12—142)



1. A method of affixing soles to shoes which comprises, locating an outer sole on a lasted upper with adhesive therebetween, loading the lasted shoe between an immovable support and an inflatable pad, keeping said support immovable throughout successive loading operations, and inflating said pad through a vertical displacement sufficient to enable it to press the sole against the lasted upper and to compensate by inflation alone for substantial variations in employed last sizes.

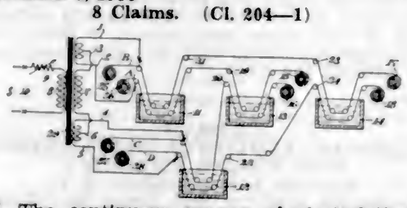
2,098,774

ELECTROLYTIC CONDENSER

Philip Ray Coursey, Surrey, England, and Clifford Herbert Marcus, New York, N. Y., assignors to Dubilier Condenser Corporation, New York, N. Y., a corporation of Delaware

Application January 12, 1933, Serial No. 651,248 In Great Britain January 16, 1932. Renewed October 6, 1936

8 Claims. (Cl. 204—1)



1. The continuous process of electrolytically forming oxide coatings upon aluminum surfaces which comprises treating at least four aluminum elements in the following manner: immersing the first and second elements as a pair in an electrolytic solution and establishing primary alternating potential therebetween of sufficient strength to form a film upon said elements; immersing the third and fourth elements as a pair in a second electrolyte solution and establishing a second primary alternating potential therebetween of sufficient strength to form a coating upon said elements, establishing a secondary alternating potential of substantially greater magnitude than said primary potential between the first named pair and a second named pair, removing the elements from their respective baths; immersing said first element and said third element as a pair in an electrolytic solution whereby said pair will be subjected to an electrolytic treatment due to the action of said secondary potential and similarly immersing said second and fourth elements in an electrolytic bath whereby a similar treatment is effected.

2,098,775

METHOD OF TREATING CELLULOSIC MATERIALS

Denis de Goencz and Edmund C. Tarnuzzer, North Adams, Mass., assignors to Arnold Print Works, North Adams, Mass., a corporation of Massachusetts

No Drawing. Application December 9, 1933, Serial No. 701,730

8 Claims. (Cl. 8—20)

1. A method of treating cellulosic material which comprises applying to the material a normally inactive cellulose solvent composed essentially of a cuprammonium salt in aqueous ammonia and thereafter treating the material containing such solvent with a solvent activating agent.

2,098,776

BOLT CUSHIONING MEANS FOR LOCKS

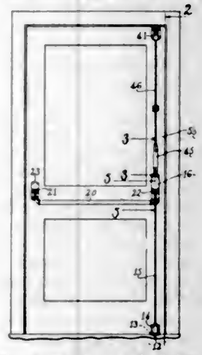
William S. Edwards, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut

Application June 8, 1936, Serial No. 84,095

12 Claims. (Cl. 292—92)

1. A door lock comprising a lock bolt positioned adjacent the edge of a door, actuating mechanism

secured to the door at a point remote from said bolt for controlling the same, connecting means between said actuating mechanism and the bolt,



and pneumatic means carried by the door and engaging a part of said connecting means to retard the movement of the bolt to protracted position.

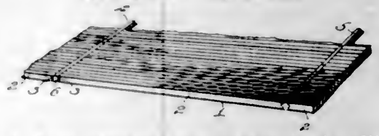
2,098,777

FLEXIBLE BOARD WOOD FLOOR COVERING

Armin Elmendorf, Chicago, Ill.

Application September 13, 1935, Serial No. 40,390

10 Claims. (Cl. 20—6)



6. A floor covering comprising a plurality of panels arranged edge to edge, each panel containing a flexible backing and thin, narrow, parallel strips of wood lying close together and glued to the backing, and wood strips between and glued to the wood and the felt at the meeting edges of the panels.

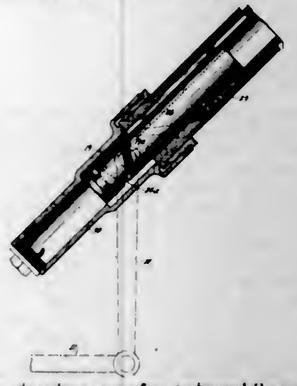
2,098,778

STEERING DEVICE FOR AUTOMOBILES

William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey

Application August 15, 1934, Serial No. 739,881

14 Claims. (Cl. 74—500)



1. In a steering gear for automobiles, the combination of a steering rod, a rock shaft, and a quick acting irreversible driving connection therebetween comprising two interfitted portions one of which is a cylindrical member having a peripheral curved slot which if developed in a flat plane would be an arc of a circle, and the other of which fits the slot and is fixedly carried by the rock shaft axially thereof.

2,098,779

PURIFICATION OF AQUEOUS LIQUIDS FROM PHENOLS AND OTHER ACCOMPANYING SUBSTANCES

Paul Hermann Gericke, Paul Herold, Helmut Kratz, and Eberhard Vogt, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 5, 1935, Serial No. 39,302. In Germany September 28, 1934

7 Claims. (Cl. 260—154)

1. A process for the purification of aqueous liquids from phenols and other accompanying substances comprising tarry constituents which comprises treating such aqueous liquids with a solid adsorption agent, the said phenols and other accompanying substances thereby being adsorbed by the said adsorption agent and thereupon extracting the adsorbed phenols from the solid adsorption agent containing the same by treatment with liquid ammonia.

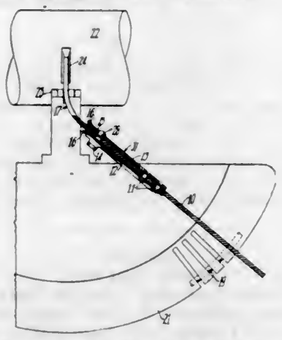
2,098,780

TYPEWRITING MACHINE

William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application October 24, 1935, Serial No. 46,461

7 Claims. (Cl. 197—36)



1. A separable type-bar for a typewriter, comprising a hub-member having a socket fixed to one end thereof, said socket including a channel, the sides of which embrace the hub-member, and a plate-spring opposing the web of the channel and forming one side of the socket, a type-carrying member arranged to be inserted into said socket, and means co-operating with said yieldable side to retain said type-carrying member in position in said socket.

2,098,781

GILL-DRAWING FRAME

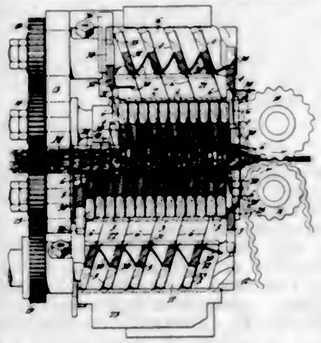
Willie Holdsworth, Seekonk, Mass.

Application April 27, 1936, Serial No. 76,549

10 Claims. (Cl. 19—129)

1. In a device for cleaning the faller-teeth in gill-drawing frames, flexible means projecting

laterally from the faller-bars and adapted to wipe



along the teeth of adjacent bars during the movement of the fallers in the machine.

2,098,782

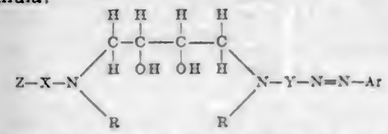
AZO DYESTUFFS

Heinrich Hopff and August Weickmann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1935, Serial No. 55,042. In Germany December 20, 1934

4 Claims. (Cl. 260—77)

1. Azo dyestuffs corresponding to the general formula:



in which the R's stand for members of the group consisting of hydrogen and alkyl, cycloalkyl, aralkyl and aryl radicals free from sulfonic acid groups, X and Y stand for radicals of the benzene series free from sulfonic acid groups, Ar stands for an aryl radical free from sulfonic acid groups, and Z stands for a member of the group consisting of hydrogen and the group —N=N—Ar.

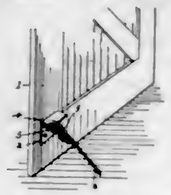
2,098,783

DOOR HOLDER

Ralph Hornung, Detroit, Mich.

Application November 5, 1936, Serial No. 109,247

1 Claim. (Cl. 292—338)



A device for the purpose described including a bracket member adapted to be secured to the inner face of a swinging door adjacent its outer end and lower corner, a horizontally disposed loop having spaced apart side legs and an outer curved end connecting said legs, said loop being secured at the ends of its legs to said bracket, and a prop member of extended length having a longitudinal slot adjacent its upper end through which slot said loop extends for pivotally attaching said prop to said door and for permitting lateral movement of said prop along said loop around said curved end thereof to extend outwardly from said door radially from said bracket with its free end in engagement with the surface over which the door swings and follow the path of swinging movement of the door, said prop being movable longitudinally by reason of the engagement of said loop with said slot, to permit said prop to be swung upwardly and then moved endwise to engage its slotted end within said loop and hold said prop in inoperative position, said bracket being provided with an abutment flange extending outwardly over and in spaced relation to said loop, whereby said prop when in operative position to hold said door in open position, will abut at its slotted end said abutment flange which flange will take the thrust of said prop.

2,098,784

BAKING UTENSIL

Herbert J. Krause, Huntington, and Paul R. Simmons, Marion, Ind., assignors, by direct and mesne assignments, to Simmons Paper Products, Inc., Warsaw, Ind., a corporation of Indiana

No Drawing. Application September 9, 1935, Serial No. 39,730

2 Claims. (Cl. 53—6)

1. A baking utensil comprising a plate consisting of paper stock of absorptive properties having on its inner face only a glass-like continuous coating of the dried residue of a solution of an alkali metal silicate and an acid selected from the group consisting of citric and tartaric acids.

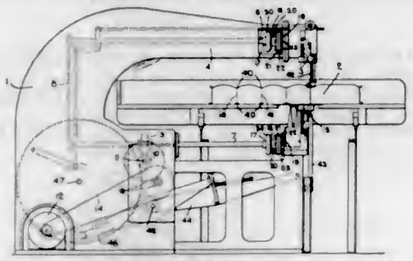
2,098,785

TUFTING MACHINE

Wilfred B. Mathewson, North Weymouth, Mass., assignor to United Mattress Machinery Company, Quincy, Mass., a corporation of Maine

Application December 28, 1936, Serial No. 117,689

3 Claims. (Cl. 112—3)



1. A tufting machine having two knotters, a driving shaft for each knotter which makes one revolution for each knotting cycle, each driving shaft comprising a driving section, a driven section and a slip clutch connecting said sections, said slip clutch having a limited torque resistance and being operative to establish a driving connection between the driving and driven shaft sections when they have a predetermined relative angular position only, whereby when either knotter meets with abnormal resistance the corresponding clutch will slip and allow the driving section of the corresponding driving shaft to continue its rotation and upon the next rotation of the driving section the two shaft sections will be coupled in their correct predetermined angular position.

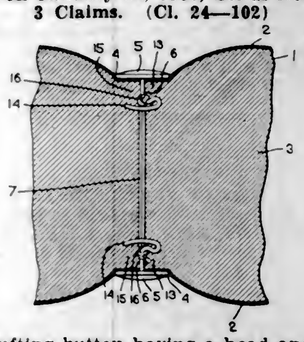
2,098,786

TUFTING BUTTON

Wilfred B. Mathewson, North Weymouth, Mass., assignor to United Mattress Machinery Company, Inc., Quincy, Mass., a corporation of Maine

Application January 14, 1937, Serial No. 120,519

3 Claims. (Cl. 24—102)



1. A tufting button having a head and a wire shank formed with a knot-receiving stem portion extending at substantially right angles from the head, said wire shank being bent laterally in one direction from the outer end of the stem portion and then formed into a return bend extending in the other direction beyond the stem portion said return bend being spaced from the laterally bent portion in the direction of the length of the stem.

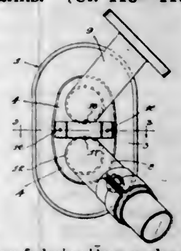
2,098,787

METHOD OF FABRICATING AN AUTOMOBILE HEATER

Arthur W. McNeish, Detroit, Mich.

Application July 23, 1937, Serial No. 155,158

5 Claims. (Cl. 113—118)



1. A method for fabricating a sheet metal automobile heater of the type comprising a sheet metal casing through which the exhaust gases of the motor are passed in heat exchange relation but out of communication with the air to be heated, a sheet metal closure plate for the end of said casing having an opening therein and a pipe adapted to fit in the opening in the end plate and connect with the exhaust passageway of the motor to conduct the exhaust gases from the motor into the said casing, said method comprising the steps of inserting the exhaust pipe in the opening in the end plate, positioning the said pipe in a predetermined position with respect to the said end plate and so that it will connect with the motor exhaust passageway, and while the pipe is thus positioned welding a metal bridge member to the said pipe and closure plate at points spaced from the joint between the pipe and the opening in the end plate, and thereafter brazing the said pipe in the opening in the end plate to secure an air-tight joint between the end plate and the pipe and to fix the pipe in the said opening.

2,098,788

LEATHER SUBSTITUTE

Russell Morgan, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 31, 1935, Serial No. 47,615

5 Claims. (Cl. 91—68)

1. The method of preparing a leather substitute which comprises making an artificially sueded material by disposing a rubber composition on a pliable base material and thereafter flocking the rubberized surface to provide a nap, vulcanizing to securely fix the flock, submerging the nap in a sufficient amount of a coating of a rubber composition which contains fillers to produce a non-sueded surface and to provide a bulky and wear resistant coating, smoothing and vulcanizing the last applied rubber thereby preventing any napping of the flocked surface.

2,098,789

LEATHER SUBSTITUTE

Russell Morgan, Drexel Hill, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 31, 1935, Serial No. 47,616

5 Claims. (Cl. 91—68)

1. The process which comprises impregnating a square weave unnapped cotton fabric weighing 5⅓ ounces per linear yard of 38 inch width with a gasoline dispersion of

	Parts by weight
Rubber	40
Factice (white)	10
Barytes	15
Lithopone	30
Magnesium carbonate	10
Pigment	1

removing the gasoline, coating one face of the impregnated fabric with a dispersion of one part of cotton flock and three parts of a composition consisting of

	Parts by weight
Rubber	40
Factice (white)	10
Barytes	15
Lithopone	30
Magnesium carbonate	10
Pigment	1

calendering the coated impregnated fabric, coating the calendered, coated impregnated fabric with a cement consisting of dispersing agent and

	Parts by weight
Rubber	40
Factice (white)	10
Barytes	15
Lithopone	30
Magnesium carbonate	10
Pigment	1

dusting the coated, calendered, coated, impregnated fabric to avoid a tacky surface and vulcanizing.

2,098,790

METHOD OF MAKING PISTON RINGS

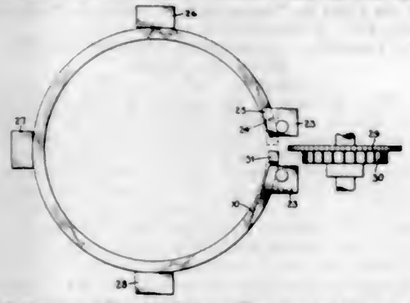
Robert S. Newton, Watertown, N. Y., assignor to The New York Air Brake Company, New York, N. Y., a corporation of New Jersey

Application January 22, 1934, Serial No. 707,675

6 Claims. (Cl. 29—156.6)

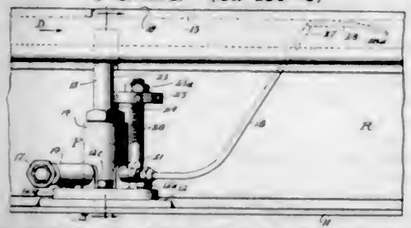
1. A method of making a lap joint piston ring which comprises splitting an unbroken ring,

forming a leg at one side only of the split by a milling operation, then removing a portion of the ring at the opposite side only of the split,



and forming by another milling operation a leg complementary to the first mentioned leg at the end left by the removal of said portion.

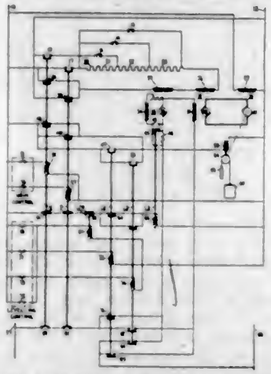
2,098,791
RAIL LUBRICATOR
Henry J. Perazzoli, Philadelphia, Pa., assignor to Railway Track-work Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 27, 1936, Serial No. 71,081
4 Claims. (Cl. 184—3)



1. A device for lubricating a rail including, in combination with a rail having a groove to receive wheel flanges, a lubricant passage formed in a side face of the rail groove, means for spreading lubricant on the side face of the rail groove including a groove formed in said side face, and pump means for delivering lubricant to said passage including an operating element positioned in the base of the rail groove, said operating element and the spreading means being actuable by contact with the periphery of a wheel flange and the side face of a wheel flange, respectively, during passage of a wheel along the rail, and the operating element being offset from the spreading means lengthwise of the rail in a direction in advance of the spreading means with respect to the normal direction of travel on the rail.

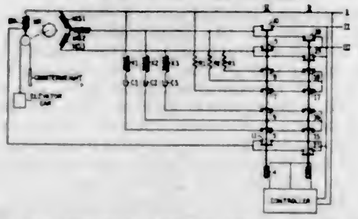
2,098,792
CONTROL SYSTEM FOR ELEVATORS
Anthony Pinto, New Rochelle, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application November 13, 1936, Serial No. 110,585
11 Claims. (Cl. 172—152)

11. In combination; an elevator car; a direct current hoisting motor therefor; a direct current generator for supplying current to said motor, said generator having a main separately excited field winding and an auxiliary separately excited field winding; means for connecting said main field winding to a source of direct current to effect movement of said car from one landing to another; means for disconnecting said main field winding and for connecting said auxiliary field winding to a source of direct current to level the car with the landing at which a stop is being made regardless of whether the car overruns or underruns the landing; means for causing the car to operate at two different levelling speeds, dependent upon the distance of the car from said landing during the levelling operation, said means comprising resistance in series with said auxiliary field winding and means for short-circuiting said resistance to effect a fast levelling speed and for



removing said short-circuit to effect a slow levelling speed; and means for overcoming the effects of residual flux of said generator during levelling, said last named means comprising an auxiliary direct current generator having an armature connected in series with said auxiliary field winding, a separately excited field winding connected in series with said main field winding, an additional field winding, and means for connecting said additional field winding across the armature of said auxiliary generator while said short-circuit for said resistance is removed.

2,098,793
ALTERNATING CURRENT MOTOR CONTROL
Anthony Pinto, New Rochelle, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application January 16, 1937, Serial No. 120,844
3 Claims. (Cl. 172—152)



3. In an elevator system; an elevator car; a counterweight therefor; a three phase squirrel cage induction motor for raising and lowering said car and counterweight; a source of three-phase alternating current; means for connecting the stator windings of said motor to said source and for disconnecting it therefrom; a plurality of condensers; a plurality of inductances; means for connecting said condensers, with said inductances in series therewith, across the stator windings of said motor to provide excitation for said motor when it is disconnected from said source, causing it to act as a generator; a plurality of resistances; and means for connecting said resistances across the stator windings of said motor when thus excited to dynamically brake said motor, the value of said inductances and the capacity of said condensers being such as to cause excitation of said motor at the fundamental of the frequency of the motor E. M. F. to effect the greatest dynamic braking action over the longest period when the motor is lowering full load and to prevent excitation of said motor at harmonics of said fundamental frequency and reduce the value of current due to such harmonics to a low value.

2,098,794
LOOSE-LEAF DEVICE
Abraham M. Rabinof, New Rochelle, N. Y.
Application January 6, 1936, Serial No. 57,793
5 Claims. (Cl. 129—24)



5. In a loose-leaf book having a pair of covers joined by a flexible middle portion, a housing on the innermost face of the middle portion and open at the side towards said face, separable split ring means extending through the base of the housing, depressing means secured to said flexible middle portion and operatively engageable with said split ring means for causing them to separate, and an exposed button attached to said depressing means and adapted to receive manual pressure thereupon for flexing said middle portion inwardly of the book and operatively actuating the depressing means.

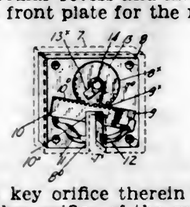
2,098,795
WIRE CUTTER
Martin L. Rowe, Chicago, Ill., assignor to The Gerrard Company, Inc., Chicago, Ill., a corporation of Delaware
Application May 22, 1936, Serial No. 81,220
2 Claims. (Cl. 30—1)



1. A one-piece wire cutter comprising a single thin flat metal disk which is provided about its periphery with a number of radial slots and is characterized by opposed finger-engaging surfaces by means of which the disk may be gripped adjacent any one of the slots and twisted back and forth with considerable leverage whereby to cause a wire positioned in such adjacent slot to be broken by the abrupt bending to which it is subjected by the edges of the slot.

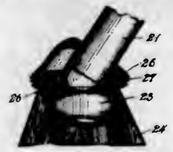
2,098,796
SWITCH LOCK FOR RAILWAYS
Albert Edward Shirley, Toronto, Ontario, Canada
Application May 20, 1936, Serial No. 80,751
1 Claim. (Cl. 246—400)

The combination with a switch stand, mast, and mast arm having a longitudinal slot extending through the bottom and front walls thereof and a rectangular recess in the front wall centrally of and at the upper end of the slot, and a switch lever pivoted between the side walls of the aforesaid slot, of a rectangular block held in the rectangular recess and having a vertical slot extending therethrough from the bottom of the block and registering with the slot of the mast arm, a transverse bolt receiving recess, the lower portion of which the vertical slot intersects, and a circular recess merging into the upper portion of the transverse recess, a gear fitting rotatably in the circular recess and having a key orifice therein, a front plate for the rectangular re-



cess having a key orifice therein normally in a line with the key orifice of the gear, a bolt provided with a gear rack and meshing with the aforesaid gear and slidably fitting the transverse recess and normally extending across the upper portion of the vertical slot and against the front face of which the upper portion of the lever normally engages until the bolt is moved from its locking position to clear the lever end and permit its passage through the vertical registering slots of the front plate and block.

2,098,797
METHOD OF FORMING A SUCTION CLEANING DEVICE
Clarence Everett Stevens, Old Greenwich, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 28, 1935, Serial No. 56,569
3 Claims. (Cl. 113—116)

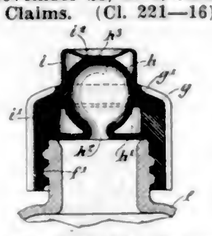


1. A method of forming a brush having a suction passage through the same which comprises forming a cup from a blank, reversely pressing the bottom of the cup to provide spaced inner and outer walls with the outer walls formed to receive a brush member and with the inner wall formed to receive a suction pipe and to have applied thereto a member extending downwardly within the confines of said brush member, and cutting out the closed bottom of the inner wall to provide the suction opening passage through the device.

2,098,798
METHOD OF GRINDING DYESTUFFS
Irving T. Thornton, Buffalo, N. Y., assignor to National Aniline and Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 11, 1934, Serial No. 706,255
2 Claims. (Cl. 83—94)

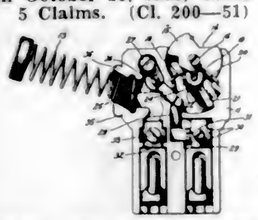
1. The method of pulverizing a chemically sensitive dyestuff, which comprises grinding the dyestuff in admixture with solid carbon dioxide to the desired fineness and maintaining carbon dioxide present in solid phase throughout substantially the entire grinding process, whereby the dyestuff is maintained at a low temperature and is protected from oxidation and decomposition.

2,098,799
CLOSURE FOR CONTAINERS
Ralph W. Wilson, New York, N. Y.
Application November 23, 1935, Serial No. 51,208
3 Claims. (Cl. 221—16)



2. A closure comprising a closure member of yielding non-metallic material having an opening therein normally closed by the resiliency of the said material, and a non-yielding hollow cover in which the yielding closure is received, the cover being movably mounted and having a portion overlying the yielding closure member and formed with a central opening surrounding the dispensing opening in the said closure member whereby movement of the cover in one direction will cause separation of the yielding material at the dispensing opening.

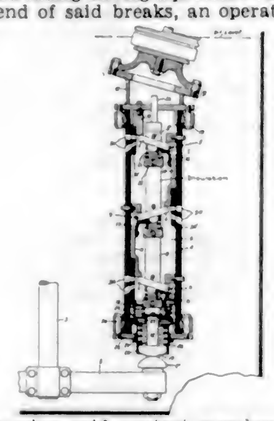
2,098,800
CONNECTER
George B. Benander, Yalesville, Conn., assignor to General Electric Company, a corporation of New York
Application October 16, 1935, Serial No. 45,226
5 Claims. (Cl. 200—51)



1. An electric connecter comprising two complementary body members, a contact clip loosely mounted in said body members, a second contact clip and a stationary contact connected together and secured in one of said body members, a second stationary contact secured to one of said body members, a switch plate with angularly depending legs loosely mounted in said body members, a U-shaped switch contact journaled in depending bearings from said plate and adapted to bridge said stationary contacts, an operating handle secured at the top to one of said body members, and a spring interconnecting said operating handle and said switch contact.

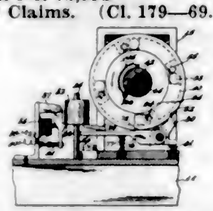
2,098,801
HIGH VOLTAGE ELECTRIC CIRCUIT INTERRUPTER
Henry V. Erben, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application March 12, 1937, Serial No. 130,505
8 Claims. (Cl. 200—150)

1. An electric circuit interrupter of the explosion chamber type comprising an insulating casing forming a pressure-confining chamber, an arc-extinguishing liquid substantially filling said chamber, a plurality of contact members, each pivotally mounted with respect to said casing disposed within said chamber, coacting fixed contact structure arranged to form with said contact members a plurality of breaks in series in the circuit, said casing having a pressure exhaust port opposite end of said breaks, an operating mem-



ber for moving said contact members substantially in unison, a butt contact connected in series with said contact members and carried by said operating member at one end of said chamber, and a movable switch member for coacting with said butt contact exteriorly of said chamber.

2,098,802
TELEPICTURE SYNCHRONIZING SYSTEM
William G. H. Finch, New York, N. Y.
Original application February 26, 1936, Serial No. 65,869, now Patent No. 2,047,863, dated July 14, 1936. Divided and this application April 6, 1936, Serial No. 72,991
8 Claims. (Cl. 179—69.5)

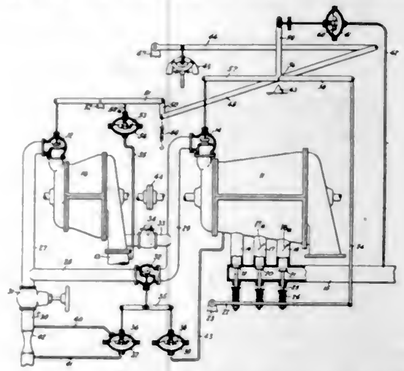


1. In a signalling system, a source of motive power; a driven member; a driving connection between said source of motive power and said driven member including means carried by said driving connection for disengaging said driving connection when said means is held against rotation; mechanism for arresting the rotation of said means when said driven member approaches a predetermined angular position; a synchronizing magnet responsive to received cyclic synchronizing signals; and a weight positioned above said mechanism, releasable by said magnet against said mechanism for rendering said arresting mechanism ineffectual during synchronous condition.

2,098,803
ELASTIC FLUID TURBINE ARRANGEMENT
Eugene E. Harris, Watervliet, N. Y., assignor to General Electric Company, a corporation of New York
Application January 15, 1936, Serial No. 59,263
8 Claims. (Cl. 60—67)

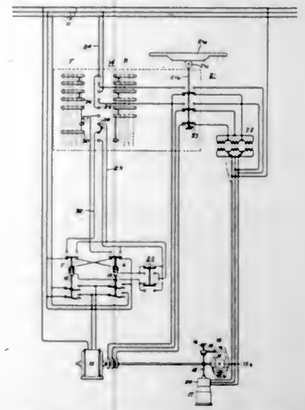
1. An elastic fluid turbine arrangement including the combination of a first and a second tur-

bine for furnishing a common load output, means for connecting the turbines in series and in parallel as regards the flow of elastic fluid there-



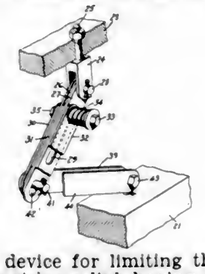
through, and means for automatically changing the connection from series to parallel connection as the load output rises beyond a fixed value.

2,098,804
CONTROL SYSTEM
Herbert Hootz, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application July 1, 1936, Serial No. 88,435
In Germany July 9, 1935
3 Claims. (Cl. 172—179)



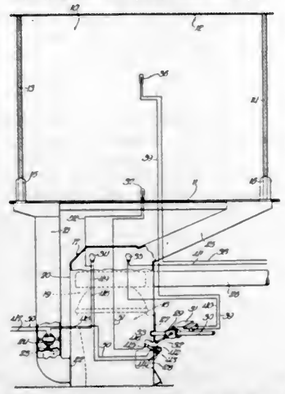
1. A motor control system comprising an alternating current induction motor, a mechanical brake for said motor biased to braking position, a multiposition master switch for controlling the operation of said motor, means for releasing said brake, means operable in the first running position of said master switch for connecting said brake releasing mechanism to the secondary winding of said motor thereby to produce a graduated braking action dependent upon the speed of said motor and responsive to operation to a running position beyond the first for disconnecting said brake releasing mechanism from said secondary winding and connecting it to said source to effect full release of said brake, and an auxiliary switching device operable upon return of said master switch to said first running position for establishing plugging braking connections for said motor.

2,098,805
SAFETY DEVICE
Sidney O. Huntington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 28, 1934, Serial No. 713,294
2 Claims. (Cl. 248—1)



1. A safety device for limiting the movement of a body comprising a link having one end to be connected to a fixed support, a plurality of other links, means including a bolt and a spring for fastening the other links to the first named link and causing adjacent surfaces of the links to contact each other with a predetermined force, said bolt projecting through bores and slots of varying lengths in the links, and means for connecting the plurality of links to the body whose movement has to be limited, the bolt connection through the slots of varying length permitting a stepped breaking of the friction of rest between the contacting link portions.

2,098,806
SYSTEM OF CONTROL FOR AIR CIRCULATING MEANS
David J. Jones, Elmhurst, Ill., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 12, 1935, Serial No. 44,749
5 Claims. (Cl. 236—11)



4. In a system for controlling the temperature of a space, means for circulating air through said space, means for varying the temperature of said air, a regulator for said temperature varying means movable between heat increasing and heat decreasing positions, a first temperature responsive device responsive to the temperature at an intermediate level in said space, a second temperature responsive device responsive to the temperature at a lower level in said space, a third temperature responsive device responsive to the temperature of the air adjacent said temperature

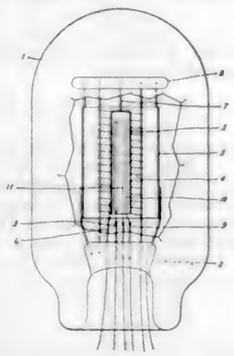
varying means, transfer means which when in a first position places said air circulating means under the control of said second temperature responsive device and when in a second position places said air circulating means under the control of said third temperature responsive device independently of said second temperature responsive device, and means including said first temperature responsive device operative upon the temperature at said intermediate level falling below a predetermined value to cause said transfer means to move to its second position and to cause said regulator to move to its heat increasing position and upon the temperature at said intermediate level rising above a predetermined value to cause said transfer means to move to its first position and said regulator to move to its heat decreasing position.

2,098,807

ELECTRICAL DISCHARGE APPARATUS

Johan Lodewyk Hendrik Jonker and Karel Marinus Van Gessel, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware

Application March 22, 1932, Serial No. 600,456
In the Netherlands March 24, 1931
1 Claim. (Cl. 250—27.5)



An electric discharge device comprising an envelope containing a cylindrical anode, a helical grid and an indirectly heated cathode of cylindrical configuration, a plurality of heaters within the cathode cylinder and the space between said heaters and the cylinder being substantially free of insulating material, one of said heaters having the proper electrical characteristics to carry the heating current during normal operation of the device and another of the heaters having the proper electrical characteristics to carry a larger heating current during evacuation of the device, said last-mentioned heater remaining idle during the normal operation of the discharge device, said heaters having substantially the same shape but different dimensions, and one of said heaters being arranged within another heater.

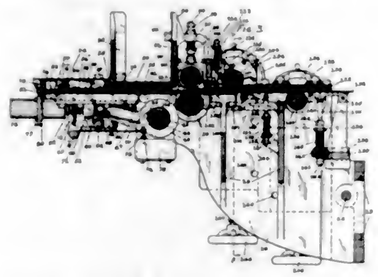
2,098,808

SIZING MACHINE FOR BATTERY GRID PLATES

Arthur D. Lund, Minneapolis, Minn.

Application December 23, 1935, Serial No. 55,855
19 Claims. (Cl. 90—11)

1. A grid plate sizing machine comprising a plate passageway defined in part by a pair of co-operating power driven feed rolls arranged to receive the grid plates therebetween and advance them through the passageway, and a pair of ro-



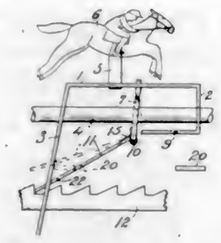
tary trimmers disposed at opposite sides of the passageway and adapted to extend transversely across and act on opposite surfaces of the grid plates as they advance under the feed roll action.

2,098,809

RACING AMUSEMENT DEVICE

Clarence W. Musser, Kansas City, Mo.

Application May 31, 1935, Serial No. 24,270
8 Claims. (Cl. 273—86)



1. In a device of the kind described, the combination with a supporting bar, a carrier reciprocative on said supporting bar, a locking member engaged by and movable with said carrier and slidably reciprocative on said bar and tiltable thereon to and from a locking position in which it will hold said carrier from forward but will permit its rearward movement, a forwardly and rearwardly reciprocative ratchet member, and a pawl engageable and movable forwardly by said ratchet member and engaging said locking member for releasing said locking member and moving it and said carrier forwardly, of a spring engaging said locking member and said pawl and holding them tightly engaged with each other, and having a tension normally forcing said pawl into operative engagement with said ratchet member and said locking member toward the locking position, and resilient means operable independently of said pawl for normally forcing said locking member to the locking position.

2,098,810

DIVIDED SKIRT

Selda K. Pierce, Brookline, Mass.

Application May 12, 1937, Serial No. 142,140
3 Claims. (Cl. 2—214)

1. A divided skirt comprising an upper portion shaped to fit the waist and hips of the wearer, and a pair of depending trunk portions joined at the crotch of the garment, each of said trunk portions comprising two pieces of material joined by seams extending, respectively, along the side of the garment on the outside of the trunk portion, and along the center of the trunk portion



at the inside thereof, and said crotch extending in a diagonal direction from front to rear of the garment so that the trunk portions substantially overlap each other, both front and rear, the visible lines of the division therebetween being substantially offset from the median line of the garment, so that the garment presents the appearance of an ordinary skirt.

2,098,811

COMPOSITE BODY

Hans Pulfrich, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York

No Drawing. Application July 16, 1935, Serial No. 31,719. In Germany July 25, 1934
5 Claims. (Cl. 49—81)

4. A composite body comprising a glass member and a member composed of a ceramic material having as main components magnesium oxide and titanium oxide, said members being fusion-welded to one another.

2,098,812

CERAMIC MATERIAL

Hans Pulfrich, Berlin-Wilmersdorf, Germany, assignor to General Electric Company, a corporation of New York

No Drawing. Application December 31, 1936, Serial No. 118,677. In Great Britain July 31, 1934
6 Claims. (Cl. 106—9)

1. A sintered ceramic material which is substantially impenetrable by gases and is adapted to be fusion-welded to glass and to form a vacuum-tight seal therewith, said material having a coefficient of linear thermal expansion not substantially exceeding 130.10^{-7} and including as one component an oxide of the group consisting of magnesium and beryllium, having as another component an oxide of the group consisting of titanium and zirconium, the mol. ratio of said first-named component to said last-named component being at least about 1 to 1, and having as a third component a siliceous ceramic bonding agent.

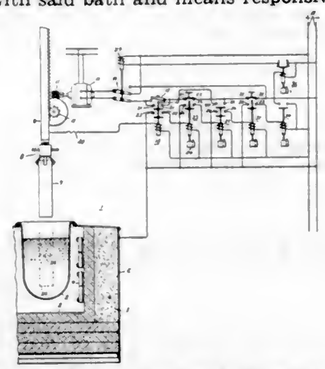
2,098,813

HEAT TREATING APPARATUS

Leon B. Rosseau, Lower Merion Township, Montgomery County, Pa., assignor to General Electric Company, a corporation of New York

Application November 24, 1936, Serial No. 112,529
4 Claims. (Cl. 266—5)

1. In combination, a molten bath, means for lowering an article into engagement with said bath to be heat treated therein, a circuit arranged to be closed by the contact of said article with said bath and means responsive to the



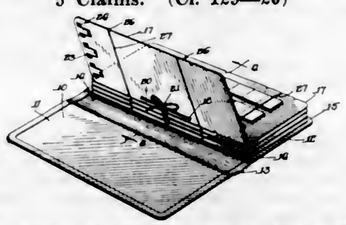
closing of said circuit for controlling the immersion of the article into the bath.

2,098,814

STAMP HOLDER

Charles A. Swanson, Chicago, Ill.

Application March 16, 1934, Serial No. 715,855
5 Claims. (Cl. 129—20)



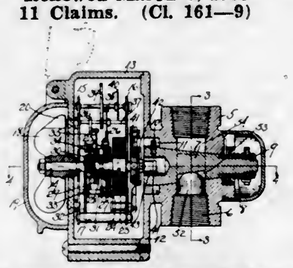
1. A stamp holder comprising a plurality of cards, a backing member, adjustable length means to detachably secure the cards together in book form upon the backing member, a cover for the cards and backing member, a pocket formed between said cover and said backing member, and clips on the cards adapted to detachably secure variable thickness sheets of stamps thereon.

2,098,815

SELF-ACTUATING VALVE

Anton Van Veen, West Hartford, Conn.

Application October 1, 1931, Serial No. 566,190
Renewed March 3, 1936
11 Claims. (Cl. 161—9)



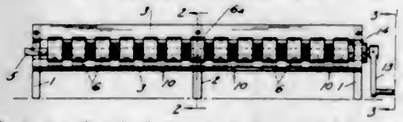
1. A self-actuating valve including a valve case with a valve therein, a spring for continuously rotating said valve during the period in which the valve is open, and a regulating mechanism including a spring actuated main arbor opera-

tively connected to said valve for operation thereof, means for operating said regulating mechanism by the turning movement of said valve, and an interruptable connection between said valve and said regulating mechanism to permit independent movement of said valve.

2,098,816
SPACING MECHANISM

Theodore K. Walma, Iowa City, Iowa

Application October 26, 1936, Serial No. 107,664
11 Claims. (Cl. 146—153)

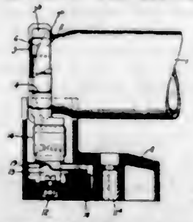


1. A mechanical movement comprising supporting means, a straight rod of non-circular cross-section supported thereby, sleeves surrounding said rod and slidable longitudinally thereof, said sleeves having their internal surfaces conforming substantially to the rod and fitting the same closely but sufficiently loosely to be freely slidable thereon, the external surfaces of the sleeves being threaded in opposite directions from opposite ends, longitudinally apertured blocks having their apertures threaded in opposite directions from opposite ends, the threads of the blocks cooperating with the threads of the sleeves to cause motion of both longitudinally of the rod when the latter is rotated, and guiding means for the blocks to support them and prevent their rotation around the rod.

2,098,817
INSULATED SUPPORT FOR LAMPS

Kurt Wiegand, Hohenneuendorf, near Berlin, and Friedrich Göritz, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application December 2, 1936, Serial No. 113,918
In Germany December 19, 1935
3 Claims. (Cl. 176—29)



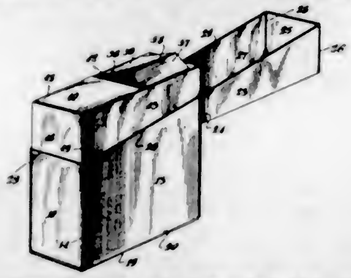
3. A mounting device for a lamp of the character described, comprising a cap made wholly of insulating material comprising a disk portion and an elastic rim, a radially extending foot formed integral with the cap and provided with notches on opposite sides and an open slot at the bottom, said rim and foot having a second slot, and a contact spring which extends through the second slot, one end of the spring being located within the cap adjacent the disk portion and the other end located in said open slot in the bottom of the foot.

2,098,818
SEALED CONTAINER

Champe S. Andrews, North Chattanooga, Tenn.

Application June 9, 1932, Serial No. 616,253
5 Claims. (Cl. 229—17)

1. A sealed container of the character described, comprising in combination, an outer shell and a closed tubular member telescoped therein, said member having sealable flaps closing the opening through which the contents are inserted, a sealed but openable portion through which the contents may be removed, said outer shell having sealable flaps closing the opening through which the cellular member is inserted, the sealable flaps of the outer shell being on a



side other than a side overlying the sealable flaps of the tubular member and a sealed portion adapted to be separated from the main portion of the outer shell along a perforated line to provide a hinged cover therefor through which the contents may be removed, said member thereafter providing means for frictionally retaining the hinged cover portion in closed position.

2,098,819
CONTROL SYSTEM

Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application January 4, 1936, Serial No. 57,572
4 Claims. (Cl. 246—3)



1. In combination, a railway track formed into an insulated section, means to supply coded alternating current to the rails of said section, a code following relay receiving current from the rails of said section for operating a circuit controlling contact member, two control relays each provided with a particular predetermined slow-release period, said two relays proportioned differently to possess different slow release periods, circuit means including a direct current source and said contact member for supplying code impulses of current to the windings of said relays in multiple, two asymmetric units one for each relay and each unit interposed in series with the winding of the associated relay and said units both disposed with their forward direction toward the negative terminal of said direct current source whereby each of said relays is operated at its particular release period, and signaling means for governing traffic through said section controlled by said relays.

2,098,820
BROOCH

Morris Belloch, Brooklyn, N. Y.

Application April 16, 1937, Serial No. 137,348
6 Claims. (Cl. 63—20)

1. A brooch assemblage, comprising a pair of brooch members, each provided with a substantially flat clasp on the back thereof, and a spring clip device for securing said brooch members in abutting relationship, said spring clip device

comprising a generally flat body portion and a pair of gripping fingers carried by said body portion and resiliently urged toward said body por-

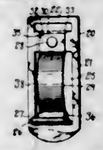


tion, for endwise sliding and resilient engagement, respectively, under the clasps on the back of the brooch members.

2,098,821
CLASP

Raymond W. Cook, Bristol, Conn., assignor, by mesne assignments, to Associated Spring Corporation of Delaware, Bristol, Conn., a corporation of Delaware

Application February 7, 1935, Serial No. 5,413
5 Claims. (Cl. 24—243)



1. A clasp comprising: a frame-member having an opening and a gripping-edge forming part of the border of said opening; a resilient metal or equivalent clasp-member rigidly secured to the frame-member and having a grip-tongue adjacent said gripping-edge and at one side of said frame-member when in unclasped position, the extreme end of said grip-tongue being located substantially beyond said opening and beyond said gripping-edge when in unclasped position and said grip-tongue being adapted to resiliently engage against and yieldably resist being pushed past said gripping-edge to gripping position adjacent said gripping-edge of said frame-member.

2,098,822
RAILWAY SIGNALING APPARATUS

Robert M. Gilson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 10, 1935, Serial No. 20,796
Renewed February 5, 1936
30 Claims. (Cl. 246—34)



1. In combination with a section of railway track, a source of periodic current, means for connecting said source across the traffic rails of the section comprising a tuned circuit including a condenser in series with a first winding of a reactor having a magnetizable core, a track relay receiving current from the rails of said section, vehicle-carried means for supplying direct current to the traffic rails of said section for detuning said tuned circuit to increase the effective impedance thereof, and a second winding on said reactor arranged to receive direct current from said vehicle to control the flux in the core of the reactor and thereby aid the release of said track relay.

2,098,823
BOTTLE

Franklin C. Gurley, Hamburg, N. Y.

Application August 21, 1936, Serial No. 97,242
6 Claims. (Cl. 215—1)



5. An improved container comprising a hollow body portion formed entirely of moldable wax with a tubular neck of the same material projecting from said body portion, formed integrally therewith, and providing a passage for filling and emptying the chamber in said body portion, the exterior of said neck being threaded from its free end, and a removable closure cap with internal screw threads screwed over the outside of said neck and encasing the exterior of said neck from its free open end approximately to said body portion, protecting substantially the entire neck and its screw threads from external injury in handling, and closing the open end of said neck, but removable from said neck by unscrewing to enable access to be had to the interior of said body portion.

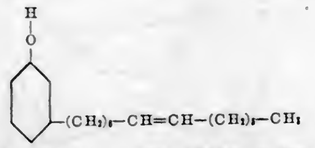
2,098,824
PROCESS OF DESTRUCTIVELY DISTILLING CASHEW NUT SHELL LIQUID

Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey

No Drawing. Application December 21, 1933, Serial No. 703,414
17 Claims. (Cl. 260—154)

1. The method which comprises removing from cashew nut shell liquid a phenolic product having a boiling point of about 360° C. at normal pressure and a boiling point of about 225° C. at a pressure of about ten millimeters of mercury by destructively distilling said cashew nut shell liquid.

14. A phenolic compound obtainable from cashew nut shell liquid and having the following identification: molecular weight 288; approximate empirical formula, $C_{20}H_{32}O$; structural formula,



index of refraction, N_D^{25} 1.5112; boiling point, about 225° C. at ten millimeters of mercury; melting point, below minus 20° C.; density, about 0.930 at 20° C.

17. The method which comprises breaking down anacardic acid, identified as the major constituent of cashew nut shell liquid, with the aid of heat to produce a compound having the formula $C_{14}H_{27}C_6H_4OH$ and distilling off said compound.

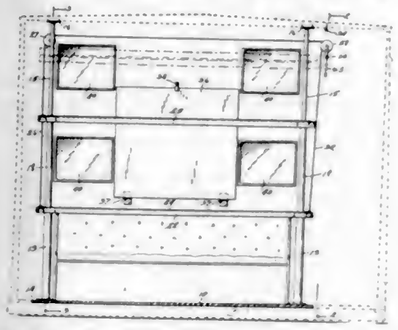
2,098,825
BED SUPPORTING STRUCTURE FOR TRAILERS OR AUTOMOBILES

Ernest E. Hills, Oshkosh, Wis., assignor of one-third to Albert J. Ihrke, Oshkosh, Wis.

Application January 4, 1936, Serial No. 57,594
Renewed April 1, 1937
1 Claim. (Cl. 5—9)

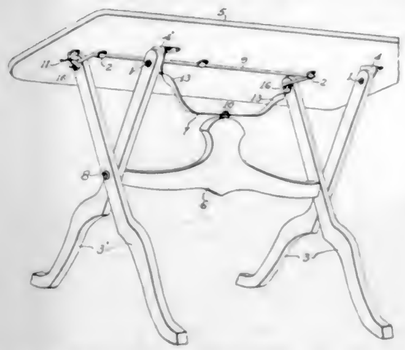
In a trailer, four posts, each formed of a lower section, an upper section and an intermediate

section, the sections being successively less in diameter, the intermediate section having reversely screw threaded engagement with the lower and upper sections, the upper and lower sections carrying at their ends attaching plates, a lower bed supporting frame slidably mounted upon the intermediate sections of the posts and limited in its downward movement by the upper ends of the lower sections, an upper bed supporting frame slidably mounted upon the upper sections and



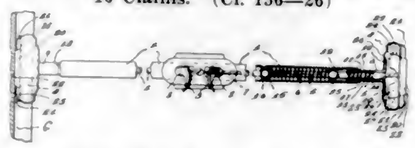
limited in its downward movement by the upper ends of the intermediate sections, and manually operable means for raising the lower section into engagement with the upper section and then raising both sections into the upper portion of the trailer, said means permitting the lowering of both bed frames until the upper bed frame is stopped from further movement and then lowering the lower bed frame until it is stopped from further lowering movement.

2,098,826
FOLDING TABLE
Karl G. Johanson, West Concord, Mass.
Application January 14, 1937, Serial No. 120,623
2 Claims. (Cl. 311—83)



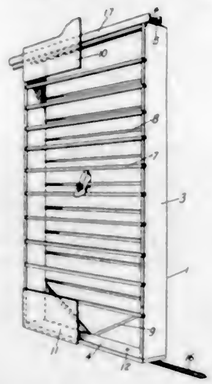
1. In a folding table having two pairs of crossed legs, the legs of one pair being pivoted to the other pair on a transverse axis intermediate their ends, a center-post pivotally connected to said pairs of legs on said axis, a flexible brace pivotally connected at its center to the middle of said center-post, one end of said brace being pivoted to a leg of one pair at one side of the table, and the other end of said brace being pivoted to a leg of the other pair at the other side of the table.

2,098,827
CURTAIN FIXTURE
John F. Levan, Elkhart, Ind., assignor to Excel Curtain Company, Elkhart, Ind., a corporation of Indiana
Application July 22, 1936, Serial No. 91,951
10 Claims. (Cl. 156—26)



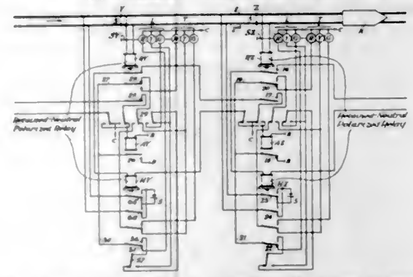
5. A curtain fixture comprising a sleeve to which the lower end of the curtain is secured, rods slidable in the sleeve and having pinch handles by which they are slidable axially inwardly, springs tending to thrust the rods axially outwardly, the rods being adjustable axially relatively to the pinch handles, a head swivelled on the end of each rod and having a stem encircling the end of the rod, a sleeve on the rod in abutting relation to the stem, a spring interposed between the stem and the sleeve and tending to thrust the stem away from the sleeve, the stem and the sleeve having interlocking means tending to hold the head and the rod from relative turning movement, when the head is slidably coacting with a curtain guide and the spring compressed and to permit relative turning movement when the head is out of the guide.

2,098,828
DISPLAY RACK
Arthur H. Ludwick, Danville, Ill.
Application July 24, 1936, Serial No. 92,397
1 Claim. (Cl. 211—34)



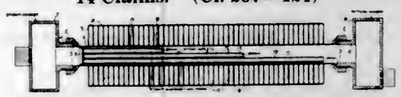
In combination with a pair of upper and lower vertically aligned guide members adapted to be secured respectively to vertical and horizontal surfaces, a vertically disposed rectangular box-like open rack frame provided on opposite sides with a series of vertically spaced article supports, the supports on one side being staggered with respect to the supports on the opposite side, the lower guide member being in the form of a track and the bottom wall of the frame being provided with rollers for engagement with the track, the upper guide member comprising a pair of spaced rails to receive the top member of the frame, whereby the frame is supported in vertical position for movement on said guide members.

2,098,829
RAILWAY SIGNALING
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 10, 1933, Serial No. 675,246
32 Claims. (Cl. 246—46)



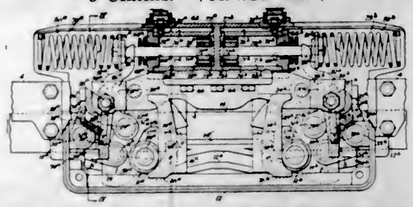
21. In combination, a section of railway track, a track circuit for said section including the traffic rails of the section and a pole-changer responsive to traffic conditions in advance of said section, a polarized relay energized by current supplied by said track circuit and having the characteristics of holding its front neutral contacts closed when the polarity of the energizing current is reversed and of retaining its back neutral contacts closed a predetermined interval after energizing current is supplied thereto, and a signal for said section having a stop circuit including a back neutral contact of said relay and a proceed circuit including a front neutral contact whereby signal flashing when the pole-changer is operated and momentary loss of control when a train vacates the section are avoided.

2,098,830
APPARATUS FOR THE HEATING OF AIR
John McElgin, Philadelphia, Pa., assignor to John J. Nesbitt, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application November 12, 1935, Serial No. 49,364
14 Claims. (Cl. 257—124)



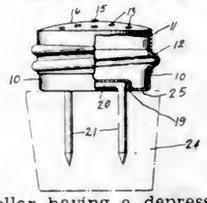
1. In a radiator, spaced headers, an interconnecting main tube, and a plurality of interiorly disposed, steam distribution tubes in the main tube having their outlets disposed at different locations within said main tube.

2,098,831
RAILWAY SWITCH OPERATING APPARATUS
Kenneth J. J. McGowan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 29, 1935, Serial No. 13,682
9 Claims. (Cl. 246—291)



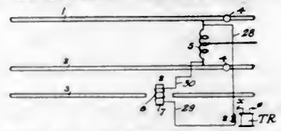
2. In combination, a railway switch movable between two extreme positions, means for normally biasing said switch to a selected extreme position, means effective when said switch is moved away from said selected extreme position by a trailing train for biasing said switch to its opposite extreme position, and timing means set into operation when said second mentioned biasing means is actuated for terminating the effect of said second mentioned biasing means and for restoring the effect of said first mentioned biasing means at the expiration of a measured time interval.

2,098,832
SALTCELLAR
Arthur H. Payson, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio
Application September 25, 1935, Serial No. 41,966
6 Claims. (Cl. 65—45)



1. A saltcellar having a depressed portion in its outer base, a piercing attaching member supported at one end in said depressed portion, said attaching member being adapted to secure said saltcellar to a pierceable cap.

2,098,833
TRACK CIRCUIT SIGNALING SYSTEM FOR RAILWAYS AND THE LIKE
Leslie Hurst Peter, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 16, 1935, Serial No. 11,375
In Great Britain March 17, 1934
11 Claims. (Cl. 246—37)



1. In a signaling system for electric railways employing the track rails as conductors of alternating signaling current and as the return conductor of the propulsion current circuit, a track relay having a winding connected across the track rails to render said relay responsive to alternating signaling current in the track rails, and means for preventing the response of the track relay to alternating current derived from the propulsion current circuit due to the connection of said winding to the track rails comprising an inductor having a winding electromagnetically coupled with the propulsion circuit and connected across the track rails in series with said track relay winding.

2,098,834
CLOTHESPIN OR LIKE ARTICLE
Henry J. Peterson, Webster City, Iowa
Application May 29, 1936, Serial No. 82,465
6 Claims. (Cl. 24—261)

1. In a clothespin constructed of a single strand of spring material, a circular upper

loop portion bent in the central portion of said strand, a downwardly extending finger portion extending from one end of said loop portion, a U-shaped portion having one of its ends extending downwardly from the other end of said



loop portion, having its two side lengths resting in spaced relationship at each side of said finger portion, and its free end bent inwardly to slidably engage solely the inner side of the end portion of said loop portion that extends into said finger portion.

2,098,835

EXTRACTING GOLD AND/OR SILVER FROM ORES, ETC.

Barclay K. Read, John S. Godard, and Wilfred N. Hall, Toronto, Ontario, Canada, assignors to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application April 2, 1935, Serial No. 14,374. In Canada May 2, 1934

2 Claims. (Cl. 75—2)

1. A method of extracting gold and/or silver from ores and other products from mining and metallurgical operations containing one or both of these constituents which comprises subjecting such ores and other products to the action of ammonia in conjunction with a cyanide compound, separating the tailings from the cyanide operation and subjecting said tailings to a flotation operation.

2,098,836

INSECTICIDE

Ivan L. Ressler, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 24, 1936, Serial No. 76,264

7 Claims. (Cl. 167—34)

1. An insecticidal composition containing nicotine and a hydrophilic polyvinyl compound.

3. An insecticidal spray composition comprising an aqueous solution of nicotine and polyvinyl alcohol.

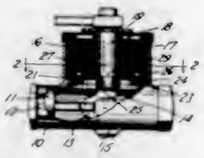
2,098,837

DOOR CLOSER

William Stanley Richmond, Hamilton, Ontario, Canada

Application May 21, 1937, Serial No. 143,968

7 Claims. (Cl. 16—59)



1. In a door closer of the class described including a diaphragm provided with an opening, a valve adapted to temporarily close the opening, and means for operating the valve to permanently clear the opening automatically upon the initial operation of the door closer.

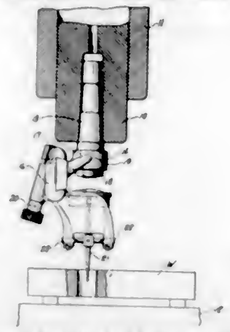
2,098,838

WORK LOCATING INDICATOR FOR JIG BORING MACHINES

John M. Rusnak, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey

Application September 17, 1935, Serial No. 40,955

2 Claims. (Cl. 33—172)



1. A setting device for boring machine work supports comprising in combination, a body member adapted for mounting upon the spindle of said machine, a single piece head on said body member adjustable in a direction normal to the axis of rotation of said spindle, an indicator having its body member detachably fixed to said head, and a centrally pivoted lever mounted for oscillation upon bearings within said head about an axis normal to the axis of said spindle, said lever at its lower end being adapted to engage a surface of the work piece being positioned and at its upper end engaging the actuating member of said indicator.

2,098,839

REFRACTORY MATERIAL

John D. Sullivan, Columbus, Ohio, assignor to The Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio

No Drawing. Application September 28, 1934, Serial No. 745,975

3 Claims. (Cl. 106—9)

1. An article of manufacture comprising magnesite grains bound together by hydrolysis of a cement formed of a ground stable clinker consisting chiefly of periclase, tricalcium silicate and calcium ferrite or aluminate, which clinker has been fired at a temperature of about 2500° F. or more for a period of time sufficient to render it stable against slaking and dusting.

2,098,840

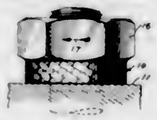
NUT LOCK

Adolf Thode, Hamburg-Billbrook, Germany

Application January 16, 1937, Serial No. 120,889

In Germany January 21, 1936

19 Claims. (Cl. 151—36)



1. A securing means comprising plural overlapping biting parts adapted for engagement with a nut or the like and a support respectively; means for yieldably holding said parts spaced

and against relative rotation and in said engagement; a means associated with said parts respectively for causing said parts to move reversely to nut-tighten direction during nut tightening.

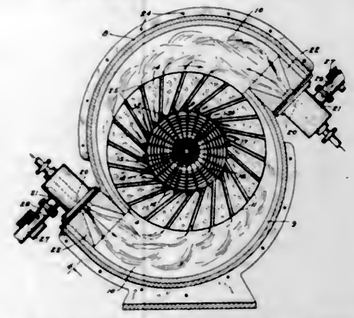
2,098,841

STEAM GENERATOR

Hendrik N. F. Verloop, Amsterdam, Netherlands, assignor of one-third to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin

Application April 10, 1937, Serial No. 136,108

11 Claims. (Cl. 122—11)



1. In a steam generator, a casing forming an annular chamber revolvable about its axis of annularity, means for conducting hot gases inwardly through said chamber, atomizing nozzles for delivering liquid outwardly within said chamber, and means for conducting steam away from said chamber inwardly toward said axis.

2,098,842

PREPARATION OF ACETALDEHYDE AND A CATALYST THEREFOR

Hans Walter, Frankfort-on-the-Main, Germany, assignor to Deutsche Gold- und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application November 13, 1935, Serial No. 49,552. In Germany May 24, 1930

8 Claims. (Cl. 260—139)

7. An acidic catalyst body for the production of acetaldehyde by reacting acetylene with water which comprises activated carbon impregnated with phosphoric acid and a phosphate of at least one metal selected from the group comprising zinc, cadmium and silver.

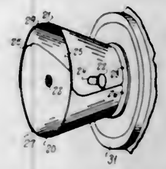
2,098,843

LIGHT-SHIELD FOR CAMERAS, ETC.

Charles A. Watrous, New Haven, Conn.

Application October 27, 1934, Serial No. 750,306

6 Claims. (Cl. 88—1)



1. A light-shield for installation upon the lens-mounts of cameras, comprising: two complementary flexible light-shield leaves of substantially-corresponding widths; and two pivots extending between the two said leaves respectively at spaced-apart points substantially equal to one-half the distance around the adjacent circumference of the cone to be formed; the said leaves and pivots being so constructed and arranged that the said leaves are super-imposable flatwise one upon the other when the light-shield is removed from a lens-mount and reversible from such condition into substantially-conical form for application to a lens-mount with their initially-opposite edges located at the same end of the cone.

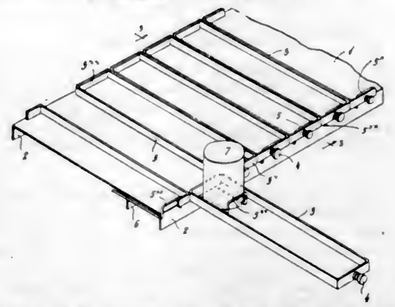
2,098,844

ARTICLE PROJECTION APPARATUS FOR SHELVES

William V. Waxgiser, Brooklyn, N. Y.

Application October 28, 1935, Serial No. 46,997

6 Claims. (Cl. 312—71)



1. Article projection apparatus for a shelf, comprising a plurality of frame members, each of rectangular bent formation and adapted to rest upon the top of a shelf, and each adapted to embrace a row of cans, and to move the row forwardly when the frame member is given a corresponding movement, and a plurality of slides supported by and below the shelf for horizontal sliding movement, one for each frame member, and each provided with supporting means for a can, the slides each having a portion extended into the path of the foremost cans and being movable by the latter to a predetermined extent, so as to provide a support for the foremost can in front of the shelf.

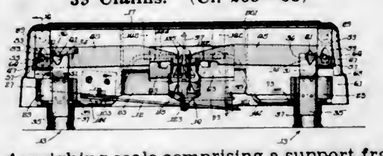
2,098,845

WEIGHING SCALE

Mathias J. Weber and Russell E. Vanderhoff, Chicago, Ill., assignors to Continental Scale Corporation, Chicago, Ill., a corporation of Delaware

Application September 27, 1934, Serial No. 745,778

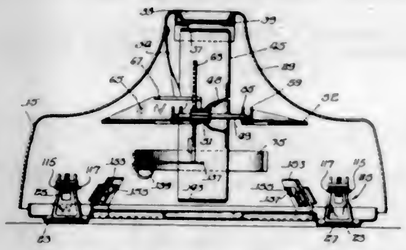
39 Claims. (Cl. 265—68)



1. A weighing scale comprising a support frame, weighing mechanism comprising a system of interconnected levers fulcrumed on said frame, and a weight receiving platform carried by said levers, resilient weighing means connecting said levers on said platform, and an indicator comprising a graduated dial element carried on said platform and a pointer element mounted on the platform in position extending above said dial, one of said

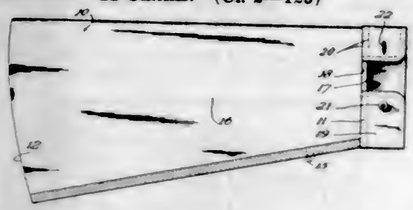
elements being turnable on said platform with respect to the other, said other being fixed on the platform and means carried by said platform and drivingly connecting said turnable element with said levers.

2,098,846
WEIGHING SCALE
Mathias J. Weber and Russell E. Vanderhoff, Chicago, Ill., assignors to Continental Scale Corporation, Chicago, Ill., a corporation of Delaware
Application May 19, 1936, Serial No. 80,520
16 Claims. (Cl. 265—68)



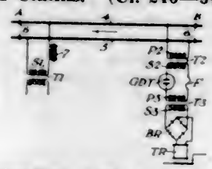
1. A weighing scale comprising a base, weighing mechanism comprising a system of levers fulcrumed on said base, a weight receiving platform on said levers, and a resilient weighing means on which said system of levers is yieldingly suspended, said resilient means comprising a spring connected at one end to said lever system, and adjustable means for attaching the other end to said spring on the weight receiving platform, said adjustable means comprising a pin adapted for longitudinal movement on the platform, manually operable means for adjustably moving said pin on the platform, spring means normally urging the pin in one direction on the platform, said spring means being connected on said pin to prevent rotation thereof with respect to the platform, and means securing said spring means against rotation with respect to the platform.

2,098,847
SHIRT SLEEVE
Alvin J. Wenzel, Michigan City, Ind., assignor to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 10, 1935, Serial No. 15,631
11 Claims. (Cl. 2—125)



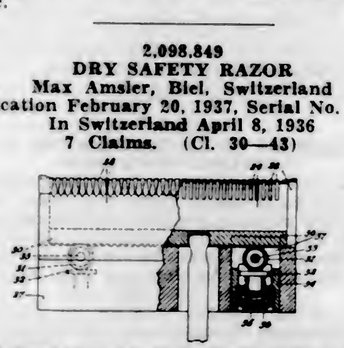
1. A shirt sleeve comprising a generally cylindrical sleeve body having at one end a shoulder edge adapted to be sewn to a shirt body and at the other end a cuff edge, and a cuff having a sleeve edge sewn to the cuff edge of the sleeve, the cuff projecting beyond the cuff edge of the sleeve and of lesser circumferential length than the cuff edge of the sleeve, leaving a gap between the ends of the cuff.

2,098,848
RAILWAY TRACK CIRCUITS
Harold G. Witmer, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 21, 1935, Serial No. 7,602
11 Claims. (Cl. 246—34)



1. In combination with a section of railway track, means supplying a potential across the rails of the section at one end thereof, a track relay and a transformer at the other end of the section, a bridge across the rails of said section comprising the primary winding of said transformer, and a glow discharge tube included in circuit with the secondary winding of said transformer responsive to pass operating current through the winding of the track relay when and only when the section is unoccupied and the potential of current supplied to the secondary winding of said transformer is above a predetermined minimum value whereby said track relay will release more positively due to the interruption of the operating current when a train enters said section and the potential across said secondary winding decreases below said predetermined value.

2,098,849
DRY SAFETY RAZOR
Max Amsler, Biel, Switzerland
Application February 20, 1937, Serial No. 126,917
In Switzerland April 8, 1936
7 Claims. (Cl. 30—43)

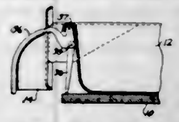


7. A dry safety razor, comprising in combination a stationary shearing comb and a movable shearing comb accommodated within said stationary comb, annular rolling elements interposed between said stationary and movable combs and providing an anti-friction support for said movable comb, pins fixed in one of said combs, one of said pins extending with clearance through each of said annular rolling elements for limiting the rolling movement thereof in both directions.

2,098,850
ICE TRAY RELEASE MECHANISM
Sven W. E. Andersson, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application October 27, 1933, Serial No. 695,398
5 Claims. (Cl. 62—108.5)

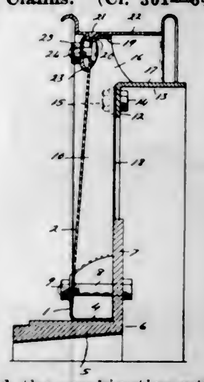
4. The combination with an ice freezing receptacle, adapted to engage a refrigerated support therefor, of a toggle device on the receptacle for breaking an ice bond between the receptacle and such support; said device comprising a pair of levers hinged together and attached to the

receptacle in a manner to engage said support when said receptacle is supported thereon, and means for operating said device comprising a



handle formed integrally with one of said levers for moving said levers toward a straight line position to exert a separating force between said receptacle and support.

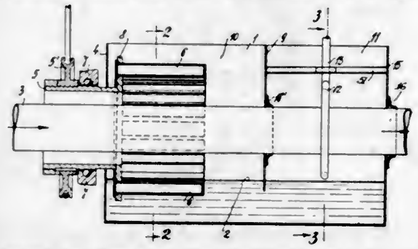
2,098,851
VEHICLE WHEEL
Charles S. Ash, Birmingham, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Original application January 31, 1925, Serial No. 5,998. Divided and this application June 25, 1931, Serial No. 546,881. Renewed July 19, 1933
2 Claims. (Cl. 301—64)



1. In a wheel, the combination with a hub provided with an annular flange projecting therefrom, of a wheel body provided with an axially disposed annular rib on the inner edge thereof adapted to bear against said flange, said wheel body being also provided with axially disposed perforations, the parts of the wheel body adjacent said perforations being bent over to form stiffening ribs, the inner portions of said ribs bearing against said hub flange with fastening bolts passing through said wheel body and said hub flange intermediate of the points of engagement of said wheel body ribs and said hub flange, said bolts holding said wheel body in firm engagement with said hub flange.

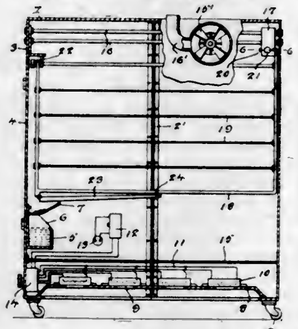
2,098,852
DEVICE FOR HARDENING STRUCTURES PRODUCED FROM HIDE SUBSTANCE
Oskar Walter Becker, Hamburg, Germany, assignor to firm Naturin Gesellschaft mit beschränkter Haftung, Weinheim-B., Germany
Application October 23, 1933, Serial No. 694,904
In Germany July 21, 1933
5 Claims. (Cl. 91—30)

1. A device for hardening artificial sausage skins produced from hide substance, comprising a container, a distillate obtained from cellulose-containing substances in the lower portion of said container, a partition subdividing said container into two chambers, passages in the walls of said container and partition for the entrance, passage and discharge of the sausage skins having the form of an endless tube, rubber packings on said passages in said partition and rear wall of the container, said packings having a cross section smaller than that of the sausage skins, a rotatable scooping device provided with scoops



adapted to dip into the distillate and to pour it onto the sausage skins, and an annular compressed air supplying device in the second chamber of said container, the sausage skins passing through said annular device, said annular device being apertured inside to allow compressed air to flow towards the surface of the sausage skins to insure uniform distribution of the distillate.

2,098,853
CLOTHES DRIER
John A. Billingsley, Dayton, Ohio
Application March 8, 1937, Serial No. 129,743
3 Claims. (Cl. 34—40)

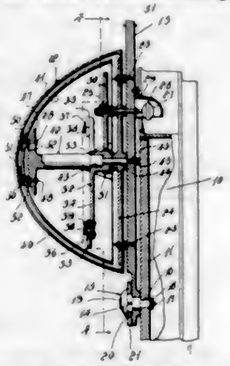


1. A drier comprising a portable cabinet having ventilation openings to permit the circulation of air therethrough and having a doorway, a door for opening and closing said doorway, heating means in said cabinet, a screen overlying the heating means, supporting rods mounted in the cabinet, blocks slidable on said rods, racks detachably secured to said blocks and movable to extend outwardly of the cabinet by way of the doorway, hooks carried by said cabinet and slidably receiving the racks.

2,098,854
AUTOMOBILE THEFT PREVENTER
William H. Blaney, Dallas, Tex.
Application September 10, 1936, Serial No. 100,202
4 Claims. (Cl. 116—61)

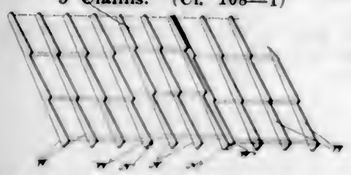
1. A device of the class described comprising a fixed support and a rotatable part surrounding the same, a lever movable in a path in parallelism to the fixed support, an audible signal carried

and supported only by the lever having a part engageable with said rotatable part through operation of the lever, a bolt securing the lever to



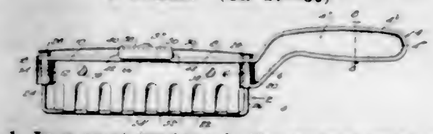
the fixed support, said lever being pivoted on said bolt, an arm held in fixed position by said bolt, and a contractile spring between said lever and said arm.

2,098,855
HOUSE ROOF CONSTRUCTION
Iver M. Brandjord, Helena, Mont.
Application June 11, 1935, Serial No. 25,991
5 Claims. (Cl. 108—1)



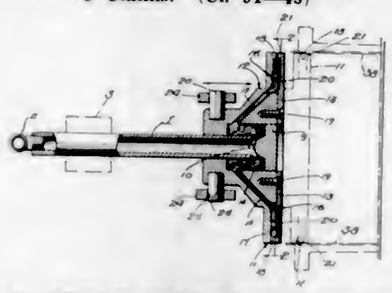
1. In a roof construction, a plurality of groups of inclined rafters, said groups being parallel and each group comprising a plurality of parallel individual rafters, each individual rafter having a series of longitudinal recesses, one end of each recess being deeper than the other and the rafters of alternate groups being of a different width than those of intermediate groups, and a series of rectangular plates disposed in the recesses of the various rafters in overlapping relation at their ends and sides, the plates of said alternate groups being in a common plane below the plates of the remaining groups.

2,098,856
MEAT TENDERER
Joseph E. Bridges, Independence, Mo.
Application May 22, 1937, Serial No. 144,275
3 Claims. (Cl. 17—30)



1. In a meat tender a knife carrier formed of a depending portion, a head and a pair of tubular bearings integral with the ends of said portion, said head being integral with one end of said bearings and formed with openings having their walls registering with the inner faces of the bearings, the width of the head being greater than the thickness of said portion, a horizontally disposed handle member of I-shaped contour in transverse cross section at any point throughout its length and disposed on its lower lengthwise edge, said member including a downwardly inclined forward portion having its forward end integral throughout thereof with one end of said head and one of said bearings, said head forming a flush continuation of the upper lengthwise edge of said member, the lower lengthwise edge of said member being flush with the bottom of the said bearing, and said carrier including a pair of outer lugs and an inner lug, said lugs being arranged in spaced relation, said lugs being integral with the upper face of said head, the pair of outer lugs being of less height than the inner lug, the latter being formed with a threaded socket and disposed at the transverse median of the head.

2,098,857
ADHESIVE APPLYING MECHANISM
Harold Scott Buckingham, Bala-Cynwyd, Pa., assignor to Silver Seal Dairy Products Company, Philadelphia, Pa., a corporation of Delaware
Application November 4, 1936, Serial No. 109,192
8 Claims. (Cl. 91—43)

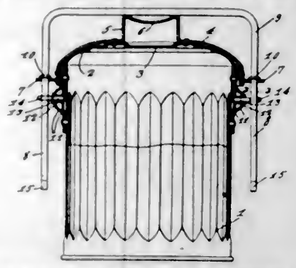


1. An adhesive applying device comprising a reciprocating distributing head having a chamber therein and discharge ports communicating therewith, a relatively fixed feeding tube extending through said head for supplying adhesive to the chamber thereof, and an enlarged piston-like extremity on said tube slidably occupying said chamber, said piston-like extremity being operative in one stroke of each cycle of reciprocation of said head to exert pressure on the adhesive in the chamber and discharge the same outwardly through said discharge ports and in the other stroke to create suction in said chamber tending to withdraw adhesive from the neighborhood or area of said discharge ports.

2,098,858
RECEPTACLE
James W. Busson and George C. Thompson, Los Angeles, Calif.
Application September 4, 1936, Serial No. 99,479
3 Claims. (Cl. 220—38)

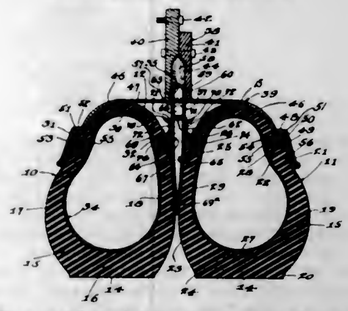
1. A receptacle comprising a body, a cover therefor, a handle for the cover and having a downwardly curved bight portion, means extending from the handle and upon diametrically opposite sides of the cover, with the diametrically extending portions having openings therein, eyed members swivelly mounted to the body upon diametrically opposite sides thereof, a handle for the body normally resting on the bight portion when the cover is in closed position and including arms slidably mounted through the eyed members, stops on the free ends of the arms to limit the

movement thereof with respect to the eyed members, said arms being mounted for slidable movement in the openings of the extending means to



carry the cover for movement thereon to opened and closed positions, and means on the arms to limit the movement of the cover with respect thereto.

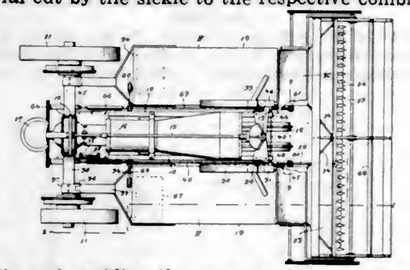
2,098,859
COMBINED FELLY, RIM, AND DUAL PNEUMATIC TIRE STRUCTURE
Placid N. Chiasson, Griggsville, Ill.
Application February 8, 1937, Serial No. 124,770
12 Claims. (Cl. 152—13)



1. In a combined felly rim and dual tire structure, a pair of inner sidewise aligned pneumatic tires including outer shoes and cap members for closing the shoes, carrying means for the tires, and a floating slidable, annular, combined confining, separating and abutment element for and interposed between said tires.

2,098,860
HARVESTER ATTACHMENT FOR TRACTORS
Everette Creech, Camden, Ohio
Application January 16, 1937, Serial No. 120,995
5 Claims. (Cl. 56—21)

5. A harvester attachment for tractors having a body frame provided with front and rear wheels and a power unit upon said frame, comprising combine units arranged at opposite sides of said frame forwardly of the rear wheels, means connecting the units with the tractor for vertical movement, a sickle forwardly of the units and carried thereby, means above the sickle for directing material cut thereby rearwardly in the direction of the said units, means on the tractor and operative upon the units for the raising and lowering of the same together, means operated by the power unit of the tractor for actuating the said combine units and the sickle, a platform between the sickle and the forward ends of said combine units for receiving material cut by the sickle, and a divider between the units at their forward ends on the platform for directing material cut by the sickle to the respective combine

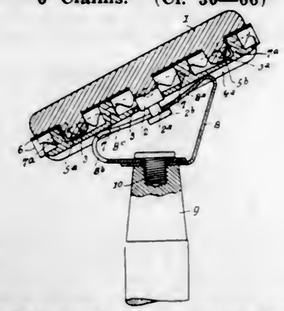


units and avoiding the passage of such cut material onto the tractor.

2,098,861
NITROGEN CONTAINING ORGANIC COMPOUNDS
Miles A. Dahlen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 1, 1935, Serial No. 19,145
6 Claims. (Cl. 260—54)

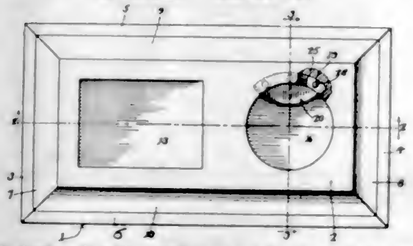
1. A process for producing heterocyclic compounds of the furane series which comprises reacting in the presence of an acid-binding substance a member of the group consisting of furfuryl and hydrofurfuryl amines with a saturated aliphatic acid of 2–4 carbon atoms having one hydrogen attached to carbon replaced by halogen.

2,098,862
SAFETY RAZOR WITH RESILIENT DETACHABLE SUPPORT
Fritz Ebert and Erich Ebert, Koln-Vingst, Germany
Application August 17, 1936, Serial No. 96,450
In Germany March 13, 1935
6 Claims. (Cl. 30—66)



1. A safety razor, comprising in combination a cover plate provided with a centre pin and two side pins on its under side, a guard plate having apertures registering with and adapted to accommodate said pins, a razor blade with three holes adapted to be clamped between said plates, a neck formed on said centre pin, a flange formed on the end of said neck, a resilient support, a concave top arm of said support adapted to bear at its two ends against the under side of said guard plate and having a slot adapted to accommodate said centre pin, the flange at the end of said centre pin bearing against the side of said resilient arm, and a handle carrying said support and adapted to shift the same relatively to said plates to clamp said blade therebetween.

2,098,863
COMBINED CUTTER AND ADVERTISING DEVICE
Richard D. Elliott, Ahoskie, N. C., assignor of one-third to J. Bailey Barnes, Ahoskie, N. C.
Application November 13, 1935, Serial No. 49,601
1 Claim. (Cl. 30—2)



A device for the purpose set forth, a base section, a top section superimposed upon and fixedly secured to the base section, said top section being formed with a vertically disposed opening, the wall of said opening coacting with a part of the upper face of the base section to provide a vertically disposed recess opening at its upper end, the lower portion of the wall of said opening being formed with a rabbet for a part of its length, said rabbet coacting with another part of the upper face of the base section to provide a socket opening into said recess at the bottom of the latter, a cutter mounted in and extended from said socket into said recess, superposed strips within and for spacing the cutter from the top and bottom walls of said socket, and spaced means carried by and extending upwardly from the base section, passing through said cutter and engaging with said strips for anchoring the cutter to said base section.

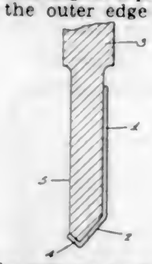
2,098,864
SPUR GEAR
Albert Forster, Milanino, Italy
Application February 24, 1934, Serial No. 712,809
Renewed April 1, 1937. In Switzerland October 2, 1933
21 Claims. (Cl. 74—466)



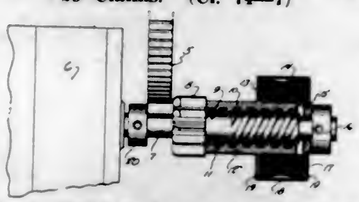
1. In a spur toothed wheel having a centre plane, teeth being asymmetrical with regard to said centre plane and a track on each of said teeth being, when developed in a plane, an uneven line; another, similarly shaped track on each of said teeth, being inverted with regard to said first mentioned track.

2,098,865
ROTARY FILE
Samuel T. Freas, Trenton, N. J., assignor to Henry Disston & Sons, Incorporated, Tacony, Pa., a corporation of Pennsylvania
Application February 12, 1937, Serial No. 125,510
2 Claims. (Cl. 29—78)

1. A rotary file for sharpening beet knives and the like, said file comprising a circular disk blade having in the peripheral portion thereof a radially disposed filing surface, a beveled filing surface adjoining the outer edge of said radial surface and extending at a predetermined angle to the latter, the outer edge of said bevel surface forming the extreme periphery of the blade, and a reversely beveled filing surface extending from said extreme periphery.



2,098,866
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application May 24, 1937, Serial No. 144,347
25 Claims. (Cl. 74—7)



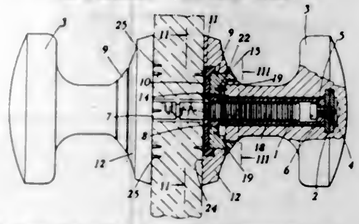
1. In an engine starter: a motor driven shaft; a pinion and a driving connection between the pinion and the shaft by which the pinion is propelled forwardly upon initial rotation of the shaft and rotation is transmitted from the shaft to the pinion, said driving connection including two cooperating spaced members, one of which is fixed to the shaft and the other having a threaded connection with the pinion, but said members having no connection with each other; and an elastically compressible block disposed between said members and arranged to impart an endwise and torsionally yieldable driving connection between said members entirely through frictional engagement of said members with the opposite ends of said elastically compressible block.

2,098,867
DEVICE FOR OVERCOMING STUTTERING
William Baxter Gilsson, Trenton, Tenn.
Application April 16, 1936, Serial No. 74,723
3 Claims. (Cl. 128—137)



1. A device of the character described, comprising a relatively long body of heavy material formed to position in the mouth beneath the tongue and having a forward end adapted to position against the back of the lower front teeth and having a back wall formed to press against the frenum of the tongue, and arm members each extending laterally from the body at the rear thereof and each including an attaching portion which enters the rear face of the body at one side of the frenum, the arms adjacent their outer ends being adapted to position upon the lower teeth of the jaw.

2,098,868
DOOR HANDLE AND LIKE FASTENING
Robert Grimmond, Voorburg, The Hague, Netherlands
Application April 19, 1937, Serial No. 137,874
In Great Britain April 22, 1936
18 Claims. (Cl. 292—353)

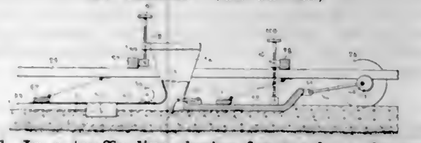


1. A door handle assembly comprising, in combination, a spindle, a recess in the spindle, a socket turnable with the spindle and having at least one apertured side, a handle turnable with the socket, a carrier member turnable on the socket relative to the handle, and spring retaining means anchored to the carrier member and disposed to pass through said apertured side into engagement with said recess under a partial relative turning of the handle and the carrier member and to move out of engagement with said recess and ride on said socket under another partial relative turning of the handle and the carrier member.

2,098,869
ARTIFICIAL RESINS AND METHOD OF MAKING
Jesse Harmon and Frederick M. Meigs, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 17, 1936, Serial No. 85,820. In Switzerland June 20, 1935
8 Claims. (Cl. 260—4)

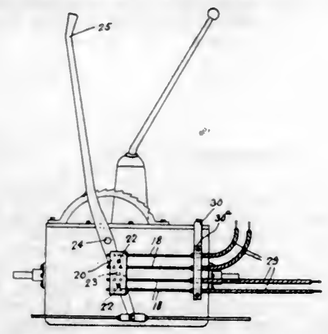
1. Process which comprises adding to a solution of 94 parts of phenol in 50 parts of water over a period of one hour, a solution of 31 parts of methylamine in 162 parts of aqueous 37% formaldehyde, maintaining the temperature of the reaction mixture below 10° C. during the addition, thereafter allowing the temperature of the reaction mixture to rise to 40° C., maintaining the reaction mixture at that temperature until the exothermic reaction is complete, heating at 100° C. until the resinous mass thickens, grinding the cooled brittle resin with water to a slurry, filtering, washing and drying.

2,098,870
ROAD JOINT MACHINE
John N. Heltzel, Warren, Ohio
Application March 12, 1934, Serial No. 715,243
15 Claims. (Cl. 94—45)



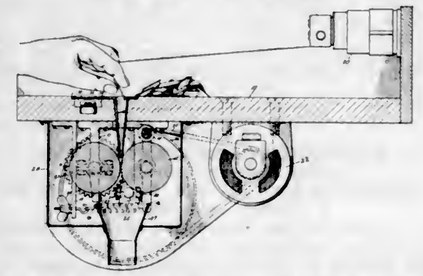
1. In a traffic line device for roads, a depression forming member, a traffic line former behind said depression former, means between the two formers for holding a quantity of traffic line material to be delivered into the depression and molded by said traffic line former, and means acting behind the depression former for roughening the bottom surface of the groove.

2,098,871
AUTOMOBILE DOOR LOCK OPERATING MEANS
James Paris Jones, East St. Louis, Ill.
Application August 24, 1935, Serial No. 37,729
1 Claim. (Cl. 74—501)



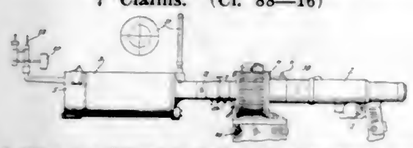
In combination, a brake lever, a support for the brake lever, a clamp block rockably connected to the lower portion of the said lever, said block being divided into a pair of sections, a bracket secured to the said support, a clamp plate secured to the bracket, a plurality of elongated flexible conduits having one end clamped between the clamp plate and the bracket, control wires extending through the conduits and engaged between the sections of the said clamp block, and means for holding the sections of the block in clamping relation with the said wires, one of said sections of the clamp block being provided with a trunnion disposed through an opening in the brake lever, and means on the trunnion preventing return of the trunnion through the said opening.

2,098,872
ELECTRICALLY CONTROLLED COUNTING MECHANISM
Philip G. Krippner, Rudolf J. Heins, and Arnold G. Bur, Green Bay, Wis.
Application October 16, 1933, Serial No. 693,846
3 Claims. (Cl. 235—98)



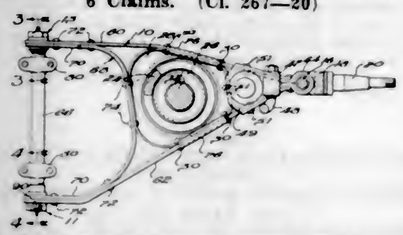
3. In a machine for counting flat articles, a counter, a pair of horizontally exposed rolls lying side by side in opposing relation, a funnel shaped article feeder disposed above said rolls and lying in the plane of the rolls, said feeder having a restricted orifice adapted to feed articles singly and successively between the rolls, said rolls being yieldingly mounted with respect to each other so as to permit the passage of articles between the rolls, and means for actuating the counter upon the passage of articles between the rolls.

2,098,873
TARGET PRACTICING DEVICE
Heinz Küppenbender, Wilhelm Winzenburg, Rudolf Felgner, Oscar Fischer, and Kurt Kaden, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application August 20, 1936, Serial No. 96,912
In Germany August 3, 1935
7 Claims. (Cl. 88—16)



1. In a machine gun camera, a camera proper which has a main operating shaft and a stock with trigger mechanism and having an opening, a readily detachable spring-motor-unit, means detachably securing said unit, as such, in place in co-operative position with relation to said opening in said stock, said unit and said main operating shaft each having engaging power-transmitting elements designed to be brought into operative relation with one another by placement of said unit in position on the stock, and means actuated by said trigger mechanism for controlling the operation of said spring-motor.

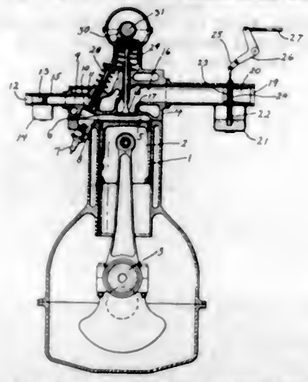
2,098,874
INDIVIDUAL SUSPENSION
John W. Leighton, Port Huron, Mich.
Application November 25, 1935, Serial No. 51,396
6 Claims. (Cl. 267—20)



1. As an article of manufacture, a wishbone for forming a suspension between a vehicle frame and a vehicle wheel comprising divergent leg members and a stiffening strut connecting said leg members at their divergent ends, said legs and strut members being formed of metal stampings.

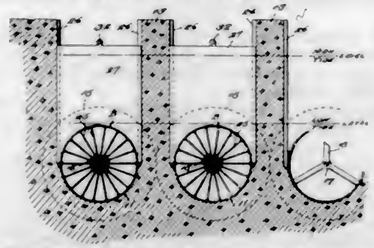
2,098,875
INTERNAL COMBUSTION ENGINE
Marion Mallory, Detroit, Mich.
Application May 29, 1936, Serial No. 82,588
6 Claims. (Cl. 123—75)

1. In an internal combustion engine, a cylinder, a primary combustion chamber having a spark gap located in its lower extremity, a small carburetor communicating with the primary combustion chamber, a secondary combustion chamber with a carburetor connected thereto, said primary combustion chamber and secondary combustion chamber being in constant communication with each other by a port having a higher restriction than the passageway through the small carburetor which communicates with the primary combustion chamber, said small carburetor including means for supplying the primary combustion chamber with a fixed combustible charge that varies only with engine speed, the other carburetor including means for supplying the secondary combustion chamber with a charge of air that varies in volume only with engine speed, means for admitting fuel to the



charge of air in proportion to power demand, and valve means for admitting the charge to the primary combustion chamber and secondary combustion chamber simultaneously.

2,098,876
HYDRAULIC POWER PLANT
John M. Nash, Lakeland, Fla.
Application January 3, 1936, Serial No. 57,421
1 Claim. (Cl. 61—20)

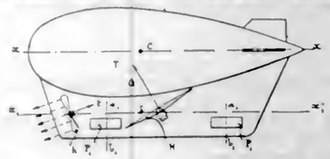


A plant of the character described comprising a vertical wall disposed crosswise of a water-way and having a plurality of spaced vertical straight water courses therein extending throughout the entire thickness of the wall, a series of alternately arranged stationary and rotary cylinders located within said water courses at the bottoms thereof, shafts disposed centrally of said cylinders, water wheels fixed to said shafts within said rotary cylinders and including a hub and blades directed radially from the hub and angularly disposed, directing blades fixed within said stationary cylinders and radially extending from said shafts and disposed at reverse angles to said first mentioned blades, and gate means disposed within the water courses for regulating water flow through said cylinders and the water course above such cylinders.

2,098,877
STABILIZING DEVICE FOR AERIAL NAVIGATION MACHINES
Etienne Edmond Oehmichen, Valentigney, France
Application October 28, 1935, Serial No. 47,173
In France October 31, 1934
4 Claims. (Cl. 244—4)

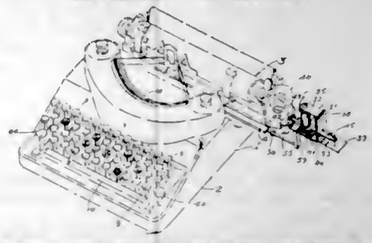
1. In an aircraft of the helicopter type, an air-filled cell having its volumetric center midway its depth at the center of its longitudinal

axis, the center of gravity of the aircraft being spaced downwardly from the said volumetric center, and a lifting screw device located downwardly from the center of gravity whereby for



each horizontal displacement the resistance opposed to such displacement by the ambient air is applied at a point situated close to the center of gravity and below the center of volume of the aircraft.

2,098,878
VARIABLE SPACING MECHANISM FOR TYPEWRITING MACHINES
Charles Clinton Peters, State College, Pa.
Application September 16, 1936, Serial No. 101,156
11 Claims. (Cl. 197—84)



10. In a typewriting machine having a movable carriage and an escapement, a rack bar controlled by said escapement, means connecting said carriage to said rack bar for movement therewith including an auxiliary escapement and mechanism operable to momentarily release said auxiliary escapement and disconnect the carriage from the rack bar to permit movement of the former independently of the latter and the escapement.

2,098,879
ALLOY FOR DENTAL PLATES
Alan Richard Powell, London, England, assignor to Johnson, Matthey & Company, Limited, Hatton Garden, London County, England, a British company
No Drawing. Application January 12, 1937, Serial No. 120,289. In Great Britain February 28, 1936
7 Claims. (75—173)

1. An alloy for dental plates consisting of from 20 to 40% of palladium, from 35 to 65% of silver, from 15 to 30% of copper and from 0.05 to 0.25% of phosphorus, the amounts of silver and copper being present in percentages within 5% above or below the eutectic ratio.

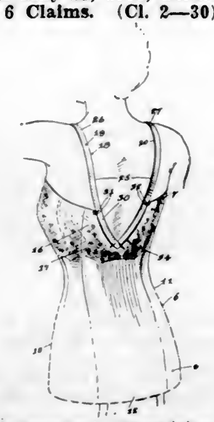
2,098,880
SLED
Lawrence E. Reed, York, Nebr.
Application August 18, 1936, Serial No. 96,669
6 Claims. (Cl. 280—22)

1. In a sled of the class described, a body, flexible runners, front and rear cross bars pivotally connected to said runners, said front bar being fixed to said body, a tie plate secured to said body, said tie plate having a longitudinal slot, an anchoring bolt passing through said slot and rear bar for connecting said body to said rear bar and



permitting longitudinal shift of the rear bar with respect to said body, and means for flexing said runners.

2,098,881
UNDER-GARMENT
Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application May 28, 1936, Serial No. 82,351
6 Claims. (Cl. 2—30)

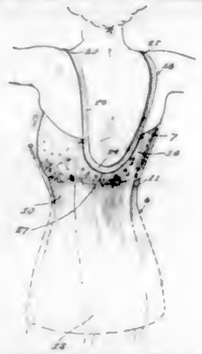


1. An undergarment comprising a body part formed of a front, a back and a pair of sides, said back being formed with a V-shaped notch opening at and adjacent the ends of its top edge, an elastic element formed of a pair of oppositely extending resilient strap-like members having corresponding end terminal portions overlapping and secured together to provide said member with a V-shaped rear stretch, a pair of spaced intermediate stretches forming shoulder suspensions and forward continuations of the sides of said rear stretch and a pair of spaced front stretches forming depending continuations of said intermediate stretches, the lower portion of said rear stretch being positioned in said notch, means for connecting the outer edge of said lower portion with the edge of said notch, means for securing the ends of the lower portion of said rear stretch to said back and means for securing the lower ends of said front stretches to the top of the front of said body part.

2,098,882
UNDER-GARMENT
Philip H. Robbins, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y.
Application May 28, 1936, Serial No. 82,352
4 Claims. (Cl. 2—30)

1. A woman's undergarment comprising a body formed of brassière and a girdle, the front of the brassière being formed at its upper portion with a pair of tapered parts having their apices spaced adjacent to opposed sides of the lengthwise median of the front of said body, the back of the brassière being formed in its top edge with

a cutout providing a notch having its mouth spaced from the ends of said edge, an elastic element of strap-like form including an upstanding U-shaped rear stretch, a pair of intermediate stretches forming shoulder extensions and forward continuations of the sides of the rear stretch and a pair of front stretches forming depending



continuations of the intermediate stretches, the lower portion of said rear stretch extending into said notch, means for connecting the bottom edge of said lower portion of the rear stretch with the edge of said notch, and means for securing the lower end terminal portions of the front stretches to the apices of said tapered parts.

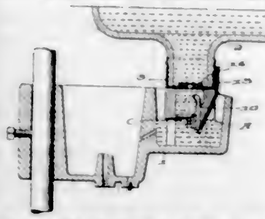
2,098,883

SYNCHRONIZED OIL LEVEL CONTROL

James A. Rook and Clay H. Rook, East Palestine, Ohio

Application May 15, 1934, Serial No. 725,814

6 Claims. (Cl. 137—68)



1. In a constant liquid level control device, a casing, the botom wall of the casing having two openings therethrough the entrances to which are in the same plane, and a valve closure for said openings, said closure having a U-shaped stem one end of which is secured to the bottom wall of the casing and the other end loosely mounted in said closure, said closure and said stem being within the casing.

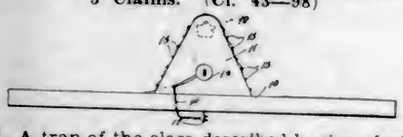
2,098,884

ELECTRIC RAT TRAP

Elbert B. Rousseau, Nashville, Tenn.

Application October 15, 1936, Serial No. 105,791

3 Claims. (Cl. 43—98)



1. A trap of the class described having electric circuit means including electrodes to be bridged by a rodent, one of said electrodes being a screen, over which the rodent is adapted to pass, means for maintaining said screen in a moist condition, comprising a receptacle, and absorbent means in the receptacle in contact with the screen.

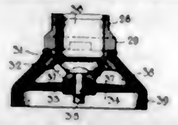
2,098,885

EXHAUST PORT PROTECTOR FOR AIR BRAKES

Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application November 13, 1935, Serial No. 49,626

14 Claims. (Cl. 303—1)



1. A protector for the exhaust ports of air brakes, comprising in combination, two coacting members forming a normally closed, outwardly opening annular valve, one of said members encircling the other, both said members being of resilient deformable material, and so shaped as to be deformed when subject to internal pressure.

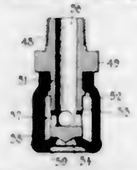
2,098,886

EXHAUST PORT PROTECTOR FOR AIR BRAKES

Lewis A. Safford, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Original application November 13, 1935, Serial No. 49,626. Divided and this application October 20, 1936, Serial No. 106,678

3 Claims. (Cl. 303—1)



1. A protector for the exhaust ports of air brakes, comprising in combination, a central valve seat, and a coacting hollow valve member, subject internally, at least when the valve is closed, to the pressure of discharging pressure fluid, and having an inwardly extending flange which normally enters into engagement with said valve seat to effect closure of the valve, said valve member inclusive of said flange, being of resilient deformable material.

2,098,887

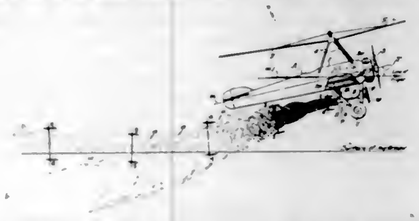
METHOD OF DISTRIBUTING MATERIAL

Henry Y. Satterlee, Morristown, N. J., assignor to Swan-Finch Oil Corporation, New York, N. Y., a corporation of New York

Application June 19, 1937, Serial No. 149,047

6 Claims. (Cl. 244—136)

1. In the art of distributing material from a supply thereof transported by a flying autogiro, the method which comprises passing material from such supply into the slip stream produced by the traction propeller of the autogiro, and utilizing the rotor of said autogiro to produce a pulsating down-draft on the slip stream and the material suspended therein, said rotor serving to flatten the slip stream and said propeller and rotor serving to modify the slip stream containing the suspended material so that such material



diverges from the direction of the autogiro line of flight at the time said material was fed into the slip stream.

2,098,888

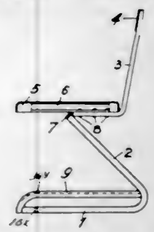
CHAIR CAPABLE OF BEING PILED UP IN A VERTICAL DIRECTION

Friedrich August Schädler, Arbon, Switzerland

Application March 26, 1936, Serial No. 70,985

In Switzerland March 27, 1935

17 Claims. (Cl. 155—2)



7. A chair capable of being piled in a vertical direction comprising legs, a seat and a back, the back being inclined rearwardly to such an extent and the legs inclined laterally outwards to such an extent that the chair can be piled up vertically with others whereby the uppermost chair can be removed upwardly and forwardly from the pile, foot bars and supporting rails secured to said legs, a transverse member between the forward ends of said foot bars, said transverse member being located beneath the front edge of the seat.

2,098,889

SEPARATOR WITH DISCHARGE OF THE CENTRIFUGED SUBSTANCE THROUGH A HOLLOW SPINDLE

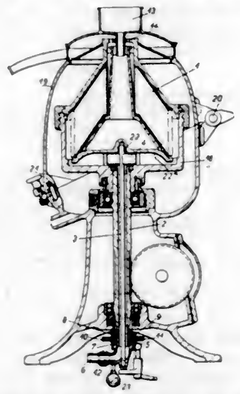
Carl Schmitz, Oelde, Germany

Application April 7, 1934, Serial No. 719,543

In Germany October 25, 1933

1 Claim. (Cl. 233—46)

In a centrifugal separator of the type adapted to continuously discharge two separated components of a liquid mixture to be separated, a drum disposed for rotation about a vertical axis and having a bottom provided with a substantially flat horizontally disposed inner surface and an axial aperture, means for rotating the drum including a hollow spindle secured to the bottom of the drum within said aperture, an inverted dish-shaped partition plate superposed on said inner bottom surface of the drum and substantially co-extensive therewith and dividing the drum into an upper separating space and a lower air-tight liquid receiving chamber communicating with said hollow spindle, channels extending between the heavy component zone of said separating space and said receiving chamber, a stripper axially fixed in said receiving chamber for withdrawing the heavy component from said chamber and operative to deflect said component into said hollow spindle, channels leading from



the separating space for the discharge of the light component and means for regulating the quantity of the light component discharged comprising a conduit secured to the discharge end of said hollow spindle and provided with a regulating valve.

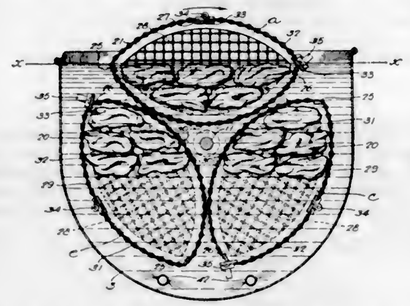
2,098,890

DYEING MACHINE

Joseph Schmitz, Jr., Philadelphia, Pa.

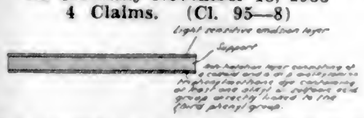
Application February 17, 1934, Serial No. 711,771

2 Claims. (Cl. 8—19)



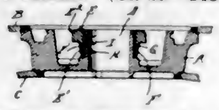
1. In a rotary dyeing machine, a drum comprising a plurality of substantially elliptical containers for respectively receiving material to be dyed, said containers being arranged in fixed relation to each other and to and about the axis of the drum with the shorter dimensions of their elliptical cross sections disposed respectively in planes radiating from the axis of the drum in substantially equiangular spaced relation to each other, and the outer semi-elliptical walls of said containers disposed in circular planes forming segments of a circle having its center coincident with the axis of the drum, and the inner semi-elliptical walls of the containers disposed in single continuous circular planes in arcs struck from centers outside the periphery of the drum with said inner walls substantially tangentially arranged one to the other adjacent the axis of the drum.

2,098,891
PHOTOGRAPHIC MATERIAL
Wilhelm Schneider, Dessau in Anhalt, and Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application November 16, 1934, Serial No. 753,390
In Germany November 18, 1933
4 Claims. (Cl. 95—8)



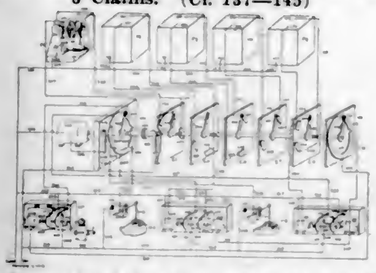
1. A photographic material comprising attached to each other a support, a light-sensitive emulsion layer and a layer comprising a colloid and a di-p-dialkylaminotriphenylmethane dye containing at least one alkyl-ω-sulfonic acid group directly linked to the third phenyl group.

2,098,892
TAP BUSH AND METHOD OF FORMING THE SAME
Claude Sintz, Detroit, Mich.
Application October 16, 1933, Serial No. 693,843
6 Claims. (Cl. 29—148.2)



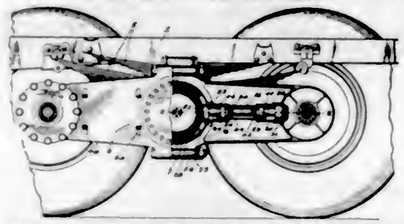
4. The method of forming tap bushes which consists in separately forging the body portion of the bush and a switch therefor, said body portion being provided with a central tubular stem and said switch being integral with a sleeve for surrounding said stem having internal longitudinally extending serrations, extruding said tubular stem to form outwardly extending teeth for engaging and fitting said serrations, and pressing said switch upon said body portion.

2,098,893
AUTOMATIC MULTIPLE VALVE CONTROL
Eugene Staegemann, deceased, late of Allendale, N. J., by Jessie L. Staegemann, administratrix, Allendale, N. J., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application September 3, 1936, Serial No. 99,324
8 Claims. (Cl. 137—145)



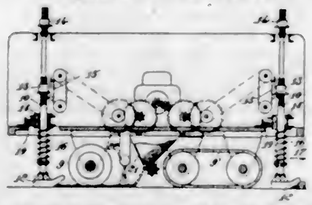
1. A coordinated valve operation and automatic control system comprising a plurality of conduit valves, individual fluid pressure devices for operating said valves, individual pilot valves actuating said fluid pressure devices, individual electrical motor means for operating each of said pilot valves, electrical circuits for energizing said motors, individual circuit making and breaking switch means for each of said motor circuits, actuating means for each of said switches arranged on a shaft, a master control motor for rotating said shaft and switch actuating means to make and break said electrical circuits, a circuit making and breaking control rotor on said shaft with electrical circuit connections for energizing and deenergizing said master control motor to rotate said shaft and switch means in electrical series with said master control rotor for starting said master control motor.

2,098,894
REAR WHEEL SUPPORT FOR A MOTOR VEHICLE
Hubertus Josephus van Doorne, Deurne, and Pieter Herman van der Trappen, Breda, Netherlands
Application September 26, 1935, Serial No. 42,360
In the Netherlands September 29, 1934
5 Claims. (Cl. 180—22)



1. Means for transforming a motor vehicle having a conventional axle housing and having a driven wheeled axle journaled therein into a motor tractor having a plurality of driven road wheels at each side of the vehicle, comprising preformed carrier means having a portion adapted to be fixedly secured to the ends of the axle housing when the axle wheels are removed; said carrier means having bearing surfaces coaxial with said housing; reinforcing means connecting said portion and surfaces; rocking members journaled on the bearing surfaces; road wheels carried by the respective rocking members adjacent their ends; driving members adapted to be mounted on the ends of the axle; and means for driving the road wheels from the driving members.

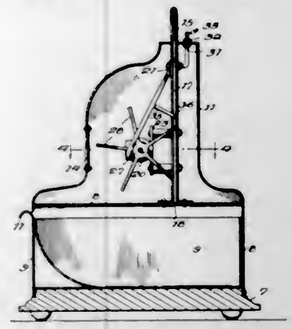
2,098,895
TAMPING MACHINE
Wilhelm Lothar Velten, Neustadt a. d. Haardt, Germany
Application April 4, 1935, Serial No. 14,674
In Germany June 14, 1934
3 Claims. (Cl. 94—49)



1. A machine for compressing the ground and building tracks of all kinds comprising in combination, a self-propelled vehicle frame mounted on wheels, a transverse row of rams carried by the frame and extending beyond the wheel track, each ram including a ram-rod, a runner-like

shoe on the lower end of said ram-rod and means for timing the operation of the individual ram-rods in said row including an abutment vertically adjustable on each ram-rod, a chain drive in proximity to said abutment, an adjustable catch on said chain cooperating with said abutment to periodically lift said ram-rod to a height determined by the adjustment of said abutment, a guide on the frame for vertically guiding said ram-rod and a spring on said ram-rod bearing against said guide, said spring adapted to be compressed during the upward movement of said ram-rod and effect the downward movement thereof.

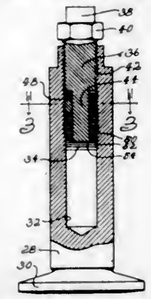
2,098,896
SALES TAX REGISTER
Charles H. Whitacre, Morgantown, W. Va.
Application July 1, 1935, Serial No. 29,358
1 Claim. (Cl. 235—100)



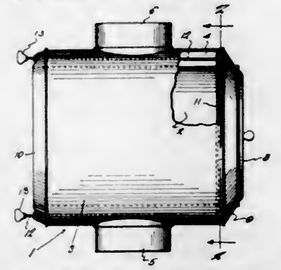
A register including a housing provided with a coin chute, a wheel rotatably mounted in the housing, the wheel including spokes the free terminals of which project into the coin chute, a bar one end of which issues into a resilient plate attached to the chute, the opposite end being in yieldable engagement with said wheel to normally secure the latter from movement, a member on the bar extending into the chute to be engaged by a coin passing through said chute to release the bar from engagement with said wheel, and means driven by the wheel to register when the wheel moves under the weight of the coin.

2,098,897
VALVE TAPPET
Henry Halld Zeder, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Detroit, Mich., a corporation of Ohio
Application September 11, 1935, Serial No. 40,009
5 Claims. (Cl. 123—90)

1. A valve tappet comprising a main body part having a valve engaging portion at one end and including a reduced opposite end portion of out-of-round cross section and an intermediate externally threaded cylindrical portion having a continuous and uninterrupted annular shoulder adjacent said reduced end portion, the threads of said intermediate portion extending to and completely throughout the periphery of said shoulder, an externally threaded locking member having a central out-of-round passage corresponding in cross section with the cross section of said reduced end portion and slidably mounted on the latter, said locking member having a continuous extremity adjacent said shoulder of said body part and the threads thereof being circumferentially continuous adjacent said extremity, an abutment on the end of said reduced end portion remote from said shoulder, and a compression spring bearing between said abutment and said locking member for urging said extremity thereof toward said shoulder, the leading and trailing end portions of the threads on said intermediate portion and locking member respectively being non-complementary and out of registration with each other when said shoulder and said extremity of said locking member are engaged together.



2,098,898
FLUE OVEN CLEANER
Frank J. Ayers, Piedmont, S. C.
Application December 14, 1936, Serial No. 115,857
1 Claim. (Cl. 126—17)

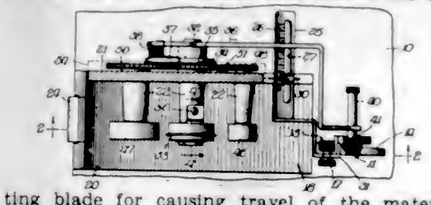


In a flue oven of the type including spaced inner and outer cylinders providing an annular chamber, end walls closing the space between said cylinders at the ends thereof, one of said end walls having openings in diametrically opposite portions thereof, bearings fixed on said one end wall in alignment with the openings, a substantially flat metallic ring mounted for reciprocation in the annular chamber and adapted to remove accumulations from the walls thereof, rods fixed on diametrically opposite portions of said ring and projecting at right angles therefrom, said rods extending slidably through the bearings, and operating knobs fixed on the outer ends of the rods.

2,098,899
OPERATING SEAM CUTTER
Sarah M. Crewdson, Chicago, Ill., assignor of one-third to Robert H. Goodhart, Chicago, Ill.
Application September 12, 1934, Serial No. 743,642
Renewed April 5, 1937
7 Claims. (Cl. 112—124)

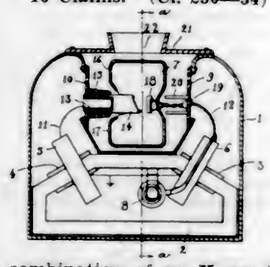
1. An attachment for sewing machines comprising a frame member rotatably mounting a cutting blade, means operatively connecting said blade with a movable element of the sewing machine whereby said blade is rotated by the action of the machine, rollers journalled by the

frame member, and means for rotating said rollers at a speed to conform with that of the cut-



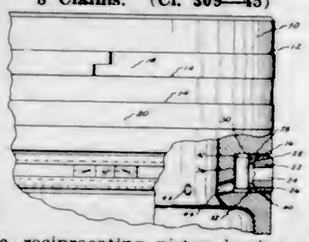
ting blade for causing travel of the material with respect thereto.

2,098,900
X-RAY APPARATUS
Samuel Hirsch, New York, N. Y.
Application January 12, 1933, Serial No. 651,316
10 Claims. (Cl. 250—34)



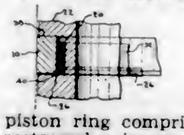
1. The combination of an X-ray tube and a transformer housing provided with an outwardly extending hollow portion, a high tension transformer located in said housing and insulated connections from it to the electrodes of the said X-ray tube, insulating and cooling material filling said housing and said extending hollow portion, said X-ray tube being outside of said housing and provided with an electrode having a metal-to-glass joint hollowed out beyond the said metal-to-glass joint of said electrode and fitting over the said hollow extending portion for the purpose of cooling the said metal-to-glass joint and the said electrode.

2,098,901
PISTON RING
Fredrick A. Luthy, Jackson, Mich.
Application May 14, 1936, Serial No. 79,692
8 Claims. (Cl. 309—45)



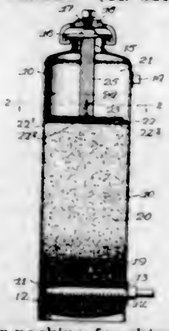
1. In a reciprocating piston having a ported ring groove, an oil ring for said piston comprising a split outer ring section located in said groove adapted to be radially expanded therein, said outer ring section having ports centrally disposed and circumferentially spaced therein, a pair of split inner sealing ring sections located within said groove for engagement with the inner periphery of said outer section, the combined width of said inner sealing sections being less than the width of said outer section, an expander spring engaging with said inner sealing sections, the construction of the engaging surfaces of said inner and outer ring sections being characterized by the fact that said inner sealing sections are moved axially in opposite directions into sealing engagement with opposite sides of said groove under the expanding action of said spring, the axial movement of said inner sealing sections disposing the same in an unobstructing position with reference to the ported areas of said outer ring section and the passage of oil between said areas and the port of said groove.

2,098,902
PISTON RING
Fredrick A. Luthy, Jackson, Mich.
Application November 12, 1936, Serial No. 110,447
1 Claim. (Cl. 309—27)



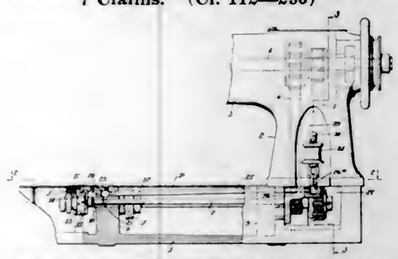
A multipart piston ring comprising an outer ring generally rectangular in cross-section and having an inner edge thereof chamfered to provide a face inclined to the axis of said outer ring, a sealing ring in the form of a relatively small wire, a relatively flat expanding spring member of substantially greater longitudinal dimension than said sealing ring and approximating the longitudinal dimension of said outer ring, said sealing ring being fixed to said spring member along one edge thereof and adapted to be positioned thereby for engagement with said chamfered edge.

2,098,903
RETAINING MEANS FOR LOOSE AGGREGATES
Kemper Slidell, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 31, 1935, Serial No. 57,024
3 Claims. (Cl. 210—24)



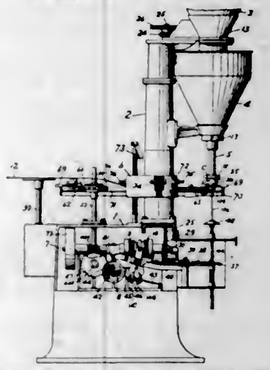
1. Means for packing for shipment a container having loose aggregate material therein partially filling the same and having an opening above the surface of said material, said opening being of smaller dimensions than the internal dimensions of said container, comprising a collapsible partition in said container and a compression member confined between said partition and an inner wall of said container for pressing said partition against said material, said partition and said compression member being insertable through said opening of said container.

2,098,904
LUBRICATING MEANS FOR SEWING MACHINES
Max L. Waterman, Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application July 18, 1935, Serial No. 31,955
7 Claims. (Cl. 112—256)



1. A sewing machine comprising a bed, a standard secured thereto and provided in its forward wall with an open face cavity, a loop-taker shaft journaled in the bed, a loop-taker secured to said shaft and provided with a bobbin-case raceway, and means for supplying lubricant to said raceway comprising a sight-feed oil-cup supported by said bed and located within said cavity and conduit means connecting said oil-cup with said raceway.

2,098,905
POWDER FILLING MACHINE
Charles J. Westin and Albert Donaghy, Sr., Philadelphia, Pa., assignors to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 12, 1934, Serial No. 748,047
Renewed September 28, 1937
10 Claims. (Cl. 226—99)

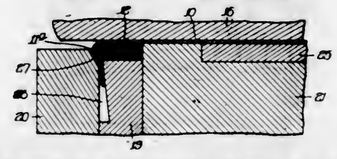


1. In a powder-packing machine, the combination of, a conveyor for intermittently moving a plurality of cans to be filled, a plurality of holders horizontally fixed to said conveyor, a plurality of cups in said holders mounted for limited vertical movement, a guide rail adjacent to said conveyor, means on each of said holders for movably supporting said holders on said guide rail, and means for lifting each of said cups in succession during the filling operation.

7. In a can-filling machine, a hopper for containing powder to be fed, an auger for feeding powder from said hopper, a drive-shaft for driving the moving parts of said machine, connections between said drive-shaft and said auger, a clutch controlling the connection of said connections to said drive-shaft, a brake for stopping said connections and said drive-shaft upon disconnection of said clutch, a clutch-lever actuating said clutch and said brake in interlocking relation, a cam driven from said drive-shaft, a spring stressing said clutch-lever against said cam, a no-can no-fill device located so as to be actuated by the cans to be filled, a clutch-controlling lever actuated by said no-can no-fill device and located so as to be movable into and out of a portion of the path of said clutch-lever thereby controlling the movement of said clutch-lever towards and away from said cam in response to the position of said no-can no-fill device, and means for moving said clutch-controlling lever in the opposite direction to that caused by said no-can no-fill device to free said clutch-lever from the control of said clutch-controlling lever.

8. In a can-filling machine, a hopper for containing powder to be fed, an outlet for powder for said hopper, first means for feeding powder from said hopper through said outlet, a conveyor for conveying a plurality of cans to be filled with said powder adjacent said outlet, and second means operating simultaneously with said first means for lifting each of said cans in succession from said conveyor so as to hold the lifted can adjacent to but spaced from said outlet during the initial part of said lifting so as to provide an outlet for air from said can and for lifting said lifted can into contact with said outlet during a latter part of the lifting of said can.

2,098,906
METHOD OF MAKING CLOSURE CAPS
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application December 1, 1933, Serial No. 700,417
15 Claims. (Cl. 113—80)

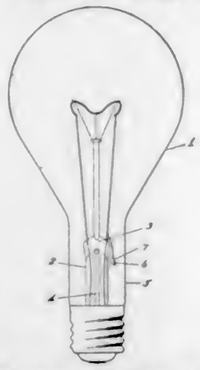


1. A method for making a closure cap for packing vessels which comprises providing a shell having a top portion and a peripheral skirt depending therefrom, providing a gasket which is made of plastic sealing material and is smaller in diameter than the internal diameter of the skirt, inserting the gasket within the compass of the skirt, squeezing the plastic gasket against the top of the shell and thereby increasing the circumferential size of the gasket, and contracting a portion of the skirt below the gasket to a size less than the circumferential size of the gasket.

2,098,907
INCANDESCENT ELECTRIC LAMP AND METHOD OF MANUFACTURE THEREOF
Rolland M. Zabel, Lynnfield, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 31, 1936, Serial No. 71,834
9 Claims. (Cl. 176—2)

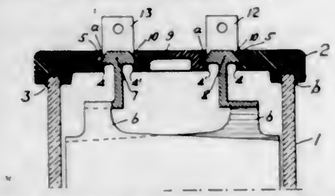
1. The method of making an incandescent electric lamp whereby its luminous output is maintained during life, which includes the steps of, applying to the interior surface of a lamp bulb a thin transparent coating consisting of a water bearing anti-discoloration material, fixing to a

lamp mount a getter consisting of a material which in its oxide form has a high affinity for water vapor, sealing said lamp bulb to the stem bearing said mount, subjecting the lamp to an



exhaust schedule comprising successive flushings and exhaustions, then oxidizing the material, continuing the schedule, and then sealing-off the lamp.

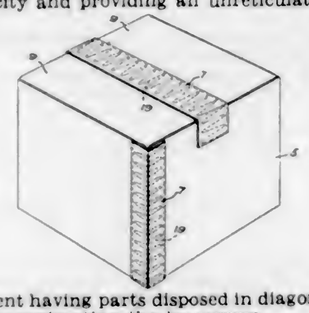
2,098,908
STORAGE BATTERY
Cornelius Ambruster, Glenside, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application March 27, 1936, Serial No. 71,269
5 Claims. (Cl. 136—80)



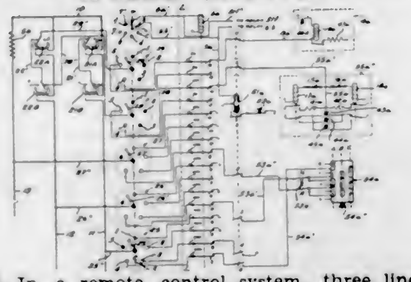
1. For a storage battery cell including plate groups and a rectangular container, a cover and a plate support comprising metal straps spaced inward from the side walls of the container and from which the plate groups are suspended, a rectangular frame of insulating material on the top rim of the container and having marginal portions extending inward from the sides of the container to the straps to provide with the straps a part of the cover, said frame underlying the ends of the straps to support them and the weight of the plate group in line with the end walls of the receptacle, and insulation filling the space between the straps to complete the receptacle cover.

2,098,909
BOX STAY
Edward H. Angier, Framingham, Mass., assignor to Edward H. Angier, Framingham, Mass., as trustee
Application August 8, 1935, Serial No. 35,299
1 Claim. (Cl. 229—49)

A stay strip for adhesive application along box corners and for like purposes comprising two ribbon-like strips of paper united by adhesive and having between them and received in said adhesive between their longitudinal edges a substantially single reinforcing strand disposed along the length of the tape in a zigzag of rapid periodicity and providing an unreticulated reinforcement having parts disposed in diagonal positions approximating the transverse.

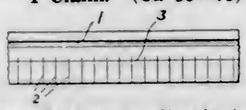


2,098,910
REMOTE CONTROL SYSTEM
Eli J. Blake, Haddonfield, N. J.; Elsie A. Blake, executrix of said Eli J. Blake, deceased
Application July 26, 1933, Serial No. 682,229
38 Claims. (Cl. 246—3)



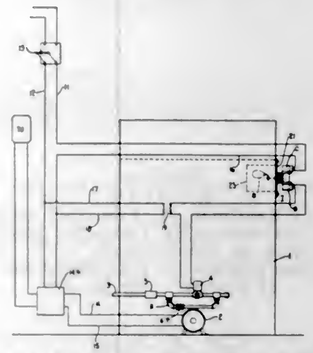
1. In a remote control system, three lines, means including a source of current for impressing current of different characteristics simultaneously on each line and means for selecting the impressed current characteristics in accordance with a code involving successive impulses and a combination of current characteristics on each line in each impulse.

2,098,911
GOODYEAR WELT
William Brown, Quakertown, Pa., assignor to McAdoo & Allen Welting Company, Quakertown, Pa., a partnership consisting of William McAdoo, Jr., Henry M. McAdoo, and George H. Allen.
Application March 3, 1937, Serial No. 128,735
1 Claim. (Cl. 36—78)



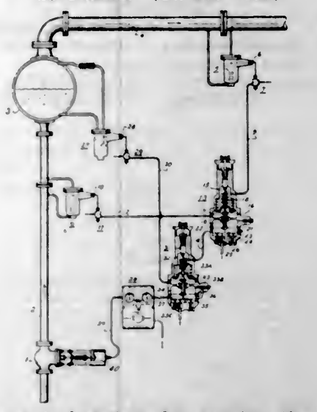
A unitary Goodyear welt adapted to be cemented to an outsole and provided on its flesh side with a series of spaced crosswise ranging slashes extending inward from its outside edge and stopping short of its stitch groove and provided to a uniform depth with a slash ranging lengthwise of the welt and undercut toward the stitch groove and intersecting the first mentioned slashes, and which reduces the fibrous density of the stock of the welt and opposes shearing at the cement.

2,098,912
CONTROL DEVICE FOR HEATING SYSTEMS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application April 22, 1935, Serial No. 17,631
8 Claims. (Cl. 122—448)



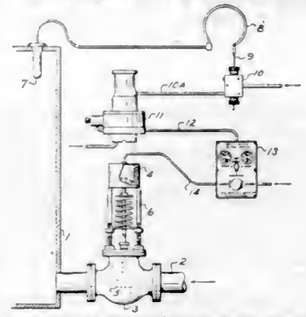
4. In a heating system having a boiler adapted to contain water and a heating means for the boiler, means operable upon a decrease in the level of the water in the boiler below a predetermined level for supplying water thereto, and means operable upon a decrease in the level of the water below said predetermined level for discontinuing both the supplying of heat and the supplying of water to the boiler.

2,098,913
CONTROL SYSTEM
Paul S. Dickey, Cleveland, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application February 25, 1935, Serial No. 8,023
25 Claims. (Cl. 122—451)



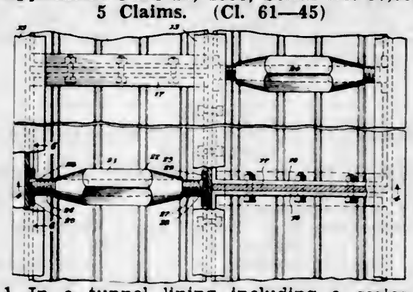
21. A control system for varying the rate of application of an agent to maintain a condition at a desired value, comprising in combination, means for establishing a first fluid pressure in accordance with the rate of application of the agent, means for establishing a second fluid pressure in accordance with the magnitude of the condition, means under the control of the first fluid pressure to maintain the rate of application of the agent constant, and means under the control of the second fluid pressure for varying the constant rate of application maintained by said first fluid pressure.

2,098,914
CONTROL SYSTEM
Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application February 25, 1935, Serial No. 8,047
11 Claims. (Cl. 50—10)



1. In a control system, in combination, a fluid pressure conduit, valve means having a neutral position and in said conduit to control the magnitude of the pressure in that portion of the conduit beyond said valve means, means for displacing said valve means from the neutral position to admit pressure fluid to that portion of said conduit beyond said valve means upon departure of a condition to be controlled in one direction from a predetermined value and for displacing said valve means from the neutral position to discharge pressure fluid from that portion of said conduit beyond said valve means upon departure of the condition in opposite direction from the predetermined value, means for restoring the valve to the neutral position controlled by the pressure of the fluid within that portion of said conduit beyond said valve means, and means controlled by the pressure of the fluid within that portion of the conduit beyond said valve means for preventing the valve from remaining in neutral position until the condition attains a predetermined value.

2,098,915
TUNNEL LINING
Anthony Foukal, Cleveland, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application June 24, 1936, Serial No. 87,089
5 Claims. (Cl. 61—45)



1. In a tunnel lining including a series of courses of liner plates, and circumferential load-

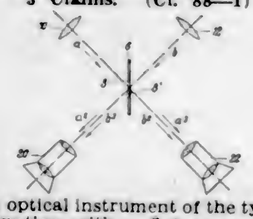
bearing members between the courses, thrust-resisting members permanently mounted between adjacent plates in each course, the ends of the said members being in abutting relation with the circumferential load-bearing members.

2,098,916
TYPOGRAPHICAL MATRIX
Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application July 8, 1937, Serial No. 152,643
7 Claims. (Cl. 199—49)



1. A matrix for use in a typographical machine having slug casting means presenting a constant datum line and means for alining matrices at different unequally spaced heights relatively to said datum line, said matrix having type forming characters thereon the datum lines of which are located at different unequally spaced heights corresponding respectively to the heights at which the matrices are alined by said alining means.

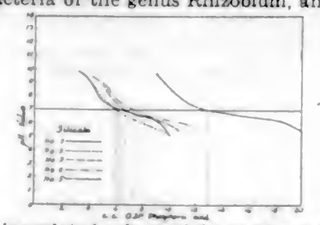
2,098,917
OPTICAL INSTRUMENT
Wolfgang Günther, Berlin-Friedenau, Germany, assignor to Askania-Werke A. G., vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application September 21, 1936, Serial No. 101,826
In Germany September 20, 1935
3 Claims. (Cl. 88—1)



1. In an optical instrument of the type set forth the combination with a flat screen adapted to reflect about one half of the light rays thrown thereupon and allowing the other half to pass therethrough, of two objectives of equal focal length symmetrically arranged relatively to said screen for cooperation therewith in such manner, that the bundles of light rays issuing from said objectives intersect at said screen under equal angles thereto, and two eye pieces symmetrically arranged relatively to said screen for cooperation therewith and with said objectives, in such manner, that the optical paths of travel of the two bundles of light rays passing from the objectives to the eye pieces are of equal length.

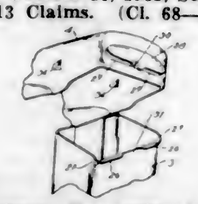
2,098,918
BACTERIA CULTURE AND PRODUCTION THEREOF
Adolph A. Hendrickson, Oak Park, Ill., assignor to The Albert Dickinson Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1934, Serial No. 725,587
4 Claims. (Cl. 195—59)

1. The improvement in the art of producing bacteria cultures for seed inoculation which consists in preparing silicate gels having a silicon-dioxide molecular concentration of from 0.1 to 0.5 mol. per liter and containing the essential elements for microbial growth, inoculating said gels with bacteria of the genus Rhizobium, and nurs-



ing the inoculated gels until development thereon of an organism of said bacteria in the form of a film.

2,098,919
WRINGER
Walter L. Kauffman II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 16, 1935, Serial No. 45,280
13 Claims. (Cl. 68—32)



1. In a wringer, the combination of a frame comprising hollow metal stiles, one of the stiles at least having a lip bent outwardly from the top of the stile to form a shoulder, the lip having a web at its edges joining the wall of the stile with the lip; and a top bar having a downwardly extending end wall overlapping the outer face of the stile and having a shoulder engaging the under side of the lip.

2,098,920
WRINGER
Walter L. Kauffman II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application October 16, 1935, Serial No. 45,281
7 Claims. (Cl. 68—32)

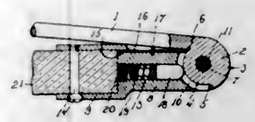


1. In a wringer, the combination of a frame comprising hollow metal stiles, one of the stiles at least having a dual stabbing with a bridge portion between the stabbings, said stabbings forming a shoulder each side of the bridge; and a top bar having a downwardly extending end wall overlapping the outer face of the stile and having an interlocking means engaging the shoulders.

2,098,921
SPECTACLE JOINT
Gurney Lee Mandaville, Fort Pierce, Fla.
Application May 8, 1935, Serial No. 20,491
10 Claims. (Cl. 88—53)

2. In spectacles, an end piece, means to secure the same to a lens, a temple hingedly connected

to said end piece, combined with means for limiting the unfolding movement of the temple to a normal position for use, said temple having a



seat and a yieldable stop member carried by said end piece for engaging said seat to limit the folding movement of the temple.

2,098,922
APPARATUS FOR MAKING CABLE
Edgar W. McKnight, Bayonne, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application January 8, 1934, Serial No. 705,793
15 Claims. (Cl. 117—20)



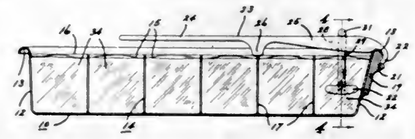
1. Apparatus for manufacturing compact cable having a core and a plurality of overlying layers of helically laid wires initially having shapes such that deep valleys exist therebetween, which comprises, in combination, means for moving the core lengthwise, a plurality of stranding units for successively applying overlying layers of helically laid wires about the moving core, and means for compressing and altering the shapes of the wires of each layer, layer by layer to substantially eliminate deep valleys from the layer surface before the next layer is applied, said last mentioned means comprising sets of grooved rolls, each set forming a pass with a continuous periphery.

2,098,923
PROCESS OF PREPARING AMINOACETIC ACID
Edwin T. Mertz, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 15, 1937, Serial No. 125,929
6 Claims. (Cl. 260—119)

2. The process of preparing aminoacetic acid which comprises subjecting the neck ligaments of cattle to acid hydrolysis and recovering aminoacetic acid from the hydrolyzate.

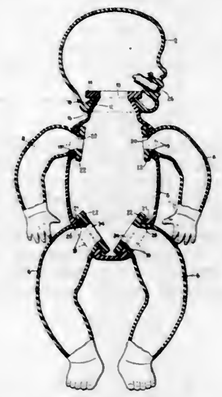
2,098,924
REFRIGERATING APPARATUS
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 27, 1936, Serial No. 82,098
6 Claims. (Cl. 62—108.5)

1. In combination, a relatively shallow tray of the type adapted to be inserted in or placed on a cooling element of a household refrigerating apparatus and adapted to contain a substance to be frozen, a unitary grid structure within said tray dividing the interior thereof into a plurality of molds, a member embedded in the frozen substance within one of said molds and having a portion thereof extending outwardly therefrom, means for removing the frozen substance together with said grid structure from said tray, said means including a lever having a handle portion and an end portion pivotally engaging a por-



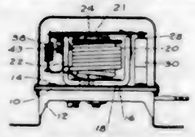
tion of said tray, said lever having a portion intermediate the handle and said end portions thereof attached to said extending portion of said member, and said lever being adapted when moved about its pivotal engagement with said tray to pry said grid structure and the frozen substance from the tray.

2,098,925
DOLL
Edward G. Schaeffer, Brooklyn, N. Y., assignor to American Character Doll Co., Inc., New York, N. Y., a corporation of New York
Application June 25, 1936, Serial No. 87,135
2 Claims. (Cl. 46—117)



1. A hollow non-collapsible doll molded from resilient material of which the interior of the body, head, arms and legs, are in free open intercommunication with each other through movable joints and coact to form a single air reservoir of the capacity of the entire doll, said doll having substantially its entire exposed surface formed of thin walled molded rubber and thus capable of being squeezed at any portion thereof to place the body of contained air therein under pressure different from the external atmospheric pressure, the head being fashioned to provide a constricted opening at the mouth, and an air pressure actuated sound producing device mounted in the head with its rear end exposed to the pressure in the air reservoir and outer end supported by the face portion and concealed from view back of the mouth and disposed to discharge sound through the mouth whereby squeezing any part of the doll will cause sound to emanate from the doll's mouth.

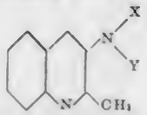
2,098,926
ELECTROMAGNET
William G. Schneider, Maumee, Ohio, assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application February 2, 1934, Serial No. 709,491
7 Claims. (Cl. 200—87)



1. In a device of the character disclosed, the combination of a magnetic core; an energizing coil thereon; a magnetic member having portions extending across one end of said core and along opposite sides thereof; a movable armature co-acting with said core and substantially bridging the side portions of said magnetic member; a bracket having a slot therein and a lateral end projecting portion; a thermo-responsive member secured at one end to said bracket and at the other end to said armature acting as a hinge for connecting said bracket to said armature; a coil spring secured at one end to said armature and at its other end to the lateral projecting portion of said bracket; and means on one side portion of said magnetic member cooperating with the slot in said bracket for adjustably securing said bracket to one of the side portions of said magnetic member and thereby adjustably positioning the armature with respect to said core, the thermo-responsive hinge being arranged to move the armature with respect to said core upon variations of temperature to compensate for changes in the electrical resistance of the coil.

2,098,927
3-AMINO-QUINALDINE DERIVATIVES AND A PROCESS OF PREPARING THEM
Ludwig Schörnig, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1935, Serial No. 35,670. In Germany August 16, 1934
9 Claims. (Cl. 260—38)

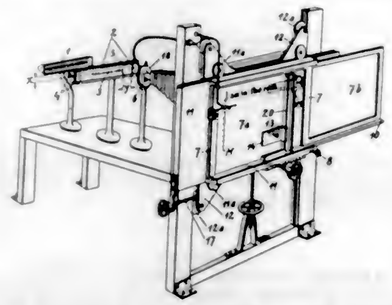
6. The compounds of the general formula:



wherein X means a member of the group consisting of hydrogen and methyl and Y means a member of the group consisting of methyl and phenyl.

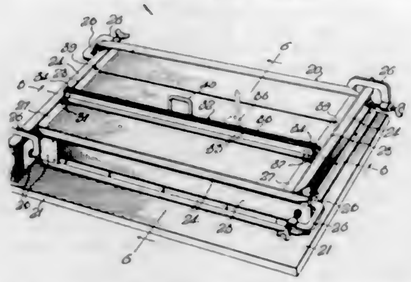
2,098,928
JUSTIFICATION OF LINES OF TYPE MATTER IN PHOTOTYPE COMPOSING
Lajos Wenczler, Augsburg, Germany, assignor to Uhertype Aktiengesellschaft, Glarus, Switzerland, a corporation of Switzerland
Application May 27, 1935, Serial No. 23,597
In Great Britain May 28, 1934
8 Claims. (Cl. 95—4.5)

1. In photographic type-composing, the method of justifying the non-justified lines of type-matter to be photographically reproduced, which comprises separately exposing each individual element or part of the pattern line in a reproduction camera while at the same time masking all the other parts of said line, and advancing between each two successive exposures the carrier of the sensitized layer a distance corresponding



to the amount by which the spacing between consecutive type-matter must be varied so as to obtain the required length of line.

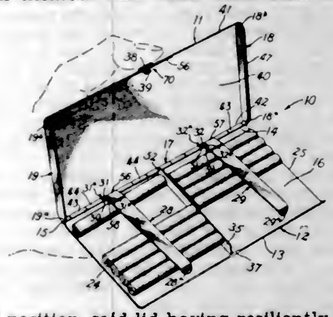
2,098,929
BLOCK OR SLAB MOLDING MEANS AND METHOD
George L. Barnes, Terre Haute, Ind.
Application August 11, 1936, Serial No. 95,457
7 Claims. (Cl. 25—121)



1. A mold comprising a marginal frame, at least one vertical partition plate extending across said frame, the upper edge of said partition plate being disposed below the upper edge of said frame, whereby the material being molded may extend over said upper edge of said partition plate, and means for accurately guiding a tool for cutting the material down to said edge of said partition plate for the purpose set forth.

2,098,930
CIGARETTE CASE CONSTRUCTION
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application May 4, 1935, Serial No. 19,797
1 Claim. (Cl. 206—41)

A cigarette case having a length sufficient to receive two groups of cigarettes, arranged longitudinally of the case, said case comprising a bottom member having end walls, and a lid hinged to one side of the bottom member and having a central partition for separating the groups of cigarettes, the lid being generally flat and without end walls, whereby the cigarettes may be removed by longitudinal movement from said lid, the ends of the lid being adapted to contact said bottom member end walls when said lid is in



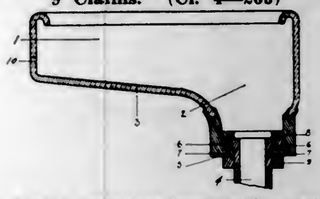
closed position, said lid having resiliently pressed means removably retaining the cigarettes.

2,098,931
TWISTING MACHINE
Irving R. Rowe and Edward E. Bradley, Stonington, Conn., assignors to The Atwood Machine Company, Stonington, Conn., a corporation of New Jersey
Application October 3, 1935, Serial No. 43,340
6 Claims. (Cl. 117—29)



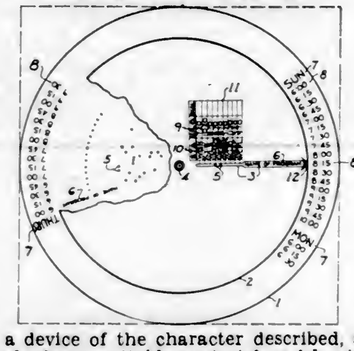
1. A twisting machine for textiles comprising in combination, a pair of feed rolls, means to rotate said rolls, racks supporting a plurality of bobbins above said rolls, a plurality of guiding means for said threads disposed between said bobbins and rolls, one of said guiding means being fixed in position below said rolls, and a guiding member for said threads above said rolls movable vertically up and down as said rolls are stopped and started.

2,098,932
DENTAL CUSPIDOR
Jacob A. Saffir, Rockford, Ill., assignor of one-half to Oscar H. Pieper and one-half to Alphonse F. Pieper, both of Rochester, N. Y.
Application January 10, 1936, Serial No. 58,461
9 Claims. (Cl. 4—263)



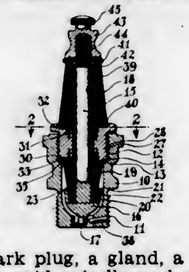
1. A dental cuspidor bowl with waste outlet eccentrically positioned and a waste pipe leading from said waste outlet of bowl and at the junction of waste outlet of bowl and waste pipe, a movable joint structure allowing horizontal movement of said cuspidor bowl.

2,098,933
ROTATABLE INFORMATION FINDER
Chester Adrian Hathaway, Davenport, Iowa
Application July 29, 1933, Serial No. 682,890
1 Claim. (Cl. 40—70)



In a device of the character described, a base formed of any suitable material and having informational matter thereon, a disc rotatably mounted on said base with said informational material radially disposed as to said disc and immediately adjacent to the circumference thereof, additional information on the base beneath the disc, a slot in the disc thru which said additional information can be read, a pointer between the slot and the circumference of the disc, dots located on the base beneath the disc, a table of classified information on the disc, and connecting lines from the slot to the classified information on the disc.

2,098,934
SPARK PLUG
Julius Devine, New York, N. Y.
Application February 25, 1937, Serial No. 127,610
5 Claims. (Cl. 123—169)

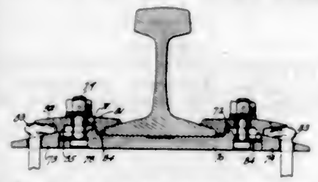


1. In a spark plug, a gland, a spindle, insulation between said spindle and said gland, said gland having a portion removed therefrom leaving a thin sleeve against the insulation, a wedge ring adapted to be forced into the removed portion and forcing the sleeve against the insulation.

2,098,935
TIE-PLATE ASSEMBLY
Newton F. Foner, Pittsburgh, Pa.
Application June 18, 1936, Serial No. 85,935
9 Claims. (Cl. 238—338)

1. A rail fastening comprising a plate to be secured to a tie and to serve as a rest for a rail,

the plate having its longitudinal contour substantially uniform and transversely continuous in the direction of rail length from the rolling of a

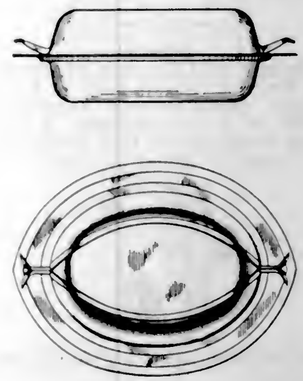


section from which the plate is sheared during manufacture, a pair of spaced holes in the plate shaped to permit the insertion of a bolt head into each hole from the top of the plate, the under surface of the plate adjacent the hole being recessed and spaced from the bottom plane of the plate to provide space to receive the head of the bolt after it is so inserted, with the body of the plate serving as a side-wall closure at one side of the recess to provide a side-stop for the bolt head, a shearing strip on top of the plate adjacent each recess and extending transversely of the plate, a bolt with a head to fit into the hole and into the recessed space under the plate against the side wall, and a clamping plate to be held in position by the bolt and serving in turn to hold the bolt head in the recessed space to prevent shifting of the bolt from the recess, the clamping plate overlying the rail base and embodying a shearing strip to engage the edge of said rail base and extending therefrom to said shearing strip on the plate.

DESIGNS

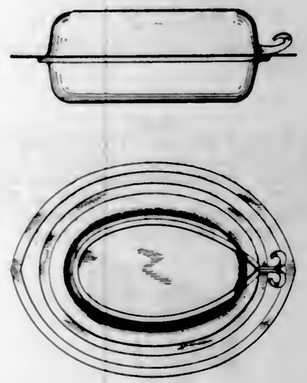
NOVEMBER 9, 1937

106,858
DESIGN FOR A COVERED DISH OR SIMILAR ARTICLE
Minn S. Cornell, Jr., Middletown, Conn., assignor to The Middletown Silver Company, Middletown, Conn., a corporation of Connecticut
Application July 13, 1937, Serial No. 70,384
Term of patent 7 years



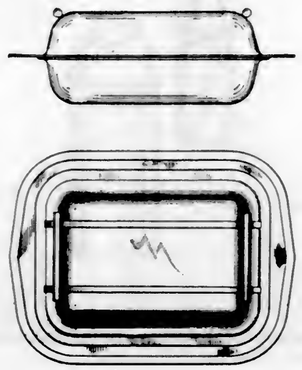
The ornamental design for a covered dish or similar article as shown.

106,859
DESIGN FOR A COVERED DISH OR SIMILAR ARTICLE
Minn S. Cornell, Jr., Middletown, Conn., assignor to The Middletown Silver Company, Middletown, Conn., a corporation of Connecticut
Application July 13, 1937, Serial No. 70,385
Term of patent 7 years



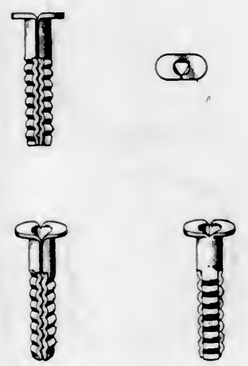
The ornamental design for a covered dish or similar article as shown.

106,860
DESIGN FOR A COVERED DISH OR SIMILAR ARTICLE
Minn S. Cornell, Jr., Middletown, Conn., assignor to The Middletown Silver Company, Middletown, Conn., a corporation of Connecticut
Application July 13, 1937, Serial No. 70,386
Term of patent 7 years



The ornamental design for a covered dish or similar article as shown.

106,861
DESIGN FOR A NAIL DRIVE ANCHOR
Paul C. Dellinger, Lancaster, Pa., assignor to U. S. Expansion Bolt Company, New York, N. Y., a corporation of New York
Application August 13, 1937, Serial No. 71,069
Term of patent 14 years



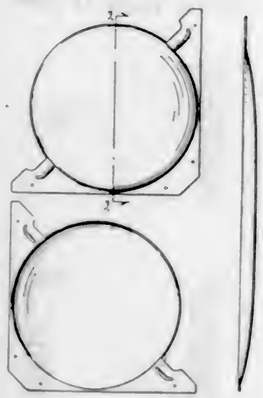
The ornamental design for a nail drive anchor, as shown and described.

106,862
DESIGN FOR A COMBINED BOTTLE AND CUP
Henry Dreyfuss, New York, N. Y., assignor to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio
Application May 26, 1937, Serial No. 69,558
Term of patent 14 years



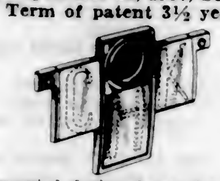
The ornamental design for a combined bottle and cup as shown.

106,863
DESIGN FOR A BRACE FOR SCREEN DOORS AND THE LIKE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application June 7, 1937, Serial No. 69,712
Term of patent 3½ years



The ornamental design for a brace for screen doors and the like substantially as shown.

106,864
DESIGN FOR A CHARACTER BEARING UNIT
Joseph B. Federico, Niagara Falls, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 71,778
Term of patent 3½ years



The ornamental design for a character bearing unit, as shown.

106,865
DESIGN FOR A CHARACTER BEARING UNIT
Joseph B. Federico, Niagara Falls, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 71,779
Term of patent 3½ years



The ornamental design for a character bearing unit, as shown.

106,866
DESIGN FOR A CHARACTER BEARING UNIT
Joseph B. Federico, Niagara Falls, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 71,780
Term of patent 3½ years



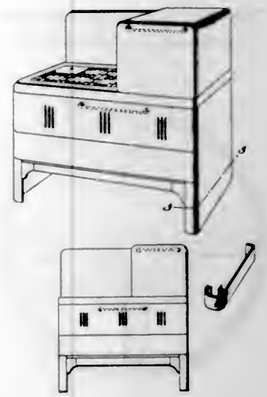
The ornamental design for a character bearing unit as shown.

106,867
DESIGN FOR A CHARACTER BEARING UNIT
Joseph B. Federico, Niagara Falls, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application September 24, 1937, Serial No. 71,781
Term of patent 3½ years



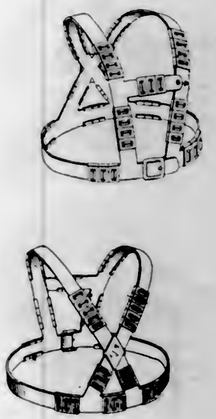
The ornamental design for a character bearing unit as shown.

106,868
DESIGN FOR A RANGE
Rudolph Hoffman, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application July 26, 1937, Serial No. 70,669
Term of patent 14 years



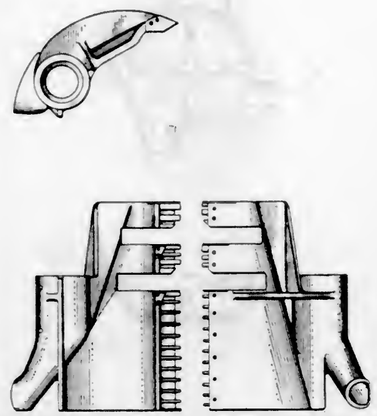
The ornamental design for a range as shown.

106,869
DESIGN FOR A SAFETY DEVICE FOR PEDESTRIANS
Thomas Earle Miller, Nashville, Tenn.
Application March 15, 1937, Serial No. 68,163
Term of patent 14 years



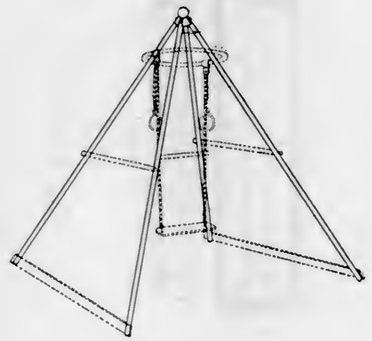
The ornamental design for a safety device for pedestrians, as shown.

106,870
DESIGN FOR A SCRAPER FOR CENTRIFUGAL SEPARATING MACHINES AND ANALOGOUS ARTICLES
Joseph S. Pecker, Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y., a corporation of Delaware
Application February 2, 1937, Serial No. 67,411
Term of patent 3½ years



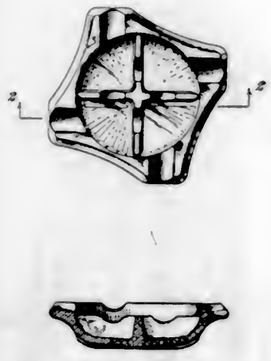
The ornamental design for a scraper for centrifugal separating machines and analogous articles, as shown.

106,871
DESIGN FOR A PLAYGROUND APPARATUS
Carl D. Spangler, Oklahoma City, Okla.
Application March 18, 1937, Serial No. 68,259
Term of patent 7 years



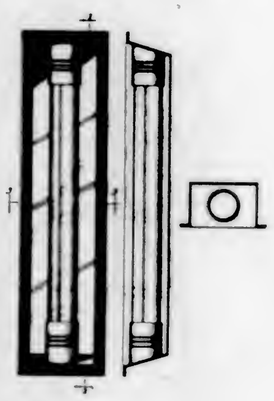
The ornamental design for a playground apparatus, as shown, and described.

106,872
DESIGN FOR AN ASHTRAY
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application August 18, 1937, Serial No. 71,185
Term of patent 7 years



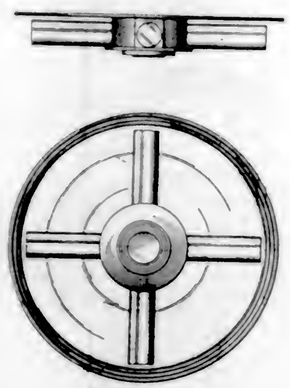
The ornamental design for an ashtray, as shown.

106,873
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,265
Term of patent 14 years



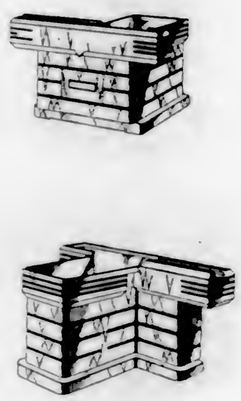
The ornamental design for a lighting fixture or similar article, substantially as shown.

106,874
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,271
Term of patent 14 years



The ornamental design for a lighting fixture or similar article, substantially as shown.

106,875
DESIGN FOR A MACHINE TOOL BASE
Harold Van Doren, Toledo, Ohio, assignor to Ex-Cell-O Corporation, a corporation of Michigan
Application April 14, 1937, Serial No. 68,752
Term of patent 14 years



The ornamental design for a machine tool base substantially as shown and described.

106,876
DESIGN FOR A BADGE
Ralph O. Yardley, Stockton, Calif., assignor to The Association of 20-30 Clubs, Sacramento, Calif., a corporation of California
Application January 4, 1937, Serial No. 66,889
Term of patent 14 years



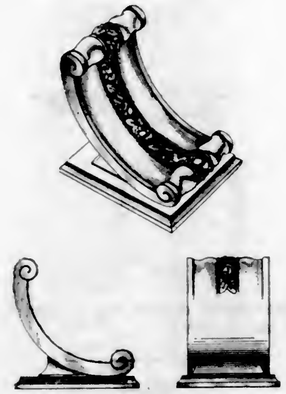
The ornamental design for a badge, as shown.

106,877
DESIGN FOR A HOLLOW DOUBLE-WALL GLASS REFLECTOR
Carl E. Anderson and Carl R. Palmer, Steubenville, Ohio
Application August 28, 1935, Serial No. 58,347
Term of patent 14 years



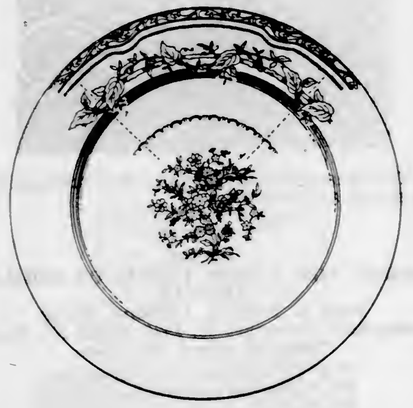
The ornamental design for a hollow double-wall glass reflector, substantially as shown and described.

106,878
DESIGN FOR A BOOK END OR SIMILAR ARTICLE
Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application September 21, 1937, Serial No. 71,705
Term of patent 7 years



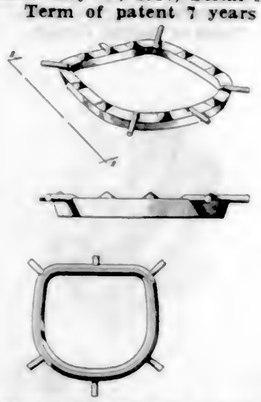
The ornamental design for a book end or similar article, substantially as shown.

106,879
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application March 4, 1937, Serial No. 67,992
Term of patent 7 years



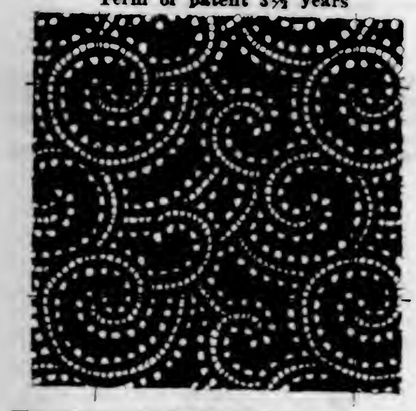
The ornamental design for a plate or similar article, as shown and described.

106,880
DESIGN FOR A DENTAL FLASK ATTACHMENT
Dayton Bumgardner and Alexander B. Pickands, Chicago, Ill.
Application May 21, 1937, Serial No. 69,470
Term of patent 7 years



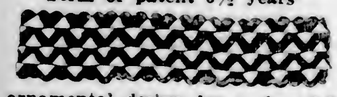
The ornamental design for a dental flask attachment, as shown.

106,881
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I., assignor to New England Lace Mills, Inc., New York, N. Y.
Application October 5, 1937, Serial No. 71,962
Term of patent 3½ years



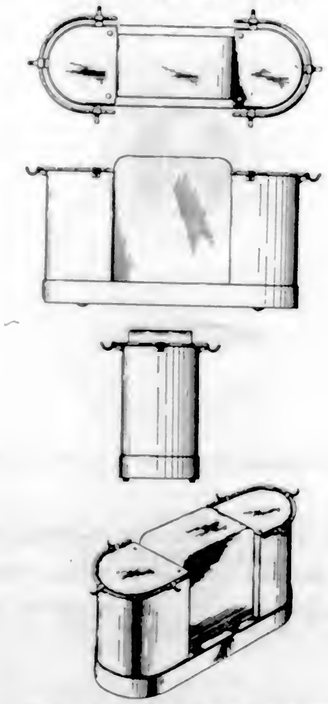
The ornamental design for a lace substantially as shown and described.

106,882
DESIGN FOR A SHOE FABRIC OR SIMILAR ARTICLE
John A. Fogarty, Portland, Maine
Application November 30, 1936, Serial No. 66,195
Term of patent 3½ years



The ornamental design for a shoe fabric or similar article, substantially as shown and described.

106,883
DESIGN FOR A DISPENSER FOR LUBRICANTS OR THE LIKE
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application August 9, 1937, Serial No. 70,940
Term of patent 7 years



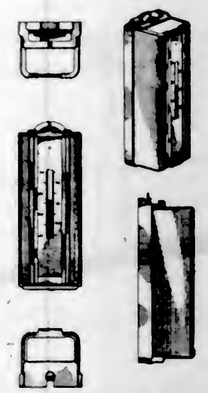
The ornamental design for a dispenser for lubricants or the like substantially as shown.

106,884
DESIGN FOR A HOSTESS CART
John C. Gridley, Alhambra, Calif.
Application April 12, 1937, Serial No. 68,713
Term of patent 7 years



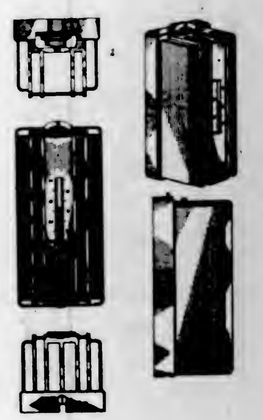
The ornamental design for a hostess cart, substantially as shown and described.

106,885
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,038
Term of patent 7 years



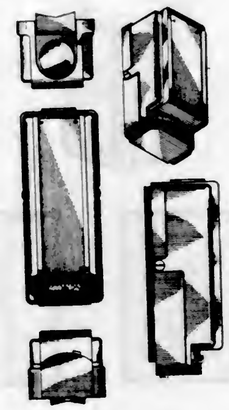
The ornamental design for an air conditioning control, substantially as shown.

106,886
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,039
Term of patent 7 years



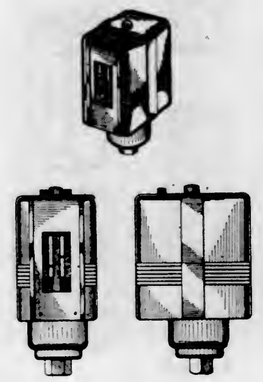
The ornamental design for an air conditioning control, substantially as shown.

106,887
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,040
Term of patent 7 years



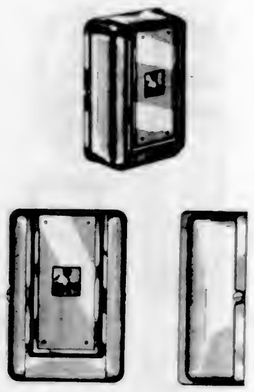
The ornamental design for an air conditioning control, substantially as shown.

106,888
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,041
Term of patent 7 years



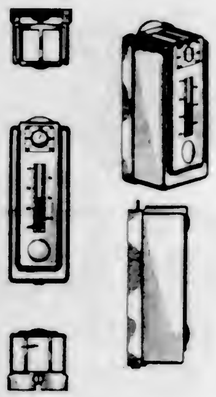
The ornamental design for an air conditioning control, substantially as shown.

106,889
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,042
Term of patent 7 years



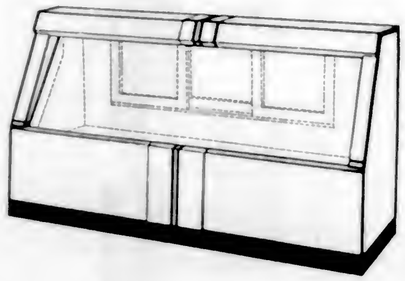
The ornamental design for an air conditioning control, substantially as shown.

106,890
DESIGN FOR AN AIR CONDITIONING CONTROL
Clarence R. T. Hess, Prairie View, Ill., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1937, Serial No. 71,043
Term of patent 7 years



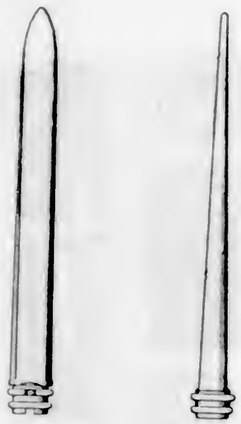
The ornamental design for an air conditioning control, substantially as shown.

106,891
DESIGN FOR A REFRIGERATOR DISPLAY CABINET
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application August 4, 1937, Serial No. 70,843
Term of patent 7 years



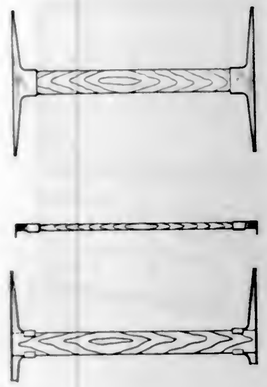
The ornamental design for a refrigerator display cabinet as shown and described.

106,892
DESIGN FOR A BOBBIN FOR LOOM SHUTTLES OR SIMILAR ARTICLES
William J. McGeough, Providence, R. I., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I., a corporation of Rhode Island
Application November 13, 1936, Serial No. 65,892
Term of patent 14 years



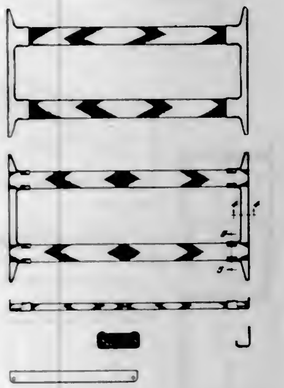
The ornamental design for a bobbin for loom shuttles or similar articles, substantially as shown and described.

106,893
DESIGN FOR A CHAIR RUNG
Roy F. McMahan, Louisville, Ky.
Application February 23, 1937, Serial No. 67,781
Term of patent 14 years



The ornamental design for a chair rung, as shown.

106,894
DESIGN FOR A CHAIR RUNG
Roy F. McMahan, Louisville, Ky.
Application April 30, 1937, Serial No. 69,071
Term of patent 14 years



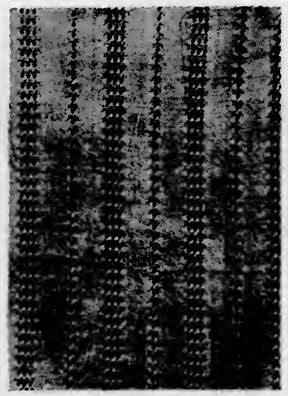
The ornamental design for a chair rung, as shown.

106,895
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 6, 1937, Serial No. 71,992
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

106,896
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application September 29, 1937, Serial No. 71,855
Term of patent 14 years



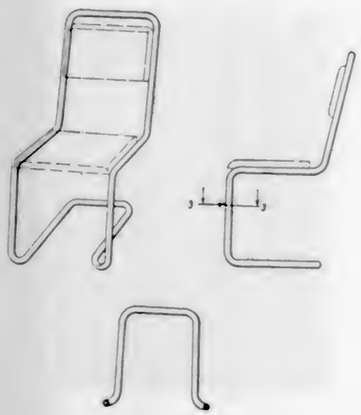
The ornamental design for a knitted fabric substantially as shown.

106,897
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application September 29, 1937, Serial No. 71,856
Term of patent 14 years



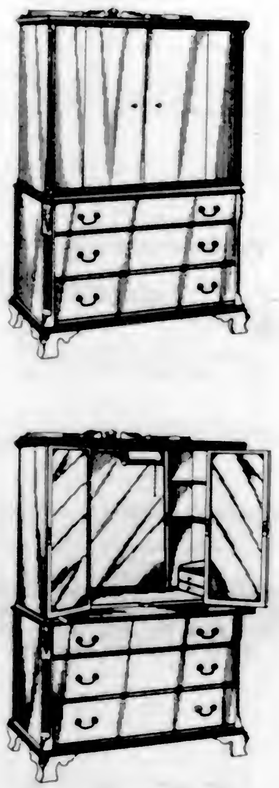
The ornamental design for a knitted fabric substantially as shown.

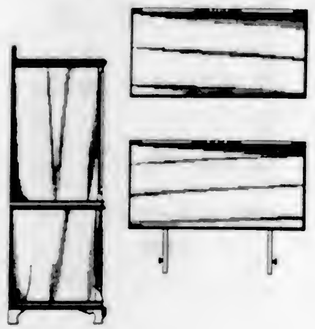
106,898
DESIGN FOR A CHAIR OR THE LIKE
Morris R. Moody, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a corporation of Ohio
Application February 25, 1937, Serial No. 67,839
Term of patent 3½ years



The ornamental design for a chair or the like, substantially as shown and described.

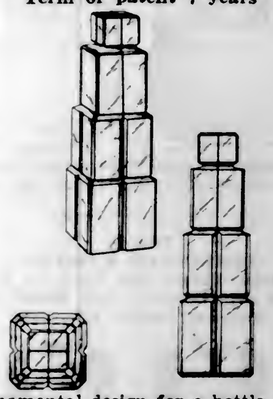
106,899
DESIGN FOR A COMBINED BUREAU AND WARDROBE
Floyd H. Newmaker, Warren, Pa.
Application September 10, 1937, Serial No. 71,559
Term of patent 3½ years





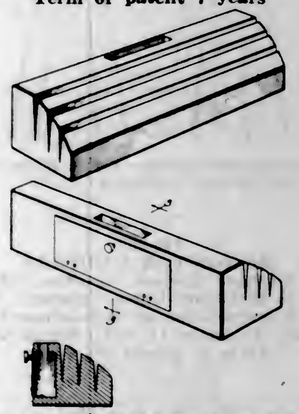
The ornamental design for a combined bureau and wardrobe, as shown.

106,900
DESIGN FOR A BOTTLE
Walter Nuckols, Summit, N. J., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application September 11, 1937, Serial No. 71,576
Term of patent 7 years



The ornamental design for a bottle, as shown.

106,901
DESIGN FOR A COMBINED COMB SUPPORT AND RAZOR BLADE DEPOSITORY
Howard Pena, Chicago, Ill.
Application July 14, 1937, Serial No. 70,436
Term of patent 7 years



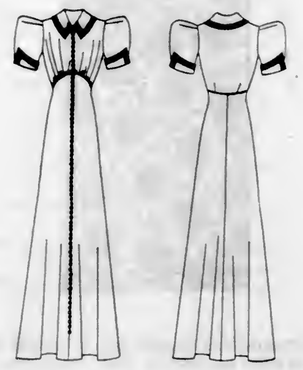
The ornamental design for a combined comb support and razor blade depository as shown.

106,902
DESIGN FOR A FLOWER VASE HOLDER
Thomas S. Perez, Berkeley, Calif.
Application October 5, 1936, Serial No. 65,173
Term of patent 3½ years



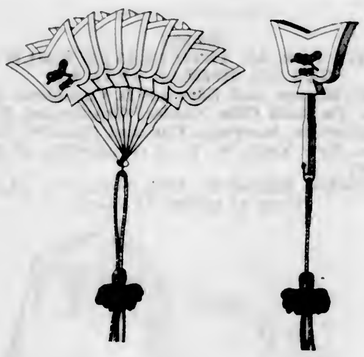
The ornamental design for a flower vase holder substantially as shown.

106,903
DESIGN FOR A DRESS
Tellie Quaranto, New York, N. Y.
Application October 4, 1937, Serial No. 71,945
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

106,904
DESIGN FOR A CRIB-FAN
Candido M. Ramos, Delano, Calif.
Application July 28, 1937, Serial No. 70,707
Term of patent 7 years



The ornamental design for a crib-fan, as shown.

106,905
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Willard D. Roberson, New York, N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application October 8, 1937, Serial No. 72,076
Term of patent 3½ years



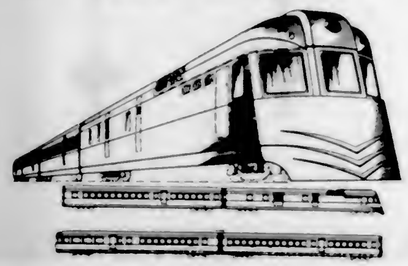
The ornamental design for a textile fabric or similar article as shown and described.

106,906
DESIGN FOR AN ADVERTISING DISPLAY BAND
Roscoe C. Ziringer, Pittsburgh, Pa.
Application September 3, 1936, Serial No. 64,702
Term of patent 3½ years

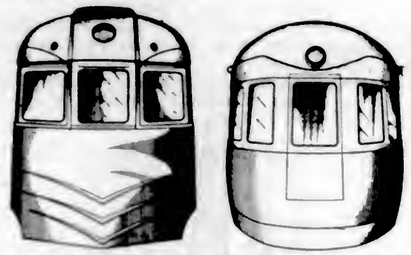


The ornamental design for an advertising display band, as shown and described.

106,907
DESIGN FOR AN ARTICULATED RAILWAY CAR OR SIMILAR ARTICLE
Isaac C. Barlow and Edmund D. Campbell, Berwick, Pa., and Otto Kuhler, Grantwood, N. J., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 29, 1936, Serial No. 64,640
Term of patent 14 years

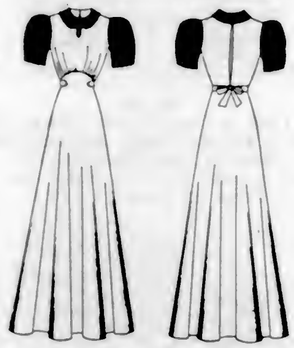


106,907—Continued



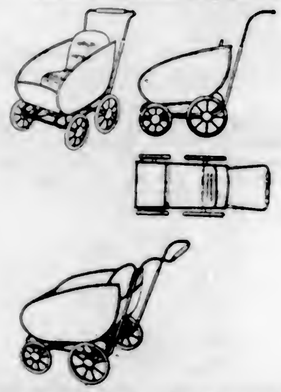
The ornamental design for an articulated railway car or similar article as shown, and described.

106,908
DESIGN FOR A DRESS
Elyon Blavet, New York, N. Y.
Application September 23, 1937, Serial No. 71,743
Term of patent 3½ years



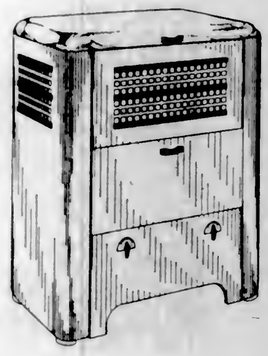
The ornamental design for a dress substantially as shown and described.

106,909
DESIGN FOR A GOCART
William Gerhard Carlson, Gardner, Mass., assignor to Hedstrom-Union Company, Gardner, Mass., a corporation of Massachusetts
Application February 17, 1937, Serial No. 67,722
Term of patent 3½ years



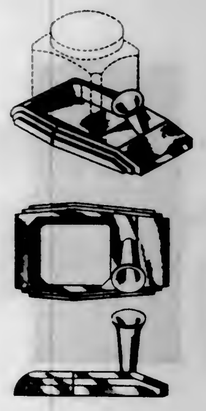
The ornamental design for a gocart as shown.

106,910
DESIGN FOR A HEATER CABINET
Mervin F. Cotes and Walter C. Schneider, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application May 10, 1937, Serial No. 69,278
Term of patent 3½ years



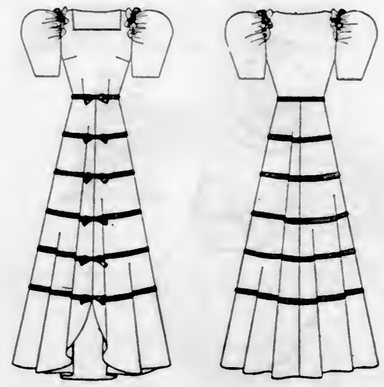
The ornamental design for a heater cabinet as shown and described.

106,911
DESIGN FOR A PEN AND INK DESK-STAND
William F. Deppermann, Orange, N. J., assignor to S. S. Stafford, Inc., New York, N. Y., a corporation of New York
Application March 20, 1937, Serial No. 68,291
Term of patent 7 years



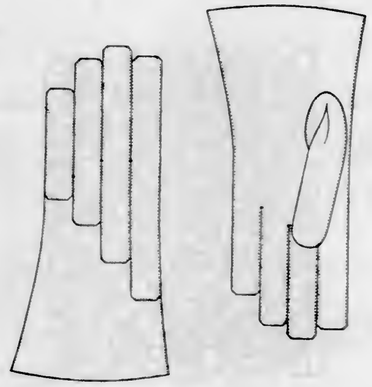
The ornamental design for a pen and ink desk-stand, as shown and described.

106,912
DESIGN FOR A DRESS
Rose Feintuck, New York, N. Y.
Application August 4, 1937, Serial No. 70,830
Term of patent 3½ years



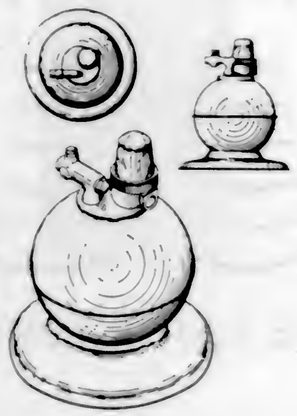
The ornamental design for a dress, substantially as shown.

106,913
DESIGN FOR A GLOVE
John E. Fuchs, New York, N. Y.
Application September 20, 1937, Serial No. 71,689
Term of patent 3½ years



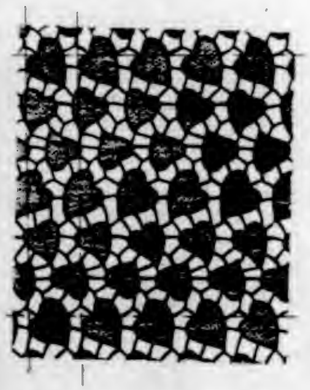
The ornamental design for a glove substantially as shown.

106,914
DESIGN FOR A GEAR CASE FLUSHER OR SIMILAR ARTICLE
Charles W. Ginter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application August 4, 1937, Serial No. 70,848
Term of patent 7 years



The ornamental design for a gear case flusher or similar article as shown.

106,915
DESIGN FOR A LACE
Abe A. Goldstein, New York, N. Y.
Application October 11, 1937, Serial No. 72,109
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

106,916
DESIGN FOR A LACE
Abe A. Goldstein, New York, N. Y.
Application October 11, 1937, Serial No. 72,110
Term of patent 3½ years



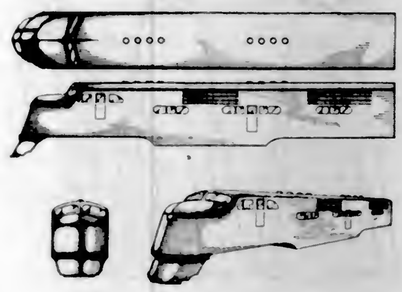
The ornamental design for a lace substantially as shown and described.

106,917
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
Bruno Haertel, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware
Application February 14, 1936, Serial No. 61,176
Term of patent 3½ years



The ornamental design for a textile fabric or similar article of manufacture substantially as shown and described.

106,918
DESIGN FOR A LOCOMOTIVE BODY
Harold L. Hamilton and Richard M. Dilworth, La Grange, and Martin P. Blomberg, Hinsdale, Ill., and Leland A. Knickerbocker and Chris J. Klein, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1937, Serial No. 70,028
Term of patent 14 years



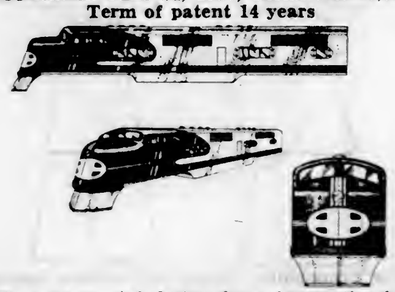
The ornamental design for a locomotive body substantially as shown and described.

106,919
DESIGN FOR A LOCOMOTIVE BODY
Harold L. Hamilton and Richard M. Dilworth, La Grange, and Martin P. Blomberg, Hinsdale, and Leland A. Knickerbocker and Chris J. Klein, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1937, Serial No. 70,029
Term of patent 14 years



The ornamental design for a locomotive body substantially as shown and described.

106,920
DESIGN FOR A LOCOMOTIVE BODY
Harold L. Hamilton and Richard M. Dilworth, La Grange, Martin P. Blomberg, Hinsdale, and William D. Otter, River Forest, Ill., and Leland A. Knickerbocker and Chris J. Klein, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 24, 1937, Serial No. 70,030
Term of patent 14 years



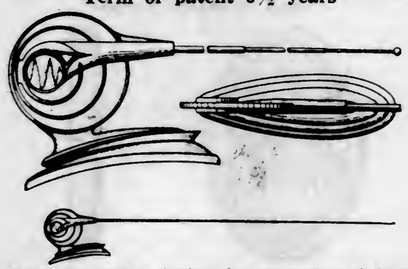
The ornamental design for a locomotive body substantially as shown and described.

106,921
DESIGN FOR A DRESS
Jack Kirschner, New York, N. Y.
Application July 3, 1937, Serial No. 70,244
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

106,922
DESIGN FOR AN AUTOMOBILE ROOF AERIAL
Roman Kopanski, Cleveland, Ohio, assignor to The Ward Products Corporation, Cleveland, Ohio
Application September 13, 1937, Serial No. 71,601
Term of patent 3½ years



The ornamental design for an automobile roof aerial, as shown.

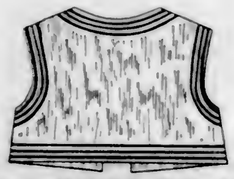
106,923
DESIGN FOR A DRESS
Florence Laye, New York, N. Y.
Application October 6, 1937, Serial No. 71,991
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

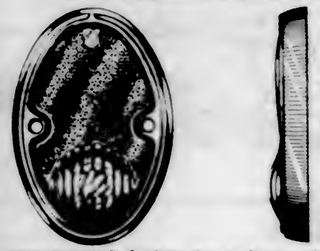
106,924
DESIGN FOR A BOLERO JACKET
Charles Lewis, New York, N. Y.
Application September 30, 1937, Serial No. 71,882
Term of patent 3½ years





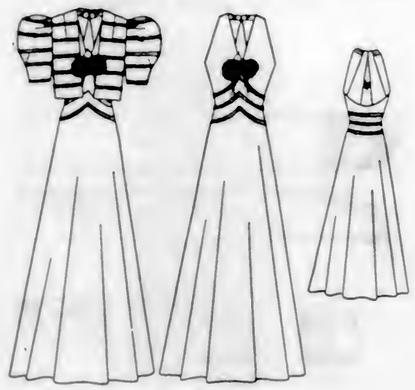
The ornamental design for a bolero jacket, substantially as shown and described.

106,925
DESIGN FOR A LAMP CLOSURE
Howard C. Mead, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 26, 1935, Serial No. 56,592
Term of patent 7 years



The ornamental design for a lamp closure, as shown.

106,926
DESIGN FOR A DRESS ENSEMBLE
Margaret Michelson, New York, N. Y.
Application October 6, 1937, Serial No. 71,993
Term of patent 3½ years



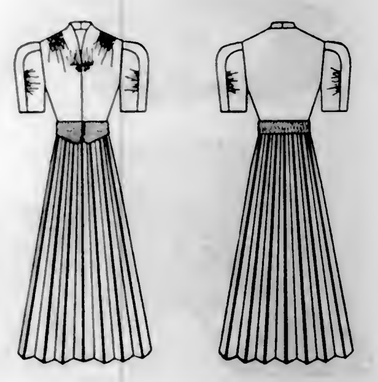
The ornamental design for a dress ensemble, substantially as shown, and described.

106,927
DESIGN FOR A CAMERA
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 23, 1937, Serial No. 71,763
Term of patent 14 years



The ornamental design for a camera as shown and described.

106,928
DESIGN FOR A DRESS
David Rosenthal, New York, N. Y.
Application October 2, 1937, Serial No. 71,930
Term of patent 3½ years



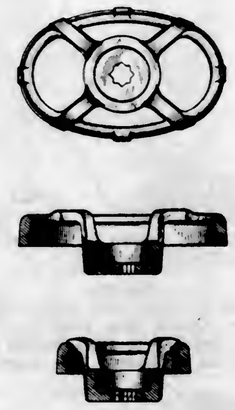
The ornamental design for a dress, substantially as shown.

106,929
DESIGN FOR A DRESS
David Rosenthal, New York, N. Y.
Application October 6, 1937, Serial No. 71,995
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

106,930
DESIGN FOR A HANDWHEEL
Vincent P. Rumely, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 3, 1937, Serial No. 71,445
Term of patent 14 years



The ornamental design for a handwheel, substantially as shown.

106,931
DESIGN FOR A SWEATER
Frank Sheindelman, New York, N. Y.
Application October 6, 1937, Serial No. 71,996
Term of patent 3½ years



The ornamental design for a sweater, substantially as shown and described.

106,932
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application October 5, 1937, Serial No. 71,966
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

106,933
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application October 5, 1937, Serial No. 71,967
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

106,934
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application October 5, 1937, Serial No. 71,969
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

106,935
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sholtz, New York, N. Y.
Application October 5, 1937, Serial No. 71,970
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

106,936
DESIGN FOR A NEGLIGEE
Ethel Eaton Stricker, New York, N. Y.
Application October 8, 1937, Serial No. 72,055
Term of patent 3½ years



The ornamental design for a negligee, substantially as shown and described.

106,937
DESIGN FOR A KNITTED SWEATER
Leslie M. Sobo, New York, N. Y.
Application September 18, 1937, Serial No. 71,672
Term of patent 3½ years



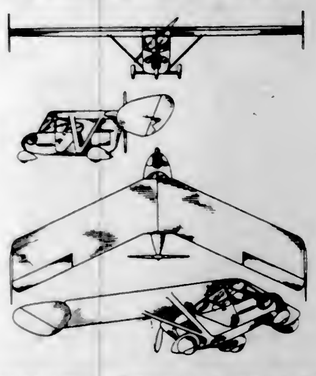
The ornamental design for a knitted sweater, as shown and described.

106,938
DESIGN FOR AN AERIAL FOR AUTOMOBILES
David A. Vaughan, Woodstock, N. Y.
Application October 9, 1937, Serial No. 72,104
Term of patent 3½ years



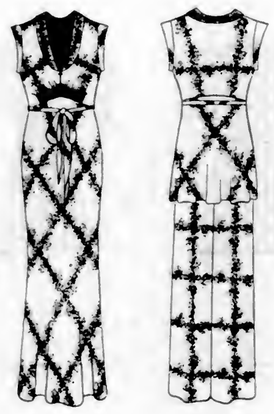
The ornamental design for an aerial for automobiles, as shown and described.

106,939
DESIGN FOR AN AIRPLANE
Waldo D. Waterman, Santa Monica, Calif.
Application February 8, 1937, Serial No. 67,508
Term of patent 3½ years



The ornamental design for an airplane, as shown and described.

106,940
DESIGN FOR A GOWN PAJAMA
Harry Weisman, New York, N. Y.
Application September 20, 1937, Serial No. 71,688
Term of patent 3½ years



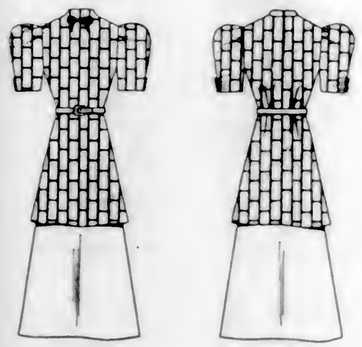
The ornamental design for a gown pajama substantially as shown.

106,941
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application October 11, 1937, Serial No. 72,105
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

106,942
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 12, 1937, Serial No. 72,125
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

106,943
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 12, 1937, Serial No. 72,127
Term of patent 3½ years



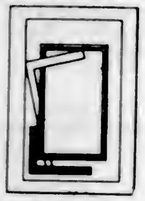
The ornamental design for a dress, substantially as shown.

106,944
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 12, 1937, Serial No. 72,128
Term of patent 3½ years



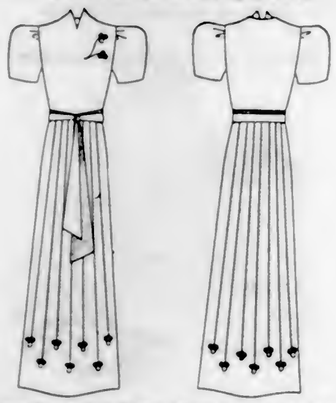
The ornamental design for a dress, substantially as shown.

106,945
DESIGN FOR A TRADING STAMP
Chadwick J. Hays and Gertrude D. Hays, Lansing, Mich.
Application August 27, 1937, Serial No. 71,354
Term of patent 7 years



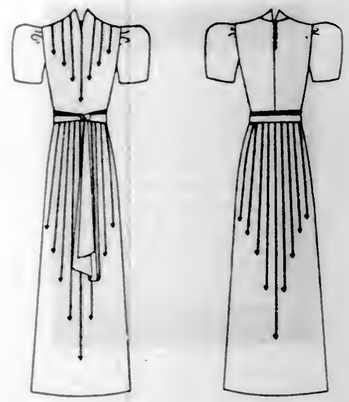
The ornamental design for a trading stamp, as shown.

106,946
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application October 11, 1937, Serial No. 72,111
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

106,947
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application October 11, 1937, Serial No. 72,112
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

106,948
DESIGN FOR A DRESS
Sidney J. Poster, New York, N. Y.
Application October 8, 1937, Serial No. 72,056
Term of patent 3½ years



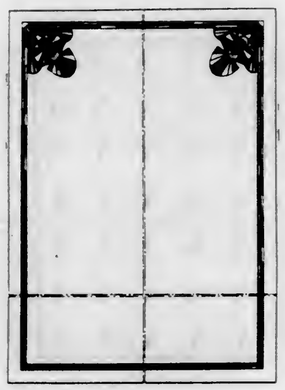
The ornamental design for a dress, substantially as shown.

106,949
DESIGN FOR A COAT
Samuel Rosenblatt, New York, N. Y.
Application September 30, 1937, Serial No. 71,873
Term of patent 3½ years



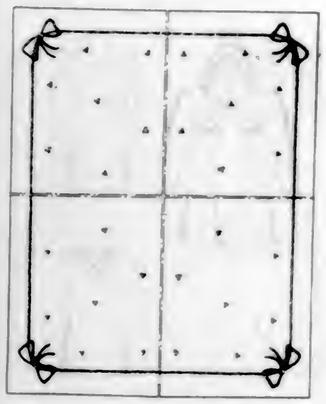
The ornamental design for a coat, substantially as shown.

106,950
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Sydelle Rosen, New York, N. Y.
Application September 30, 1937, Serial No. 71,877
Term of patent 3½ years



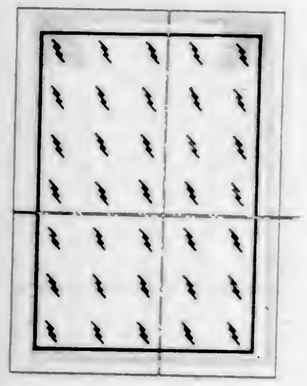
The ornamental design for a scarf or similar article, substantially as shown, and described.

106,951
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Sydelle Rosen, New York, N. Y.
Application September 30, 1937, Serial No. 71,878
Term of patent 3½ years



The ornamental design for a scarf or similar article, substantially as shown, and described.

106,952
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Sydelle Rosen, New York, N. Y.
Application September 30, 1937, Serial No. 71,879
Term of patent 3½ years



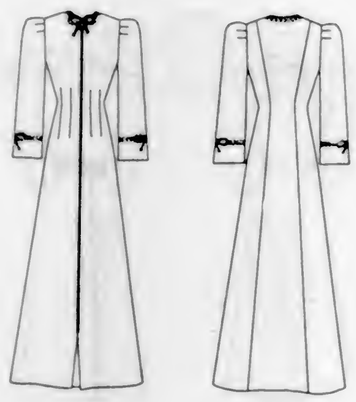
The ornamental design for a scarf or similar article, substantially as shown, and described.

106,953
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Sydelle Rosen, New York, N. Y.
Application September 30, 1937, Serial No. 71,880
Term of patent 3½ years



The ornamental design for a scarf or similar article, substantially as shown, and described.

106,954
DESIGN FOR A NEGLIGEE
Ethel Eaton Stricker, New York, N. Y.
Application September 27, 1937, Serial No. 71,819
Term of patent 3½ years



The ornamental design for a negligee, substantially as shown and described.

Patents Nos. 2,098,936 to 2,099,669

THE
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OF THE
United States Patent Office

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November 16, 1937

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Prints	8—No.	16,571 to No.	16,578, inclusive.
Reissues	7—No.	20,552 to No.	20,558, inclusive.
Patents	734—No.	2,098,936 to No.	2,099,669, inclusive.
Designs	107—No.	106,955 to No.	107,061, inclusive.
Total	1,108		

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

Cross-References in Cases Relating to Same Subject

RULE 43. When an applicant files two or more applications relating to the same subject matter of invention, all showing but only one claiming the same thing, the applications not claiming it must contain references to the application claiming it.

NOTICE

Board of Appeals—Decisions—Time for Response

U. S. PATENT OFFICE, *Washington, January 28, 1935.*

There appears to be some confusion among attorneys and applicants as to the time within which action must be taken in applications following a decision of the Board of Appeals.

The decision of the Board of Appeals is "an action" in the application, and, in order to save the application from abandonment, amendment must be filed within six months from the date of that decision unless an appeal has been taken to the Court of Customs and Patent Appeals or review of the decision sought by a bill in equity under section 4915.

The Examiner will not notify the applicant of the decision of the Board of Appeals.

CONWAY P. COE,
Commissioner.

Reservation Clauses Not Permitted

RULE 44. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

Adjudicated Patents

(D. C. Del.) Ware patent, No. 1,864,384, for piston, claims 1, 3, and 5 *Held* invalid. *Ware* v. *Pratt & Whitney Aircraft Co.*, 20 F. Supp. 168.

(D. C. Del.) Chapman and Littleford patent, No. 1,968,008, for concentration of minerals, *Held* valid and infringed. *Phosphate Recovery Corporation* v. *Southern Phosphate Corporation*, 20 F. Supp. 153.

Disclaimer

2,050,209.—*Samuel D. Gehman*, Akron, Ohio. WAX-LIKE COMPOSITION. Patent dated August 4, 1936. Disclaimer filed October 30, 1937, by the assignee, *Wingfoot Corporation.*

Hereby enters this disclaimer of each and every claim.

Condition of Applications Under Examination at Close of Business October 30, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,086; Trade-Mark Division, 1,419. Oldest new case, May 18, 1937; oldest amended, May 1, 1937.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 5	June 8	689
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 3	July 13	793
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 1	Sept. 2	456
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	July 24	July 21	463
2077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 2	Aug. 4	589
4896C	6. LEWERS, A. M., Carbon Chemistry (part)	July 28	July 26	801
5725	7. JARBOE, C. O., Optics; Photography	July 20	July 19	963
3855	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	July 10	July 13	629
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	June 26	June 29	540
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 21	June 21	820
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	July 27	July 27	459
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	June 19	June 26	647
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 13	July 13	638
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 22	July 21	547
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 21	July 21	1,066
5612	16. SPENCER, C. J., Telegraphy; Telephony	July 6	July 6	705
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 31	Aug. 2	531
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 14	July 12	472
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 1	July 2	829
6605	20. BROWN, L. M. Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 12	July 15	599
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	July 30	July 30	552
5724	22. RINOLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 3	Aug. 4	603
7624	23. BUTTNER, W. J. Registers (part)	May 18	May 1	291
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 4	Aug. 4	627
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	July 22	July 23	607
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	July 1	July 2	484
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	May 29	June 1	882
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Aug. 11	July 30	406
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 10	July 17	696
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 2	June 2	890
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	July 30	July 30	555
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 15	July 22	501
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	July 29	July 19	852
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Aug. 13	Aug. 10	317
3605	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 3	Aug. 4	528
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 21	June 21	521
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 5	June 1	729
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 6	July 8	613
4872	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	June 23	June 21	545
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	June 28	June 28	1,222
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 7	July 14	291
5882	42. CUTTING, H. O., Electric Signaling	June 30	June 17	523
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	July 30	July 30	633
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	June 9	June 1	819
7097	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 1	July 3	624
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 13	July 13	559
6082	47. BARKER, H., Clutches; Brakes	July 26	July 31	600
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 26	July 26	523
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 1	May 27	817
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	July 30	July 30	611
5628	51. BACKUS, C. D., Radiant Energy	July 23	July 23	729
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 17	July 9	912
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 29	July 6	756
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Aug. 24	Aug. 21	486
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	June 25	June 28	862
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 1	July 1	972
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 11	June 17	555
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 26	July 20	383
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	July 26	July 30	656
5896	60. GLASS, R. L., Electric Heating, and Welding; Batteries; Resistances; Dynamo Plants	July 13	July 13	491
6724	61. PARKS, O. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 14	June 17	597
3876	62. PUGH, E. C., Games; Geometrical Instruments	July 30	July 31	575
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	July 17	July 16	419
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	July 30	July 30	973
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 1	June 26	653
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Sept. 1	Oct. 15	1,201
	Trade-Marks	Oct. 8	Oct. 15	218
2605	Labels and Prints	Oct. 7	Oct. 19	594
	Designs, H. H. KALUPY			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

RUDOLPH *v.* GAWILER

No. 3,794. Decided April 5, 1937

[88 F.(2d) 993]

1. INTERFERENCE—TESTIMONY—CIRCUMSTANCES MUST BE CONSIDERED.

"The reasonableness or unreasonableness of the story told by the appellant must be taken into account. Small facts and circumstances oftentimes throw greater light on the true situation than can be afforded in any other way."

2. SAME—PRIORITY.

Record reviewed and *Held* that testimony of R. is not sufficient to establish that he had a conception of the invention prior to the date of the filing of G's. application and that priority was properly awarded to the latter.

APPEAL from the Patent Office. Affirmed.

Mr. William S. Hodges for Rudolph.

Mr. Richard J. Cook for Gawiler.

GRAHAM, *P. J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office in an interference proceeding in which priority was awarded to the appellee, John Gawiler, on all counts in the interference, which said decision affirmed the decision of the Examiner of Interferences. The subject matter of the interference is expressed in four counts. Count 4 is typical of all the counts, and indicates the subject matter of the interference. It is as follows:

4. A vent protector for egg laying hens comprising a plate, a fastening device in the form of a safety pin fixed rigidly to the top edge of the plate in a manner whereby the pin may be applied through the rump of the hen thereby to operatively suspend the plate over the vent; **the said plate being longitudinally curved to conform to** the adjacent body part of the hen **and being adapted to** swing outwardly for passage of an egg from the vent.

The appellee resides at Toppenish, in the county of Yakima, in the State of Washington, and on January 22, 1932, filed an application for patent on a device to protect the vent of a hen while laying an egg. On June 29, 1933, Maurice L. Rudolph, a resident of Vineland, in the county of Cumberland, in the State of New Jersey, filed an application for a patent for a similar device. Thereafter, on or about November 8, 1933, two interference proceedings were instituted and declared between the application of the party Rudolph and pending applications of Perl Acton, filed July 19, 1933, Meyer N. Dantzig, filed August 26, 1932, and the application of the party Gawiler, filed as aforesaid. On or about October 15, 1934, the parties Acton and Dantzig were eliminated from the interferences, and these later were consolidated into one interference, interference No. 67,223.

Both parties took testimony which will be hereinafter considered. At the conclusion thereof, the Examiner of Interferences was of opinion that the junior party, the appellant, had not sustained the burden of proof resting upon him and awarded priority to the party Gawiler. On appeal to the Board of Appeals, the Board arrived at the same conclusion.

The subject matter of the controversy here is a shield of metal to protect the vent of an egg-laying hen. According to the facts produced, when a hen, especially of the white leghorn variety, lays an egg, the vent is much distended and shows a red appearance, because of the lining mucous membrane of the tube. The hen herself and other hens will be attracted by this appearance and peck at it, especially if the flow of some blood has been occasioned by the egg-laying process. This leads to cannibalism and to injuries which speedily kill the hen. Some of the witnesses testify that very large losses in egg-laying hens have been occasioned for many years because of these "pick-outs," and for many years it has been a matter of serious loss to the poultry farmer. Many experiments have been tried and remedies recommended, usually consisting of recommendations as to the feeding of the hens. Various departments of agriculture and poultry organizations have experimented along these lines, but without apparent success. Very large percentages of birds were lost in this way, in some cases the losses on the farm of the party Gawiler, in a single season, amounting to as many as 500 birds.

Both tribunals of the Patent Office seem to base their conclusions largely upon the character of the evidence produced on behalf of the junior party, and have concluded that it is uncertain and insufficient to overcome the burden which is placed upon the appellant as junior party. It, therefore, becomes necessary for this court to examine the testimony.

The appellee Gawiler is a farmer, principally engaged in raising poultry, at Toppenish, Washington, and had been residing there for thirteen years at the time of the taking of the testimony herein. He testified that he first conceived the idea of a method of protecting his laying hens from these "pick-outs" in attempting to prevent losses from that source. In 1925 he had about 3,000 laying birds in his flocks, and for some years he kept tables showing the losses from that source. In July, 1930, Gawiler had one bird which was wounded, which he removed from the house and attempted to protect by fastening a piece of canvas, 2½ inches by 3 inches, to the rump of the chicken, with a string. This, as he says, gave him a conception of a protecting shield, and from that time on he attempted to prepare one that would be satisfactory. In October of the same year he designed a shield made of a part of an inner tube, which was fastened to the rump by a piece of copper wire. These devices were not permanent, but would tear off. The making of such

devices was recorded in a chart which was offered in evidence.

In July, 1931, the other devices having failed to accomplish the desired purpose, Gawiler made a shield out of galvanized sheet iron, to which a hog ring was attached at the upper end. These were shield-shaped, large enough to cover the vent, and pointed at the top. The hog ring was inserted into a hole in the small end of the shield, and the ring closed through the flesh of the rump of the hen. This shield worked quite satisfactorily. It was offered in evidence. Thereafter, Gawiler showed the shield to a large number of chicken raisers at his place, and made 20 or 30 of them, which were used. Gawiler was still attempting to produce a better shield, and "came on the idea of using a safety pin instead of the hog ring." Samples of these shields were offered in evidence. They were equipped with a No. 2 safety pin, around which the shield was crimped to hold it. The safety pin was inserted through the tip of the rump, laterally, so that the shield would hang directly downward and cover the vent.

Thereafter Gawiler began making shields for sale, and sold a considerable number of them. Some time in December, 1931, molds and dies were ordered from a machine shop in Yakima, Washington. The dies were offered in evidence, and in January, 1932, quantity production was initiated. Fifteen thousand shields were made from these dies at that time, and other dies were procured for greater production. Application for a patent was taken up with an attorney, Mr. Maddox, in November, 1931, and application was duly made.

The shields made by both the old and new dies were sold throughout the United States, and advertising in different poultry magazines was initiated. This was done in January, 1932. Answers were received from various places throughout the United States and orders were received at agencies at various places, one being received in the agency at Washington, D. C. Among other correspondence which Gawiler had at that time, was some with parties at Vineland, New Jersey, where the appellant resided at the time, and in which a party by the name of Everett Keen was attempting to become an agent for the sale of the shields. This letter was dated April 6, 1932. There were also two postal cards received from one Abe Crystal, at Vineland, one dated September 15, 1932, the other December 15, 1932, ordering shields and asking to be made an agent in that territory. On June 5, 1932, his correspondent, Keen, wrote Gawiler to the effect that the party Rudolph, living at Maple Avenue, Vineland, New Jersey, had started to make shields similar to Gawiler's. Thereupon, Cook & Robinson, representing Gawiler, wrote to the appellant, who was then doing business under the name of Rudolph Pick-Out Shield Company, advising him that Gawiler was applying for a patent on the device which he was making, in response to which, on June 12th, the appellant replied that he had been experimenting with this idea for a number of years, and was intending to file an application for a patent.

A circumstance which has been given great weight by the tribunals of the Patent Office, and which appeals with equal force to this court, consists of an advertisement which was issued by Gawiler in marketing his shields. This was in June, 1932. It consisted of a small two-page leaflet. The drawings for the circular were made by A. J. Stahmer, of 72 Columbia Street, Seattle, Washington, from a picture of a hen cut from a magazine and handed to Mr. Stahmer by Gawiler. This picture is printed upon one page of the leaflet which is folded into four pages. On the interior of the leaflet is a representation of the rump and vent of a hen with a shield suspended from a safety pin inserted into the fleshy portion of the rump. These circulars were distributed generally, 5,000 being issued. They were released in June, 1932. Thereafter, Gawiler received a circular from the party Rudolph, which is known in the record as Exhibit No. 23, and a comparison of which will be made with the Gawiler circular, known as Exhibit No. 20, hereinafter.

At the time of the taking of the testimony herein, the appellant was 23 years of age, and lived at Maple Avenue and Spring Road, Vineland, New Jersey. The appellant testified that he first conceived the idea embodied in his shield, which is a practical duplicate of the Gawiler shield, on or about July 4, 1925, when he was 14 years of age. It does not appear that up to that time Rudolph had ever had any experience in farming, or in raising chickens of any kind. He was on a vacation at a poultry farm, and on that day the farmer, one Schultz, had a "pick-out." The farmer tried to protect the vent after the picking was done, by the use of a needle and thread passed into the tail head of the chicken, and to which was attached a piece of cloth. Rudolph watched him, and as he sat looking at the box where the needle and thread were kept, he saw a safety pin, and it occurred to him that the pin would answer the same purpose. His father, he stated, had been a sheet metal worker for many years, and he thought that metal would be better than a cloth, so he procured a piece of a tin can, cut the same out by hand, and attached the safety pin to the top. He put vent holes in the shield to give the chicken air, and had the farmer put the shield on the chicken. He was not able to produce the shield, but states that the chicken died a few days later, and the chicken and shield were thrown away. He states, however, the shield was curved to fit the form of the chicken. Nothing further appears about his activity along this line until 1929, when he was 18 years of age, when he went to the poultry farm of a man by the name of Miller, who was his brother-in-law, and which farm was located at Vineland. He prevailed on Miller to try some shields which he made at that time, and which were substantially like those he says he first conceived.

In September, 1929, he claims Miller used some of these upon chickens for about a month, whereupon Miller sold his chickens and the shields were taken off. None of these shields were offered in evidence by him at that time, although Miller afterwards produced one. Rudolph also claimed that in 1931 he made some shields for his brother, practically the same as those formerly made by him, with a slight indentation to hold the safety pin more firmly. In 1932 the appellant went on a farm, and at the end of 1932 "and about the beginning of 1933" he sold some of his shields made by a machine which he had ordered in October, 1932. This machine was delivered in February, 1933. From that time until the time application for patent was filed, he sold about 1,500. The party Rudolph claims that he delayed application for patent on account of lack of funds, and that as soon as he procured the necessary funds he filed the application, paying the fee with borrowed money. The farmer with whom the party Rudolph was staying at the time of his alleged conception was a man by the name of Schultz, who, although not a relative, was a close friend of Rudolph's father, and came from the same town in Russia. Rudolph testified that he got out his first advertising of his product in March, 1933; that the circular had the picture of a fowl on the outside cover; and that the circular was made by the Standard Printing Company, of Vineland.

On cross-examination, he stated that the picture of the fowl on the circular was furnished by the printing company which had a cut of a chicken, and stated that the drawings and the cut were made in Philadelphia, by the Atlas Photograving Company, located on Sansom Street. These cuts, it is said, were made about the beginning of March, 1933. He also states that drawings were sent to him and that he "okayed" them, and from these the cuts were made. The first circulars, it is stated, were printed by John Daly, of Forty-second and Ogden Streets, Philadelphia, from the cut supplied by the Atlas company in March, 1933. Thereafter, the witness corrected himself and stated that his first cuts were made by the Atlas Photograving Company and printed by John Daly, and that thereafter a new cut was used by the Standard Publishing Company, of Vineland, which had on it a statement that a patent was applied for. None of the drawings for these cuts were produced by the witness.

In support of the testimony of the party Rudolph, Jerome G. Miller testified that in 1929 Rudolph made some "pick-out" shields for his chickens on a small farm at Vineland, and produced one of the shields which was introduced as Exhibit No. 2, and which is practically the shield of the issue. He states that Rudolph told him to throw the shields away when he sold his chickens, but that he still retained about five of them, one of which he had produced. The witness Nathan Schultz testified that in 1925, on July 4th, Rudolph was at his place, made a tin shield and put it on a chicken which had been suffering from a "pick-out"; that he made 5 or 6 shields, but that the chicken died, and he threw the chicken and all of the shields away, as he "did not want any further use of them."

Alfred A. Rudolph, a brother of the appellant, testified that the appellant had been at Mr. Schultz' place in July, 1925, and that the appellant, at that time, told him about having made a shield. He also corroborated his statements about his visit to Miller in 1929, and about having seen shields put on chickens at that time. He also corroborated his brother as to what occurred at the witness' farm in 1931, and that, at that time, appellant made about 500 shields for him, and about his manufacture of the same in 1933. This witness also produced a shield which he claimed had fallen off of a hen at his place "about five or six months after September, 1931." This witness testified that the first drawing was made in March, 1933, and that he made most of the drawings; that he had told an artist that he "wanted a chicken made with a shield on it," and that he, the artist, did all the work.

[1] [2] It was incumbent upon the appellant under the facts in this case to prove at least by a preponderance of evidence that prior to January 22, 1932, appellee's date of filing, that he, the appellant, had conceived and reduced the subject matter of the interference to practice.

If we were to take the testimony of the appellant and the witnesses who testified for him at its face value, it would appear that sufficient proof has been made. However, there are so many circumstances arising in the case that we can find no fault with the tribunals of the Patent Office in failing to find that he has maintained the burden imposed upon him. The reasonableness or unreasonableness of the story told by the appellant must be taken into account. Small facts and circumstances oftentimes throw greater light on the true situation than can be afforded in any other way. When we look to the case, we find a party who, through many years, struggled to solve a problem which had been unsolved for years, and which was exceedingly troublesome. Finally, out of the experiences which he had, through years, and as a result of experimentation, study, and effort, he found a solution. On the other hand, we have a boy, fourteen years of age, city bred and raised, knowing nothing about chickens or farming, who, upon the first occasion that he discovers the presence of a problem, solves it instanter, and without apparent effort. Not only does he at once conceive of the method of prevention, but he seizes upon the materials, makes one, even puts ventilators in it, although, so far as his experience is concerned, it may need nothing of the kind. Time goes on, and he gives no more attention to it, and then, again, we find him making more of the same devices. He says that he saw a safety pin and thought at once that this could be used. To the ordinary person it would appear that this would be a cruel and painful thing to use. In fact, one of the Examiners in the Patent Office, on Gawiler's application, refused it at one time on that ground. However, this boy seems to have known

at once that nothing of the kind would occur, and that it could be used without pain and without loss of egg-laying properties. Even after the hen upon which it was placed had died, and the hen and device had been throw away, he still felt that the invention was a success and repeated it in 1929. Then, again, according to his story, we find him throwing the devices away which Miller had used, although unexpectedly five of them appear at the hearing.

The most significant fact, however, is found in the advertisements. That people in Vineland, which is shown to be a city of about 20,000 inhabitants, especially poultry raisers, knew of the Gawiler device before Rudolph began to manufacture them in quantities, is apparent from the communications which passed. It is not unreasonable to assume that Miller or Rudolph or his brother might have obtained this information, although they deny it. Two different people in the town desired to be agents, which indicates a considerable knowledge in that vicinity, of Gawiler's device. When Gawiler prepared his advertising material, he procured some drawings to be made in the State of Washington, and sent out these leaflets. On the interior was a representation of the rump and vent of a hen, with a shield attached by means of a safety pin. It is not an accurate drawing, and is quite rude. However, when in a short time thereafter Rudolph issued a similar leaflet, it was of exactly the same size, folded in the same manner, and contained upon the interior a practical duplicate of the rump and shield in the interior of Gawiler's pamphlet. Even the arrows which point to certain points of the device are drawn in the same manner, with the same curves, and every feather and shading is made in the same manner. The only difference is that the Rudolph shield is somewhat differently shaped and contains his name and "patent pending." On one of the outer pages of the pamphlet appears in each case the representation of a chicken with a shield attached. They are exactly identical, with the exception of four small ventilator holes which appear in the shield on the Rudolph leaflet. The comb of the fowl, each feather, each shading, the conformation of the ground, the representation of the foliage thereon, and each shading of the feathers is exactly the same in each case. There can be no doubt, under any circumstances, upon comparing these two cuts, that they were made from the same drawing, by the same person. Yet Rudolph and his witnesses testify that they were made by independent artists from suggestions made by him and his brother. The original cuts or drawings are not in evidence, and no attempt was made to bring the original artist who prepared the Rudolph cuts, although he was available, and his address was given.

We agree with the conclusion of the Patent Office tribunals, and the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this case.

U. S. Court of Customs and Patent Appeals

IN RE ALLEN

No. 3,772. Decided March 29, 1937

[88 F.(2d) 705]

PATENTABILITY—HIGH SPEED CUTTING TOOL.

Claims for a high speed cutting tool made of a steel alloy having certain specified constituents *Held* unpatentable since there was ample suggestion in the prior art that this particular material might be profitably used in making such a tool.

APPEAL from the Patent Office. Affirmed.

Mr. William A. Smith, Jr., *Mr. Dexter N. Shaw*, and *Mr. Charles H. Howson* for Allen.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Henry B. Allen filed his application in the United States Patent Office for a patent relating to a cutting tool for high speed cutting of non-metallic materials. The Primary Examiner finally rejected claims 1 and 2 which are the only claims in the application. They read as follows:

1. A cutting tool for high speed rotary cutting of non-metallic materials composed of a steel of the high-carbon, high-chrome type whose analysis falls within the following limits: carbon 1.50% to 2.25%, manganese .20% to .60%, silicon .10% to .40%, chromium 11.50% to 13%, sulphur maximum .40%, phosphorous maximum .040%, balance substantially all iron.

2. A cutting tool for high speed rotary cutting of non-metallic materials composed of a steel of the high-carbon, high-chrome type having substantially the following analysis: carbon 1.75%–1.85%, manganese .25%–.35%, silicon .20%–.30%, chromium 12.0%–12.5%, sulphur maximum 40%, phosphorous maximum .40%, balance substantially all iron.

The references relied upon by the Examiner were: Comstock, 1,815,613, July 21, 1931; Comstock, 1,695,916, December 18, 1928; Gill, 1,727,282, September 3, 1929.

Upon appeal to the Board of Appeals, the decision of the Examiner rejecting the claims was affirmed for substantially the same reasons as those assigned by the Examiner. The references were not discussed at length by either tribunal. Certain features of the Comstock patents were referred to and discussed by the Board. Owing to the admissions made by appellant hereinafter referred to, it appears obvious that no detailed consideration of the references, except possibly certain features of the Comstock reference, 1,815,613, need be indulged here.

In describing his invention relating to the cutting tool for high speed cutting of non-metallic materials, appellant, in his brief, states:

The cutting tool for the high speed rotary cutting of non-metallic materials of appellant's invention is composed of a steel of the high-carbon, high-chrome type in which there is present carbon from 1.50% to 2.25% and chromium from 11.5% to 13% with small amounts of the usual elements of steel in addition to the iron which makes up the balance of the product (Rec. p. 5).

Appellant makes no claim to the steel, per se, and points out in his affidavit (Rec. p. 19) that it has been known for at least thirty years, and has been personally known to him since 1913. Although the steel composition was very old, it had never been used *in a cutting tool for any purpose*. In fact, the steel was known to have no utility in a cutting tool for metals (infra pp. 14–15). Its use had been limited to wire drawing and roller threading dies, and punches for metal, where an entirely different type of action is encountered. In these uses there is merely a displacement of the metal caused by exertion of pressure, in contradistinction to the removal of chips and the like by the sharp edge of the tool and the relative movement between the cutting element and the material being cut (Rec. p. 19, par. 4). These facts are evidence of appellant's claim to invention. * * *.

The benefits which he claims flow from his invention are: First, his cutting tool when used on non-metallic materials may be used three times longer than prior art cutting tools. Second, his cutting tool is tougher than cutting tools previously known, and breakage is thereby reduced to a minimum. Third, his cutting tool is less expensive both from a standpoint of material and manufacturing cost. Fourth, the operations in hardening and tempering his cutting tool may be performed at much lower temperatures than if high speed alloy tool steels were used.

The Patent Office tribunals, after stating that the steel used by appellant was old in the art of tool making, pointed out that appellant's claimed invention rests solely upon finding a new use for an old material and that it did not require invention to put the old material to the new use of making tools for cutting non-metallic substances such as synthetic resin products.

Appellant frankly admits that the prior cited art shows that a steel such as he uses was old in the art of making punches, dies, etc. He states he made no claim to the steel per se because this steel had been known for at least thirty years and personally known to him since 1913, but asserts that it had never been used in a cutting tool. Appellant also contends that, prior to his discovery, a tool of this character had been proven to be unsatisfactory when used for cutting metals and that this fact would ordinarily be calculated to induce those skilled in the art to believe that it could not be satisfactorily used in tools for cutting non-metallic substances.

In affirming the action of the Primary Examiner in denying the claims, the Board said:

As a general rule, the mere substitution of one old and well known material for another is not a matter of invention, even though the substitution leads to the production of a superior article. In some cases, where the new use involves new properties of the materials, the act of substitution has been held to amount to invention. Although the appellant admits that the steel used by him is old in the art, the references cited by the Examiner require consideration to determine whether or not the properties of this material were such as to lead one to believe that it might be useful as a material from which cutting tools for non-metallic materials might be made.

Considering the difficulty involved, one would expect any steel having considerable hardness, and known to be resistant to wear, worthy of trial. The Comstock patent, 1,815,613, says of high-carbon, high-chrome steels that they, like the manganese steels, have a high resistance to abrasion. Comstock also says that products resulting from their use may be hardened in air, oil or water. While the steels discussed by Comstock went into the production of cutting tools, designed for high-speed work, the steel itself was used as a binder for tungsten carbide, the latter being present in quantities up to 95% in some instances.

The second Comstock patent, in discussing a similar steel, again mentions its high resistance to abrasion. It also speaks of the characteristic of hardness. In patent 1,695,916, Comstock was particularly concerned in producing a steel having the general characteristics of high-carbon, high-chrome steel but with a slightly lower carbon content to permit annealing, and hence subsequent machining. Comstock contemplated using this steel for dies such as are used to form the sheet metal parts of automobile bodies. On page 3 of the patent, Comstock says:

"The steel has a very high resistance to abrasion and is therefore particularly adapted for dies and punches, although the steel may be used for other purposes."

Again he says:

"It should be understood that the steel may be used for other purposes, particularly where great hardness and resistance to abrasion are desired in the finished article, combined with easy machining of the annealed material."

From the matter quoted it seems to us that one desiring a material for tools likely to become dulled by abrasion would see in the material discussed by Comstock one suitable for his particular purpose. We are unable to see that the selection of material involved in this application required the exercise of invention.

It seems to us that the question involved is whether or not, under the circumstances of this case, there was invention involved in putting the old material to a new use. As a general proposition of law, the mere substitution of materials is unpatentable. *In re Schoenrock*, 19 C. C. P. A. (Patents) 1268, 59 F.(2d) 235, 424 O. G. 329; *In re Fischer*, 20 C. C. P. A. (Patents) 708, 62 F.(2d) 96, 427 O. G. 261. To this rule there are exceptions. Sometimes the exception rests upon the proposition that the known use of the old material was in an art so far removed from that of the new use as to be wholly nonanalogous and not suggestive of the new use. *In re Covey*, 20 C. C. P. A. (Patents) 962, 63 F.(2d) 982, 432 O. G. 756. The exception also may rest in the novel use of the article producing a result different in kind. *Smith* v. *Goodyear et al.*, 93 U. S. 486, 11 O. G. 246. The decisions, however, seem to be uniform on the proposition that where the new use of the old material merely brings about beneficial results differing only in degree, invention is not present. In the instant case, the prior art showed that it was old to use appellant's material in making punches, which are metal tools. It is true that a punch is not a high speed cutter, but the principle of resistance to abrasion is involved in both instances. Appellant's claimed invention is said to rest largely upon the fact that in his use of the old material there is much less abrasion than in other known uses. Comstock, 1,815,613, not only shows what the Board stated it shows, but in a specific example given (Example I) states:

A specific example of a composition suitable for use in the production of tools, such as drawing dies, extrusion dies, high speed cutting tools, such as bits, shapers, drills, cutters, saws, and the like, is as follows:

Tungsten carbide, 87.00%, 13.00% of a manganese steel as herein referred to.

It seems to us that there is ample suggestion in the prior art cited, which is not sufficiently nonanalogous to be barred from consideration, to suggest to one skilled in making cutting tools that the old material might be profitably used in the art of making a high speed cutting tool for use on such materials as resins, and that appellant, in what he has done, has exercised no more than the mechanical skill of one experienced in the art.

We do not think it necessary to discuss in detail the cases relied upon by the appellant. In each of the cases relied upon, where there was a substitution material depended upon for patentability, there were facts which are not disclosed in the record at bar. Pertinent to our position in the instant case, we think, are the following decisions: *In re Lawrence Byck*, 18 C. C. P. A. (Patents) 1208, 48 F.(2d) 665, 410 O. G. 284; *In re John Wesley Marden*, 18

C. C. P. A. (Patents) 1046, 47 F.(2d) 957, 409 O. G. 559; *In re Heap*, 22 C. C. P. A. (Patents) 950, 74 F.(2d) 948, 456 O. G. 265; and *In re Neuberth*, 23 C. C. P. A. (Patents) 1070, 82 F.(2d) 718, 470 O. G. 720.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE MCFERRAN

No. 3,780. Decided March 29, 1937

[88 F.(2d) 701]

PATENTABILITY—MOTOR DRIVEN FOOD CHURNING DEVICE. Claims for a motor driven food churning device to be placed inside a mechanical refrigerator *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Arthur F. Robert and *Mr. Joseph W. Milburn* for McFerran.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Claims 1, 17, 18 and 19, being all the claims on appeal, of appellant's application for motor driven food churning devices, were rejected by the Primary Examiner of the United States Patent Office, no claims being allowed. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed, and appeal has been taken here for review of the decision of the Board.

Appellant's device is a unit to be placed in the freezing compartment of a household mechanical refrigerator after the usual ice cube pans are removed. The unit consists of a receptacle having a stirrer for the ice cream. It is necessary to stir the cream so that the texture will be smooth. The stirrer is driven by an electric motor which is attached to the stirring receptacle and is also inserted into the freezing compartment. The means connecting the motor to the receptacle consists of a pair of arms which, at the ends connected with the receptacle, are downwardly turned in order to fit into lugs on the receptacle. The invention consists in so insulating the connecting parts between the motor and the receptacle that heat generated from the motor will not retard the freezing of the contents of the receptacle. This means consists, first, in insulating liners between the lugs of the downward extensions from said arms in order to prevent transfer of heat from the motor to the receptacle through the arms, and, second, in insulating the supports for the motor in order that the heat from the same will not pass through the bottom of the compartment and into the receptacle.

Claim 18 is regarded as illustrative and reads:

> 18. A food churning device of the class described comprising a churning vessel having a dasher, a motor arranged adjacent to said vessel in driving relation with said dasher and connecting means securing the motor and the vessel together as a unit which is adapted for insertion into the freezing compartment of a mechanical refrigerator, said connecting means including insulated portions of low heat conductivity which substantially limit the direct transfer of heat from the motor to the vessel.

The references relied upon are: Simmons et al., 1,763,567, June 10, 1930; Lindsey, 1,936,723, November 28, 1933.

The patent to Simmons et al. is for a freezing unit much like that of the applicant, except for the alleged invention, and which unit is placed in the freezing compartment of a mechanical refrigerator. It has a stirrer and a motor and all the elements of appellant's structure except the insulating means for preventing the heat being conducted from the motor to the freezing receptacle. This fact is conceded by all.

The patent to Lindsey discloses a freezing receptacle inside the freezing compartment of an ordinary mechanical refrigerator to which is attached a motor which drives the stirring element in the receptacle, which motor is placed on the outside of the refrigerator, either on the wall or the door, preferably the door, with the insulated door between the motor and the refrigerating compartment of the refrigerator. Lindsey states, among other things, that the object of his invention is

> "to provide a freezer whose driving motor is located outside of the refrigerator so that its heat will not tend to raise the temperature of the refrigerating chamber or that of the refrigerator unit."

The Examiner and the Board of Appeals were of the opinion that it would not constitute invention over the disclosure of the device in Simmons et al. to provide insulation in the connecting means between the motor and the receptacle in view of the disclosure of Lindsey who had placed his motor on the outside of the refrigerator. This holding is the sole ground of rejection of the appealed claims and presents the sole question here for decision.

It is shown in the record that in devices like that of Simmons et al., for some reason not understood prior to appellant's invention, heat from the motor unit would find its way into the freezing chamber and retard, if not prevent, freezing of the contents of the receptacle. According to the record, whether the heat was deflected from the motor or conducted through certain connecting parts had not been determined prior to appellant's invention. Appellant discovered by experimentation that the objectionable heat was inducted from the motor to the walls of the receptacle through the rigid means for connecting the motor to the receptacle or at least he discovered that when the effect of said inducted heat was avoided, the problem was solved. Instead of taking the motor out of the refrigerator, as did Lindsey, he conceived the notion of insulating the rigid connecting means so that the heat would not be conducted from the walls of the motor enclosure to the walls of the receptacle. Upon constructing a device as aforesaid, he discovered that the device worked properly and that the contents of the receptacle would promptly freeze and that the difficulties encountered with prior art structures had been overcome. Affidavits to this effect were submitted and considered by the tribunals below.

It was the view of the tribunals that Lindsey had solved the same problem. We are of the opinion that Lindsey's solution of the heat problem was wholly different from that of appellant. Appellant's structure is unitary. When not needed, it can be taken out and laid aside. No cumbersome motor on the door of the refrigerator is encountered. A successful unitary plant was sought by Simmons et al. Lindsey did not produce such a structure, but appellant did. It is not thought that placing the motor outside the refrigerator and thus avoiding the heat problem would suggest to anyone that the heat was necessarily conducted through the connecting arms and wall portions of the structure nor would it suggest that insulating these portions would solve the difficulty. Lindsey would have solved the heat problem by placing the motor in a position entirely away from the refrigerator. The fact that there was insulation in the door of the refrigerator of Lindsey would hardly suggest that the small amount of insulation employed by appellant at the critical points, having discovered that the undesirable heat resulted from induction rather than reflection, would likewise solve the problem.

We think appellant has greatly contributed to the art in question, and that indubitably there is enough doubt on the question as to whether or not his contribution required the exercise of the inventive faculty to require application of the usual rule that such doubt should be resolved in favor of the applicant. Under the circumstances, therefore, we are of the opinion that the appealed claims should have been allowed.

The decision of the Board of Appeals is reversed.

Reversed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE BERTRAM

No. 3,784. Decided March 29, 1937

[88 F.(2d) 834]

PATENTABILITY—PUBLIC USE.

> Where a machine for cutting a concave surface on the topmost or attaching face of a shoe heel was demonstrated to possible purchasers by manufacturing heels with such a surface and contracts for sale of machines were made *Held* that this demonstration constituted a public use and as such use was more than two years prior to the filing of the B. application, the appealed claims were properly rejected.

APPEAL from the Patent Office. Affirmed.

Mr. Thomas E. Robertson and *Mr. A. D. Salinger* for Bertram.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

The instant appeal, according to the reasons of appeal, is from two decisions of the Board of Appeals of the United States Patent Office, affirming the decisions of the Primary Examiner, the first of which held that the subject matter of the claims was in public use and on sale more than two years prior to the filing of the application, and the second finally rejected thirteen claims of the Bertram application, filed May 14, 1931, for a wood heel-making machine. The rejection was solely on the ground that the subject matter of the claims had been in public use and also on sale more than two years prior to the filing of the Bertram application.

Bertram, as junior party, had been in an interference proceeding in the Patent Office with Walter C. Brooks and John W. Staples. The Brooks and Staples application had been filed October 7, 1929. Ten of the thirteen claims at bar were there involved. Priority of invention was awarded to Bertram, and Brooks and Staples did not appeal. Subsequently, a public use proceeding was instituted against Bertram for the reason that the proofs presented by Brooks and Staples in the interference proceedings were believed to show prima facie that the invention defined in the Bertram claims was in public use and on sale in the United States for more than two years prior to Bertram's filing date. Further proofs were taken. The Primary Examiner then held that the Brooks and Staples activities established both a case of "public use" and a case of "on sale" against Bertram. Upon appeal, the Board of Appeals affirmed this decision. Thereafter, the Primary Examiner, *ex parte*, finally rejected the thirteen claims here involved, and his decision was affirmed by the Board for the reasons stated in its decision in the public use proceeding.

Attention is here called to the fact that the critical date from which the two year period started to run is May 14, 1929.

The invention involved in the interference and that defined by the claims at bar relates to a machine for cutting a concave surface on the topmost or attaching face of a shoe heel. In prior practice, this operation had been carried out by hand or by the use of machinery which did not give satisfactory results. Since there is no question about the nature of the invention, it will not be necessary to quote the claims or further discuss the features of the machine involved in appellant's application or the one which is alleged to have been used by Brooks and Staples more than two years prior to the filing date of Bertram.

There was much testimony taken in the two proceedings referred to, but it is agreed that there is little, if any, conflict in the testimony and that there is no issue raised as to what the testimony shows. The sole question presented is one of law and involves only the ascertainment of whether or not the activities of Brooks and Staples prior to the Bertram filing date show a "public use" or "on sale" for more than two years prior to May 14, 1931, within the meaning of section 4886 of the Revised Statutes, the pertinent provisions of which may be presented in the following deleted form:

> Sec. 4886. [U. S. C., title 35, sec. 31.] Any person who has invented or discovered any new and useful * * * machine * * * not in public use or on sale in this country for more than two years prior to his application * * * may * * * obtain a patent therefor.

In view of our conclusion, it will not be necessary for us to consider the question as to whether or not the record shows that the invention was "on sale" prior to the critical date except insofar as such evidence may have a bearing upon the question

which we are here called upon to decide, to wit, was the invention in "public use" for more than two years prior to the filing of the Bertram application.

The testimony, we think, clearly establishes the fact that the machine of Brooks and Staples as it existed and as it was operated prior to the critical period was a completed invention. It performed the functions for which it was intended and we do not regard it as important to consider minor improvements which might have been made subsequently. The new improved machine before the critical date was successfully operated in producing a new and novel result in the manufacture of shoe heels for which it was designed, and for the purpose of demonstrating that it was a completed and saleable invention. It had clearly passed the experimental stage.

The demonstrations, made by Brooks and Staples, were made to people who were invited to see the machine and its operation for the purpose of inducing such persons to enter into contracts of sale of machines like the one operated which were thereafter to be built. There was no pledge of secrecy and the exhibitions were not private or secret and may be regarded as public in character. As a result of the demonstrations and the negotiations between Brooks and Staples and prospective purchasers, two contracts of sale were made before the critical date. It is stated that delivery was not made until long after the critical period and that prior to the critical period Brooks and Staples had no machine except the one operated which could have been sold. The record shows that in both instances part payments by the machines' purchasers were made. One of the sales contracts was in writing and the other verbal. One of the prospective purchasers brought with him a basket of blank shoe heels. These were operated upon in his presence to his entire satisfaction and at that time he entered into a contract to purchase a machine and partly paid for the same. The record is not clear what final disposition was made of the heels so operated upon and, under the circumstances of this case, we do not regard this fact as important. The record abundantly supports the conclusion that the demonstration was not made for the purpose of discovering or curing defects in the machine or to experiment with the view of further improving the same. The demonstrations were made by Brooks and Staples, who were machine builders and not dealers in shoes or shoe heels, in that line of their business which involved the sale of the machines they made.

The Board of Appeals, in affirming the decision of the Primary Examiner in rejecting appellant's claims directed attention to the reasons stated in its decision in the said interference proceeding.

Concerning the contentions of the appellant and the Board's view of the law applicable to the facts in this case, the Board said:

> Appellant has argued at considerable length and cited numerous cases in support of his contention that a test use for purposes of reduction to practice is not a public use and as we are thoroughly in accord with this view, it is unnecessary, we believe, to enter into a discussion of this aspect of the situation. While the Examiner relied upon the demonstration during which orders were taken as a completion of the reduction to practice, it is entirely possible that the party Brooks and Staples had completed a reduction at an earlier date. However, whether this be true is not deemed material as there appears to be no dispute but that the so-called experimental machine was demonstrated before prospective customers and that orders were taken to build a similar machine. There also appears to be no dispute but that the demonstration machine was capable of performing its intended function and that, while it perhaps was not in perfected condition, it probably could have been sold and was capable of use to concave heels which could have been employed commercially.
>
> We have carefully considered the decisions relied upon by the parties and while there may be some dicta which may be argued as pertinent to this situation, we have been unable to discover any decision where the facts are the same.
>
> It is our view that, even if the operation relied upon to establish public use must also be relied upon for a reduction to practice, just as soon as the party demonstrating or testing the machine offered to take orders for similar machines, it is to be presumed that the operation ceased to be merely experimental or for reduction to practice purposes and became use of another nature. Where a use is public, it is believed that the law regards it either as experimental or public use as we know of no authority for a third use, to be regarded as a "demonstration use", and which is neither of the other two.
>
> Perhaps the following excerpt from the decision, *Smith & Griggs Mfg. Co.* v. *Sprague*, 123, U. S. 249, referred to in appellant's brief, is the clearest statement of the law:
>
> "A use by the inventor, for the purpose of testing the machine, in order by experiment to devise additional means for perfecting the success of its operation, is admissible; and where as incident to such use, the product of its operation is disposed of by sale, such profit from its use does not change its character; but where the use is mainly for the purposes of trade and profit, and the experiment is merely incidental to that, the principal and not the incident must give character to the use. The thing implied as excepted out of the prohibition of the statute is a use which may be properly characterized as substantially for purposes of experiment."
>
> We believe in this instance that the demonstration was mainly for purposes of trade and profit and that it constituted a bar to the grant of a patent to appellant.

The chief contention of appellant is, we think, embodied in the following quotation from his brief:

> • • • the unquestionable fact stands out most clearly that so far as concerns any so-called "use" that was made of said machine, *such "use" was purely and wholly experimental*, as distinguished from a commercial or substantial use such as would constitute a bar within the meaning of the two years' public use provision of the statute and the decisions pertaining thereto. In fact, it is overstating the matter to call what was done with this machine at that time a "use" of any kind, for the sporadic operation of the machine was not for the purpose of *using* it, in any proper sense, the machine having been operated merely for test purposes and to show others how it worked.
>
> • • • • • • •
>
> Undeniably the operation of this machine to concave a few heels was merely for the purpose of showing interested parties how the machine worked, and there was no question of "trade and profit" with respect to that particular machine, or with respect to the operation thereof, or the product produced by that operation. Clearly, the mere fact that Brooks and Staples, by means of such operation of the machine, hoped to, and actually did, induce some heel manufacturers to place orders for similar but improved machines to be subsequently built, does not in any way change the character of such operation of the machine, or transform what was plainly a mere exhibition and demonstration of the machine into a "use" within the public use provision of the statute.

It will be noticed that the appellant contends that a demonstration use, such as that now under consideration, is not a use within the meaning of the statute. We have carefully read all the authorities cited and many others and we cannot conclude that the Board was in error when it stated:

> "Where a use is public, it is believed that the law regards it either as experimental or public use as we know of no authority for a third use, to be regarded as a 'demonstration use', and which is neither of the other two."

The demonstration use for the purpose of making sales under the circumstances such as prevailed here, implies that the invention had been completed by reduction to practice and that the use was not for the purpose of improving the machine so as to complete the invention. We think that it was a use in the business of the users. It was a use in which the public became advised of the utility of the invention at a period more than two years before Bertram asked for his reward.

While there are no authorities which involve the exact state of facts or the exact question of law here under consideration, there are pertinent authorities which, in principle, suggest the correctness of the decision of the Board. Questions involving the public use of an invention have been before the courts of this country on many occasions during the last hundred years. In *Shaw* v. *Cooper*, 7 Pet. *292, *322, the court said:

> A strict construction of the act, as regards the public use of an invention, before it is presented, is not only required by its letter and spirit, but also by sound policy. A term of fourteen years was deemed sufficient for the enjoyment of an exclusive right of an invention by the inventor; but if he may delay an application for his patent, at pleasure, although his invention be carried into public use, he may extend the period beyond what the law intended to give him. • • •

A later decision, and the most pertinent one we have found, was cited by the Board of Appeals—*Smith & Griggs Manufacturing Company* v. *Sprague*, 123 U. S. 249, 41 O. G. 1037. While that case involved a use of an invented machine for the manufacture of the goods which appellee sold in his established business, it was concerned directly with the question as to whether or not the use was experimental. In discussing this use, the court said:

> • • • And if, without the use of the combinations contained in the excluded claims, the complainant had a machine practically useful for the purpose for which it was designed, which could be used with commercial success as superior to modes of manufacture previously in use, and which, in fact, he did so use for profit in the ordinary course and conduct of his business, and for the purpose of a successful prosecution of that business, it can hardly be said with propriety that such use was merely experimental, although during the period of its operation he was also engaged in the invention of improvements by which he hoped and expected to make it more valuable and useful.
>
> A use by the inventor, for the purpose of testing the machine, in order by experiment to devise additional means for perfecting the success of its operation, is admissible; and where, as incident to such use, the product of its operation is disposed of by sale, such profit from its use does not change its character; but where the use is mainly for the purposes of trade and profit, and the experiment is merely incidental to that, the principal and not the incident must give character to the use. *The thing implied as excepted out of the prohibition of the statute is a use which may be properly characterized as substantially for purposes of experiment. Where the substantial use is not for that purpose, but is otherwise public, and for more than two years prior to the application, it comes within the prohibition.* • • • [Italics ours.]

We have italicized certain very significant language which, in substance, says that if there is a substantial use not for the purpose of experimentation, such use falls within the prohibition. It is true that in that case the use was said to be "mainly for the purposes of trade and profit." The Board concluded that the demonstration use here under consideration was mainly for purposes of trade and profit. Without holding that, under the circumstances of this case, the question of trade and profit is a controlling one, we may say that we know of no other motive which Brooks and Staples might have had in demonstrating the machine. It certainly resulted in trade, and presumably resulted in profit. It is true that the said operation of the machine did not (as far as the unquestioned statement of facts shows) produce goods from the handling of which trade and profit flowed, but the machine was operated for the only purpose for which it was intended and trade and profit resulted from such operation.

In view of our conclusion as to public use it is not necessary for us to consider the question as to whether or not the invention was on sale prior to the critical date.

We are in agreement with the conclusion of the Board of Appeals that the record discloses that the invention defined by the claims was in public use for more than two years prior to the application within the meaning of the statute, and that the decision of the Board, affirming that of the Examiner, in rejecting said claims was correct, and should be, and it is, affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

MOTLOW *v.* OLDETYME DISTILLERS, INC.

No. 3,774. Decided March 29, 1937

[88 F.(2d) 732]

TRADE-MARKS—USE OF MARK—MUST BE BEFORE APPLICATION.

Under the provisions of the Trade-Mark Act of 1905, a trade-mark may not be registered if it was not in use by the applicant when his application was filed.

APPEAL from the Patent Office. Affirmed.

Mr. Chauncey P. Carter for Motlow.

Mr. Herbert J. Jacobi, *Mr. William J. Jacobi*, and *Mr. George C. Baldt* for Oldetyme Distillers, Inc.

LENROOT, *J.*:

This is a trade-mark opposition proceeding wherein the Commissioner of Patents reversed a decision of the Examiner of Trade-Mark Interferences dismissing the opposition of appellee, and held that appellant was not entitled to the registration of the trade-mark for which he made application.

On July 19, 1933, appellant filed application under the Trade-Mark Act of February 20, 1905, for the registration of a composite trade-mark for whiskey, one feature of which mark consisted of the words "Old Time Distillery." The application states:

> The trade-mark is applied and "affixed" to the goods by printing, engraving or lithographing the same on labels that are fastened to the containers and has been used in the business now owned by the applicant in connection with the goods named herein since 1905.

On July 12, 1934, appellee filed notice of opposition, alleging that it was incorporated under the laws of the State of New Jersey on or about December 19, 1933; that the dominant part of appellant's mark is the words "Old Time Distillery"; that said words are substantially identical with opposer's (appellee's) corporate title, and therefore registra-

tion of said mark should be refused under the provisions of said trade-mark act.

Appellee in its notice of opposition also alleged:

10. That as your petitioner is informed and believes and therefore charges, the applicant herein is not the owner of the trade-mark sought to be registered; that the mark sought to be registered was abandoned by the original owner thereof and no assignment of such mark given to the applicant herein; that the applicant is not entitled to claim use of the mark sought to be registered since 1905 since he is not the legitimate assignee of the original owner of the trade-mark; that as applicant is informed and believes and, therefore, charges, the applicant was not engaged in the manufacture, rectification and/or sale of whiskey at the date of the filing of the application for registration of the mark sought to be registered; that applicant did not have use of the mark sought to be registered at the date of the application for registration thereof; that applicant is not now engaged in the manufacture, rectification and/or sale of whiskey bearing the trade-mark sought to be registered and has no license to manufacture, rectify and/or sell whiskey, so that registration should be refused applicant on the mark sought to be registered.

Other allegations respecting confusion in trade and damage to appellee were made, not necessary to be considered upon this appeal. Appellant filed an answer to the notice of opposition, the eighth paragraph of which reads as follows:

Applicant admits that he was not actually manufacturing, rectifying and/or selling whiskey on the date on which he filed this application for registration, but avers that he now has a Federal license to engage in such business, and is preparing to do so, and applicant denies all other allegations of paragraph 10 of the Notice of Opposition. Applicant further avers that he has personally used the trade-mark applied for long prior to opposer's alleged incorporation, and has never abandoned the same.

No testimony was taken and final hearing was had before the Examiner of Trade-Mark Interferences upon the pleadings, and the notice of opposition was dismissed upon the ground that appellee was not in existence at the time of the filing of appellant's application, and therefore appellee had no standing to oppose appellant's application upon the ground that a part of appellant's mark was the corporate name of appellee, and was not entitled to invoke the name clause of section 5 of said Trade-Mark Act.

Upon appeal to the Commissioner, he agreed with the Examiner of Trade-Mark Interferences that appellee had no right to oppose the registration of appellant's mark upon the ground that it comprises substantially appellee's corporate name, inasmuch as the date of incorporation of appellee was subsequent to the filing date of appellant's application. He further held, however, that appellant was not using the mark applied for in commerce at the time of filing his application, and for that reason he reversed the decision of the Examiner of Trade-Mark Interferences and adjudged that appellant was not entitled to the registration of the mark applied for.

Appellant thereupon took the appeal which is now before us. Two questions are presented for our consideration:

1. Does the record disclose a non-use of appellant's mark by him at the time of the filing of his application?

2. If the first question be answered in the affirmative, does the fact that the National Prohibition Act and the Eighteenth Amendment to the Constitution were in force at the time appellant's application was filed, and for more than fourteen years prior thereto, preventing him from manufacturing or selling whiskey to which he could apply the mark, enable him to claim use of the mark at the time of filing his application, appellant having used the mark in commerce prior to January 29, 1919, the date said amendment was ratified?

We think the admission in appellant's answer, dated October 12, 1934, that he was not actually manufacturing, rectifying, and/or selling whiskey on the date on which he filed his application for registration, but on October 12, 1934, had a license so to do and was "preparing to do so," should be construed as an admission that at the time of filing his application appellant did not have such license and that appellant's mark was not used in commerce at the time of filing his application.

In appellant's brief the following statement is found:

It so happens that appellant was debarred from using his mark for more than a decade by Federal and State prohibition. • • •

This statement is in accord with the construction we have given to the admission in appellant's answer to the notice of opposition hereinbefore quoted.

With respect to the second question above stated, we are of opinion that, regardless of appellant's legal ownership of the mark, which we do not question, in order to secure registration of the same he must have been using the same in interstate commerce at, or shortly prior to, the filing date of his application. Section 2 of the Trade-Mark Act of February 20, 1905, requires an applicant to declare at the time of filing his application "that such trade-mark *is* used in commerce among the several States," etc. [Italics ours.] It will be noted that the present tense is used, and not the words "has been used." This clearly requires a present use, and while, of course, shipment of goods with the mark applied is not required upon the exact date that the application is made, the use, within the meaning of the statute, cannot relate back fourteen years to some previous use of the mark. The right to register is wholly statutory, and while appellant's trade-mark may be valid at common law, he is not given the right to register the same unless the provisions of the statute are complied with.

This may be unfortunate for appellant, but in order to relieve him it is not within our province to legislate, but only to construe legislation under which he seeks registration. Appellant has pointed out the great injustice that he may suffer should his application be rejected, and suggests that appellee may now successfully oppose a new application of appellant under the name clause of the statute. Whether this be true or not is a question that is not before us.

For the reasons stated, the decision of the Commissioner, insofar as it holds that appellant is not entitled to the registration applied for, is affirmed.

Affirmed.

GARRETT, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE SEEBACH

No. 3,781. Decided March 29, 1937

[88 F.(2d) 722]

PATENTABILITY—MOLDED ARTICLE AND PROCESS OF MAKING—INTERFERENCE ON COPENDING APPLICATION.

Claims for a molded article and claims for the process of making it *Held* properly rejected as not patentably distinct from the claim constituting the issue of an interference involving another application of appellant.

APPEAL from the Patent Office. Affirmed.

Mr. Jos. N. Nielsen, Mr. Charles H. Potter, and *Mr. Harold T. Stowell* for Seebach.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 17 to 22, inclusive, of appellant's application for patent as not patentably distinct from certain counts of an interference, which are claims of another application of appellant, of which the application before us is a division. No claims were allowed.

Claims 17 and 22 are illustrative of the claims before us and read as follows:

17. Method of preparing molded objects from a phenol-aldehyde resin of the heat-hardenable type and an air-drying fatty oil as a binder which comprises forming a homogeneous composition of the heat-hardenable resin with the oil in an oxidized condition, mixing a filler with the composition, and molding the product with the application of heat to cause hardening of the binder.

22. As a new article of manufacture a molded body having as a binder a product comprising a phenol-aldehyde resin of the heat hardening type in homogeneous composition with an air-drying oil having an oxidized component.

The references cited, in conjunction with the above-mentioned interference, No. 68,601, are as follows: Ellis, 1,541,336, June 9, 1925; Coleman et al., 1,808,529, June 2, 1931; Brown, 1,212,738, January 16, 1917.

The application relates to the production of molded articles and the subject matter is sufficiently described in the above quoted claims.

The counts of said interference relied upon read as follows:

1. Process of preparing compositions which comprises mixing a hardenable phenol-aldehyde condensation product with an oxidized air-drying fatty oil in a solvent for both components and thereafter removing the solvent.

2. As a composition of matter suitable for coatings a product comprising a hardenable phenol-aldehyde condensation product and an oxidized air-drying fatty oil incorporated therewith.

The reference patents are described in the decision of the Board as follows:

• • • Broadly, Ellis discloses a composition of rosin, phthalic anhydride and glycerol dissolved in a solvent and mixed with a small amount of drying oil and filler may be molded. This relates to a different type of resin and apparently only a small amount of the drying oil in the raw state.

Coleman coats particles of filler with a coating of drying or semi-drying oils or bituminous material whereupon the film becomes dried. This coated filler is mixed with a phenolic condensation product moistened with a solvent in order to prepare a molding powder.

Brown claims to produce a mixture of phenolic resins and drying oil by mixing the oil with the constituents for producing a phenolic condensation product and allowing the complete reaction to proceed.

With respect to said patent references and the reference counts involved, which latter are claims in appellant's parent application, the Board stated:

The citations do not appear to anticipate the claims on appeal considering applicant's specific disclosure and reasons therefor, but the Examiner holds that these citations referring broadly to making molding compositions out of somewhat similar materials taken with the claims which have been held allowable in the parent application of which this case is a division, constitute a reference against the allowance of such claims in this case.

The claims referred to in the parent case relate to producing a mixture of phenolic resin and drying oils by the particular method of employing previously oxidized oil and resin in a common solvent and the product, but the claims in the parent case do not relate to such material as a binder in making molding compositions but rather relate to making such combination for use in the lacquer and varnish arts. • • •

The Board expressed the view that, inasmuch as the interference counts embraced the same resinous materials as are embraced in the claims before us, and as the patent references disclose that binders of the same general type as those disclosed in said claims may be used for molding purposes, the claims are not patentable over said counts of the interference in view of the patent references.

We think the Board came to the right conclusion, although as we view it, its holding is tantamount to a decision that the requirement for division of the parent application was improper. This we shall later discuss herein.

It is clear that for the claims in the divisional application before us to be patentable therein, they must be patentably distinct from the claims of the parent application which are now in interference. Appellant concedes this, and contends that they are so patentably distinct.

We think the only novelty in the claims before us lies in the resin, claims for which have been allowed in the parent application and are now in interference. While it is true that the parent application relates to a composition for use in the lacquer and varnish arts, the claims in that application are not so limited, and it seems to us that any purchaser of the composition after it is patented will have the right to make any use of it that would be obvious in view of the prior art. We are of the opinion that the process of molding the material is obvious from the patent references Ellis and Coleman, where compositions of the same general character, but patentably distinct from appellant's composition, are used for molding purposes by mixing the same with a filler, and the Coleman patent discloses molding his product with the application of heat to cause hardening of the binder, which steps comprise the last elements of the claims here involved. Appellant does not claim that the mere steps of mixing a filler with a resinous composition and molding the product with the application of heat to cause hardening of the binder are in themselves inventive, but his claimed invention lies in mixing his particular composition with the filler, followed by conventional steps disclosed by the prior art.

The case of *In re Dreyfus*, 20 C. C. P. A. (Patents) 1204, 65 F.(2d) 472, 437 O. G. 7, involved certain process claims for the production of certain filaments or threads, such as artificial silk, by what was called the dry spinning of a solution of certain specified substances. In our opinion af-

firming the decision of the Board of Appeals we said:

Upon the whole, we think the fair and proper construction of the Board's decision is that the claims are rejected, in the light of the prior art cited, because processes of dry spinning are already patented to appellant and others and were known to the art, and he has added no new feature to the process of dry spinning itself by adding an additional ingredient to, or making changes of ingredients in, the solution which he spins.

In the case of *In re Byck*, 18 C. C. P. A. (Patents) 1208, 48 F.(2d) 665, 410 O. G. 284, there was involved the patentability of a certain article having a coating of a certain composition, which composition had been patented to appellant in another patent. In our opinion we said:

We think it clear that the application here in issue does not claim a separate invention from that claimed in the issued patent, but only claims an obvious use of the composition there patented. If appellant's position is well taken, then it would seem that any inventor of a new and useful composition of matter may receive a patent for it and he may also, by filing separate applications, secure patents for every use of such composition that he may disclose. An inventor is not entitled to a patent unless his invention is new and useful. • • •

For the reasons hereinbefore stated, we think the involved claims embrace only the same *invention* as is embraced in the claims of appellant's parent application, hereinbefore quoted, and now in interference.

When the Examiner rejected appellant's claims, he stated in a letter appearing in the record as follows:

This rejection may possibly be overcome if applicant prevails in the interferences in which the parent application is involved. If applicant wishes, prosecution of this application may be suspended upon request pending the outcome of the interferences. The request, however, should include a full response to this rejection.

Appellant elected, however, not to accept the suggestion of the Examiner, and proceeded with the prosecution of the claims.

The Board of Appeals, however, did not concur in the view of the Examiner, stating:

• • • It is not regarded as being material whether applicant is finally the successful or the unsuccessful party in the interference proceedings. In either case the situation as to patentability over the issue would be regarded as the same.

We agree with the view of the Board upon this point, for in order to entitle appellant to allowance of the claims in his divisional application, it must appear that they embrace a different invention from that embraced in the claims of the parent application; or, in other words, they must be patentably distinct therefrom.

That the requirement for division was improper would seem to be established from the fact that the Patent Office tribunals properly held that the claims here involved are for the same invention claimed in the parent application. However, appellant did not appeal from the Examiner's requirement of division, which he might have done, and therefore any error of the Examiner in that regard cannot be corrected in this appeal. If appellant should be awarded priority in the interference now pending, it may be that, before a patent is issued to appellant, the proper Patent Office tribunal has the discretion to take cognizance of this error and permit appellant further to prosecute the involved claims under his parent application. This, however, is not a matter before us in this appeal and we express no opinion with respect thereto.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,148,193, Ross & McCully, Faucet; 1,196,879, Morrison & McCully, same, filed Aug. 31, 1937, D. C. Wash. (Seattle), Doc. 1195, *E. H. Shamek* v. *J. C. Ross.*

1,196,879. (See 1,148,193.)

1,262,860, S. B. Smith, Incubator, D. C. Minn., 4th Div., Doc. E 2823, *S. B. Smith* v. *E. I. Chamberlain (Evergreen Electric Hatchery)*. Dismissed Aug. 24, 1937.

1,401,499, P. B. Saugen, Carbon removing device, C. C. A., 2d Cir., Doc. —, *General Electric Co.* v. *Wabash Appliance Corp. et al.* Decree reversed (notice Aug. 25, 1937).

1,470,524, H. B. Burt, Process of making frozen confections; 1,718,997, same, Frozen confection, filed Aug. 28, 1937, D. C., E. D. N. Y., Doc. E 8352, *Good Humor Corp. of America* v. *Hershey Ice Cream Co., Inc., et al.* Doc. E 8353, *Good Humor Corp. of America* v. *Yukon Ice Cream Co., Inc., et al.*

1,483,365, J. Mazer, Sound absorbing method and material; 1,554,179, 1,554,180, W. S. Trader, Sound absorbing material for walls and ceilings, filed Sept. 7, 1937, D. C., E. D. Mich. (Detroit), Doc. 8188, *J. Mazer et al.* v. *J. F. Murphy et al.*

1,485,338, P. M. Skrmetti, Floating trawling fish seine, filed Aug. 24, 1937, D. C., S. D. Miss. (Biloxi), Doc. E 506, *P. M. Skmetti* v. *A. Anderson et al.*

1,509,406, C. E. Kraus, Plastic compound and method of making; 1,509,478, same, Plastic composition, filed Aug. 30, 1937, D. C., W. D. Mich. (Grand Rapids), Doc. 2806, *Sialco, Inc.*, v. *Auto Specialties Mfg. Co.*

1,509,478. (See 1,509,406.)

1,513,172, B. E. Hill, Apparatus and process for removing non-condensible gases, D. C., W. D. N. Y., Doc. 1882, *J. Waddell et al. (West Side Machine Works)* v. *Eastman Kodak Co.* Decree for defendant Aug. 26, 1937.

1,554,179. (See 1,483,365.) 1,554,180. (See 1,483,365.)

1,564,909, T. C. Steimer et al., Glass feeding mechanism; 1,573,742, K. E. Peiler, Feeding molten glass; 1,629,409, same, Apparatus for separating molten glass into mold charges; 1,732,771, same, Apparatus for obtaining charges of molten glass; 1,873,021, same, Method of and apparatus for feeding molten glass; 1,621,426, W. J. Miller, Apparatus for producing mold charges of molten glass; 1,642,967, same, Apparatus for producing mold charges of molten glass, D. C., S. D. Calif., C. Div., Doc. E 617–J, *Hartford-Empire Co.* v. *McLaughlin Glass Co.* Decree holding patents valid; injunction Sept. 2, 1937.

1,573,742. (See 1,564,909.)

1,582,224, G. H. Prout, Sucker rod hanger, C. C. A., 10th Cir., Doc. 1483, *J. P. Ratigan* v. *Deckard Supply Co. et al.* Decree affirmed Sept. 2, 1937.

1,621,426. (See 1,564,909.)

1,628,279, Schmidt & Krieger, Sensitive layer on a suitable base and process of making same; 1,803,906, Krieger & Zahn, Diazo-types stabilized with a derivative of thiocarbonic acid and a process of preparing them, D. C., W. D. Mich. (Grand Rapids), Doc. E 2760, *Kalle & Co. et al.* v. *The Multazo Co., Inc., et al.* Dismissed Sept. 1, 1937.

1,628,954, H. H. Dedmon, Card display receptacle for automobiles, D. C., S. D. Calif. (Los Angeles), Doc. E 1028–c, *H. H. Dedmon (Standard Holder Co.)* v. *J. J. Newberry Co. et al.* Decree pro confesso Apr. 29, 1937.

1,629,409. (See 1,564,909.) 1,642,967. (See 1,564,909.)

1,652,006, D. E. Gamble, Clutch plate; 1,717,534, E. E. Wemp, Clutch construction, filed Sept. 7, 1937, D. C., N. D. Ohio, E. Div., Doc. E 5641, *Borg-Warner Corp. et al.* v. *The Mormouth Products Co.*

1,655,391, K. E. Peller, Method of and apparatus for feeding molten glass, D. C., S. D. Calif., C. Div., Doc. E 616–C, *Hartford-Empire Co.* v. *McLaughlin Glass Co.* Patent held valid, injunction Sept. 2, 1937.

1,660,188. (See Re. 17,889.)

1,687,510, M. Pipkin, Electric lamp bulb, D. C., E. D. N. Y., Doc. E 7962, *General Electric Co.* v. *Wabash Appliance Corp. et al.* Decree for defendant Aug. 27, 1937.

1,690,109, R. A. Gross, Collapsible box; 1,758,510, same, Paper box; 1,940,213, same, Knockdown paper box with cover, filed Aug. 30, 1937, D. C., N. D. Ill., E. Div., Doc. 15,759, *Simplex Paper Box Corp.* v. *Acme Paper Box & Case Co.*

1,717,534. (See 1,652,006.) 1,718,997. (See 1,470,524.)

1,732,771. (See 1,564,909.)

1,739,355. (See Re. 17,889.)

1,758,510. (See 1,690,109.)

1,793,193, F. Price, Apparatus for starting the flow of flowing wells, filed Aug. 30, 1937, D. C., N. D. Tex. (Dallas), Doc. E 3761–1017, *Price-Trawick, Inc.*, v. *Gas Lift Corp.*

1,803,906. (See 1,628,279.)

1,807,091, L. W. Pollack, Doll's eyes and mounting therefor, filed Aug. 26, 1937, D. C., S. D. N. Y., Doc. E 85/286, *Margon Corp.* v. *S. Kalner (Well Made Doll Co.)*.

1,830,746, Ahlene & Reed, Driven plate, filed Aug. 31, 1937, D. C., N. D. Ill., E. Div., Doc. 15762, *Borg-Warner Corp.* v. *Burgess-Norton Mfg. Co.*

1,834,070, J. J. Parkinson, Heating device, D. C., S. D. N. Y., Doc. E 81/329, *Parkinson Heater Corp. et al.* v. *W. Robitzek (Roby Distributing Co.)*. Consent order of discontinuance (notice Aug. 27, 1937). Same, filed Aug. 25, 1937, D. C., E. D. Pa., Doc. 9817, *Parkinson Heater Corp.* v. *J. E. Kewis.* Doc. 9819, *Parkinson Heater Corp.* v. *John Hancock Mutual Life Insurance Co.*

1,836,781. (See Des. 82,007 (*b*).)

1,836,782. (See Des. 82,007 (*a*) and (*b*).)

1,854,660. (See 1,948,510.)

1,860,272, H. C. Aberle, Elastic welt for stockings, D. C., E. D. Pa., Doc. 9091, *H. C. Aberle Co.* v. *Quaker Hosiery Co.* Dismissed without prejudice Aug. 28, 1937.

1,865,995, A. L. Wurster, Cravat holder, D. C., S. D. N. Y., Doc. E 78/315, *A. L. Wurster et al.* v. *A. Slutzky (Goody Novelty Co.)*. Doc. E 78/343, *A. L. Wurster et al.* v. *D. Feldman et al.* Doc. E 78/375, *A. L. Wurster et al.* v. *S. Wechsler.* Dismissed for lack of prosecution (notice Aug. 24, 1937), in each of above cases.

1,866,637. (See Re. 17,889.)

1,871,432. (See Re. 17,889.)

1,873,021. (See 1,564,909.)

1,910,715, Ryden & Schrodt, Garment, filed Aug. 30, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1243–J, *M. R. Barnes et al. (Hollywood Silk Mills)* v. *Southwest Security Mortgage Corp.*

1,911,537, R. R. Tanner, Coating metal with an organic salt of the metal, filed Sept. 2, 1937, D. C., N. D. Ohio, Doc. E 5640, *Parker Rust-Proof Co.* v. *The Cleveland Welding Co.*

1,922,415, M. Bank, Electrical—including radio—apparatus, filed Aug. 19, 1937, D. C., N. D. Ill., E. Div., Doc. 15744, *M. Bank* v. *Allied Radio Corp. et al.*

1,933,908, D. Hoppenstand, Gear shifting mechanism, D. C., E. D. Mich. (Detroit), Doc. 6259, *D. Hoppenstand* v. *Reo Motor Car Co.* Discontinued Aug. 31, 1937.

1,935,567. (See Des. 82,007 (*a*) and (*b*).)

1,940,213. (See 1,690,109.)

1,946,060. (See Re. 17,889.)

1,947,337. (See Re. 17,889.)

1,948,510, Corcoran & Wolff, Tile tying runner; 1,854,660, E. G. Martin, Tile roof construction, D. C., S. D. Calif. (Los Angeles), Doc. E 1202–J, *T. D. Corcoran et al.* v. *City of El Monte, Calif.* Dismissed with prejudice Sept. 1, 1937.

1,949,830. (See Re. 17,889.)

2,022,543, A. Hill, Portable combined automatic phonograph and radio, D. C., S. D. N. Y., Doc. E 82/184, *A. Hill* v. *Marconi Bros., Inc.* Consent decree holding patent valid and infringed (notice Aug. 26, 1937).

2,045,317, S. Sobie, Ornamental composite fabric, filed Aug. 27, 1937, D. C., S. D. N. Y., Doc. E 85/288, *J. W. Sobie et al.* v. *Four Star Pleating & Stitching Co., Inc.*

2,048,492, M. Ciringione, Foundation garment, filed Aug. 26, 1937, D. C., S. D. N. Y., Doc. E 85/287, *M. Ciringione* v. *Wear-Rite Brassiere Co., Inc.*

2,053,857, A. J. Weiss, Knock down interlocking carton closure, filed Aug. 30, 1937, D. C., N. D. Ohio, E. Div., Doc. E 5639, *Robert Gair Co., Inc.*, v. *The General Carton Co.*

2,083,543, L. A. Baum, Garment container, filed Aug. 31, 1937, D. C., S. D. N. Y., Doc. E 85/300, *L. A. Baum et al.* v. *H. J. Green Co., Inc.*

2,085,719, J. Martin, Couch bed, filed Sept. 2, 1937, D. C., S. D. N. Y., Doc. E 85/304, *U. S. Cabinet Bed Co.* v. *New England Bedding Co.*

2,088,376, L. G. Kaskey, Beverage dispenser, D. C., N. D. Calif. (San Francisco), Doc. E 4204–L, *The Buttermilk Dispensers* v. *National Dispenser Corp.* Dismissed without prejudice Aug. 17, 1937. Same, D. C., S. D. Calif. (Los Angeles), Doc. E 1224–M, *The Buttermilk Dispensers* v. *Smoot-Holman Co.* Dismissed without prejudice Aug. 21, 1937.

Re. 17,889, 1,660,188, 1,866,637, R. B. Fageol, Road vehicle; 1,739,355, same, Tourquing arrangement for tandem axle vehicle; 1,947,337, same, Motor vehicle; 1,871,432, same, Multiple wheel road vehicle; 1,949,830, same, Dual drive multi-wheel rond vehicle; 1,946,060, L. R. Buckendale, Motor vehicle, filed Sept. 4, 1937, D. C., E. D. Mich. (Detroit), Doc. 8187, *The Timken-Detroit Axle Co. et al.* v. *Cadillac Malleable Iron Co. et al.*

Re. 19,710, Poliak & Ostersetzer, Condensation product and method of making same, filed Aug. 20, 1937, D. C., W. D. N. Y., Doc. 2165, *Catalin Corp. of America* v. *Troloosin Plastics, Inc.*

Re. 19,866, A. Epstein, Knitted cap, filed Aug. 24, 1937, D. C., E. D. N. Y., Doc. E 8349, *Epstein & Hammer, Inc.*, v. *Llama Knitting Co., Inc.*

Re. 20,406, A. M. Bank, Upholstery construction, filed Sept. 3, 1937, D. C., E. D. N. Y., Doc. E 8355–8356, *Sylvia Bank et al.* v. *Kay Mfg. Co.*

Des. 54,296, E. F. Wood, Emblem button, filed Aug. 25, 1937, D. C., S. D. N. Y., Doc. E 85/281, *The American Legion* v. *Durable Outfitters, Inc.*

Des. 69,311, G. E. Curtiss, Jug, filed Sept. 3, 1937, D. C., S. D. N. Y., Doc. E 85/306, *Landers, Frary & Clark* v. *Grand Silver Co., Inc.*

Des. 82,007 (*a*), J. Teller, Cabinet gas range; 1,836,782, same, Stove structure; Des. 86,524, R. B. Hurt, Gas range; 1,935,567, H. H. Heidbreder, Range, filed Aug. 28, 1937, D. C., N. D. Ill., E. Div., Doc. 15758, *J. Teller et al.* v. *A. J. Lindemann et al.*

Des. 82,007 (*b*), J. Teller, Cabinet gas range; Des. 82,769, same, Coal range; 1,836,781, 1,836,782, same, Stove structure; Des. 85,626, Teller & Schulz, Gas or electric cabinet range; Des. 85,962, same, Cabinet cooking range; 1,935,567, H. H. Heidbreder, Range, filed Aug. 27, 1937, D. C., N. D. Ill., E. Div., Doc. 15757, *J. Teller et al.* v. *Phillips & Buttorff Mfg. Co.*

Des. 82,769. (See Des. 82,007 (*b*).)

Des. 84,886, A. Fazekas, House-number plate, D. C., N. D. Calif. (San Francisco), Doc. E 3654-L, *A. Fazekas v. E. L. Reed et al.* Dismissed for want of prosecution Aug. 23, 1937.

Des. 85,626. (See Des. 82,007 (*b*).)

Des. 85,962. (See Des. 82,007 (*b*).)

Des. 86,524. (See Des. 82,007 (*a*).)

Des. 101,683, S. Rosenblatt, Coat, filed Sept. 3, 1937, D. C., S. D. N. Y., Doc. E 85/305, *S. Rosenblatt et al. v. Stern & Herff.*

Des. 102,262, D. Cohen, Shoe, filed Aug. 26, 1937, D. C., E. D. N. Y., Doc. E 8351, *M. Cohen & Sons Shoes, Inc., v. Herman Grossman, Inc.*

Des. 104,420, I. A. Winter, Dress, filed Aug. 25, 1937, D. C., S. D. N. Y., Doc. E 85/282, *Winter-Drittel, Inc., v. National Blouse Corp.*

Des. 105,104, Hines & McKeown, Sofa, filed Aug. 26, 1937, D. C., N. D. Ill., E. Div., Doc. 15754, *Pullman Couch Co. v. N. Futorian et al.*

Changes in Classification

Order No. 3,410, November 1, 1937, directs:

In *class 16, Miscellaneous Hardware* (Division 20), establish the following subclass and definition:

Hinges

128.1 Automobile hood.

128.1. Hinges particularly designed for automobile engine hoods where no significant structure of the hood is claimed. The device may include the support for the hinge or pintles and/or means for preventing rain, dust, etc., from passing through the hinge joint or for conducting the same away from the joint.

Note.—Where significant motor vehicle structure is claimed, see class 180, MOTOR VEHICLES, the combination of significant hood structure with the hinge being in subclass 69 and indented subclass.

The patents contained in this subclass have been taken for the most part from class 16, subclass 128, and various indented subclasses, and from class 180, Motor Vehicles, subclasses 69 and 69.01.

In *class 114, Ships* (Division 22), subclass 203, change the subclass title and definition to read as follows:

Hatches and covers

203 With fasteners.

203. Hatches combined with means for battening, securing or locking them in place.

Note.—For hatch-fastening clamps per se, search must be made in class 292, CLOSURE FASTENERS, subclass 256.5.

In *class 204, Electrochemistry* (Division 56), abolish the following subclass:

Synthesis

62 Carbides.

The patents formerly contained in this subclass have been placed for the most part in class 23, Chemistry, subclass 208.

In *class 292, Closure Fasteners* (Division 20), establish the following subclass and definition:

Clamps

256.5 Hatch fastener.

256.5. Devices under subclass 256 for securing ships' hatches or equivalent closures. These may operate directly upon the hatch to clamp it in place, or may clamp a tarpaulin which in turn holds the hatch in place, or may include clamping elements for both the hatch and the tarpaulin.

Note.—Combinations of hatch structure with clamping means are classified in class 114, SHIPS, subclass 203, and cross-referenced here for significant clamp structure.

The patents contained in this subclass have been taken for the most part from class 114, Ships, subclass 203.

In *class 13, Electric Furnaces* (Division 3), subclass 7, in the note following the definition cancel subclass 62 in class 204, and add: *and class 23, Chemistry, subclasses 208 and 209;* and in the second note following the definition of subclass 36 cancel the last subclass number "62".

In *class 70, Locks* (Division 20), subclass 156, change the twenty-third word of the definition from "controlling" to *controlled.*

In *class 99, Foods and Beverages* (Division 63), subclass 240, give to the note following the definition the number (*2*) and add the following note:

(1) **Search this class,** subclass 271, for apparatus for coloring or ripening fruit.

In *class 164, Cutting and Punching Sheets and Bars* (Division 57), subclass 0.2, give to the two notes following the definition the numbers (*1*) and (*4*) and add the following notes:

(2) Note.—See class 77, BORING AND DRILLING, for drills for boring holes in well tubing.

(3) Note.—See this class, subclass 108, for machines for punching holes in other tubes.

In *class 180, Motor Vehicles* (Division 10), subclass 69, add to the definition the following note:

(4) Note.—See class 16, MISCELLANEOUS HARDWARE, subclass 128.1, for hinges for automobile hoods.

In *class 248, Supports* (Division 52), subclass 156, in note (2) following the definition add: *and for golf bag holders which are ground-inserted, see this class, subclass 96.*

In *class 279, Chucks or Sockets* (Division 52), in the main class definition, in the reference to class 16 in the third note, change the subclass numbers "18 and 38" to read: *18 and indented subclasses, particularly subclass 43.*

In *class 280, Land Vehicles* (Division 10), in the main class definition, third line, cancel "railway, motor, or occupant-propelled vehicles", and insert: *railway or motor vehicles.*

In *class 285, Pipe Joints or Couplings* (Division 52), subclass 22, in the note following the definition change the subclass number "22" to read *72.*

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 16, 1937

[VOL. 484. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 395,520. EAGLE-OTTAWA LEATHER COMPANY, Chicago, Ill., and Grand Haven, Mich. Filed July 22, 1937.



The word "Ottawa" is disclaimed apart from the mark.
For Leather.
Claims use since Feb. 1, 1937.

Ser. No. 395,521. EAGLE-OTTAWA LEATHER COMPANY, Chicago, Ill., and Grand Haven, Mich. Filed July 22, 1937.

Guild EAGLE OTTAWA Hall

The word "Ottawa" is disclaimed apart from the mark.
For Leather.
Claims use since Feb. 1, 1937.

Ser. No. 396,678. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif. Filed Aug. 23, 1937.

Quintuplet

For Flower Seeds—Namely, Zinnias and Flower Garden Mixture.
Claims use since Aug. 11, 1937.

CLASS 2

Receptacles

Ser. No. 393,683. WILLIAM C. ANTHONY, Streator, Ill. Filed June 5, 1937.



The representation of the tank or container is disclaimed apart from the mark.
For Plant Growing Tanks and Parts Thereof and Accessories Therefor, to wit, Fluid Connections and Fluid Level Controlling Devices.
Claims use since Apr. 26, 1937.

Ser. No. 395,052. ROBERT J. SIMONS, Springfield, Mass. Filed July 9, 1937.



For Paint Brush Receptacles with Incidental Holding Means.
Claims use since Apr. 10, 1937.

Ser. No. 395,499. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed July 21, 1937.

PĒK

For Transparent Window Bags and Other Paper Bags.
Claims use since July 17, 1937.

Ser. No. 396,447. CENTRAL METALLIC CASKET CO., Chicago, Ill. Filed Aug. 16, 1937.



The words "Caskets of Character" are disclaimed apart from the mark.
For Caskets.
Claims use since May 12, 1937.

Ser. No. 397,994. BAGPAK, INC., New York, N. Y. Filed Oct. 1, 1937.



For Paper Bags.
Claims use since Sept. 15, 1937.

Ser. No. 398,012. NEW YORK STANDARD MFG. CO., INC., Brooklyn, N. Y. Filed Oct. 1, 1937.

Sani-Craft

For Clothes Hampers, Ash Cans, and Garbage Cans.
Claims use since July 15, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 384,629. PROGRESSIVE LEATHER GOODS CO., West New York, N. J. Filed Oct. 21, 1936.

Esquire

For Leather Goods, Particularly Bill Folds, Fitted and Unfitted Toilet Kits.
Claims use since Sept. 1, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 397,016. AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y. Filed Sept. 2, 1937.

ROPE-O-WOOL

The words "Rope" and "Wool" are disclaimed apart from the mark.
For Steel Wool.
Claims use since July 1, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 372,580. PY-RO-GO, INC., Chicago, Ill. Filed Dec. 12, 1935.

PY-RO-GO

For Preparation for the Treatment for Pyorrhea.
Claims use since Sept. 29, 1935.

Ser. No. 385,173. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Nov. 5, 1936.

TAB-TEX

For Starch to be Used as a Raw or Partly Prepared Material for Various Industrial and Pharmaceutical Purposes.
Claims use since Oct. 22, 1936.

Ser. No. 389,854. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Mar. 9, 1937.



For Water Repellent Compound Used in the Processing of Textile Fabrics.
Claims use since Jan. 15, 1937.

Ser. No. 389,855. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Mar. 9, 1937.

WEATHER-SEALED

For Water Repellent Compound Used in the Processing of Textile Fabrics.
Claims use since Jan. 15, 1937.

Ser. No. 389,856. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Mar. 9, 1937.

WATER-SEALED

For Water Repellent Compound Used in the Processing of Textile Fabrics.
Claims use since Jan. 15, 1937.

Ser. No. 391,344. WILLIAM H. ROHER, INC., Philadelphia, Pa. Filed Apr. 14, 1937.

HYPOTUBE

For Tubes Filled With a Medicinal Solution for Injection Purposes.
Claims use since Mar. 29, 1937.

Ser. No. 392,382. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed May 6, 1937.

Capsulan

For Medicinal Preparation Used in the Treatment of Ulcers, Tuberculosis, Carcinoma, Chronic Suppurations, Eczema, and Venereal Diseases.
Claims use since Feb. 5, 1937.

Ser. No. 392,385. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed May 6, 1937.

Merzmorf

For Solution of Morphine.
Claims use since Feb. 5, 1937.

Ser. No. 392,386. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed May 6, 1937.

Merzulen

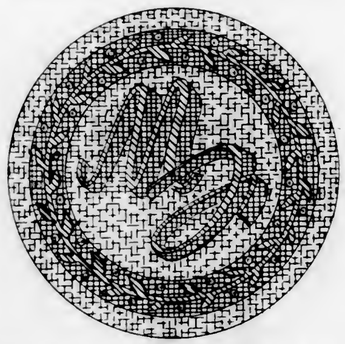
For Medicinal Preparations in Liquid, Tablet, and Ointment Form and Used in the Treatment of Venereal Diseases, Rheumatism, Anemia, Malaria Fever, Allergic Diseases, Arterio Sclerosis, Vericose Veins, and as a Contrasting Agent in X-Ray Examinations for Rendering Internal Vessels Visible; and as an Antiseptic, Tonic, Roborant and Analgesic, Diuretic, Antipyretic and Laxative.
Claims use since Feb. 5, 1937.

Ser. No. 393,062. BRITISH COD LIVER OIL PRODUCERS (HULL) LIMITED, Hull, England. Filed May 21, 1937.

SEVENSEAS

For Fish Oils and By-Products Thereof for Veterinary Purposes, and Fish Oils and By-Products Thereof for Use in Medicine and Pharmacy.
Claims use since Feb. 10, 1937.

Ser. No. 393,929. MARGARET F. FARRELL, Los Angeles, Calif. Filed June 10, 1937.



The drawing is lined for black, gold, and green.
For Counter-Irritant Ointment for Muscular Aches and Pains, Rheumatism, and the Like.
Claims use since Mar. 1, 1937.

Ser. No. 394,488. OLIVE E. HURLBERT, Los Angeles, Calif. Filed June 25, 1937.

ERUS-ERUC

For Medicines Used in the Treatment of Pulmonary Diseases.
Claims use since Mar. 1, 1932.

Ser. No. 395,149. PIKE AND DAVIS, INC., Seattle, Wash. Filed July 12, 1937.

Jane Harlow's

The trade-mark is a facsimile signature of Jane Harlow.
For Oatmeal Cleansing Creme, Carrot Creme (a Tissue Builder), and Acne and Bleach Creme.
Claims use since June 25, 1937.

Ser. No. 395,331. JOHN L. BULLOCK, doing business as Dr. J. B. Remedy Company, Durham, N. C. Filed July 17, 1937.

Dr. J. B.'S SOLUTION

The word "Solution" is disclaimed apart from the mark.
For Preparation for the Treatment of Pyorrhea.
Claims use since June 23, 1937.

Ser. No. 395,641. ERNESTINE O. FOWLER, doing business as Betty Wells Cosmetic Company, San Francisco, Calif. Filed July 26, 1937.

tissuetane



For Cosmetic Liquid Preparation for the Treatment of the Skin.
Claims use since June 1, 1936.

Ser. No. 395,718. NATIONAL ACCESSORIES STORES, INC., Utica, N. Y. Filed July 28, 1937.

SUB-ZERO ZONE

The words "Sub Zero Zone" are disclaimed apart from the mark.
For Anti-Freeze Mixture Solution.
Claims use since November, 1935.

Ser. No. 395,774. UNIT PACKAGES, INC., Elizabeth, N. J. Filed July 29, 1937.

Quixy

For Fire Extinguishing Chemicals in Single-Use Containers.
Claims use since July 7, 1937.

Ser. No. 395,780. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa. Filed July 29, 1937.

Edimalin

For Sulfonamide of Para-amino-benzene for use in the Treatment of Diseases Caused by Streptococci, Staphylococci, and Other Forms of Pathogenic Organisms.
Claims use since July 14, 1937.

Ser. No. 395,825. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed July 30, 1937.

BLUE DIAMOND BRAND

The drawing is lined for blue and no claim is made to the word "Brand".
For Drugs and Cosmetics—Namely, Borax, Sulphur Flowers, Boric Acid, Bicarbonate of Soda, Rochelle Salt, Senna Pods, Camomile Flowers, Fennel Seed, Alum, Alkaline Effervescent, Spirit Peppermint, Halibut Liver Oil Plain Capsules, Halibut Liver Oil With Viosterol Capsules, Hydrogen Peroxide, Cascara Aromatic, Brown Mixture, Ephedrine Cough Syrup, Russian Medicinal Mineral Oil, Magnesia and Oil, Effervescent Salts, Glycerin, Mentholated Handkerchiefs, Analgesic Balm, Hygienic Powder, Honeysuckle Talcum, Precipitated Chalk, Epsom Salt, Anise Seed, Flaxseed Whole, Compound Licorice Powder, Flaxseed Ground, Three Bromides, Spirit of Camphor, Vitamin Concentrate Capsules, A. B. C., Hemorrhoidol Suppositories, Rhubarb and Soda Mixture, Stoke's Expectorant, Tincture Green Soap, Castor Oil, Extra Heavy Russian Mineral Oil, Heavy Russian Mineral Oil, Agar and Oil, Citrates and Carbonates Effervescent Compound, Unscented Talcum, Aspirin Tablets, Yeast Extract and Iron Tablets, Antacid Powder, Infant's Size Glycerine Suppositories, Ferrous Carbonate Tablets, Soda Mint and Pepsin Tablets, Cascara Compound Tablets, Soda Mint Tablets, Antacid Tablets, Laxatives, Tincture of Iodine, Effervescent Bromo Salts, Vegetable Compound in the Nature of a Tonic, Neurovates With Sherry Wine, Extract Witch Hazel, Astringent Mouth Wash, Antiseptic Mouth Wash, Athletic Liniment, Cod Liver Oil Tablets, Epsom Compound Tablets, Cascara Sagrada Tablets, Papain and Bile Salt Tablets, Sodium Bicarbonate Tablets, Rhubarb and Soda, Saccharine Soluble Tablets, Milk of Magnesia Tablets, Spirits Ammonia Aromatic, Beef, Iron, and Wine, Malt Extract With Cod Liver Oil, Pure Norwegian Cod Liver Oil Mint Flavored, Flavored Sodium Perborate, Milk of Magnesia, Sodium Perborate (Plain), Almond Hand Lotion, Lemon Shampoo, Cocoanut Oil Shampoo, Lilac Vegetal, Tar Shampoo, Calamine Lotion, Skin Balm, Astringent Lotion, Liquefying Cleansing Cream, Medicated Cream, All-Purpose Cream, Preparation for the Treatment of the Hair, Liquid Brilliantine, Eau de Quinine, Henna Shampoo, Castile Shampoo, Skin Tonic, Acne Lotion, Tissue Cream, Cold Cream, Tooth Paste.
Claims use since July 20, 1935.

Ser. No. 396,037. CHRISTOPHER LUCKHAUPT, Jamaica, N. Y. Filed Aug. 5, 1937.

NUERA

For Face Creams.
Claims use since July 19, 1937.

Ser. No. 396,432. E. R. SQUIBB & SONS, New York, N. Y. Filed Aug. 14, 1937.

MAGNA-SELTZER

The word "Seltzer" is disclaimed apart from the mark.
For Effervescent Antacid and Laxative Preparations.
Claims use since July 16, 1937.

Ser. No. 396,465. JULES M. MARTON, Chicago, Ill. Filed Aug. 16, 1937.

REFRESH - O - PADS

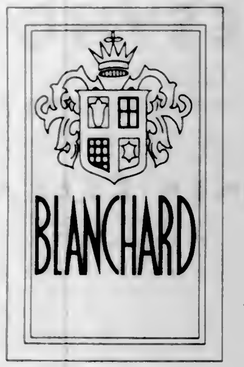
The word "Pads" is disclaimed apart from the mark.
For Flannel Pads Impregnated with a Cosmetic Cleansing Lotion.
Claims use since Mar. 1, 1937.

Ser. No. 396,480. THE DOAK COMPANY, INC., Cleveland, Ohio. Filed Aug. 16, 1937.

COT-TAR

The word "Tar" is disclaimed apart from the mark.
For Dermatotherapeutic Medication.
Claims use since Dec. 15, 1936.

Ser. No. 396,545. PARFUMS BLANCHARD INC., New York, N. Y. Filed Aug. 18, 1937.



For Cosmetics—Namely, Perfumes, Toilet Waters, Face Powders, Lipsticks, Rouges, Talcum, Shampoos, Depilatories, Deodorants, Brilliantines, Skin Lotions, and Sachets.
Claims use since 1930.

Ser. No. 396,624. WELCH & JOHNSON MFG. CO., Chicago, Ill. Filed Aug. 20, 1937.

MME. CARTERS PRODUCTS



The word "Products" is disclaimed apart from the mark.
For Hair Preparations—Namely, Dandruff Oil and Hair Tonic.
Claims use since Apr. 15, 1937.

Ser. No. 396,637. H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Aug. 21, 1937. Under 10-year proviso.

ATLAS

For Colors in the Form of Powder and Pulp Used in the Manufacture of Cosmetics.
Claims use since 1882.

Ser. No. 396,739. EDWARD HOWELL, Chicago, Ill. Filed Aug. 25, 1937.

KLEEN-ZYME

The word "Zyme" is disclaimed.
For Laxative and Enzyme Compound.
Claims use since June 15, 1936.

Ser. No. 396,770. EUROMERICA MEDICAL PRODUCTS, INC., New York, N. Y. Filed Aug. 26, 1937.



No claim is made to the representation of the carton per se or to any wording except "OpTrex" and "Happy Eyes are Beautiful Eyes". The portrait is that of a living individual, Doree Moore.
For Lotion for the Eyes.
Claims use since Apr. 30, 1935.

Ser. No. 396,808. DAWSTELL LABORATORIES, Jacksonville, Fla. Filed Aug. 27, 1937.

SETTLER

For Preparation for the Treatment of Nausea, and Especially That Arising from Sea or Air Travel.
Claims use since Apr. 22, 1937.

Ser. No. 396,930. A. J. PFLUGER, Brillton, Wis. Filed Aug. 30, 1937.

YO-DE-O

LINIMENT

The word "Liniment" is disclaimed.
For Liniment.
Claims use since Oct. 31, 1932.

Ser. No. 396,965. PICOT LABORATORIES, INC., Wilmington, Del. Filed Aug. 31, 1937.

PICOT

The body of the central panel and the "Picot" border above and below are orange yellow, the leaves are green, and the wisteria blossoms are purple, and this color scheme is an essential feature of the mark.

For Medicinal Preparation Suitable for Use as a Laxative, Purgative, Aperient, Diuretic, Intestinal Eliminant, and for the Treatment of Constipation and Ailments Attributable Thereto.
Claims use since June 24, 1937.

Ser. No. 397,242. BULLOCK'S, INC., Los Angeles, Calif. Filed Sept. 9, 1937.

PALM SPRINGS

For Face, Skin, and Massage Creams, Pastes, Oils, Lotions, and Powders, Nail Preparations, Perfumes, and Toilet Water, Rouge and Lipstick.
Claims use since July 3, 1937.

Ser. No. 397,331. EFFANTAB PRODUCTS, INC., New Rochelle, N. Y. Filed Sept. 11, 1937.

EFF-HED-TAB-TAB

For Effervescent Headache Tablets.
Claims use since Aug. 31, 1937.

Ser. No. 397,351. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Sept. 13, 1937.

DESYNON

For Crystalline Vitamin D.
Claims use since Aug. 26, 1937.

Ser. No. 397,416. PARFUMERIE ST. DENIS, New York, N. Y. Filed Sept. 14, 1937.

SAINTS RELEASE

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Eau de Cologne, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Sept. 3, 1936.

Ser. No. 397,437. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Sept. 15, 1937.

For Heavy Chemicals, Particularly Sodium Sulphide, Salt Cake, Sodium Bisulphite, Acetic Acid, Ferric Sulphate, Ferric Nitrate, Stannous Chloride, Iron Sulphide, Lead Acetate, Nitre Cake, Aluminum Sulphate, Sulphur, Oxalic Acid, Ammonia Alum, Potash Alum, Sodium Hyposulfite, Epsom Salt, Glauber's Salt, Sodium Meta-Silicate, Sodium Aluminum Sulphate, Sodium Fluoride, Disodium Phosphate, Trisodium Phosphate, and Sodium Sulphite, and for Fungicides and Insecticides.

Claims use to said sodium sulphide since June, 1929, to said salt cake and sodium bisulphite since August, 1929, to said acetic acid, ferric sulphate, ferric nitrate and stannous chloride since October, 1929, to said iron sulphide and lead acetate since November, 1929, to said nitre cake since November, 1930, to said aluminum sulphate since February, 1931, to said sulphur since May, 1933, to said oxalic acid since April, 1934, to said ammonia alum, potash alum, sodium hyposulfite and Epsom salt since July, 1934, to said Glauber's salt and sodium meta-silicate since August, 1934, to said sodium aluminum sulphate, sodium fluoride, disodium phosphate, trisodium phosphate and sodium sulphite since September, 1934, to said fungicides since May, 1933, and to said insecticides since September, 1934.

Ser. No. 397,438. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Sept. 15, 1937.

For Heavy Chemicals, Particularly Sodium Sulphide, Salt, Cake, Sodium Bisulphite, Acetic Acid, Ferric Sulphate, Ferric Nitrate, Stannous Chloride, Iron Sulphide, Lead Acetate, Nitre Cake, Aluminum Sulphate, Sulphur, Oxalic Acid, Ammonia Alum, Potash Alum, Sodium Hyposulfite, Epsom Salt, Glauber's Salt, Sodium Meta-Silicate, Sodium Aluminum Sulphate, Sodium Fluoride, Disodium Phosphate, Trisodium Phosphate, and Sodium Sulphite, and for Fungicides and Insecticides.

Claims use to said sodium sulphide since June, 1929, to said salt cake and sodium bisulphite since August, 1929, to said acetic acid, ferric sulphate, ferric nitrate and stannous chloride since October, 1929, to said iron sulphide and lead acetate since November, 1929, to said nitre cake since November, 1930, to said aluminum sulphate since February, 1931, to said sulphur since May, 1933, to said oxalic acid since April, 1934, to said ammonia alum, potash alum, sodium hyposulfite, and Epsom salt since July, 1934, to said Glauber's salt and sodium meta-silicate since August, 1934, to said sodium aluminum sulphate, sodium fluoride, disodium phosphate, trisodium phosphate, and sodium sulphite since September, 1934, to said fungicides since May, 1933, and to said insecticides since September, 1934.

Ser. No. 397,472. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Sept. 16, 1937.

VI-PENTA

For Medicinal Preparation Containing a Mixture of Vitamins.
Claims use since Sept. 1, 1937.

Ser. No. 397,489. SUDOL PRODUCTS, INC., New Orleans, La. Filed Sept. 16, 1937.

Sudol

For Water-Repellant Preparation for Use on Fabrics and Garments to Prevent Discoloration Thereof by Perspiration.
Claims use since July 27, 1937.

Ser. No. 397,594. UNITED DRUG COMPANY, Boston, Mass. Filed Sept. 20, 1937.

Rex-Optex

For Eye Lotion.
Claims use since Nov. 17, 1936.

Ser. No. 397,657. THE GENERAL PHARMACAL COMPANY, Cincinnati, Ohio. Filed Sept. 22, 1937.

TRU BLUE

For Analgesic and Antipyretic Compounds, Acetanilid Derivatives, Natural Colloidal Minerals, Bisma-Zyme-Olates, Diet Supplement Tablets, General Tonic Tablets,

Antacid Preparation, Compound Tablets for Relief of Pain, Hygienic Ointment, Mustard Ointment, Medicine for Relief of Asthma, Laxative and Cathartic Preparations.
Claims use since Oct. 1, 1915.

Ser. No. 397,720. PARK & TILFORD, New York, N. Y. Filed Sept. 23, 1937.

Adventure

For Perfumes.
Claims use since Sept. 2, 1937.

Ser. No. 397,799. EFF LABORATORIES, INC., Cleveland, Ohio. Filed Sept. 25, 1937.

POTENAY

For Concentrates and Preparations Rich in Vitamin Activity.
Claims use since Sept. 1, 1937.

Ser. No. 397,819. SCHERINO & GLATZ, INC., New York, N. Y. Filed Sept. 25, 1937.

BENZOCHROME

For Medicinal Preparations for the Treatment of Infectious Diseases of the Urinary Tract as Well as Other Mucous Membranes, Like Those of Ear, Nose, and Throat.
Claims use since Sept. 17, 1937.

Ser. No. 397,820. SCHERING & GLATZ, Inc., New York, N. Y. Filed Sept. 25, 1937.

CRESOCHROME

For Medicinal Preparations for the Treatment of Infectious Diseases of the Urinary Tract as Well as Other Mucous Membranes, Like Those of Ear, Nose, and Throat.
Claims use since Sept. 17, 1937.

Ser. No. 397,831. AMFRE DRUG CO., INC., New York, N. Y. Filed Sept. 27, 1937.

BILEFEROL

For Medicine for the Treatment of Gall Bladder.
Claims use since Sept. 14, 1937.

Ser. No. 397,872. REED DRUG COMPANY, INC., Miami, Fla. Filed Sept. 27, 1937.

Qui~etts

For Tablets for the Relief of Periodic Pain.
Claims use since May 25, 1937.

Ser. No. 397,894. ATLAS POWDER COMPANY, Wilmington, Del. Filed Sept. 28, 1937.

ZATEX

For Solutions of Cellulose Derivatives—Namely, Cellulose Esters and Ethers, for Printing, Finishing, Delustering and/or Coating Textiles, Fabric, Wool, Metal, Etc.
Claims use since Aug. 25, 1937.

Ser. No. 397,980. MELDOL, INCORPORATED, New York, N. Y. Filed Sept. 30, 1937.

MELDOL

For Composition for External Application for Effecting Reformation of Fleshy Portions of the Human Body and Preparation for External Application Useful in the Treatment of Human Ailments Through Causing Perspiration.
Claims use since Sept. 15, 1937.

Ser. No. 397,985. SILVER OXIDE PRODUCTS COMPANY, INCORPORATED, Aldan, Pa. Filed Sept. 30, 1937.

AROX

For Colloidally Dispersed Silver Oxide.
Claims use since Mar. 19, 1934.

Ser. No. 397,996. OTTO BECK, New York, N. Y. Filed Oct. 1, 1937.

AKLO

For Preparation for the Relief of Asthma and Bronchitis.
Claims use since Sept. 28, 1937.

Ser. No. 398,008. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Oct. 1, 1937.

PYROLID

For Medicinal Preparation Indicated for Use as a Sedative and Hypnotic.
Claims use since Sept. 15, 1937.

Ser. No. 398,099. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed Oct. 4, 1937.

Man-Na-Cac-Col

For Colloidal Manganese Sodium Cacodylate Preparation in Ampul Form for Intragluteal Use.
Claims use since Sept. 22, 1937.

Ser. No. 398,115. LINO MANZONI, New York, N. Y. Filed Oct. 4, 1937.

Linok

For Extract for Hair Troubles.
Claims use since Sept. 29, 1937.

Ser. No. 398,173. PRINCE MATCHABELLI, INC., New York, N. Y. Filed Oct. 5, 1937.

INFANTA

For Perfumes and Eau de Cologne.
Claims use since Sept. 1, 1937.

Ser. No. 398,182. U. S. STANDARD PRODUCTS COMPANY, Woodworth, Wis. Filed Oct. 5, 1937.

SULO

For Medicinal Solution for Use in the Treatment of Arthritis.
Claims use since July 1, 1937.

Ser. No. 398,200. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Glomerulin

For Medicinal Preparation for Treatment of Nephritis, Albuminuria, and Renal Impermeability.
Claims use since Aug. 26, 1937.

Ser. No. 398,204. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Sedocrin

For Medicinal Preparation for Treatment of Hyperthyroidism.
Claims use since Aug. 26, 1937.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 397,190. THE EVEREDY COMPANY, Frederick, Md. Filed Sept. 7, 1937.

Gigolo

For Empty Cigarette Boxes.
Claims use since July 27, 1937.

Ser. No. 397,191. THE EVEREDY COMPANY, Frederick, Md. Filed Sept. 7, 1937.

Gigolette

For Empty Cigarette Boxes.
Claims use since July 27, 1937.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 397,953. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn. Filed Sept. 29, 1937.

SCOREMASTER

For Firearms, Particularly Sporting Shotguns and Rifles.
Claims use since Sept. 10, 1937.

CLASS 10

Fertilizers

Ser. No. 391,335. THE OSMO GARDEN COMPANY, Philadelphia, Pa. Filed Apr. 14, 1937.

OSMOCULTURE

For Material to Facilitate the Growth of Seeds, and Cuttings, and Seedlings Consisting in One Form of a Sterile Medium of Sand, Charcoal, and Leather Fibre and in Another Form of Leather Fibre and Wool.
Claims use since Aug. 10, 1936.

Ser. No. 396,938. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif. Filed Aug. 30, 1937.

LAY-AN-GROW

For Fertilizer.
Claims use since Aug. 14, 1937.

Ser. No. 397,296. PLANT FOOD CORP., Los Angeles, Calif. Filed Sept. 10, 1937.

GROWMASTER

For Fertilizers.
Claims use since Aug. 13, 1937.

Ser. No. 397,297. PLANT FOOD CORP., Los Angeles, Calif. Filed Sept. 10, 1937.

VERDITE

For Fertilizers.
Claims use since Mar. 11, 1935.

CLASS 11

Inks and Inking Materials

Ser. No. 397,626. TYBON CORPORATION, Philadelphia, Pa. Filed Sept. 21, 1937.



For Inked Ribbons and Carbon Paper.
Claims use since Apr. 7, 1937.

CLASS 12

Construction Materials

Ser. No. 382,153. FRANK C. FEISE, doing business as F. C. Feise Co., Roxborough, Philadelphia, Pa. Filed Aug. 14, 1936.

TENIKO

For Tennis Court Surfacings of Various Colors, Tennis Court Composition Clay Surfacings.
Claims use since May 15, 1936.

Ser. No. 387,674. THE ROBERT MITCHELL CO. LIMITED, Montreal, Quebec, Canada. Filed Jan. 11, 1937.

THERMOSASH

For Glass Window or Panel Units for Buildings, Display Windows, and Display Cases.
Claims use since Nov. 12, 1935.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 394,551. RAINCLOUD WATER SOFTENER, INC., Green Bay, Wis. Filed June 26, 1937.



For Trap-Type Water Softeners.
Claims use since August, 1936.

Ser. No. 394,652. AMERICAN COOLER CO., INC., New York, N. Y. Filed June 28, 1937.

ACCO

For Beer Dispensing and Refrigeration Equipment and Bar Equipment—Namely, Flexible Tubes and Couplings, Metal Beer Hose, Taps, Rinsing Nozzles, Multiple Pressure Controls for Taps, Keg Tapping Faucets, Keg Vents, Sinks, Faucet and Valve Repair Washers, Bushings and Clamps for Beer Tapping Systems, Block Tin Pipe, Aluminum Beer Pipes, Lead Air Tubing, Pipe Hose Clamps, Draught Tubes and Fittings, Faucets, Air Pressure Regulator Valves, Brass Beer Fittings, Beer Pipe Cleaner Fittings, Bar Railings and Brackets, Pipe Fittings, Compression Fittings, Refrigerant Control Valves, Refrigeration Valves, and Shut Off Valves.
Claims use since Nov. 20, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 391,616. BOCHUMER VEREIN FÜR GUSSTAHLFABRIKATION AKTIENGESELLSCHAFT, Bochum, Germany. Filed Apr. 21, 1937.



For Steel, Iron, Brass, Aluminum, and Like Metal Castings, Forgings, and Half-Finished Articles.
Claims use since July, 1924.

Ser. No. 396,675. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Aug. 23, 1937.

TANTALOY

For Metals and Alloys Thereof Adapted to Make Metal Working and Cutting Tools and to Make Wear-Resisting Surfaces Having Particular Reference to Refractory Metals Such as Tantalum, Columbium, Molybdenum, or Tungsten and Alloys Thereof.
Claims use since May 7, 1937.

Ser. No. 397,617. HIGH DUTY ALLOYS LIMITED, Slough, England. Filed Sept. 21, 1937.



For Unwrought and Partly Wrought Metals, and Stampings, Forgings, Die Castings, Sand Castings, and Extruded Sections All of Ordinary Metal.
Claims use since Feb. 23, 1937.

Ser. No. 397,618. HIGH DUTY ALLOYS LIMITED, Slough, England. Filed Sept. 21, 1937.

HIDUMINIUM

For Unwrought and Partly Wrought Metals, and Stampings, Forgings, Die Castings, Sand Castings, and Extruded Sections, All of Ordinary Metal.
Claims use since Sept. 1, 1937.

Ser. No. 398,011. LUDLUM STEEL CO., Watervliet, N. Y. Filed Oct. 1, 1937.

EB-

For Tool-Steels.
Claims use since July 1, 1915.

CLASS 15

Oils and Greases

Ser. No. 377,804. THE PURE OIL COMPANY, Chicago, Ill. Filed Apr. 29, 1936.



For Liquid Hydrocarbon Motor Fuel, Lubricating Oils, and Lubricating Greases.
Claims use since Apr. 21, 1936.

Ser. No. 394,745. THE FACTORY OIL COMPANY, Akron, Ohio. Filed July 1, 1937.

Facto

For Gasoline and Oils.
Claims use since January, 1937.

Ser. No. 394,746. THE FACTORY OIL COMPANY, Akron, Ohio. Filed July 1, 1937.



The words "Quality" and "Products" are disclaimed apart from the mark.
For Gasoline and Oils.
Claims use since January, 1937.

Ser. No. 395,930. THE ROYAL MANUFACTURING COMPANY, Tulsa, Okla. Filed Aug. 2, 1937.

ROYAL

ROYAL TOOL JOINT DRESSING

The words "Tool Joint Dressing" are disclaimed except as used in conjunction with the mark.
For Tool Joint Dressing in the Nature of a Lubricant.
Claims use since July 10, 1935.

Ser. No. 397,387. SOUTHPORT PETROLEUM COMPANY, Kilgore, Tex. Filed Sept. 13, 1937.



The words "Southport Super Gasoline" are disclaimed apart from the mark. The drawing is lined for red.
For Gasoline.
Claims use since Apr. 29, 1936.

Ser. No. 397,742. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Sept. 24, 1937.

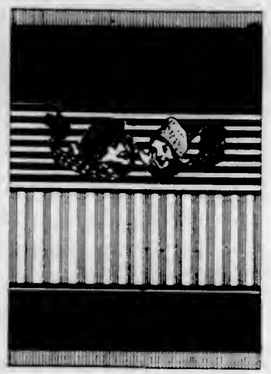
PERMALUBE

For Lubricating Oils.
Claims use since February, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 381,168. OLD DUTCH PROCESS MFG. CO., Brooklyn, N. Y. Filed July 18, 1936.



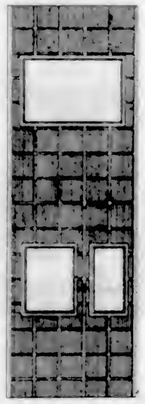
The drawing is lined for red.
For Furniture Polish, Liquid Wax, Automobile Polish, Ready Mixed Paints, and Prepared Shellac.
Claims use since January, 1936.

Ser. No. 397,006. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Sept. 1, 1937.

Esso

For Floor Dressing.
Claims use since June 29, 1937.

Ser. No. 397,250. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 9, 1937.



The drawing is lined for blue. The representation of the label per se is disclaimed.
For Ready Mixed Paints, Varnishes, Paint Enamels, Liquid Floor Wax, Primers, Varnish Stains, Metallic Paint, Oil Stains, Thinners, Leads, Lacquers, Prepared Shellacs, Furniture Polish.
Claims use since Mar. 28, 1931, on furniture polish; since March, 1932, on remaining goods.

Ser. No. 397,501. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Sept. 17, 1937.

TRUELIGHT FLAT

The word "Flat" is disclaimed apart from the mark.
For Ready-Mixed Paints.
Claims use since Nov. 9, 1936.

Ser. No. 397,553. ROK-HESIVE MANUFACTURING CO., Glendale, Calif. Filed Sept. 18, 1937.

ROK-HESIVE
PERMANENT PROTECTION

The words "Permanent Protection" are disclaimed except as shown.
For Coatings and Fillers in the Nature of a Paint for Artificial and Natural Stone.
Claims use since Aug. 1, 1936.

CLASS 17

Tobacco Products

Ser. No. 395,262. THE ANTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed July 16, 1937.

HIGH HAT

For Cigarettes.
Claims use since June 11, 1937.

Ser. No. 396,006. S. S. PIERCE CO., Boston, Mass. Filed Aug. 4, 1937.

Gold Coast

For Pipe Tobacco.
Claims use since Apr. 2, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 395,461. HAROLD W. SHONNARD, Montclair, N. J. Filed July 20, 1937.

TRUCKALATOR

For Elevating Tailgates for Vehicles.
Claims use since June 29, 1937.

Ser. No. 395,652. ROSE M. PASEL, doing business as Pasel Boat Shops, Long Beach, Calif. Filed July 26, 1937.

SKIMMER

For Small Sailboats.
Claims use since July 25, 1936.

Ser. No. 396,566. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 19, 1937.

La Salle

For Automobiles and Structural Parts Thereof.
Claims use since July 20, 1937.

Ser. No. 396,789. THE SLEETEX CO. INC., New York, N. Y. Filed Aug. 26, 1937.



The word "Defroster" is disclaimed apart from the mark.
For Vehicle Windshield Wiper Blades.
Claims use since July 1, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 388,431. BROWN RAY PHONES, San Francisco, Calif. Filed Feb. 2, 1937.

RAY *phones*

The term "Phones" is disclaimed.
For Radio Receiving and Transmitting Equipment and Parts Thereof.
Claims use since Sept. 14, 1932.

Ser. No. 397,244. CHICAGO ELECTRIC MANUFACTURING CO., Chicago, Ill. Filed Sept. 9, 1937.

Juicit

For Household Appliances for Extracting the Juice from Fruit, and More Particularly Electric Motor-Driven Machines for Reaming the Juice from Oranges.
Claims use since Jan. 28, 1933.

Ser. No. 397,421. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill. Filed Sept. 14, 1937.

PINCO

For Generators, Electric Motors, Dynamotors, Inverted Rotary Converters, Motor Generators, Gas Engine Driven Electric Generating Plants, Wind Driven Electric Generating Plants, Battery Charging Plants, and Electric Power Plants.
Claims use since Apr. 10, 1937.

Ser. No. 397,490. UNDERWRITERS SAFETY DEVICE CORPORATION, Chicago, Ill. Filed Sept. 16, 1937.

SOS

For Electric Switches for Use in Automotive Vehicles and Operating as an Automatic Circuit Breaker When the Vehicle Overturns.
Claims use since June 1, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 390,252. STRAUSS-ECKARDT CO., INC., New York, N. Y. Filed Mar. 18, 1937.

SECO

For Dolls, Blocks, Dominoes, Mechanical Toys, Trumpets, Whistles, Toy Watches, Toy Horns, Musical Instrument Toys, Noise-Making Toys, Parlor Board Games—Namely, Dominoes, Lottoes, and Checkers; and Paper Games—Namely, House That Jack Built and Steeple

Chase; Hallowe'en Toys—Namely, Pumpkins, Black Cats, Masks, Paper Blow-Outs, Wood Crickets, Witches, Party Favors, Paper Hats, and Costume Bells; Easter toys—Namely, Rabbits, Paper Eggs, Cotton Chicks, Rabbits and Carts, Biscuits, and Hens; and Tool Toys—Namely, Steel Pliers, Hand Saws, Screw Drivers, and Saws.
Claims use since Dec. 6, 1922.

Ser. No. 395,642. GORSLINE FINCH SPORTING GOODS COMPANY, Denver, Colo. Filed July 26, 1937.



No claim is made to the representation of the goods and of the fish apart from the mark shown.
For Fishing Baskets, Flies, Flyhooks, Fishing Gut (Artificial and Spanish), Hooks (Ringed, Eyed, Snelled and Unsnelled, Single, Double, and Treble), Landing Nets, Leaders, Dip Nets, Reels, Rods, Rod Accessories, Salmon Eggs Used as a Bait (Bottled and Canned), Seines, Sinkers, Spinners, Lines, and Fishing Boot Harnesses.
Claims use since Jan. 1, 1927.

Ser. No. 396,705. BEEKMAN AITKEN, doing business as Corkers Company, New York, N. Y. Filed Aug. 24, 1937.



CORKERS

The representation of a game board is disclaimed apart from the mark and the six pointed star design as shown. The drawing is lined for red, yellow, and blue.
For Board Game Played with Movable Pieces.
Claims use since June 2, 1937.

Ser. No. 396,708. CHARLIE MCCARTHY, INC., New York, N. Y. Filed Aug. 24, 1937.



The silhouette is fictitious.
For Dolls.
Claims use since July 30, 1937.

Ser. No. 397,379. RECREATIONAL EQUIPMENT CO., Denver, Colo. Filed Sept. 13, 1937.

MUTINY ON THE BOUNTY

For Board Game Played with Movable Pieces.
Claims use since Sept. 1, 1937.

Ser. No. 397,518. JOSEPH SCHNEIDER, INC., New York, N. Y. Filed Sept. 17, 1937.

BINGOJECTOR

For Games, the Paraphernalia Being an Apparatus for Projecting Varying Numbers on a Flat Surface.
Claims use since June 5, 1937.

Ser. No. 397,730. CHARLES H. STAPF, doing business as Prescott Spinner Manufacturing Company, Prescott, Wis. Filed Sept. 23, 1937.

WiggleWobble

For Jointed Wire Leader.
Claims use since Apr. 5, 1937.

Ser. No. 397,876. O. SCHOENHUT INC., Philadelphia, Pa. Filed Sept. 27, 1937.

BRODI

For Game Using an Indicator and Chips.
Claims use since July 20, 1937.

Ser. No. 397,944. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 29, 1937.

YELLOW JACKET



For Tennis Rackets.
Claims use since May 1, 1932.

Ser. No. 397,945. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 29, 1937.

BLUE JACKET



For Tennis Rackets.
Claims use since May 1, 1937.

Ser. No. 397,946. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 29, 1937.

WHITE JACKET



For Tennis Rackets.
Claims use since May 1, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 397,934. INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J. Filed Sept. 29, 1937.

DIANA

For Razors and Razor Blades.
Claims use since Sept. 23, 1937.

CLASS 24

Laundry Appliances and Machines

Ser. No. 390,958. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind. Filed Apr. 5, 1937.

KleenZONING

The word "Kleen" is disclaimed apart from the mark.
For Laundry Washing Machines and Laundry Washing Machine Agitators.
Claims use since Dec. 30, 1936.

Ser. No. 393,224. HARRY JAMES MCDEVITT, Philadelphia, Pa. Filed May 25, 1937.

Master

For Automobile Air Filter Cleaner Apparatus Consisting of a Receptacle Wherein the Said Automobile Filter is Immersed for Cleaning, Said Receptacle Being Mounted Upon a Stand or Support.
Claims use since Nov. 1, 1936.

Ser. No. 398,054. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed Oct. 2, 1937.

4800

For Folding Ironing Tables.
Claims use since May, 1936.

Ser. No. 398,055. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed Oct. 2, 1937.

5400

For Folding Ironing Tables.
Claims use since May, 1936.

Ser. No. 398,056. NATIONAL WASHBOARD COMPANY, Chicago, Ill. Filed Oct. 2, 1937.

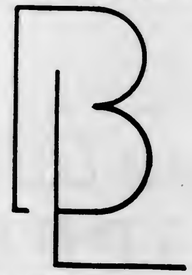
540

For Folding Ironing Tables.
Claims use since May, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 397,605. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Sept. 21, 1937.



For Ophthalmic Lenses.
Claims use since July 15, 1937.

Ser. No. 397,674. NAAMLOOZE VENNOOTSCHAP CHEMISCHE FABRIEK L. VAN DER GRINTEN, Venlo, Netherlands. Filed Sept. 22, 1937.

RETOCEE

For Copying Apparatus and Developing Apparatus for Technical and "Plan" Reproduction and the Reproduction of Technical Drawings (Excepting Lamps as Such) Involving the Use of a Light-Sensitive Agent; Light-Sensitive Paper Product for Photographic Purposes and Photographic Printing and Reproduction, Sensitized Plates, Sensitized Films, and Sensitized Papers for Photography and Reproductions; Screens, Instruments for Determining Quantities of Light Energy, Dosometers, Printing Frames.
Claims use since Aug. 15, 1937.

Ser. No. 397,886. WALT DISNEY PRODUCTIONS, LTD., Los Angeles, Calif. Filed Sept. 27, 1937.

DONALD DUCK

For Series of Motion Picture Animated Cartoons.
Claims use since Dec. 12, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 397,246. JOEL B. CLARK, Buffalo, N. Y. Filed Sept. 9, 1937.

KRALINATOR

For Apparatus Through Which Lubricating Oils Are Circulated and by Which Impurities Are Mechanically Removed and Ingredients Are Slowly Added to the Oil to Dissolve Sludge and Facilitate the Mechanical Removal of Impurities.
Claims use since June 12, 1936.

CLASS 37

Paper and Stationery

Ser. No. 393,910. JACOB HARRIS, doing business as The Majestic Pen Co., New York, N. Y. Filed June 10, 1937.

Air Conditioned

For Fountain Pens, and Pen and Pencil Sets.
Claims use since Mar. 29, 1937.

Ser. No. 395,712. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn. Filed July 28, 1937.

True Blue
CLIP-P-E-R

For Stapling Pliers.
Claims use since July 2, 1937.

Ser. No. 395,714. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn. Filed July 28, 1937.



For Stapling Pliers.
Claims use since July 2, 1937.

Ser. No. 396,795. S. D. WARREN COMPANY, Boston, Mass. Filed Aug. 26, 1937.

RUBBERLEAF

For Interleaving Paper.
Claims use since Sept. 8, 1936.

Ser. No. 396,872. GINSBURG BROS., INC., doing business as Consolidated Paper Products Co., Sommerville, Mass. Filed Aug. 28, 1937.

CRISCO

For Paper Baking Cups, Wax Paper, and Paper Napkins.
Claims use since Aug. 13, 1937.

Ser. No. 396,891. PARK-SHERMAN CO., Chicago, Ill. Filed Aug. 28, 1937.

TIME-SECRETARY

"Clocks Your Appointments"

The slogan "Clocks Your Appointments" is disclaimed apart from the mark.
For Desk Appointment Pads.
Claims use since July 1, 1937.

CLASS 38

Prints and Publications

Ser. No. 396,953. CHILD WELFARE COMPANY, INC., Washington, D. C. Filed Aug. 31, 1937.

National Parent-Teacher

For Periodical Publications.
Claims use since February, 1937.

Ser. No. 397,031. IL BUON SAMARITANO, INC., New York, N. Y. Filed Sept. 2, 1937.

IL BUON SAMARITANO

For Semi-Monthly Publication Devoted Principally to Religious, Social, and Cultural Subjects.
Claims use since May, 1935.

Ser. No. 397,359. FICTION HOUSE, INC., New York, N. Y. Filed Sept. 13, 1937.

FOOTBALL Stories

For Periodical.
Claims use since Aug. 1, 1937.

CLASS 39

Clothing

Ser. No. 383,514. WORTH UNDERGARMENT CO., New York, N. Y. Filed Sept. 22, 1936.

Hi STEPPER

For Ladies' Silk Undergarments, Consisting of Slips, Pajamas, Gowns, Dance-Sets, Panties, Chemises, and Petticoats.
Claims use since Aug. 12, 1936.

Ser. No. 392,773. MAURICE L. ROTHSCHILD, INCORPORATED, Chicago, Ill. Filed May 14, 1937.



The words "Street Clothes" and "Exclusive With" are disclaimed apart from the mark.
For Men's and Boys' Suits, Coats, Overcoats, Topcoats, Vests, Trousers, Knickerbockers, and Breeches.
Claims use since Feb. 1, 1937.

Ser. No. 393,031. THE FUR MART OF AMERICA, INC., New York, N. Y. Filed May 20, 1937.



Empresseal

SUPER QUALITY
Seal Dyed Coney

The words "Super Quality" and "Seal Dyed Coney" are disclaimed.
For Dyed Coney Coats, Capes, and Jackets.
Claims use since Jan. 1, 1936.

Ser. No. 393,454. STANDARD GARMENT CO. INC., New York, N. Y. Filed May 29, 1937.

Snap-form

The picture of a snap fastener and the words "Snap" and "Form" are disclaimed apart from the mark.
For Ladies' and Children's Dresses, Outer Skirts, Blouses, Suits, Coats, Capes, Aprons, Culottes; Uniforms for Nurses, Cooks, Maids, Waitresses, and House Use; Underwear, Slips, Pajamas, Negligees, Panties, Nightgowns, Undervests, Bloomers, Brassières, Union-Suits, and House Coats.
Claims use since Apr. 19, 1937.

Ser. No. 393,455. STANDARD GARMENT CO. INC., New York, N. Y. Filed May 29, 1937.

Snap-frock

The picture of a snap fastener, and the words "Snap" and "Frock" are disclaimed apart from the mark.
For Ladies' and Children's Dresses, Outer Skirts, Blouses, Suits, Coats, Capes, Aprons, Culottes; Uniforms for Nurses, Cooks, Maids, Waitresses, Manicurists, Demonstrators, Beauticians, and House Use; Underwear, Slips, Pajamas, Negligees, Panties, Nightgowns, Undervests, Bloomers, Brassières, Union-Suits, and House Coats.
Claims use since Apr. 23, 1937.

Ser. No. 393,718. LEWMAC FURS, INC., New York, N. Y. Filed June 5, 1937.



The words "Seal Dyed Coney" are disclaimed apart from the mark.
For Ladies' Coats Manufactured From Skins of Coney, Rabbit, Marmot, and Muskrat.
Claims use since Jan. 15, 1936.

Ser. No. 394,559. SMART FUR CORPORATION, New York, N. Y. Filed June 26, 1937.

Empress SEAL DYED coney

The words "Seal Dyed Coney" are disclaimed apart from the mark.
For Ladies' and Misses' Fur Coats.
Claims use since May 20, 1937.

Ser. No. 395,188. CLASSIC FOUNDATIONS, INC., New York, N. Y. Filed July 14, 1937.

FONDÉ Youth.

For Corsets, Brassières, and Girdles.
Claims use since Sept. 28, 1936.

Ser. No. 395,318. LOU SCHNEIDER, INC., New York, N. Y. Filed July 16, 1937.

Karavana

For Ladies' Coats and Suits.
Claims use since June, 1936.

Ser. No. 395,478. JIFF-EE-MADE CO., Philadelphia, Pa. Filed July 21, 1937.

Jiff-ee-Made

The word "Made" is disclaimed apart from the mark.
For Undergarments—Namely, Vests, Chemises, Bloomers, Step-Ins, Panties, Slips, Half Slips and Nightgowns for Women, Shirts, Shorts, and Union Suits for Men, and Vests, Panties, Bloomers, and Slips for Children Cut out and Ready for Assembling.
Claims use since May 3, 1937.

Ser. No. 395,513. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed July 22, 1937.

FLEXEES
COOL-AIRE
twin control

For Girdles, Corsets, and Brassières and Combinations Thereof.
Claims use since July 8, 1937.

Ser. No. 396,196. LARKWOOD SILK HOSIERY MILLS, INC., Charlotte, N. C. Filed Aug. 9, 1937.

LARKWOOD LO-HIGH'S

Applicant is owner of T. M. Reg. No. 249,750.
For Ladies' Hosiery.
Claims use since June 22, 1937.

Ser. No. 396,388. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Aug. 14, 1937.

hookloom

For Men's Suits.
Claims use since Jan. 9, 1936.

Ser. No. 396,415. E. MARMORSTEIN & CO., New York, N. Y. Filed Aug. 14, 1937.

"Soto-Rat"

The word "Rat" is disclaimed apart from the mark.
For Clothing and Accessories—Namely, Fur Coats, Fur Jackets, Fur Scarfs, and Fur Gloves.
Claims use since Jan. 1, 1937.

Ser. No. 396,540. THE LION KNITTING MILLS COMPANY, Cleveland, Ohio. Filed Aug. 18, 1937.

Wear With All

For Vests, Sweaters, and Sleeveless Sweaters for Women and Girls.
Claims use since July 27, 1937.

Ser. No. 396,664. BORGENICHT & SPIRO INC., New York, N. Y. Filed Aug. 23, 1937.



All wording except "Merry-Go-Round" and "Ellbee" is disclaimed apart from the mark.
For Ladies', Misses', and Children's Dresses.
Claims use since June 30, 1937.

Ser. No. 396,723. ONEITA KNITTING MILLS, Utica, N. Y. Filed Aug. 24, 1937.



The words "The Freedom Sleeve Non-Rip for the Athletic Man and Boy" are disclaimed apart from the mark.
For Sweat Shirt.
Claims use since March, 1933.

Ser. No. 396,810. SIMON FISHER, Berlin, N. J. Filed Aug. 27, 1937.

Lady Martha

For Women's and Misses' Princess Slips, Night Gowns, Pajamas, Panties.
Claims use since July 22, 1937.

Ser. No. 396,881. LONDONDERRY, INC., New York, N. Y. Filed Aug. 28, 1937.



The words "Camel" and "A Rugged Coat of Distinction" are disclaimed apart from the mark.
For Women's and Misses' Camel's Hair Coats.
Claims use since October, 1934.

Ser. No. 397,079. JOHN IRWIN, JR., doing business as Junior Executive, Chicago, Ill. Filed Sept. 3, 1937.

JUNIOR EXECUTIVE

For Women's and Misses' Dresses.
Claims use since Aug. 10, 1937.

Ser. No. 397,155. LOUIS S. ROSE, doing business as Rose Brothers, New York, N. Y. Filed Sept. 4, 1937.

"COOLGORA SPUN"

The word "Spun" is disclaimed except in connection with the mark shown.
For Men's and Young Men's Coats, Vests, and Trousers.
Claims use since Sept. 2, 1937.

Ser. No. 397,237. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Sept. 9, 1937.

FIVE HUNDRED

For Ladies' Hats.
Claims use since September, 1932.

Ser. No. 397,269. SAKS & COMPANY, New York, N. Y. Filed Sept. 9, 1937.

Petites Maisons

For Women's and Misses' Hats.
Claims use since May 1, 1934.

Ser. No. 397,288. THE KNORR MERCANTILE CO., Wichita, Kans. Filed Sept. 10, 1937.

LADY A

For Hosiery.
Claims use since July 1, 1937.

Ser. No. 397,310. TRU TAILORED, INC., New York, N. Y. Filed Sept. 10, 1937.

MASCULETTE

For Ladies' Pajamas, Negligees, Nightgowns, Petticoats, Slips, Panties, Brassières, and Bloomers.
Claims use since July 13, 1936.

Ser. No. 397,352. BIBERMAN BROS. INC., Philadelphia, Pa. Filed Sept. 13, 1937.

Zip-a-long

For Women's Dresses.
Claims use since June 15, 1937.

Ser. No. 397,399. JOSEPH R. BERNSTEIN, Chicago, Ill. Filed Sept. 14, 1937.

FIVE GRAND

For Clothing for Men and Women—Namely, Boots and Shoes of Leather, Fabric, and Combinations Thereof, and Hats.
Claims use since Aug. 17, 1937.

Ser. No. 397,409. JULIUS KAYSER & CO., New York, N. Y. Filed Sept. 14, 1937.

KAY-JAMAS

For Ladies' Pajamas.
Claims use since Aug. 11, 1937.

Ser. No. 397,436. GARFINKEL & RITTER, New York, N. Y. Filed Sept. 15, 1937.

NAN-AT-EASE

For Chemises, Panties, Night-Gowns, Pajamas, Slips, Brassières, Negligees, and Corsets.
Claims use since Sept. 1, 1937.

Ser. No. 397,450. MILGRIM MANUFACTURING CO., New York, N. Y. Filed Sept. 15, 1937.

YAWN TIME

For Ladies' Negligees, Pajamas, Nightgowns, Slips, Petticoats, Panties, Brassières, and Bloomers.
Claims use since Feb. 3, 1936.

Ser. No. 397,469. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 16, 1937.

POUCHO

For Bathing Trunks and Gym Shorts.
Claims use since Sept. 10, 1937.

Ser. No. 397,566. BAKER-MOISE HOSIERY MILLS, Dallas, Tex. Filed Sept. 20, 1937.

No-Sho

For Ladies' Hosiery.
Claims use since Aug. 23, 1937.

Ser. No. 397,585. LUXURAY INC., New York, N. Y. Filed Sept. 20, 1937.

SPUNNEES

For Ladies', Men's, and Children's Bloomers, Undershirts, Step-Ins, and Panties Made of Silk, Cotton, Rayon, and Acetate.
Claims use since July 20, 1937.

Ser. No. 397,595. JOHN D. VAN ALLEN & SON, INC., Clinton, Iowa. Filed Sept. 20, 1937.

Tinies

For Following Items of Infants' Garments—White Combed Yarn Training Pants, 12½% Wool Training Pants, White, Bleached Heavy Cotton Shirt, Combed Cotton, Rayon Stripe Shirt, 12½% Wool Shirt, Bleached, Combed Yarn Cotton Band, Unbleached, Combed Yarn Cotton Band, 12½% Wool Band, Combed Cotton Night Gown, White Cotton Binder, 12½% Wool Binder, Unbleached Combed Cotton Kimono.
Claims use since Apr. 13, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 379,245. KANEGAFUCHI BOSEKI KABUSHIKI KWAISHA, Mukojima-ku, Tokyo, Japan. Filed June 3, 1936.

KANEBO

For Silk, Cotton, Artificial Silk, and Interwoven Textiles as Piece Goods.
Claims use since Mar. 13, 1930.

Ser. No. 396,733. CONCORD CHENILLE CO., INC., New York, N. Y. Filed Aug. 25, 1937.



Duro Persian

The word "Persian" is disclaimed apart from the mark.
For Piece Goods Made of Rayon or Artificial Silk.
Claims use since May, 1934.

Ser. No. 397,449. ANDREW MCLEAN COMPANY, Passaic, N. J. Filed Sept. 15, 1937.

STELE-TEX

For Buckram in the Piece.
Claims use since Aug. 23, 1937.

Ser. No. 397,510. A. D. JUILLIARD & CO. INC., New York, N. Y. Filed Sept. 17, 1937.

VELDUROY

For Corduroy and Velveteen.
Claims use since Apr. 29, 1937.

Ser. No. 397,738. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 24, 1937.

CELAIRE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Sept. 23, 1937.

Ser. No. 397,753. CRANSTON PRINT WORKS COMPANY, Cranston, R. I. Filed Sept. 24, 1937.

Cranswade

For Cotton Piece Goods.
Claims use since Aug. 25, 1937.

Ser. No. 397,767. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Sept. 24, 1937.

HER ROYAL HIGHNESS

For Textile Fabrics in the Piece of All Types and Styles, Made of Cotton, Silk, Rayon, Artificial Silk, Wool, Mixtures of Cotton and Silk, Cotton and Rayon, Cotton and Artificial Silk, or Cotton and Wool, Coverlets, Bed Spreads, Quilts, Comforter Covers and Puff Covers, Counterpanes, Mattress Ticking, Bed Sheets and Pillow Cases Manufactured from Said Fabrics or Any of Them, and Blankets Made of Wool or Mixtures of Cotton and Wool.
Claims use since Sept. 13, 1937.

Ser. No. 397,804. M. HAUSMAN & SONS, New York, N. Y. Filed Sept. 25, 1937.

Downé-Satin

The word "Satin" is disclaimed apart from the mark.
For Rayon and Cotton Goods.
Claims use since June 14, 1937.

Ser. No. 397,835. ARTHUR BEIR & CO., INC., New York, N. Y. Filed Sept. 27, 1937.

HOLLYWAIIAN

For Cotton Piece Goods.
Claims use since Sept. 13, 1937.

Ser. No. 397,840. CHOMPTON COMPANY, West Warwick, R. I. Filed Sept. 27, 1937.

Buckshot

For Corduroy.
Claims use since July 15, 1937.

Ser. No. 397,855. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Sept. 27, 1937.

TOWNHOUSE

For Rugs.
Claims use since July 15, 1937.

Ser. No. 397,905. LINKER & HERBERT, INC., New York, N. Y. Filed Sept. 28, 1937.

NORSPUN

For Woolen and Wool Mixture Fabrics in the Piece.
Claims use since September, 1935.

Ser. No. 397,982. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Sept. 30, 1937.

CELEBRITY

For Rayon Piece Goods.
Claims use since May 6, 1936.

CLASS 43

Thread and Yarn

Ser. No. 384,606. JULIUS A. WEINBERGER, doing business as The Jawine Company, New York, N. Y. Filed Oct. 20, 1936.



The words "Quality Supreme" and "Angora" are disclaimed apart from the mark. The drawing is lined for purple.

For Angora Wool Yarns.

Claims use since 1928.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 391,358. TOC'S PRODUCTS COMPANY, INC., Syracuse, N. Y. Filed Apr. 14, 1937.

SANI-TOC'S

For Sanitary Napkins.

Claims use since Feb. 1, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 395,420. KRUEGER BEVERAGE COMPANY, Newark, N. J. Filed July 19, 1937.

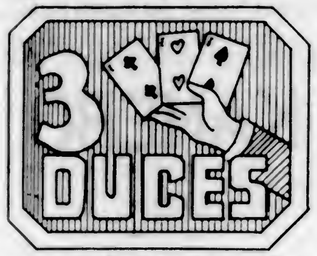


The name "Krueger" is disclaimed. The drawing is lined for red.

For Root Beer, Root Beer Syrup, and Root Beer Concentrate.

Claims use since May 5, 1937.

Ser. No. 397,964. DENHALTER BOTTLING COMPANY, Salt Lake City, Utah. Filed Sept. 30, 1937.



For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.

Claims use since Apr. 1, 1932.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 366,575. MOUNTAIN CITY MILL CO., doing business as Chattanooga Bakery, Chattanooga, Tenn. Filed June 24, 1935.



For Crackers, Snaps, Cakes, Cookies, Biscuits, Bread, Wafers, Graham Crackers, Lunch Biscuits, Oyster Crackers, and Animal Cakes and Crackers, and Cracker Flakes.

Claims use since Feb. 1, 1905.

Ser. No. 375,981. BLUE MOON CHEESE PRODUCTS, INC., Minneapolis, Minn. Filed Mar. 14, 1936.

Bar Spread

The word "Spread" is disclaimed apart from the mark.

For Cheese Compound.

Claims use since Sept. 24, 1935.

Ser. No. 380,753. JOE BROCATO, doing business as Spring St. Cafe, Shreveport, La. Filed July 8, 1936.

Wop Salad

The word "Salad" is disclaimed apart from the mark.

For Mixture of Anchovies, Capers, and Seeded Green and Black Olives Sealed in Containers, for Use with Vegetables in the Preparation of a Salad.

Claims use since 1901.

Ser. No. 381,672. PAUL L. KELLY, doing business as Kels Co., Petrolia, Pa. Filed July 31, 1936.



The words "Sassafras Gum" are disclaimed apart from the mark.

For Sassafras Chewing Gum.

Claims use since July 1, 1936.

Ser. No. 388,495. FOOD SPECIALTIES COMPANY, St. Louis, Mo. Filed Feb. 3, 1937.

CAPERS

For Edible Starch Product in Solid Form Flavored or Unflavored, Likewise Cakes and Candies.

Claims use since Jan. 27, 1937.

Ser. No. 391,136. LUZON INDUSTRIAL CORPORATION, Manila, P. I. Filed Apr. 9, 1937.



For Lard Substitute Made From Vegetable Oil.

Claims use since November, 1936.

Ser. No. 391,986. OSCAR MAYER & CO., INC., Chicago, Ill. Filed Apr. 28, 1937.



The representation of a label colored yellow is disclaimed apart from the mark. The mark consists in the design of a relatively narrow yellow band encircling the product centrally. The representation of the sausage per se is disclaimed.

For Sausage.

Claims use since Mar. 20, 1929.

Ser. No. 393,178. LAKESIDE PACKING COMPANY, Manitowoc, Wis. Filed May 24, 1937.

CEL-O-BEANS

The word "Beans" is disclaimed except as shown.

For Canned Product Consisting of a Combination of Celery and Green or Wax Beans.

Claims use since Oct. 6, 1936.

Ser. No. 394,465. MARS INCORPORATED, Chicago, Ill. Filed June 24, 1937.



The words "Butter Creams" and "5¢" are disclaimed apart from the mark.

For Candy.

Claims use since Apr. 21, 1937.

Ser. No. 394,553. RICE GROWERS ASSOCIATION OF CALIFORNIA, also doing business as Rice Growers Assn., Sacramento, Calif. Filed June 26, 1937.

PACIFIC ROSE

For Rice.

Claims use since June 4, 1937.

Ser. No. 394,747. FLORASYNTH LABORATORIES, INC., New York, N. Y. Filed July 1, 1937.



For Synthetic and Natural Aromatics and Essential Oils for Food Flavoring Purposes.

Claims use since May, 1916.

Ser. No. 395,351. MELISSA CANDIES, INC., New York, N. Y. Filed July 17, 1937.



For Candy.
Claims use since Aug. 15, 1931.

Ser. No. 396,035. GREEN BAY FOOD COMPANY, Green Bay, Wis. Filed Aug. 5, 1937.

L'ART

For Sweet, Mixed, Dill, and Sour Pickles, Chow-Chow, Sweet and Sour Onions, Sweet Pickle Relish, Italian Style Giardinera (Pickled Mixed Vegetables), Salad Dressing, Catsup, Worcestershire Sauce, Mustard, Vinegar, Canned Sauer Kraut, Fruit Preserves and Jellies, Honey, Table Syrup, and Peanut Butter.
Claims use since 1862.

Ser. No. 396,055. GEORGE WESTON, LIMITED, Passaic, N. J. Filed Aug. 5, 1937.

PICARDY

For Crackers.
Claims use since January, 1929.

Ser. No. 396,145. MAGGI CO., INC., New York, N. Y. Filed Aug. 7, 1937.



Applicant is the owner of trade-mark registrations No 151,860 dated Feb. 14, 1922, and No. 241,136 dated Apr 17, 1928.
For Bouillon Cubes and Granulated Bouillon.
Claims use since Oct. 23, 1908.

Ser. No. 396,146. MAGGI CO., INC., New York, N. Y. Filed Aug. 7, 1937.



For Bouillon Cubes.
Claims use since Oct. 23, 1908.

Ser. No. 396,147. MAGGI CO., INC., New York, N. Y. Filed Aug. 7, 1937.



For Bouillon Cubes.
Claims use since Oct. 23, 1908.

Ser. No. 396,344. THE MCDONALD CORPORATION, Auburndale, Fla. Filed Aug. 12, 1937.

FLO-GLO

For Fresh Citrus Fruits.
Claims use since Aug. 3, 1937.

Ser. No. 396,346. THE MCDONALD CORPORATION, Auburndale, Fla. Filed Aug. 12, 1937.

VALU-GLO

For Fresh Citrus Fruits.
Claims use since Aug. 3, 1937.

Ser. No. 396,359. THE BORDEN COMPANY, New York, N. Y. Filed Aug. 19, 1937.

Delavon

For Sugar Syrup with Caramel Coloring for Use in Making Malted Milk Drinks, Milk Shakes, and Other Food Beverages.
Claims use since Aug. 5, 1937.

Ser. No. 396,806. CRYSTAL SPRINGS PACKING CO. INC., Medford, Oreg. Filed Aug. 27, 1937.

MOUNTAIN SPRINGS

For Fresh Pears and Apples.
Claims use since July 29, 1937.

Ser. No. 396,822. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio. Filed Aug. 27, 1937.

La Grande

Applicant is the owner of trade-mark registration No. 119,093, Oct. 23, 1917.
For Bran, Middlings, Mixed Feed, Scratch Feed, Chick Scratch Feed, Egg Mash, Growing Mash, Starting Mash, Dairy Feed, Corn Meal, Graham Flour, and Hog and Pig Meal.
Claims use since Jan. 2, 1914, on bran, middlings, and mixed feed; since Jan. 2, 1918, on scratch feed; since Jan. 2, 1924, on chick scratch feed, egg mash, growing mash, starting mash, dairy feed, corn meal, and graham flour; and since Jan. 2, 1930, on hog and pig meal.

Ser. No. 397,075. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Sept. 3, 1937.

JELLYFAX

For Powdered Pectin Preparation for Making Jelly.
Claims use since June 10, 1937.

Ser. No. 397,293. P. A. MCDONNELL, doing business as Boston Dog Food Co., Boston, Mass. Filed Sept. 10, 1937.

PO-GO

For Dog and Cat Food.
Claims use since July 30, 1937.

Ser. No. 397,386. SOUTHERN GROCERY STORES, INC., Atlanta, Ga. Filed Sept. 13, 1937.

BIG SHOW



For Self Rising Flour.
Claims use since Aug. 2, 1937.

Ser. No. 397,414. NORTHERN JOBBING COMPANY, St. Paul, Minn. Filed Sept. 14, 1937.

Good Folks

For Canned Peaches, Canned Pineapple, Canned Cut Green Beans, Canned Peas, Canned Corn, and Canned Cut Wax Beans.
Claims use since July 30, 1937.

Ser. No. 397,424. ARTHUR SEBRA & COMPANY, Chicago, Ill. Filed Sept. 14, 1937.

CHIQUITA

Applicant is the owner of trade-mark registration No. 277,702, dated Nov. 25, 1930.
For Canned Pineapple.
Claims use since Nov. 25, 1930.

Ser. No. 397,511. JOHN MORRELL & CO., Ottumwa, Iowa. Filed Sept. 17, 1937.

pridette

For Smoked Boneless Pork Butts.
Claims use since Aug. 24, 1937.

Ser. No. 397,544. MEGOWEN-EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Sept. 18, 1937.

BY-CRACKY

For Soda Crackers.
Claims use since Aug. 27, 1937.

Ser. No. 397,547. O'BRYAN & JOHNSON, Redlands, Calif. Filed Sept. 18, 1937.

OLD RIP

For Fresh Citrus Fruits.
Claims use since Aug. 31, 1937.

Ser. No. 397,587. NEW ENGLAND PRODUCTS, INC., Evanston, Ill. Filed Sept. 20, 1937.

V-8

For Combination of Eight Vegetable Juices.
Claims use since July 17, 1937.

Ser. No. 397,613. CAMARILLO CITRUS ASS'N., Camarillo, Calif. Filed Sept. 21, 1937.

EXACT

For Fresh Citrus Fruits.
Claims use since Sept. 11, 1937.

Ser. No. 397,647. DEL VALLE KAHMAN & CO., San Francisco, Calif. Filed Sept. 22, 1937.

CARIBBEAN QUEEN

For Canned Lobster.
Claims use since Aug. 2, 1937.

Ser. No. 397,735. FOOD MACHINERY CORPORATION, San Jose, Calif. Filed Sept. 24, 1937.

WAX-DRIPE

The word "Wax" is disclaimed apart from the mark.
For Fresh Fruit—Namely, Melons.
Claims use since July 20, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 357,107. JOHN A. WATHEN DISTILLERY CO., Louisville and Lebanon, Ky. Filed Oct. 13, 1934.

Rolling Fork

For Whiskey.
Claims use since May 15, 1934.

Ser. No. 389,689. A. LYON, Los Angeles, Calif. Filed Mar. 5, 1937.



BIG SHOT

For Bourbon Whiskey.
Claims use since Jan. 16, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 389,659. PHOTO-CYLINDER CORPORATION, New York, N. Y. Filed Mar. 4, 1937.

~LINOTONE~

For Etched Printing Plates and Cylinders.
Claims use since Jan. 5, 1937.

Ser. No. 397,402. DICKSON HIGHWAY SAFETY MARKER, INC., Orlando, Fla. Filed Sept. 14, 1937.

"DICKSONIZE"

For Highway Markers.
Claims use since Apr. 15, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 16, 1937

351,909. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS, SHORTS, AND PAJAMAS. WM. HABERMAN CORPORATION, New York, N. Y., assignor to Air Conditioned Fabrics Corporation, New York, N. Y., a corporation of New York.
Filed May 25, 1935. Serial No. 365,377. PUBLISHED JULY 16, 1935. Class 39.

351,910. EMPTY CARTONS. THE INTERSTATE FOLDING BOX COMPANY, Middletown, Ohio.
Filed May 31, 1935. Serial No. 365,625. PUBLISHED AUGUST 3, 1937. Class 2.

351,911. MEN'S AND LADIES' DRESS AND STREET GLOVES MADE OF LEATHER. THE SUPERB GLOVE COMPANY, Johnstown, N. Y.
Filed August 3, 1935. Serial No. 367,977. PUBLISHED JANUARY 5, 1937. Class 39.

351,912. MOTOR LUBRICATING OILS AND LUBRICATING GREASES. OHIO RIVER REFINING AND TERMINAL COMPANY, Cincinnati, Ohio.
Filed August 9, 1935. Serial No. 368,147. PUBLISHED OCTOBER 8, 1935. Class 15.

351,913. EXTRACT FROM COCOA BEAN IN LIQUID FORM FOR FOOD PURPOSES, AND MILK HAVING INCORPORATED THEREWITH CHOCOLATE FLAVORED EXTRACT FROM COCOA BEAN. CHOICE FOODS, INC., Detroit, Mich.
Filed October 28, 1935. Serial No. 370,868. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,914. METALLIC FENCE POSTS. REPUBLIC STEEL CORPORATION, Youngstown, Ohio.
Filed December 17, 1935. Serial No. 372,748. PUBLISHED JUNE 2, 1936. Class 13.

351,915. RATE CHARTS AND PERIODICALS RELATING TO AUTOMOBILE FINANCING. AUTOMOBILE BANKING CORPORATION, Philadelphia, Pa.
Filed December 19, 1935. Serial No. 372,819. PUBLISHED SEPTEMBER 7, 1937. Class 38.

351,916. SNAP FASTENERS FOR GARMENTS, DRESSES, AND WEARING APPAREL GENERALLY. THE WILSON FASTENER COMPANY, Cleveland, Ohio.
Filed April 8, 1936. Serial No. 376,973. PUBLISHED AUGUST 17, 1937. Class 40.

351,917. BASE METAL BAKE PANS AND COOKING HOLLOW WARE. THE EDWARD KATZINGER COMPANY, Chicago, Ill.
Filed April 24, 1936. Serial No. 377,578. PUBLISHED FEBRUARY 9, 1937. Class 13.

351,918. SAFETY RAZORS. GEORGE PHILIP SCHMITT, doing business as Schmitt Laboratory Products, New York, N. Y.
Filed May 6, 1936. Serial No. 378,098. PUBLISHED SEPTEMBER 7, 1937. Class 23.

351,919. MEN'S SUITS, OVERCOATS, TOPCOATS, AND TROUSERS. STONE'S CLOTHES, INC., Canton, Ohio.
Filed May 21, 1936. Serial No. 378,718. PUBLISHED AUGUST 11, 1936. Class 39.

351,920. FRUITED DEXTROSE SUGAR USED AS A FOOD FLAVORING. ORCHARD PRODUCTS COMPANY, Chicago, Ill.
Filed May 25, 1936. Serial No. 378,852. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,921. ARTICLES OF MANUFACTURE IN THE FORM OF INDIVIDUAL LETTERS OR CHARACTERS MADE OF METAL. CHICAGO HARDWARE AND FIXTURE COMPANY, Chicago, Ill.
Filed May 28, 1936. Serial No. 378,976. PUBLISHED SEPTEMBER 7, 1937. Class 13.

351,922. SHOE LACES AND BRAIDS. PAWTUCKET STANDARD BRAID COMPANY, INC., Pawtucket, R. I.
Filed June 2, 1936. Serial No. 379,204. PUBLISHED AUGUST 24, 1937. Class 40.

351,923. RUBBERIZED HAT PROTECTORS. R. H. MACY & CO., INC., New York, N. Y.
Filed June 16, 1936. Serial No. 379,809. PUBLISHED AUGUST 17, 1937. Class 39.

351,924. MACHINES USED IN PREPARING METAL PRINTING BLOCKS. J. JORGENSEN & CO., Copenhagen, Denmark.
Filed July 2, 1936. Serial No. 380,516. PUBLISHED SEPTEMBER 7, 1937. Class 23.

351,925. LUBRICATING OIL. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed July 14, 1936. Serial No. 381,007. PUBLISHED OCTOBER 6, 1936. Class 15.

351,926. FIRECRACKERS AND FIREWORKS. LI & FUNG, doing business as Ming Hing, Canton, China.
Filed July 20, 1936. Serial No. 381,198. PUBLISHED SEPTEMBER 7, 1937. Class 9.

351,927. FIRECRACKERS AND FIREWORKS. LI & FUNG, doing business as To-Yiu, Canton, China.
Filed July 20, 1936. Serial No. 381,199. PUBLISHED SEPTEMBER 7, 1937. Class 9.

351,928. FIRECRACKERS AND FIREWORKS. LI & FUNG, doing business as To-Yiu, Canton, China.
Filed July 20, 1936. Serial No. 381,200. PUBLISHED SEPTEMBER 7, 1937. Class 9.

351,929. HOSIERY, DRESSES, COATS, BLOUSES, DRESS, NEGLIGEE, WORK, AND SPORT SHIRTS, SUITS, JACKETS, OUTER SKIRTS, GOWNS FOR OUTER WEAR, CAPS, HATS, AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND GLOVES OF LEATHER OR FABRIC OR COMBINATIONS THEREOF. FIRMA PAUL SCHÖNFELD, Chemnitz, Germany.
Filed August 19, 1936. Serial No. 382,350. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,930. CHEESE. WISCONSIN CHEESE PUBLICITY ASSOCIATION, INC., Kiel, Wis.
Filed August 24, 1936. Serial No. 382,543. PUBLISHED MAY 25, 1937. Class 46.

351,931. SECTION, COLUMN, OR CARTOON APPEARING IN A NEWSPAPER OR PERIODICAL. MAGNUS G. KETTNER, Chicago, Ill.
Filed August 31, 1936. Serial No. 382,755. PUBLISHED SEPTEMBER 7, 1937. Class 38.

351,932. OILED SILK UMBRELLAS. FOLLMER, CLOGG & CO., INC., New York, N. Y., and Lancaster, Pa.
Filed September 8, 1936. Serial No. 383,012. PUBLISHED NOVEMBER 17, 1936. Class 41.

351,933. BRAKE LINING. BENDIX PRODUCTS CORPORATION, South Bend, Ind.
Filed October 14, 1936. Serial No. 384,316. PUBLISHED SEPTEMBER 7, 1937. Class 35.

351,934. HATS, SCARFS, MITTENS, GLOVES, SHOES, OVERSHOES, AND BOOTS MADE OF LEATHER, FUR, AND KNITTED AND TEXTILE WOOL, FOR MEN, WOMEN, AND CHILDREN. FELIX TAVI, New York, N. Y.
Filed November 3, 1936. Serial No. 385,115. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,935. CITRUS FRUIT CONCENTRATE FOR USE AS A BASE TO MAKE SHERBETS. CITRUS CLUB PRODUCTS, INC., Phoenix, Ariz.
Filed November 4, 1936. Serial No. 385,132. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,936. WOMEN'S, LADIES', AND MISSES' SHOES CONSTRUCTED OF LEATHER OR FABRIC OR OF COMBINATIONS THEREOF. THE OUTLET COMPANY, Providence, R. I.
Filed November 17, 1936. Serial No. 385,638. PUBLISHED AUGUST 10, 1937. Class 39.

351,937. BEACH WEAR SUCH AS CAPES, SKIRTS, AND BATHING SUITS; SPORTSWEAR FOR MEN AND WOMEN SUCH AS HATS, BLOUSES, AND GLOVES OF LEATHER AND FABRIC; RIDING APPAREL SUCH AS BREECHES, BLOUSES, SKIRTS, AND JACKETS FOR MEN AND WOMEN; SKATING CLOTHES FOR MEN AND WOMEN SUCH AS SWEATERS, BREECHES, BLOUSES; MEN'S UNDERWEAR, DRESS SHIRTS; AND WOMEN'S AND CHILDREN'S UNDERWEAR. LIVINGSTON & LIEBERMAN, New York, N. Y.
Filed November 18, 1936. Serial No. 385,694. PUBLISHED FEBRUARY 23, 1937. Class 39.

351,938. WHISKEY. GIMBEL BROTHERS, INC., New York, N. Y.
Filed November 27, 1936. Serial No. 386,024. PUBLISHED FEBRUARY 16, 1937. Class 49.

351,939. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed December 2, 1936. Serial No. 386,223. PUBLISHED JANUARY 12, 1937. Class 49.

351,940. NEWS COLUMN APPEARING FROM TIME TO TIME IN NEWSPAPERS. RUTH B. GAULKE, Boston, Mass.
Filed December 18, 1936. Serial No. 386,890. PUBLISHED AUGUST 31, 1937. Class 38.

351,941. MOTORCYCLES. INDIAN MOTOCYCLE COMPANY, Springfield, Mass.
Filed December 19, 1936. Serial No. 386,946. PUBLISHED SEPTEMBER 7, 1937. Class 19.

351,942. LEATHER RIDING BOOTS AND RIDING SHOES FOR MEN AND WOMEN, BOYS AND GIRLS, MILITARY DRESS BOOTS, FIELD AND SERVICE BOOTS, ETC. COLT-CROMWELL CO., INC., New York, N. Y.
Filed December 22, 1936. Serial No. 387,032. PUBLISHED MARCH 30, 1937. Class 39.

351,943. WATER PUMPS, CELLAR DRAINER PUMPS, BEER PUMPS, AIR COMPRESSORS. UNIFLOW MANUFACTURING CO., Erie, Pa.
Filed January 12, 1937. Serial No. 387,715. PUBLISHED MAY 18, 1937. Class 23.

351,944. HATS AND BERETS FOR MEN, WOMEN, AND CHILDREN. AMERICAN MAYFAIR CORP., New York, N. Y.
Filed January 14, 1937. Serial No. 387,774. PUBLISHED AUGUST 24, 1937. Class 39.

351,945. WOMEN'S SHOES OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF. SHOECRAFT, INC., New York, N. Y.
Filed January 22, 1937. Serial No. 388,075. PUBLISHED MARCH 23, 1937. Class 39.

351,946. DRY PREPARATION FOR PIE CRUST, TARTS, TURNOVERS, COBBLERS, MEAT PIES, CHEESE STRAWS, PASTRIES, AND THE LIKE. PURITAN MILLS, INC., Chicago, Ill.
Filed February 10, 1937. Serial No. 388,727. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,947. SHOES MADE OF LEATHER, AND COMBINATIONS OF LEATHER AND FABRIC AND OF LEATHER, FABRIC, AND RUBBER. LUMBARD SHOE COMPANY, Auburn, Maine.
Filed February 12, 1937. Serial No. 388,844. PUBLISHED AUGUST 24, 1937. Class 39.

351,948. MEN'S SHOES FORMED OF LEATHER, FABRIC, AND COMBINATIONS OF THE SAME. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 12, 1937. Serial No. 388,852. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,949. FILMS ADAPTED FOR REPRODUCTION AND CONTAINING RECORDED IMAGES OF PICTURES AND/OR RECORDED SOUND. RKO RADIO PICTURES, INC., New York, N. Y.
Filed February 17, 1937. Serial No. 389,037. PUBLISHED SEPTEMBER 7, 1937. Class 26.

351,950. MEN'S AND WOMEN'S SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS. METATARSAL FOOT REST SHOE SHOP, New York, N. Y.
Filed February 19, 1937. Serial No. 389,142. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,951. KITCHEN AND HOUSEHOLD TOOLS AND UTENSILS—TO WIT; SPOONS, SCOOPS, CAKE TURNERS, WHIPS, MASHERS, EGG BEATERS, EGG SLICERS, ETC. THE EDWARD KATZINGER COMPANY, Chicago, Ill.
Filed February 23, 1937. Serial No. 389,255. PUBLISHED SEPTEMBER 7, 1937. Class 23.

351,952. BOYS', YOUNG MEN'S, AND MEN'S SUITS, OVERCOATS, AND TOPCOATS. WULF BROS., INC., New York, N. Y.
Filed February 23, 1937. Serial No. 389,289. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,953. EGGS, POULTRY, LIVE STOCK FEED, AND POULTRY FEED. SOLON O. RICHARDSON, III, doing business as Old Glory Farms Company, Pemberville, Ohio.
Filed February 25, 1937. Serial No. 389,377. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,954. COMBS MADE OF RUBBER, ACETATE, CELLULOSE, OR OTHER NON-INFLAMMABLE MOLDABLE COMPOUNDS. BOLTA RUBBER CO., INC., Lawrence, Mass.
Filed March 4, 1937. Serial No. 389,634. PUBLISHED AUGUST 10, 1937. Class 40.

351,955. WOMEN'S SLACKS, HATS, JERSEYS, BEACH PAJAMAS, SHORTS, (OUTER GARMENTS FOR SPORT WEAR), RIDING HABITS, HALTERS, BATHING SUITS, AND POLO SHIRTS. PETER GUSSOW, New York, N. Y.
Filed March 10, 1937. Serial No. 389,877. PUBLISHED AUGUST 31, 1937. Class 39.

351,956. SLIPS, NIGHTGOWNS, PANTIES, BRASSIÈRES, CHEMISES, PAJAMAS, NEGLIGEES, AND PETTICOATS. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Akron and Cleveland, Ohio, Denver, Colo., Los Angeles, Calif., and St. Louis, Mo.
Filed February 24, 1937. Serial No. 389,896. PUBLISHED AUGUST 10, 1937. Class 39.

351,957. WOMEN'S UNDERWEAR—NAMELY, PANTIES AND LINGERIE—NAMELY, CHEMISES, SLIPS, BED JACKETS, AND NIGHT GOWNS. ALFRED MAGELLA & BRO., New York, N. Y.
Filed March 11, 1937. Serial No. 389,926. PUBLISHED AUGUST 17, 1937. Class 39.

351,958. PILLOWS. ELBOW PILLOW PRODUCTS CO., INC., New York, N. Y.
Filed March 12, 1937. Serial No. 389,982. PUBLISHED SEPTEMBER 7, 1937. Class 32.

351,959. PRINTED AND FIGURED COTTON DRESS GOODS IN THE PIECE EXCLUSIVE OF COTTON SHEETINGS IN WHITE OR IN SOLID COLORS. WM. SIMPSON, SONS & CO., Philadelphia, Pa.
Filed March 22, 1937. Serial No. 390,384. PUBLISHED MAY 25, 1937. Class 42.

351,960. MEN'S AND BOYS' COATS, SPORT COATS, TOPCOATS, OVERCOATS, FABRIC SUITS, GOLF SUITS, SWEATERS AND SWEATER COATS, LEATHER AND FABRIC GLOVES, ETC. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed March 25, 1937. Serial No. 390,496. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,961. NAPHTHA SOLD AS A PAINT AND VARNISH SOLVENT. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,803. PUBLISHED SEPTEMBER 7, 1937. Class 16.

351,962. MEN'S AND BOYS' HEADWEAR—NAMELY, HATS AND CAPS. ST. JOSEPH HAT & CAP COMPANY, St. Joseph, Mo.
Filed April 1, 1937. Serial No. 390,809. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,963. BED SPRINGS. SAMUEL L. RUBIN, doing business as Rubin Bedding Co., Chicago, Ill.
Filed April 8, 1937. Serial No. 391,090. PUBLISHED SEPTEMBER 7, 1937. Class 32.

351,964. SUSPENDERS OR BRACES, GARTERS, BELTS, WRIST WATCH STRAPS, ARMBANDS, AND THE LIKE. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed April 13, 1937. Serial No. 391,276. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,965. CHILDREN'S DRESSES AND TOP COATS, HATS, UNDERWEAR, HOSIERY, SHOES MADE OF LEATHER AND FABRIC, GIRDLES, NEGLIGEES, LOUNGING ROBES, SWEATERS, JACKETS, SCARFS, AND BATHING SUITS. JOSEPH LOVE, INC., New York, N. Y.
Filed April 13, 1937. Serial No. 391,280. PUBLISHED AUGUST 24, 1937. Class 39.

351,966. HOUSE SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed April 16, 1937. Serial No. 391,424. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,967. SCOTCH WHISKY. MACLEAY DUFF (DISTILLERS) LIMITED, Glasgow, Scotland.
Filed April 20, 1937. Serial No. 391,581. PUBLISHED SEPTEMBER 7, 1937. Class 49.

351,968. NONALCOHOLIC FRUIT JUICES AND FRUIT JUICE PRODUCTS FOR BEVERAGE PURPOSES. BIRELEY'S, INC., Hollywood, Calif.
Filed April 21, 1937. Serial No. 391,612. PUBLISHED SEPTEMBER 7, 1937. Class 45.

351,969. MEN'S AND BOYS' OVERALLS AND JACKETS, ATHLETIC SHIRTS AND SHORTS, WORK SHIRTS, SOCKS, HANDKERCHIEFS, AND GLOVES MADE OF LEATHER OR FABRICS OR COMBINATIONS OF LEATHER AND FABRICS. BUTLER BROTHERS, Chicago, Ill.
Filed April 21, 1937. Serial No. 391,619. PUBLISHED AUGUST 10, 1937. Class 39.

351,970. TEA, SPECIFICALLY SOUTH AMERICAN TEA. DEL INCA MATE CO., Gary, Ind.
Filed April 22, 1937. Serial No. 391,689. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,971. FABRIC GLOVES. VAN RAALTE COMPANY, New York, N. Y.
Filed April 23, 1937. Serial No. 391,784. PUBLISHED AUGUST 10, 1937. Class 39.

351,972. HUMOROUS PUBLICATION ISSUED FROM TIME TO TIME. THE BOND CLUB OF NEW YORK, New York, N. Y.
Filed April 27, 1937. Serial No. 391,901. PUBLISHED SEPTEMBER 7, 1937. Class 38.

351,973. BOOTS AND SHOES MADE OF LEATHER, FABRIC, COMPOSITION, AND COMBINATIONS THEREOF. GRAY BROS., INC., Syracuse, N. Y.
Filed April 27, 1937. Serial No. 391,911. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,974. FOUNDATION GARMENTS AND GIRDLES. KOPS BROTHERS, INC., New York, N. Y.
Filed April 27, 1937. Serial No. 391,917. PUBLISHED AUGUST 24, 1937. Class 39.

351,975. PAJAMAS, NIGHTGOWNS, BEACH AND LOUNGING ROBES, AND SLACKS FOR LADIES, MISSES, AND JUNIORS. THE EASTERN ISLES IMPORTING CO., INC., New York, N. Y.
Filed April 30, 1937. Serial No. 392,091. PUBLISHED JULY 13, 1937. Class 39.

351,976. WOMEN'S AND MISSES' LOUNGING, NIGHTWEAR, AND SPORT PAJAMAS, NIGHTGOWNS, LOUNGING AND HOSTESS ROBES, DANCE SETS, ETC. HART & SONS, Los Angeles, Calif.
Filed May 3, 1937. Serial No. 392,209. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,977. GAMES—NAMELY, GAMES OF CHANCE PLAYED WITH A PERFORATED BOARD AND NUMBERED PEGS. THEODOR E. WEBER, doing business as Kan U Games Co., Detroit, Mich.
Filed May 4, 1937. Serial No. 392,302. PUBLISHED SEPTEMBER 7, 1937. Class 22.

351,978. WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, HATS, COATS, RAINCOATS, SUITS, DRESSES, LEATHER AND FABRIC GLOVES, LEATHER SLIPPERS, SCARFS, MUFFLERS, NECKTIES, AND SWEATERS. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed May 6, 1937. Serial No. 392,361. PUBLISHED AUGUST 10, 1937. Class 39.

351,979. MEN'S FELT HATS. M. S. LEVY & SONS, INC., Baltimore, Md.
Filed May 7, 1937. Serial No. 392,431. PUBLISHED AUGUST 10, 1937. Class 39.

351,980. HOSE SUPPORTERS FOR WOMEN AND CHILDREN. PRODISCON PRODUCTS, INCORPORATED, Minneapolis, Minn.
Filed May 7, 1937. Serial No. 392,451. PUBLISHED AUGUST 17, 1937. Class 39.

351,981. MEN'S AND BOYS' CLOTHING—NAMELY, COATS, VESTS, TROUSERS, OVERCOATS, AND TOP COATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed May 8, 1937. Serial No. 392,494. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,982. FRESH FROZEN FRUITS AND VEGETABLES. FROSTKRAFT PACKING CORPORATION, San Francisco, Calif.
Filed May 12, 1937. Serial No. 392,636. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,983. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, NEGLIGEES, GLOVES OF LEATHER AND FABRIC, COATS, SUITS, BLOUSES, BATHING SUITS, AND WOMEN'S AND MISSES' CORSETS AND BRASSIÈRES. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa.
Filed May 13, 1937. Serial No. 392,702. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,984. WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR, NEGLIGEES, GLOVES OF LEATHER AND FABRIC, COATS, SUITS, BLOUSES, BATHING SUITS, AND WOMEN'S AND MISSES' CORSETS AND BRASSIÈRES. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa.
Filed May 13, 1937. Serial No. 392,703. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,985. MEN'S AND LADIES' HANDKERCHIEFS. MAURICE SMOOKE, doing business as Standard Handkerchief Co., New York, N. Y.
Filed May 13, 1937. Serial No. 392,716. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,986. HATS—NAMELY, MEN'S AND BOYS' HATS OF FELT, STRAW, AND STRAW BRAID, CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed May 13, 1937. Serial No. 392,718. PUBLISHED AUGUST 10, 1937. Class 39.

351,987. GAS GENERATORS AND DISTRIBUTION UNITS THEREFOR. WILLIAM H. CHENEY, doing business as Oxytherm Company, Nashville, Tenn.
Filed May 14, 1937. Serial No. 392,744. PUBLISHED SEPTEMBER 7, 1937. Class 34.

351,988. CANNED FRUITS. MEL-WILLIAMS COMPANY, San Francisco, Calif.
Filed May 15, 1937. Serial No. 392,807. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,989. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. SPALSBURY-STEIS-DEEVERS SHOE COMPANY, Fredericktown, Mo.
Filed May 15, 1937. Serial No. 392,817. PUBLISHED AUGUST 24, 1937. Class 39.

351,990. COCOA, CHOCOLATE, CANDIES, AND PUDDING POWDER. NAAMLOOZE VENNOOTSCHAP DROSTE'S CACAO-EN CHOCOLADEFABRIEKEN, Haarlem, Netherlands.
Filed May 17, 1937. Serial No. 392,881. PUBLISHED SEPTEMBER 7, 1937. Class 46.

351,991. SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC. D. ARMSTRONG & COMPANY, INC., Rochester, N. Y.
Filed May 18, 1937. Serial No. 392,907. PUBLISHED AUGUST 10, 1937. Class 39.

351,992. CARTOONS OR COMIC STRIPS PUBLISHED IN ITS DAILY NEWSPAPER, THE SAN FRANCISCO EXAMINER. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif.
Filed May 17, 1937. Serial No. 392,949. PUBLISHED SEPTEMBER 7, 1937. Class 38.

351,993. LEATHER GLOVES, LADIES' HATS, AND LEATHER BELTS FOR OUTER WEAR. GUIBERT FRÈRES GLOVES, INC., New York, N. Y.
Filed May 19, 1937. Serial No. 392,981. PUBLISHED SEPTEMBER 7, 1937. Class 39.

351,994. EMPTY TUBULAR RECEPTACLES OR CONTAINERS INTENDED TO BE LOADED WITH CHEMICALS, ETC., AND PROJECTED FOR DISSEMINATION OF ITS CONTENTS. THE HUFFMAN CHEMICAL CORPORATION, Bedford Hills, N. Y.
Filed May 19, 1937. Serial No. 392,983. PUBLISHED SEPTEMBER 7, 1937. Class 2.

351,995. UNIT CONSISTING OF A LOADED CARRIER OR PROJECTILE INSERTED IN A SHOTGUN SHELL, FOR THE AFORESAID SHOTGUN SHELL ITSELF, AND FOR A SHOTGUN SHELL LOADED WITH POWDER, GRANULAR MATERIAL, CHEMICALS, OR PELLETS. THE HUFFMAN CHEMICAL CORPORATION, Bedford Hills, N. Y.
Filed May 19, 1937. Serial No. 392,984. PUBLISHED SEPTEMBER 7, 1937. Class 9.

351,996. WATCH CASES. I. D. WATCH CASE CO. INC., New York, N. Y.
Filed May 19, 1937. Serial No. 392,985. PUBLISHED SEPTEMBER 7, 1937. Class 27.

351,997. MINERAL WATER USED IN THE TREATMENT OF SINUS TROUBLE NOT ADMINISTERED THROUGH THE NOSE. A. S. MEYERS LABORATORIES, INC., Queens Village, N. Y.
Filed May 19, 1937. Serial No. 392,994. PUBLISHED SEPTEMBER 7, 1937. Class 6.

351,998. NECKTIES. SEA GLADE CRAVATS INC., New York, N. Y.
Filed May 19, 1937. Serial No. 393,005. PUBLISHED AUGUST 10, 1937. Class 39.

351,999. APRONS. CONTINENTAL PATENT SALES CORP., Croton Falls, N. Y.
Filed May 20, 1937. Serial No. 393,022. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,000. GIRDLES, CORSETS, CORSET BRASSIÈRES, AND COMBINATION BRASSIÈRE, CORSET, AND PANTY UNDERGARMENTS. GRACEFORM CORSET CO., INC., New York, N. Y.
Filed May 21, 1937. Serial No. 393,075. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,001. HANDKERCHIEFS. JACK SCHWARTZ, Los Angeles, Calif.
Filed May 21, 1937. Serial No. 393,088. PUBLISHED AUGUST 17, 1937. Class 39.

352,002. NECKTIES. HIPSH, INC., Kansas City, Mo.
Filed May 21, 1937. Serial No. 393,104. PUBLISHED AUGUST 17, 1937. Class 39.

352,003. GIRDLES, BRASSIÈRES, BANDEAUX, CORSETS, CORSELETS, SLIPS, UNDERVESTS, PAJAMAS, AND NIGHTGOWNS. S. BLECHMAN & SONS, INC., New York, N. Y.
Filed May 22, 1937. Serial No. 393,111. PUBLISHED AUGUST 17, 1937. Class 39.

352,004. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo.
Filed May 24, 1937. Serial No. 393,174. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,005. LADIES' DRESSES, COATS, SUITS, HATS, BLOUSES, OUTER SKIRTS, SWEATERS, BATHING SUITS, PAJAMAS, NIGHTGOWNS, SLIPS, PANTIES, BRASSIÈRES, AND CHEMISES. FELIX LILIENTHAL & CO., INC., New York, N. Y.
Filed May 24, 1937. Serial No. 393,179. PUBLISHED AUGUST 24, 1937. Class 39.

352,006. SHOE LACES. W. T. GRANT COMPANY, New York, N. Y.
Filed May 26, 1937. Serial No. 393,275. PUBLISHED AUGUST 10, 1937. Class 40.

352,007. SERIES OF CARTOONS. EDWINA DUMM, New York, N. Y.
Filed May 27, 1937. Serial No. 393,322. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,008. RIDING BREECHES, JODHPURS, AND RIDING COATS AND VESTS FOR MEN, WOMEN, AND CHILDREN. I. C. ISAACS & COMPANY, INC., Baltimore, Md.
Filed May 28, 1937. Serial No. 393,381. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,009. WOMEN'S, MISSES', AND CHILDREN'S WEARING APPAREL—NAMELY, DRESSES, TAILORED SUITS, WALKING SUITS, SPORT SUITS, SKI SUITS, BATHING SUITS, ETC. MOLANS SPECIALTY SHOPS, INC., New York, N. Y.
Filed May 29, 1937. Serial No. 393,439. PUBLISHED AUGUST 24, 1937. Class 39.

352,010. LADIES' DRESSES, OUTER SKIRTS, BLOUSES, SUITS, COATS, CAPES, APRONS, CULOTTES, UNIFORMS FOR NURSES, COOKS, MAIDS, WAITRESSES, MANICURISTS, DEMONSTRATORS, BEAUTICIANS, AND HOUSE USE; UNDERWEAR, SLIPS, PAJAMAS, NEGLIGEES, PANTIES, NIGHTGOWNS, UNDERVESTS, BLOOMERS, BRASSIÈRES, UNION-SUITS, AND HOUSE COATS. STANDARD GARMENT CO. INC., New York, N. Y.
Filed May 29, 1937. Serial No. 393,453. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,011. FUR SCARFS AND FUR COATS. A. H. SCHECHNER & SON, New York, N. Y.
Filed June 1, 1937. Serial No. 393,506. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,012. SHOELACES. MARGARET B. CULLEN, New York, N. Y.
Filed June 2, 1937. Serial No. 393,529. PUBLISHED SEPTEMBER 7, 1937. Class 40.

352,013. BLADES AND ARMS FOR WINDSHIELD WIPERS. THE ANDERSON COMPANY, Gary, Ind.
Filed June 3, 1937. Serial No. 393,567. PUBLISHED SEPTEMBER 7, 1937. Class 19.

352,014. WELTING FOR BOOTS AND SHOES. BARBOUR WELTING COMPANY, Brockton, Mass.
Filed June 3, 1937. Serial No. 393,571. PUBLISHED AUGUST 10, 1937. Class 39.

352,015. ENAMELED BASE METAL HOLLOW WARE, FLAT WARE, SEMI-FLAT WARE, AND SHALLOW WARE, ETC. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed June 3, 1937. Serial No. 393,586. PUBLISHED SEPTEMBER 7, 1937. Class 13.

352,016. LADIES' PAJAMAS, LOUNGING ROBES, HOUSE COATS, SHIRT-WAISTS, BLOUSES, AND UNDERWEAR. THE LOYAL SHIRT CO., INC., New York, N. Y.
Filed June 3, 1937. Serial No. 393,606. PUBLISHED AUGUST 10, 1937. Class 39.

352,017. SHOES MADE WHOLLY OR PARTLY OF LEATHER AND OF FABRICS. R. H. STEARNS COMPANY, Boston, Mass.
Filed June 3, 1937. Serial No. 393,621. PUBLISHED AUGUST 24, 1937. Class 39.

352,018. COMBS, HAIRPINS, BARRETTES, HAIR BANDEAUX, AND HAIR ORNAMENTS MADE OF COMPOSITION PLASTIC MATERIAL. FOSTER GRANT CO. INC., Leominster, Mass.
Filed June 4, 1937. Serial No. 393,646. PUBLISHED AUGUST 10, 1937. Class 40.

352,019. WINES. AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y.
Filed June 5, 1937. Serial No. 393,687. PUBLISHED SEPTEMBER 7, 1937. Class 47.

352,020. WINES. VAL ANTUONO DISTRIBUTING COMPANY, INC., Tampa, Fla.
Filed June 5, 1937. Serial No. 393,741. PUBLISHED SEPTEMBER 7, 1937. Class 47.

352,021. GABARDINE GARMENTS FOR MEN, WOMEN, BOYS, AND GIRLS, VIZ., COATS, SKI JACKETS AND SKI HOODS, RIDING BREECHES, HUNTING COATS AND HUNTING PANTS, TRAPPING AND SHOOTING COATS, CAPS, AND HATS, GOLF JACKETS, WADING COATS, AND SPORT COATS OF ALL KINDS. THE ALLIGATOR COMPANY, St. Louis, Mo.
Filed June 7, 1937. Serial No. 393,747. PUBLISHED AUGUST 10, 1937. Class 39.

352,022. CULTIVATORS, PLOWS. KING PLOW COMPANY, Atlanta, Ga.
Filed June 7, 1937. Serial No. 393,767. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,023. TRAPS FOR PLUMBING, SINK, LAVATORY, AND WASH TRAY CONNECTIONS, WASTES, AND OVERFLOWS, SUPPLIES, WASTES, AND SHOWERS FOR CONCEALED WORK, ETC. WOLVERINE BRASS WORKS, Grand Rapids, Mich.
Filed June 8, 1937. Serial No. 393,827. PUBLISHED SEPTEMBER 7, 1937. Class 13.

352,024. WOMEN'S NIGHTGOWNS, PAJAMAS, SLIPS, PANTIES, VESTS, BANDEAUX, AND CHEMISES. BROWN DURRELL CO., New York, N. Y., and Boston, Mass.
Filed June 9, 1937. Serial No. 393,842. PUBLISHED AUGUST 10, 1937. Class 39.

352,025. CORSETS. MASTERCRAFT SPECIALTIES, INC., New York, N. Y.
Filed June 9, 1937. Serial No. 393,861. PUBLISHED AUGUST 17, 1937. Class 39.

352,026. SCREW ANCHORS. THE RAWLPLUG COMPANY, INC., New York, N. Y.
Filed June 9, 1937. Serial No. 393,873. PUBLISHED SEPTEMBER 7, 1937. Class 13.

352,027. CHILDREN'S DRESSES, PLAYSUITS, AND BONNETS. WEE TOG MANUFACTURING COMPANY, Philadelphia, Pa., and New York, N. Y.
Filed June 9, 1937. Serial No. 393,882. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,028. MUSIC BOOKS PUBLISHED FROM TIME TO TIME. AMSCO MUSIC SALES CO. INC., New York, N. Y.
Filed June 10, 1937. Serial No. 393,890. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,029. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.
Filed June 11, 1937. Serial No. 393,952. PUBLISHED SEPTEMBER 7, 1937. Class 15.

352,030. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.
Filed June 11, 1937. Serial No. 393,953. PUBLISHED SEPTEMBER 7, 1937. Class 15.

352,031. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.
Filed June 11, 1937. Serial No. 393,955. PUBLISHED AUGUST 31, 1937. Class 15.

352,032. PETROLEUM PRODUCTS—NAMELY, LUBRICATING OILS AND GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans, La.
Filed June 11, 1937. Serial No. 393,956. PUBLISHED SEPTEMBER 7, 1937. Class 15.

352,033. UNDERWEAR. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed June 11, 1937. Serial No. 393,966. PUBLISHED AUGUST 17, 1937. Class 39.

352,034. PECTOUS PRODUCT USED FOR STABILIZING THE CONSISTENCY OF FROZEN CONFECTIONS. NATIONAL PECTIN PRODUCTS COMPANY, Chicago, Ill.
Filed June 12, 1937. Serial No. 393,997. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,035. NEWSPAPER COLUMN. H. L. K. ROGERS, Los Angeles, Calif.
Filed June 14, 1937. Serial No. 394,055. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,036. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSSELSON BROS., INC., Ashland, Ky.
Filed June 15, 1937. Serial No. 394,087. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,037. UPHOLSTERY AND DRAPERY FABRICS OF COTTON, SILK, RAYON, OR WOOL IN THE PIECE, AND TEXTILE RUGS. F. SCHUMACHER & CO., New York, N. Y.
Filed June 15, 1937. Serial No. 394,100. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,038. SANDALS FORMED OF WOOD SOLES AND CANVAS STRAPS. LOVELL MANUFACTURING COMPANY, Erie, Pa.
Filed June 16, 1937. Serial No. 394,138. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,039. LEATHER OR FABRIC, OR A COMBINATION OF LEATHER AND FABRIC BOOTS AND SHOES. THE STETSON SHOE COMPANY, INC., Weymouth, Mass.
Filed June 16, 1937. Serial No. 394,149. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,040. COOKIES. BERRY BISCUIT CORPORATION, Linden, N. J.
Filed June 17, 1937. Serial No. 394,159. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,041. SPAGHETTI SAUCE, RICE AND TOMATOES, MUSHROOM SAUCE, MINESTRONE SOUP, TOMATO SAUCE, SPAGHETTI WITH TOMATO SAUCE, RAVIOLI WITH TOMATO SAUCE, AND TOMATO PASTE. GORMAN'S INC., Jersey City, N. J.
Filed June 17, 1937. Serial No. 394,170. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,042. COTTON, RAYON, WOOL, AND SILK HOSIERY, KNITTED AND WOVEN UNDERWEAR, KNITTED OUTERWEAR, THAT IS TO SAY, COTTON, WOOLEN, OR RAYON COAT-SWEATERS, PULLOVER SWEATERS, AND POLO SHIRTS, ALSO KNITTED HEAD WEAR—NAMELY, TOQUES AND HOCKEY CAPS—MACKINAWS, SPORT JACKETS, LEATHER COATS, AND PAJAMAS, DRESS SHIRTS, NECKTIES, SCARFS, HANDKERCHIEFS, TROUSERS, SUSPENDERS, AND APPAREL BELTS. OGDEN-UTAH KNITTING COMPANY, Ogden, Utah.
Filed June 17, 1937. Serial No. 394,184. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,043. HAT BODIES AND HAT HOODS MADE OF WOOL FELT FOR THE USE OF WOMEN AND/OR CHILDREN. ARMAND SCHWAB & CO., INC., New York, N. Y.
Filed June 18, 1937. Serial No. 394,214. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,044. SHOES MADE OF LEATHER AND OF LEATHER AND FABRIC COMBINATIONS. SAMUEL BERNSTEIN, New York, N. Y.
Filed June 18, 1937. Serial No. 394,219. PUBLISHED AUGUST 17, 1937. Class 39.

352,045. FUEL OILS AND LUBRICATING OILS AND GREASES. HICKOK OIL CORPORATION, Toledo, Ohio.
Filed June 18, 1937. Serial No. 394,230. PUBLISHED SEPTEMBER 7, 1937. Class 15.

352,046. FUEL OILS AND LUBRICATING OILS AND GREASES. HICKOK OIL CORPORATION, Toledo, Ohio.
Filed June 18, 1937. Serial No. 394,231. PUBLISHED SEPTEMBER 7, 1937. Class 15.

352,047. GREETING CARDS. NORCROSS, New York, N. Y.
Filed June 18, 1937. Serial No. 394,245. PUBLISHED AUGUST 31, 1937. Class 38.

352,048. PIECE GOODS OF KNITTED RAYONS, WARP KNIT SILKS AND RAYON, AND WOVEN SILK, RAYON AND COTTON, AND COMBINATIONS THEREOF. CONTINENTAL UNDERGARMENT CO., INC., Brooklyn, N. Y.
Filed June 21, 1937. Serial No. 394,323. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,049. SYNDICATED ADVERTISING MATERIAL ISSUED PERIODICALLY AND SOLD TO THE TRADE AS SUCH. HOUSE OF THE MONTH SERVICE, Chicago, Ill., assignor to Willard Walker, Chicago, Ill.
Filed June 21, 1937. Serial No. 394,330. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,050. MEN'S AND BOYS' NECKTIES. ARTHUR M. SILBERBERG, New York, N. Y.
Filed June 21, 1937. Serial No. 394,353. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,051. OLIVE OIL. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 21, 1937. Serial No. 394,360. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,052. MEN'S KNIT AND WOVEN UNDERWEAR, MEN'S KNIT AND WOVEN POLO SHIRTS, MEN'S DRESS SHIRTS, MEN'S HOSIERY. HARRY E. SHILL, New York, N. Y.
Filed June 22, 1937. Serial No. 394,390. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,053. COLUMN OR PAGE IN MAGAZINES AND PERIODICALS. MACFADDEN PUBLICATIONS, INC., New York, N. Y.
Filed June 23, 1937. Serial No. 394,418. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,054. GUMMED CLOTH TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed June 23, 1937. Serial No. 394,419. PUBLISHED SEPTEMBER 7, 1937. Class 5.

352,055. WOMEN'S UNDERGARMENTS OF THE NATURE OF GIRDLES OR FOUNDATIONS. THE STROUSE, ADLER COMPANY, New Haven, Conn.
Filed June 23, 1937. Serial No. 394,437. PUBLISHED AUGUST 24, 1937. Class 39.

352,056. MEN'S AND BOYS' AND WOMEN'S AND CHILDREN'S OUTER JACKETS. WESTERN LEATHER CLOTHING COMPANY, St. Louis, Mo.
Filed June 23, 1937. Serial No. 394,442. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,057. THREADS, YARNS, AND NOVELTY YARNS COMPOSED OF WORSTED, WOOL, COTTON, SILK, RAYON, OR A COMBINATION OF SUCH TEXTURES. THE NATIONAL SILK CO., INC., South Coventry, Conn.
Filed June 24, 1937. Serial No. 394,467. PUBLISHED AUGUST 24, 1937. Class 43.

352,058. CORSETS. FRANCO CORSET COMPANY, New York, N. Y.
Filed June 25, 1937. Serial No. 394,483. PUBLISHED AUGUST 24, 1937. Class 39.

352,059. SHOES MADE OF LEATHER, AND LEATHER AND FABRIC COMBINATIONS. THE MILLER SHOE COMPANY, Cincinnati, Ohio.
Filed June 25, 1937. Serial No. 394,500. PUBLISHED AUGUST 24, 1937. Class 39.

352,060. NEWSPAPER SECTION OR COLUMN. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed June 25, 1937. Serial No. 394,507. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,061. PERIODICAL. GEO. C. BRAUN, Chicago, Ill.
Filed June 26, 1937. Serial No. 394,529. PUBLISHED SEPTEMBER 7, 1937. Class 38.

352,062. CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED FISH, CATSUP, PICKLES, PEANUT BUTTER, VINEGAR, FRUIT PRESERVES, APPLE BUTTER, MAYONNAISE, COFFEE. HANNA & SMITH, INC., Baltimore, Md.
Filed June 26, 1937. Serial No. 394,536. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,063. SILK, SATIN, AND RAYON PIECE GOODS. SOLOMON & BIRNBAUM INC., New York, N. Y.
Filed June 26, 1937. Serial No. 394,560. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,064. MANILA ROPE. WALL ROPE WORKS, INC., Beverly, N. J., and New York, N. Y.
Filed June 26, 1937. Serial No. 394,565. PUBLISHED SEPTEMBER 7, 1937. Class 7.

352,065. LAUNDRY WASHING MACHINES AND IRONING MACHINES. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed June 28, 1937. Serial No. 394,594. PUBLISHED SEPTEMBER 7, 1937. Class 24.

352,066. WHISKEY. GALLAGHER & BURTON, INC., Philadelphia, Pa.
Filed June 28, 1937. Serial No. 394,597. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,067. SPORT SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS OF THESE MATERIALS. FREDERICK LOESER & CO., INC., Brooklyn, N. Y.
Filed Jnne 28, 1937. Serial No. 394,621. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,068. NON-ALCOHOLIC, MALTLESS BEVERAGE AS SUCH AND FOR USE IN MAKING MIXED DRINKS. THE PORTO RICO PALE DRY CO., Philadelphia, Pa.
Filed June 28, 1937. Serial No. 394,632. PUBLISHED SEPTEMBER 7, 1937. Class 45.

352,069. CANNED FISH FOOD CAKES. JOSEPH K. SCHWARTZ, doing business as Fishburger Food Products Co., Chicago, Ill.
Filed June 28, 1937. Serial No. 394,639. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,070. CANNED SARDINES. A/S EINAR HAUSVIK & Co., Bergen, Norway.
Filed June 29, 1937. Serial No. 394,656. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,071. PIECE GOODS OF SILK, COTTON, RAYON, AND SYNTHETIC YARN, AND MIXTURES THEREOF. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed June 29, 1937. Serial No. 394,657. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,072. WOMEN'S AND MISSES' FOUNDATION GARMENTS—NAMELY, GIRDLES, PANTIE GIRDLES, AND COMPLETES OR ALL-IN-ONES. THE WILLIAM CARTER COMPANY, Needham Heights, Mass.
Filed July 1, 1937. Serial No. 394,744. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,073. PIECE GOODS IN THE FORM OF SILK FABRICS. RAMON-ROBERT INC., New York, N. Y.
Filed July 1, 1937. Serial No. 394,775. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,074. BOOTS AND SHOES OF LEATHER AND COMBINATIONS OF LEATHER, FABRIC, AND RUBBER. KREIDER-CREVELING SHOE CO., Boston, Mass.
Filed July 2, 1937. Serial No. 394,792. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,075. WOMEN'S SWEATERS. JENATH KNITWEAR, INC., Brooklyn, N. Y.
Filed July 3, 1937. Serial No. 394,840. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,076. CHERRY FLAVORED SYRUPS USED IN SOFT DRINKS. ANDREW N. ALEXANDER, New York, N. Y.
Filed July 7, 1937. Serial No. 394,961. PUBLISHED SEPTEMBER 7, 1937. Class 45.

352,077. GINGER ALE AND SOFT DRINKS IN GENERAL. DOYLE G. CARPENTER, Oklahoma City, Okla.
Filed July 8, 1937. Serial No. 394,976. PUBLISHED SEPTEMBER 7, 1937. Class 45.

352,078. MEN'S AND BOYS' DRESS, POLO, AND NEGLIGEE SHIRTS, UNDERSHORTS, HATS, CAPS, NECKTIES, HOSIERY, SWEATERS, SUITS, COATS, AND LEATHER GLOVES. BROWN-MCDONALD CO., Hastings, Nebr.
Filed July 9, 1937. Serial No. 395,013. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,079. WOMEN'S AND MISSES' COATS AND SUITS. MICHEL, INC., Chicago, Ill.
Filed July 9, 1937. Serial No. 395,014; PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,080. FRESH CITRUS FRUITS. O'BRYAN AND JOHNSON, Redlands, Calif.
Filed July 10, 1937. Serial No. 395,079. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,081. RAYON PIECE GOODS. L. BAMBERGER & CO., Newark, N. J.
Filed July 12, 1937. Serial No. 395,117. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,082. RAYON PIECE GOODS. L. BAMBERGER & CO., Newark, N. J.
Filed July 12, 1937. Serial No. 395,118. PUBLISHED SEPTEMBER 7, 1937. Class 42.

352,083. MEN'S DRESS SHIRTS. BUTLER BROTHERS, Chicago, Ill.
Filed July 12, 1937. Serial No. 395,122. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,084. SCISSORS AND SHEARS. DR. CORTEZ R. HALL, doing business as Sum Products Company, Detroit, Mich.
Filed July 14, 1937. Serial No. 395,193. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,085. CANNED FRUITS, CANNED VEGETABLES. PACIFIC PACKING COMPANY, Oakdale, Calif.
Filed July 14, 1937. Serial No. 395,201. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,086. PISTONS FOR INTERNAL COMBUSTION MOTORS. THE TOLEDO STEEL PRODUCTS COMPANY, Toledo, Ohio.
Filed July 14, 1937. Serial No. 395,206. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,087. KNIVES. CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif.
Filed July 15, 1937. Serial No. 395,217. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,088. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed July 15, 1937. Serial No. 395,219. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,089. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed July 15, 1937. Serial No. 395,221. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,090. ELEVATORS AND PARTS THEREOF. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 15, 1937. Serial No. 395,238. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,091. PRINTING INKS. AULT & WIBORG CORPORATION, Cincinnati, Ohio, and New York, N. Y.
Filed July 16, 1937. Serial No. 395,260. PUBLISHED SEPTEMBER 7, 1937. Class 11.

352,092. PISTON RINGS. BURD PISTON RING COMPANY, Rockford, Ill.
Filed July 16, 1937. Serial No. 395,272. PUBLISHED SEPTEMBER 7, 1937. Class 35.

352,093. WHISKEY. KROGMAN DISTILLING CO., INC., Tell City, Ind.
Filed July 16, 1937. Serial No. 395,302. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,094. SLOE GIN, ROCK AND RYE, KUMMEL, PEPPERMINT CORDIAL, APPLE LIQUEUR, APRICOT LIQUEUR, BLACKBERRY LIQUEUR, PEACH LIQUEUR, AND CHERRY LIQUEUR. MAR-SALLE CHICAGO COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,306. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,095. MEN'S SUITS. SPEAR & COMPANY, Pittsburgh, Pa.
Filed July 16, 1937. Serial No. 395,320. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,096. MECHANICAL RAZOR BLADE STROPS. MASTERSTROP CORPORATION, Philadelphia, Pa.
Filed July 17, 1937. Serial No. 395,349. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,097. FRESH CITRUS FRUIT. PLACENTIA MUTUAL ORANGE ASSOCIATION, Placentia, Calif.
Filed July 17, 1937. Serial No. 395,353. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,098. FRESH TOMATOES. ROSA PHILLIPS, doing business as R. Phillips Co., Nogales, Ariz.
Filed July 19, 1937. Serial No. 395,381. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,099. PREPARED AND PREWRAPPED CANDY BARS. ALLEN LEIBER, Chicago, Ill.
Filed July 19, 1937. Serial No. 395,421. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,100. CARBON PAPER AND TYPEWRITER RIBBONS. PHILLIPS PROCESS CO. INC., Rochester, N. Y.
Filed July 19, 1937. Serial No. 395,431. PUBLISHED SEPTEMBER 7, 1937. Class 11.

352,101. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, SUITS, AND COATS, AND MEN'S AND BOYS' COATS AND SUITS. BAGEDONOW BROS. INC., New York, N. Y.
Filed July 20, 1937. Serial No. 395,442. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,102. KUMMEL LIQUEUR. LES HERITIERS DE MARIE BRIZARD & ROGER, ACHARD, GLOTION & CIE., Bordeaux, France.
Filed July 20, 1937. Serial No. 395,452. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,103. LAGER-BEER. SYRACUSE BREWERY, INC., Syracuse, N. Y.
Filed July 21, 1937. Serial No. 395,495. PUBLISHED SEPTEMBER 7, 1937. Class 48.

352,104. PAINT PIGMENTS. KREBS PIGMENT & COLOR CORPORATION, Wilmington, Del.
Filed July 22, 1937. Serial No. 395,531. PUBLISHED SEPTEMBER 7, 1937. Class 16.

352,105. BEER AND ALE. THE WILLIAM PETER BREWING CORPORATION, Union City, N. J.
Filed July 23, 1937. Serial No. 395,592. PUBLISHED SEPTEMBER 7, 1937. Class 48.

352,106. HOBBY HORSES. MARLOWE EQUIPMENT INC., New York, N. Y.
Filed July 26, 1937. Serial No. 395,646. PUBLISHED SEPTEMBER 7, 1937. Class 22.

352,107. LIQUID COMPOUNDS OR MIXTURES OF COMPOUNDS USED PRINCIPALLY AS AN ANTI-OXIDANT OR ANTI-SKINNER, IN THE PAINT, LACQUER, AND VARNISH INDUSTRY. HEYDEN CHEMICAL CORPORATION, New York, N. Y.
Filed July 27, 1937. Serial No. 395,665. PUBLISHED SEPTEMBER 7, 1937. Class 16.

352,108. WHITE LEAD, OXIDS OF LEAD, WHITE ZINC, PIGMENT COLORS, COLORED PAINTS, AND LINSEED OIL. JOHN T. LEWIS & BROS. COMPANY, Philadelphia, Pa.
Filed July 27, 1937. Serial No. 395,675. PUBLISHED SEPTEMBER 7, 1937. Class 16.

352,109. PIG LEAD, BLOCK TIN, INGOT LEAD, BAR LEAD, BAR TIN. JOHN T. LEWIS & BROS. COMPANY, Philadelphia, Pa.
Filed July 27, 1937. Serial No. 395,676. PUBLISHED SEPTEMBER 7, 1937. Class 14.

352,110. PIG LEAD, BLOCK TIN, INGOT LEAD, BAR LEAD, BAR TIN. JOHN T. LEWIS & BROS. COMPANY, Philadelphia, Pa.
Filed July 27, 1937. Serial No. 395,677. PUBLISHED SEPTEMBER 7, 1937. Class 14.

352,111. SOLDER AND ANTI-FRICTION METAL ALLOYS, SUCH AS BABBITT. JOHN T. LEWIS & BROS. COMPANY, Philadelphia, Pa.
Filed July 27, 1937. Serial No. 395,678. PUBLISHED SEPTEMBER 7, 1937. Class 14.

352,112. COIN CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed July 29, 1937. Serial No. 395,752. PUBLISHED SEPTEMBER 7, 1937. Class 22.

352,113. COIN-CONTROLLED AMUSEMENT APPARATUS. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill.
Filed July 29, 1937. Serial No. 395,753. PUBLISHED SEPTEMBER 7, 1937. Class 22.

352,114. WHISKEY, APRICOT LIQUEUR, BLACKBERRY LIQUEUR, CHERRY LIQUEUR, PEACH LIQUEUR, ROCK AND RYE LIQUEUR, GERMAN TYPE KUMMEL, AND SLOE GIN. KINGS INTERNATIONAL, INCORPORATED, Chicago, Ill.
Filed July 31, 1937. Serial No. 395,870. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,115. GAME SIMILAR TO QUOITS. O-RINGO, INC., Newark, N. J.
Filed July 31, 1937. Serial No. 395,878. PUBLISHED SEPTEMBER 7, 1937. Class 22.

352,116. BRANDY. L. J. CALLANAN & Co., INC., New York, N. Y.
Filed August 2, 1937. Serial No. 395,899. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,117. COMPACT CASES OF BASE METAL OR COMPOSITION. EVANS CASE COMPANY, North Attleboro, Mass.
Filed August 2, 1937. Serial No. 395,909. PUBLISHED SEPTEMBER 7, 1937. Class 2.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

352,118. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNEST E. FISHER, New York, N. Y., assignor to National Maté Corporation, New York, N. Y., a corporation of New York. Filed Apr. 18, 1934. Serial No. 350,135.

E. FISHER'S FAMOUS MATE-BREAD

For Bread.
Claims use since Apr. 14, 1934.

352,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRASMANN-LADERACH COMPANY, Bay City, Mich. Filed May 8, 1935. Serial No. 364,669.

IODIZED PEANUT BUTTER

GRASMANN-LADERACH CO.

For Peanut Butter.
Claims use since Apr. 29, 1935.

352,120. (CLASS 15. OILS AND GREASES.) FISCHER'S SURFA-SAVER, INC., Cincinnati, Ohio. Filed Mar. 3, 1936. Serial No. 375,501.

Plate=Cote

For a Combination of Vegetable Oils and Kerosene Adapted To Be Sprayed on Articles to Prevent Rust.
Claims use since Sept. 28, 1935.

352,121. (CLASS 31. FILTERS AND REFRIGERATORS.) EARNEST J. KRAUSE, doing business as Radiobar Company of America, Los Angeles, Calif. Filed Sept. 9, 1936. Serial No. 383,063.

Frigidbar

For Combined Refrigerator and Beverage Dispensing Cabinets.
Claims use since Sept. 1, 1936.

352,122. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass. Filed Oct. 3, 1936. Serial No. 383,944.

LUNT

For Knives, Forks, Spoons, Tongs, Ladles, Sifters, Pins, Buckles, Brooches, Napkin Rings, Napkin Markers, Salt and Pepper Shakers, Muffineers, Tea-Balls, Tea-Strainers, Bags, Cups, Cases, Chests, and Book-Marks, All of the Foregoing Articles Being Sterling Silver, and the Following Goods Having Sterling-Silver Mountings: Buttons, Chains, Ring Bowls, Pitchers, Candlesticks, Dishes, Pots, Platters, Servers, Vases, Trays, Boxes, Bottles, Mugs, Coasters, Brushes, Combs, Hand Mirrors, Nail-Files, Scissors, Shoe-Horns, Button-Hooks, Buffers, Jars, Bottle-Openers, Corkscrews, Baby Rattles and Whistles, Bells, Cushions, Purses, and Lockets.
Claims use since Sept. 3, 1936.

352,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHMOND-CHASE COMPANY, San Jose, Calif. Filed Oct. 5, 1936. Serial No. 384,012.

FRUTI-DRINKS

For Tomato Juice.
Claims use since Aug. 22, 1936.

352,124. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DEVOE & RAYNOLDS COMPANY, INC., New York, N. Y. Filed Dec. 4, 1936. Serial No. 386,305.

TUNGOLEUM

For Varnish for Wood and Linoleum Floors.
Claims use since Sept. 1, 1936.

352,125. (CLASS 37. PAPER AND STATIONERY.) THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Jan. 7, 1937. Serial No. 387,567.

DIONNE

For Facial Tissues.
Claims use since Sept. 30, 1936.

352,126. (CLASS 2. RECEPTACLES.) ELMER R. KRUEGER, doing business as Paper Art Products, Indianapolis, Ind. Filed Feb. 5, 1937. Serial No. 388,577.

PAPER-CHINA

For Paper Plates, Cups, and Saucers.
Claims use since Feb. 1, 1933.

352,127. (CLASS 39. CLOTHING.) A. SCHRETER & SONS CO., INC., Baltimore, Md. Filed Feb. 24, 1937. Serial No. 389,332.

Deauville TAILORED ELASTIC STRETCH CONSTRUCTION

For Neckties.
Claims use since July, 1933.

352,128. (CLASS 39. CLOTHING.) HARRY FISCHER & COMPANY, Philadelphia, Pa. Filed Feb. 26, 1937. Serial No. 389,413.

Burleigh

For Children's and Men's and Women's Suits, Coats, and Overcoats.
Claims use since March, 1920.

352,129. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. C. BECKEN CO., Chicago, Ill. Filed Feb. 27, 1937. Serial No. 389,448.

HEYWORTH

For Watches.
Claims use since Oct. 1, 1936.

352,130. (CLASS 39. CLOTHING.) JAY LORD HATTERS, New York, N. Y. Filed May 26, 1937. Serial No. 393,279.

Jay Lord

For Men's Hats.
Claims use since Feb. 10, 1935.

352,131. (CLASS 31. FILTERS AND REFRIGERATORS.) BERKEFELD FILTERS & WATER SOFTENERS LIMITED, Tonbridge, England. Filed June 3, 1937. Serial No. 393,572.

BROWNLOW

For Water Filters.
Claims use since Dec. 31, 1903.

352,132. (CLASS 15. OILS AND GREASES.) THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed June 15, 1937. Serial No. 394,077.

DOVER PENN

For Lubricating Oils and Greases.
Claims use since Feb. 2, 1933.

352,133. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE DAYTON LABORATORIES, INCORPORATED, Dayton, Ohio. Filed July 20, 1937. Serial No. 395,445.

Sphygmoklamp

For Blood Pressure Indicating Devices.
Claims use since July 28, 1936.

352,134. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PHELPS DODGE COPPER PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 24, 1937. Serial No. 396,905.

FREECUT

For Brass Rods.
Claims use since Jan. 21, 1936.

352,135. (CLASS 45. BEVERAGES, NONALCOHOLIC.) STEPHEN JANIK, Niagara Falls, N. Y. Filed Sept. 4, 1937. Serial No. 397,121.

RYAN DRY

For Non-alcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since Aug. 1, 1936.

TRADE-MARK REGISTRATIONS RENEWED

118,487. A MONTHLY PUBLICATION. Registered September 18, 1917. BAERS'. Renewed September 18, 1937, to Edwin I. Baer, doing business as Baers', Canton, Ohio, successor.

118,640. RUBBER-COVERED ELECTRICAL WIRES AND CABLES. Registered September 25, 1917. THE ELECTRIC CABLE CO., Bridgeport, Conn. Renewed September 25, 1937, to Habirshaw Cable and Wire Corporation, New York, N. Y., a corporation of New York, assignee.

119,256. FRESH RHUBARB, ASPARAGUS, AND CANTALOUPS. Registered November 13, 1917. CALIFORNIA VEGETABLE UNION. Renewed November 13, 1937, to Jones & Kavanaugh Co., Ltd., Los Angeles, Calif., a corporation of California, successor.

119,315. COTTON PIECE GOODS IN THE GRAY. Registered November 13, 1917. HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y. Renewed November 13, 1937, to Sanford Cotton Mills, Sanford, N. C., a corporation of North Carolina, assignee.

120,301. PREPARED CHALK AND WHITING FOR MEDICINAL PURPOSES. Registered January 29, 1918. THE THOMAS MANUFACTURING CO., Baltimore, Md., a corporation of Maryland. Renewed January 29, 1938.

120,507. CIRCULATING SYSTEMS, STEAM AND HOT-WATER BOILERS, AND HEATERS. Registered February 12, 1918. THE LONG-LANDRETH-SCHNEIDER COMPANY, New Brunswick, N. J. Renewed February 12, 1938, to United American Bosch Corporation, Springfield, Mass., a corporation of New York, assignee by mesne assignments.

121,044. A DAILY NEWSPAPER. Registered April 2, 1918. THE CHRONICLE PUBLISHING COMPANY, San Francisco, Calif., a corporation of Nevada. Renewed April 2, 1938.

121,187. CERTAIN NAMED RECEPTACLES. Registered April 16, 1918. KEINER WILLIAMS STAMPING CO., New York and Richmond Hill, N. Y. Renewed April 16, 1938, to Keiner Williams Stamping Co., Richmond Hill, N. Y., a corporation of New York.

LABELS

REGISTERED NOVEMBER 16, 1937

50,361.—*Title:* MONOGRAM. For Blended Whiskey. THE AMERICAN DISTILLING COMPANY, Baltimore, Md., and Pekin, Ill. Published September 21, 1937.

50,362.—*Title:* THIS HAIR NET IS MADE BY HAND OF FINE QUALITY RE-STERILIZED HUMAN HAIR, WHICH MATCHES HAIR SO PERFECTLY THAT IT IS NOT PERCEPTIBLE TO THE EYE. For Hair Nets. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Published December 1, 1936.

50,363.—*Title:* THE PERFECT HUMAN HAIR NET. For Hair Nets. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Published December 1, 1936.

50,364.—*Title:* TOURIST HAIR NET. For Hair Nets. G. H. S. CORP., New York, N. Y. Published December 31, 1936.

50,365.—*Title:* GILBERT ELECTRIC EYE. For Electric Eye Sets. THE A. C. GILBERT COMPANY, New Haven, Conn. Published August 26, 1937.

50,366.—*Title:* EARLES BEAUTIFUL SHOES. For Boxes. HOAGUE-SPRAGUE CORPORATION, Lynn, Mass. Published February 18, 1937.

50,367.—*Title:* FORMOSA OOLONG TEA—MANNINGS CHOICE OOLONG TEA. For Tea. MANNINGS, INC., San Francisco, Calif. Published September 14, 1937.

50,368.—*Title:* CHINA GUNPOWDER TEA—MANNINGS CHINA GREEN TEA. For Tea. MANNINGS, INC., San Francisco., Calif. Published September 14, 1937.

50,369.—*Title:* ENGLISH BREAKFAST TEA—MANNINGS CHINA BLACK TEA. For Tea. MANNINGS, INC., San Francisco, Calif. Published September 14, 1937.

50,370.—*Title:* HI HO. For Canned Peas. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Published July 26, 1937.

50,371.—*Title:* CHEERIO THE PERSONAL KUP. For Hot and Cold Drinks. MONO SERVICE CO., Newark, N. J. Published July 1, 1937.

50,372.—*Title:* PESTEND. For Roach Paste. PESTEND PRODUCTS CO., New York, N. Y. Published July 12, 1937.

50,373.—*Title:* CREAMERY BUTTER. For Butter. POLLOCK PAPER & BOX COMPANY, Dallas, Tex. Published October 4, 1937.

50,374.—*Title:* HAPPY HOME BRAND. For Tubs and Pails. TENNISON BROTHERS, INC., Memphis, Tenn. Published October 6, 1937.

50,375.—*Title:* KORRECTED-KURVE KRYPTOK. For Spectacles. TIDEWATER OPTICAL CO., INC., Norfolk, Va. Published August 15, 1937.

50,376.—*Title:* "X" PIPECUT OIL. For a Pipe Thread Cutting Oil. "X" LABORATORIES, INC., New York, N. Y. Published June 5, 1937.

50,377.—*Title:* "X" PIPEJOIN SEALS. For a Pipe Sealing and Joining Compound. "X" LABORATORIES, INC., New York, N. Y. Published June 5, 1937.

PRINTS

REGISTERED NOVEMBER 16, 1937

16,571.—*Title:* EAT CANDY FOR FUN. For Candy. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published October 15, 1937.

16,572.—*Title:* .34¢ EACH FOR MY CANDY SHANTY. For Candy. AWFUL FRESH MACFARLANE, Oakland and San Francisco, Calif. Published October 15, 1937.

16,573.—*Title:* THE TRUE STORY OF BIGELOW RUGS & CARPETS. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published October 5, 1937.

16,574.—*Title:* GO, TEAM GO! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 15, 1937.

16,575.—*Title:* A BREAKFAST OF CHAMPIONS—IT'S THE TOPS! ELLSWORTH VINES WORLD'S BEST TENNIS PLAYER. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published September 28, 1937.

16,576.—*Title:* DO YOUR FEET HURT? HOW HEALTH SPOT SHOES KEEP ANKLES STRAIGHT HERE'S FOOT COMFORT! For Shoes. MUSEBECK SHOE COMPANY, Danville, Ill. Published October 8, 1937.

16,577.—*Title:* PARKE-DAVIS STANDARDIZED VITAMIN PRODUCTS. For Vitamin Products in Concentrated Form. PARKE, DAVIS & COMPANY, Detroit, Mich. Published September 1, 1937.

16,578.—*Title:* LOXOL. For an Oil Shampoo Tint. SALES AFFILIATES, INC., New York, N. Y. Published September 23, 1937.

REISSUES

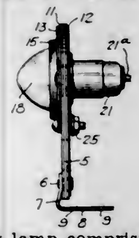
NOVEMBER 16, 1937

20,552
WARNING LIGHT

Ernest Earl Highfill, deceased, late of Los Angeles, Calif., by Jesse D. Langdon, Los Angeles, Calif., assignee, assignor of two-thirds to George J. Kilgen and Edward W. Todd, both of Los Angeles, Calif.

Original No. 2,024,858, dated December 17, 1935, Serial No. 737,316, July 27, 1934. Application for reissue May 11, 1937, Serial No. 142,074

6 Claims. (Cl. 240—8.3)



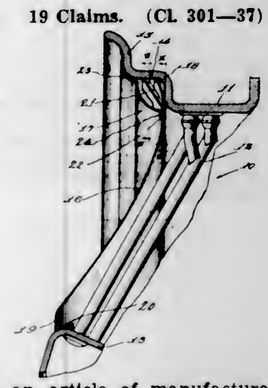
5. A warning lamp comprising a substantially flat support of resilient vulcanized material, relatively narrow at one end, mounting means at said narrow end, said support flaring toward its other end and terminating in a substantially circular body portion, an opening through said body, a lamp socket housing on one side of said body adjacent said opening, a lamp socket retained by said housing and adapted to receive the shank of an electric lamp inserted through said opening, a lens retaining rim on the other side of said body concentric with said opening and projecting forwardly and radially inwardly with respect thereto, a cup shaped lens having a peripheral bead retained within said rim, forming a chamber for the globe of said lamp, and electrical connections for said socket.

20,553
ORNAMENTAL PLATE FOR WHEELS

George Albert Lyon, Allenhurst, N. J.

Original No. 1,949,317, dated February 27, 1934, Serial No. 646,762, December 12, 1932. Application for reissue January 28, 1935, Serial No. 4,997

19 Claims. (Cl. 301—37)



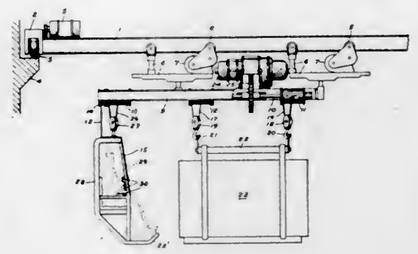
19. As an article of manufacture, an ornamental disk of sheet metal for disposition between the rim and hub portions of a wheel to cover completely the space separating such portions, said disk having associated with its outer marginal portion a ring-like annular ornamental bead for increasing the overall diameter of the disk and including concealed resilient means for engaging a portion of the wheel.

20,554
TRAVELING HOIST

William H. Ringe, Berkeley, Calif.

Original No. 2,061,044, dated November 17, 1936, Serial No. 72,547, April 3, 1936. Application for reissue August 9, 1937, Serial No. 158,230

6 Claims. (Cl. 212—126)



1. A traveling hoist having a hoisting rope and load-carrying device, a second hoist rope spaced from the first rope, an operator's cage suspended from said second hoist rope adjacent the load, a winding drum for each rope, means positively insuring simultaneous operation of both ropes at all points in raising and lowering, remote control electrical connections on said cage with flexible leads therefrom for controlling all motions of said traveling hoist and said ropes, and a winding drum for said leads associated with the drum of said second hoist rope.

20,555
EARTHENWARE BODIES

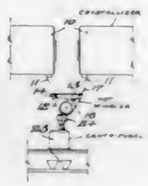
Ira E. Sproat, Westport, Conn., assignor to R. T. Vanderbilt Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Original No. 2,068,154, dated January 19, 1937, Serial No. 47,413, October 30, 1935. Application for reissue August 26, 1937. Serial No. 161,082

8 Claims. (Cl. 106—11)

1. Glazed, semi-vitreous, earthenware bodies having a bisque made from a mixture comprising clay from the class consisting of ball clays, kaolins and china clay, and pyrophyllite, both in substantial amount, and a small percentage of a calcium compound sufficient to impart decreased moisture expansion in the resulting body, the amount of calcium compound being greater than that occurring naturally in the pyrophyllite and clay and between about 0.5 and 5%, calculated as calcium oxide.

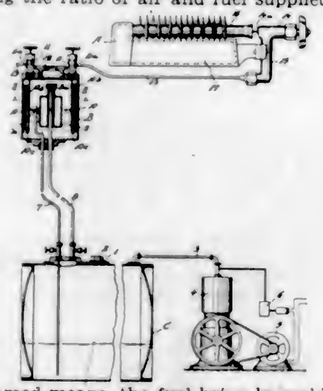
20,556
PROCESS FOR TREATING MASSECUITE
George E. Stevens, Denver, Colo., assignor to Western States Machine Company, Salt Lake City, Utah, a corporation of Utah
Original No. 2,055,778, dated September 29, 1936, Serial No. 725,404, May 12, 1934. Application for reissue January 13, 1937, Serial No. 120,408
8 Claims. (Cl. 127—56)



7. The process of treating viscous mixtures of sugar crystals and syrup to be centrifuged which comprises introducing a large mass of such material into a mixing tank overlying a battery of centrifugal machines, establishing contact and relative movement between that portion of the mass adjacent the bottom of said tank and extensive heated surfaces distributed substantially uniformly in the space within the tank in the lower portion thereof and heated uniformly to a temperature not harmfully in excess of the maximum temperature at which the material needs to be kept for efficient centrifuging, maintaining such contact and relative movement to ensure uniformity of temperature and uniform high fluidity in said portion, withdrawing charges of the fluid heated material through the bottom of the tank and immediately centrifuging the same and replacing the withdrawn material by material from that portion of the mass above said heated surfaces.

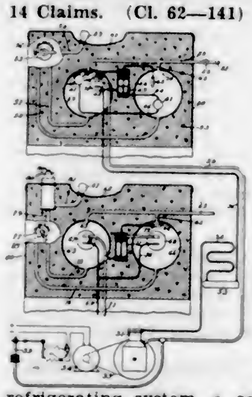
20,557
HYDROCARBON FUEL BURNING SYSTEM
Frank V. Risinger, Lakewood, Ohio
Original No. 1,988,334, dated January 15, 1935, Serial No. 458,327, May 31, 1930. Application for reissue October 9, 1936, Serial No. 104,870
37 Claims. (Cl. 158—53)

1. In a hydrocarbon burning apparatus of the class described, a hydrocarbon burner, a main fuel and air supply, an auxiliary fuel and air supply, means for supplying air and fuel from said main supply to said auxiliary supply instrumentalities in the auxiliary supply for converting the fuel into a mist-like condition, means for supplying fuel and air in the mist-like condition from said auxiliary supply to said burner under pressure, and means in the auxiliary supply for varying the ratio of air and fuel supplied by the



last named means, the fuel being burnable without preheating.

20,558
REFRIGERATING APPARATUS
Robert R. Candor, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Original No. 1,899,013, dated February 28, 1933, Serial No. 499,040, November 29, 1930. Application for reissue February 28, 1935, Serial No. 8,773
14 Claims. (Cl. 62—141)

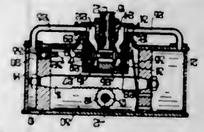


11. In a refrigerating system, a cold storage tank containing a cooled liquid, a refrigerating evaporator positioned inside the tank, a refrigerating evaporator positioned outside said tank and cooling a medium, the two evaporators being connected in parallel, means for circulating a refrigerant through either one of said evaporators, and means for conveying cooled liquid to aid in cooling said medium.

PATENTS

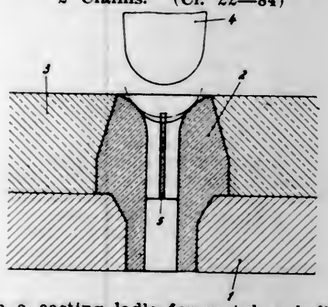
GRANTED NOVEMBER 16, 1937

2,098,936
WINDSHIELD WIPER MOTOR
Fullerton George Gordon Armstrong, Beverley, and Howard Clayton-Wright, Stratford-on-Avon, England; said Clayton-Wright assignor to said Armstrong
Application August 25, 1936, Serial No. 97,862
In Great Britain June 12, 1935
7 Claims. (Cl. 121—164)



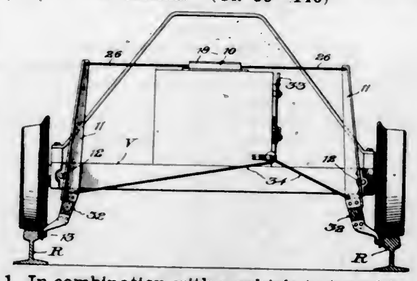
1. A control mechanism for a windshield wiper comprising a cylinder, a double acting piston operating within said cylinder, a member disposed within said cylinder between the heads of said piston and having a bore therethrough, means providing a pair of valve seats in axial alignment with said bore and disposed one on each side of said member and spaced therefrom, a movable solid spindle extending through said bore and said valve seats, a pair of valves fixedly mounted on said spindle and disposed one on each side of said member within the spaces between said member and said valve seats, conduit means including ports opening through said valve seats, and fluid pressure means passing through said conduit means for displacing said piston and effecting relative movement between said valve seats and said valves for alternately closing one of said valve seats and the remote end of said bore whereby to effect reciprocation of said piston and displacement of a connected wiper.

2,098,937
LADLE FOR CASTING FLUID METAL
Heinrich Brinkmann, Dortmund, Germany
Application January 8, 1936, Serial No. 58,196
In Germany March 2, 1934
2 Claims. (Cl. 22—84)



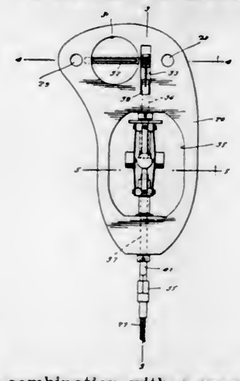
1. In a casting ladle for metal, a ladle body having an outflow opening in the bottom thereof and a subsequently insertable guiding member arranged in the upper portion of the outflow opening, said guiding member consisting of crosswise arranged thin-walled ribs extending in the longitudinal direction of the outflow opening and in fixed relation thereto, the portion of the outflow opening below the said guiding member having straight sides and the same diameter as the upper portion.

2,098,938
TRACK GAUGE INDICATOR
Edward William Backes, Cook County, Ill., assignor to Poor & Company, New York, N. Y., a corporation of Delaware
Application April 16, 1937, Serial No. 137,363
4 Claims. (Cl. 33—146)



1. In combination with a vehicle to travel track rails, a pair of rail gauge face contacting members mounted on said vehicle for inward and outward movement, a movable indicating element, spring means for moving said indicating element in one direction, a sheave swingable with said element, a flexible element connected at its ends with said rail contacting members and engaged over said sheave, other sheaves having fixed operative positions and with which said flexible element is engaged whereby said rail contacting elements are urged constantly outwardly into contact with the rails by said spring means, index means with which said indicating element cooperates to indicate variations in the gauge of the rails, and means for laterally adjusting one of said sheaves relative to another of said sheaves thereby to adjust said flexible element and said indicating element to obtain an initial setting of said indicating element relative to said index means corresponding to true gauge of the rails.

2,098,939
MOTOR GOVERNOR
Roy Barbour, Beaufort, N. C.
Application October 24, 1936, Serial No. 107,450
2 Claims. (Cl. 180—82)



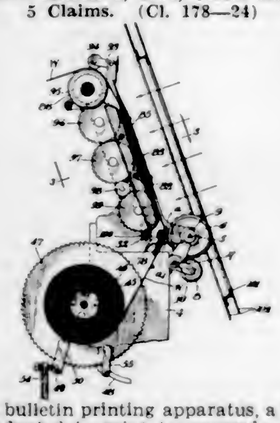
1. The combination with a speedometer drive shaft of an internal combustion engine, of a flat

plate-like member secured in position in the fuel feed line of the engine and having a fuel passage extending therethrough, a throttle valve mounted in said passage for controlling the supply of fuel one end of the member projecting outwardly from the engine and having an opening therein, and a driving connection between the throttle valve and the speedometer shaft, said driving connection including a centrifugal governor mounted in said last named opening for controlling the opening and closing of the throttle valve in response to the speed of the speedometer shaft.

2,098,940
WEB FEEDING MECHANISM

August H. Blohm, Chicago, Ill., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware

Application March 8, 1930, Serial No. 434,272
5 Claims. (Cl. 178—24)



1. In a bulletin printing apparatus, a telegraph printer adapted to print transversely of a web, a web take-up mechanism, a panel extending between said printer and take-up mechanism and means for maintaining said web continuously in contact with said panel as it passes from the printer to the take-up mechanism.

2,098,941
PROJECTION SYSTEM

August H. Blohm, Chicago, Ill., assignor to Trans-Lux Corporation, a corporation of Delaware

Application March 8, 1930, Serial No. 434,273
Renewed April 24, 1935
12 Claims. (Cl. 88—24)



1. In combination, a device for printing characters in line form on a web, means for feeding said web through a projection field, means cooperating with said field to obtain images of said characters, a housing for at least a part of said second named means, and a housing for said device, said web extending from said projection field through said second housing and passing exteriorly thereof through a slot formed in a wall thereof.

2,098,942
PROTECTION OF MATERIALS SUBJECT TO PARASITIC ATTACK

Merlin Martin Brubaker, Lindemere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 17, 1936, Serial No. 85,822. In Germany June 18, 1935
7 Claims. (Cl. 167—22)

1. A composition of matter suitable for protecting materials against parasitic attack comprising a dispersion of a parasiticide in a solution of a salt of a polymeric amino-nitrogen containing body substantially insoluble in water and in 5% aqueous ammonia but soluble in at least the stoichiometrical amount of 2% aqueous acetic acid and capable of forming a coherent film therefrom.

4. A composition of matter suitable for protecting materials against parasitic attack comprising a dispersion of a parasiticide in an aqueous solution of an acetate of deacetylated chitin.

2,098,943
PROCESS FOR DESULPHURIZING HYDROCARBONS

Albert E. Buell and Walter A. Schulze, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

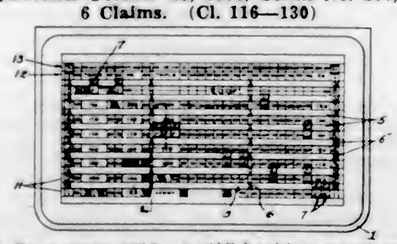
No Drawing. Original application June 10, 1932, Serial No. 616,574. Divided and this application May 21, 1935, Serial No. 22,659
7 Claims. (Cl. 196—28)

1. The process of desulphurizing petroleum hydrocarbon fluid containing organic sulphur compounds as impurities, comprising heating the fluid in the vapor state to a temperature within the range of 500° to 800° F., contacting the vapors at substantially the same temperature with a catalyst consisting of crude mineral ore containing a substantial proportion of a zinc compound, whereby the organic sulphur compounds are decomposed into hydrogen sulphide, and separating the hydrogen sulphide from the hydrocarbon fluid.

2,098,944
POCKET ROOM GUIDE

Wilbur J. Ceder, Los Angeles, Calif.

Application October 26, 1936, Serial No. 107,567
6 Claims. (Cl. 116—130)

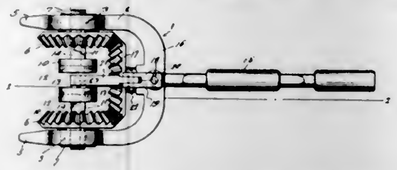


2. In a room guide, a stiff backing member; a yieldable plate thereover; a chart covering said plate and locally depressible therein; a plurality of bars supported from said backing member and normally lying contiguous to said chart; tab means adapted to be interposed between said bars and chart by depressing a local region of said chart into said plate; the portions of said chart exposed between said bars divided into rows and columns to define areas representative of rooms in a building; and said tab means adapted to be removably positioned over said areas for indicating predetermined facts regarding said rooms.

2,098,945
WIRE SPLICER

Robert W. Davis, Lexington, Ky.

Application July 3, 1936, Serial No. 88,901
1 Claim. (Cl. 140—115)



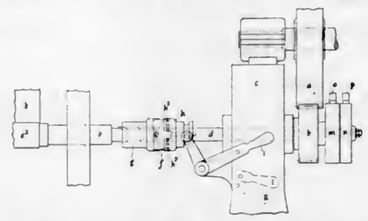
A wire splicing machine of the class described comprising a substantially U-shaped frame, bearings on the legs of said frame, said legs of said frame having horizontal slots therein extending from the bearings to the free ends thereof, said slots being for the insertion of wires to be twisted, a pair of opposed gears rotatably mounted in the frame and including elongated hubs journaled in the bearings, said gears and hubs having radial slots therein for registry with the first-named slots for receiving the wires therefrom, said hubs further having polygonal bores extending therethrough and communicating with the second-named slots, a pair of spaced, opposed twister heads mounted in the frame and including outwardly projecting shanks of polygonal cross section slidably engaged in the bores, said twister heads having substantially V-shaped recesses in their inner end portions and further having openings therein communicating with the inner portions of said recesses, said heads and the shanks further having grooves therein communicating with the recesses and adapted to communicate with the second-named slots, said grooves, recesses and the openings for the reception of the wires, a crank handle journaled in the bight portion of the frame, a gear fixed on said crank handle and engaged with the first-named gears for actuating the same in opposite directions, a post mounted on the frame, a bracket mounted on said post, and an angular holder pivotally mounted on the bracket and engageable with the wires between the twister heads for securing said wires against rotation.

2,098,946
FABRIC PRINTING MACHINE

Claud John Elliott, Ainsdale, Southport, England, assignor to The Calico Printers' Association Limited, Manchester, England, a British company

Application April 15, 1936, Serial No. 74,556
In Great Britain April 23, 1935
14 Claims. (Cl. 101—178)

1. A drive for the printing rollers of fabric printing machines, comprising a crown wheel, a plurality of box wheels in mesh with said crown wheel and having their axes fixed relatively to the axis of said crown wheel, a shaft for each said box wheel, a printing roller mandrel for each of said box wheels and a double universal coupling

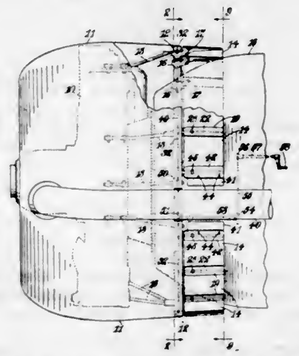


between each box wheel shaft and the associated printing roller mandrel.

2,098,947
COWL FOR AIR-COOLED AIRCRAFT ENGINES

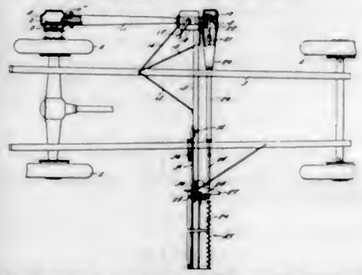
Alfred Hubert Roy Fedden and John William Copley, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company

Application July 23, 1936, Serial No. 92,188
In Great Britain August 9, 1935
4 Claims. (Cl. 123—171)



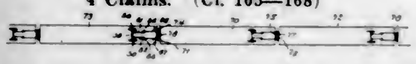
1. A cowl for an air-cooled aircraft engine comprising a series of rearwardly-extending plate-like flaps entirely separate from the cowl, a pair of rearwardly-extending arms associated with each flap one at each margin thereof, a pair of longitudinal flanges on the side of each arm adjacent the flap so as to form a groove between them of which grooves at least one is of greater width than the thickness of the margin of the flap which can thus slide in at least one of said grooves, said margins being supported within said grooves, the circumferential distance between the flanges on one arm and the flanges on the other arm being substantially less than the corresponding dimension of the flap at all operating positions of the arms and the circumferential distance between the base of the groove on one arm and the base of the groove on the other arm being greater than the corresponding dimension of the flap, whereby the flap is supported solely by the arms at all operating positions thereof despite its being entirely separate from the cowl, a pivot for each arm lying along an axis at right-angles to a fore-and-aft central plane, and driving mechanism carried by a fixed part of the cowl and operatively connected to each said arm to rotate it about said pivotal axis.

2,098,948
MOWER
William Foushee and Marson B. Heckendorn, Cedar Point, Kans.
Application July 29, 1936, Serial No. 93,266
2 Claims. (Cl. 56—25)



1. A mower attachment for motor driven vehicles, comprising a bar adapted to be suspended transversely from the chassis frame of a motor driven vehicle, a transmission housing on one end of said bar, transmission mechanism in said housing, driving mechanism for connecting the transmission mechanism with one of the driving wheels of the motor driven vehicle, a hand lever pivotally mounted on said bar, a head member suspended from said hand lever, a mower mechanism pivoted at one end thereof to said head member, link means connecting said lever intermediate its ends with said mower whereby rocking movement of the lever is transmitted to the mower for swinging the latter about its pivot to raise or lower the mower, said mower including a reciprocating cutter bar, and mechanism operatively connecting the transmission mechanism with the cutting bar of the mower for reciprocating the latter.

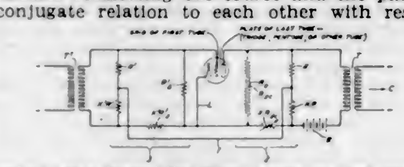
2,098,949
TRAIN
Carl Geissen, Berlin-Schoneberg, Germany, assignor of one-half to Rheinmetall-Borsig Aktiengesellschaft/Werk Borsig, Berlin-Tegel, Germany
Application January 9, 1937, Serial No. 119,799
In Germany January 8, 1936
4 Claims. (Cl. 105—168)



1. In an express train, comprising a plurality of single-axled cars and a multi-axled car; a supporting joint coupling interconnecting two adjacent cars and having a common pivot point the distance of which from said two adjacent cars remains constant; each of said single-axled cars having one divided axle, and means connected with said divided axle and an adjacent car to steer said divided axle depending upon the angle of intersection between the car carrying the divided axle and said adjacent car.

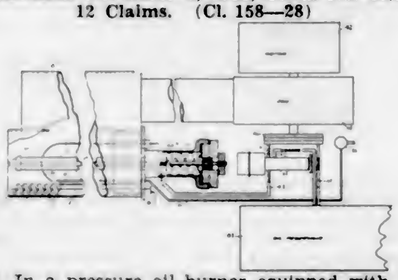
2,098,950
VACUUM TUBE CIRCUIT
Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1934, Serial No. 745,420
12 Claims. (Cl. 179—171)

1. A space discharge device having a space current supply source and feed-back path, and circuits connecting the source and the path in conjugate relation to each other with respect



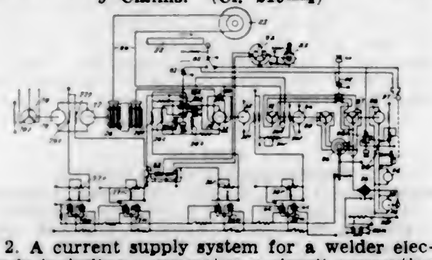
only to steady unidirectional voltage and supplying a current from the source to the device and a current from the device to the path.

2,098,951
DUAL SAFETY DEVICE FOR OIL BURNERS
Jesse J. Brown, Syracuse, N. Y.
Application November 6, 1935, Serial No. 48,590
12 Claims. (Cl. 158—28)



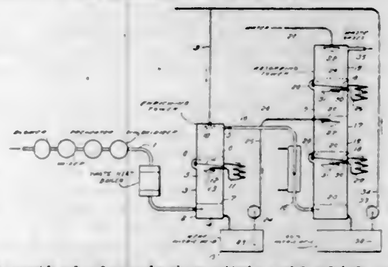
1. In a pressure oil burner equipped with an oil spraying nozzle and blower, with means for supplying oil under pressure to said nozzle, and with a pressure responsive valve adapted to open at a pre-determined oil pressure, an oil burner safety control including an ignition means, a thermostatic element adjacent thereto and adapted to be heated thereby, and an electric circuit responsive to the action of the said thermostatic element having means associated therewith to control the supply of oil fuel to the burner independently of the energization of said blower motor, said means as controlled by said thermostatic element normally rendering said oil fuel supply operative with a time dwell after the blower operation is started.

2,098,952
APPARATUS FOR WELDING
James V. Caputo, Crafton, Pa.
Application March 14, 1934, Serial No. 715,489
9 Claims. (Cl. 219—4)



2. A current supply system for a welder electrode including a generator, a circuit connecting the generator and electrode, a motor for driving the generator, an exciter for the motor, means for regulating the excitation of the exciter to vary the excitation and speed of the motor, and means responsive to the voltage drop in a portion of one side of said circuit and effective to control said regulating means.

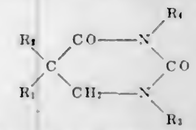
2,098,953
NITRIC ACID MANUFACTURE
Axel Christensen, Rye, N. Y., assignor to Chemical Construction Corporation, a corporation of Delaware
Application May 26, 1934, Serial No. 727,652
1 Claim. (Cl. 23—160)



A method of producing nitric acid which comprises oxidizing ammonia with air to produce a gas mixture containing nitric oxide, passing said gas mixture after suitable cooling through an enriching tower in countercurrent to a flow of relatively cold nitric acid under conditions such that higher oxides of nitrogen are produced by the reaction $NO+2HNO_3=3NO_2+3H_2O$, passing the resulting gas mixture through an absorbing tower counter to a flow of an aqueous absorbing medium including spent acid from the bottom of the enriching tower, and feeding a portion of the condensate from said tower into the top of the enriching tower.

2,098,954
HYDROURACIL COMPOUNDS AND PROCESSES FOR THEIR PRODUCTION
Otto Dalmer, Claus Diehl, and Hartmann Pieper, Darmstadt, Germany, assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 3, 1934, Serial No. 705,130. In Germany January 3, 1933
24 Claims. (Cl. 260—32)

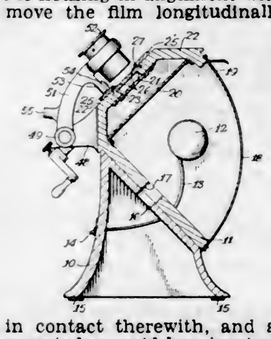
8. A hydrouracil compound having the general formula



in which R_1 and R_2 are lower alkyl radicals, and R_3 and R_4 are selected from the group consisting of hydrogen and lower alkyl radicals.

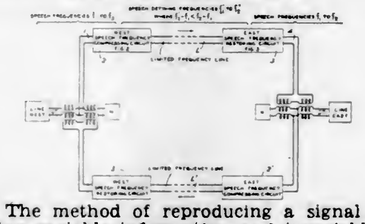
2,098,955
FILM EDITING DEVICE
Rupert H. Draeger, United States Navy
Application October 15, 1936, Serial No. 105,651
1 Claim. (Cl. 88—14)
(Granted under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In a film editing device, a housing having a curved back constituting a reflector and a ground glass top, a source of light in said housing, a glass window mounted on the outside of said housing above said glass top and spaced therefrom, said window being substantially coextensive with the housing, several times as long as it is wide, and of the same width as the film, grooved film guide bars overhanging the edges of said window, film feeding mechanism mounted on the sides of the housing in alignment with said window to move the film longitudinally over the



window in contact therewith, and an eyepiece slidably mounted on said housing in cooperative relation with the entire length of said window.

2,098,956
SIGNALING SYSTEM
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1936, Serial No. 113,818
27 Claims. (Cl. 179—1.5)

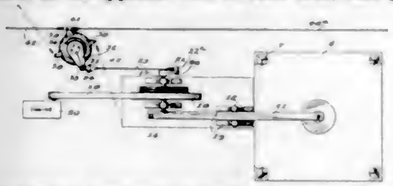


1. The method of reproducing a signal containing variable information and invariable information and represented by a complex wave, which consists in deriving from the complex wave a simple set of parameters having approximately the number of degrees of freedom of the variable elements of the signal source, deriving from said set of parameters a set of defining waves that respectively define the variations of said parameters, transmitting timed parts of each of said waves in successive order over a transmission medium to the exclusion of waves representing said invariable information, producing artificially waves representing said invariable information, and combining effects of said artificially produced waves and said transmitted waves to reproduce said signal.

2,098,957
WELL PUMPING UNIT
Harold G. Durnell and Samuel T. Steel, Bartlesville, Okla.
Application August 24, 1936, Serial No. 97,712
1 Claim. (Cl. 74—41)

Well pumping mechanism of the class described comprising in combination a power unit having a substantially horizontal crank shaft provided with front and rear cranks, a well pump walking beam, means operatively connecting the front crank to the walking beam for actuating the latter from the power unit, said rear crank being provided with a single power take-off, a substantially horizontally disposed wheel oscillatable about a vertical axis and arranged to one side of the power unit, said wheel having an arm projecting toward

the power unit, a pitman connected at one end to the power take-off of the rear crank and connected at its opposite end to said arm, said pitman having a universal joint interposed therein, and a number of power take-offs carried by said wheel.



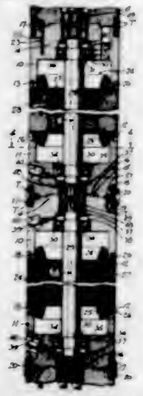
2,098,958

MULTIPLE MOTOR UNIT

Edward C. Ekstromer, San Francisco, Calif., assignor to Electrolift Corporation, Reno, Nev., a corporation of Nevada

Application August 12, 1936, Serial No. 95,557

15 Claims. (Cl. 171—252)



1. A multiple motor unit for pumps comprising a plurality of motors arranged in end to end relation to each other; means serving to operatively connect one motor to another to enable the combined energy developed by all thereof to be transmitted to a mechanism to be driven; and means concentrically related to the axis of said unit and co-operable with said motors to move same axially into end to end engagement and rigidly securing them to each other.

2,098,959

PROCESSES FOR CONVERTING HYDROCARBONS

Frederick E. Frey and Walter F. Huppke, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application May 2, 1934, Serial No. 723,608

4 Claims. (Cl. 260—170)

1. A process for the non-destructive dehydrogenating of aliphatic hydrocarbons of at least two carbon atoms per molecule to corresponding hydrocarbons of lower hydrogen content, which comprises contacting said aliphatic hydrocarbons at temperatures above 325° C. with a vitreous gel catalyst comprising chromium oxide and a difficultly reducible oxide of the group aluminum, zirconium, titanium, silicon, thorium, boron, and magnesium, the said oxides having been combined in a state of intimate association effected while the oxides are in a highly hydrous condition.

2,098,960

PROCESSES FOR CONVERTING HYDROCARBONS

Frederick E. Frey and Walter F. Huppke, Bartlesville, Okla., assignors to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original application May 2, 1934, Serial No. 723,608. Divided and this application April 15, 1935, Serial No. 16,512

3 Claims. (Cl. 260—170)

1. In a process for hydrogenating unsaturated hydrocarbons, the steps which comprise passing the said unsaturated hydrocarbons together with hydrogen at temperatures above 200° C. in contact with a vitreous gel catalyst comprising chromium oxide and a difficultly reducible oxide of the group aluminum, zirconium, titanium, silicon, thorium, boron, and magnesium, the said oxides having been combined in a state of intimate association effected while the oxides are in a highly hydrous condition.

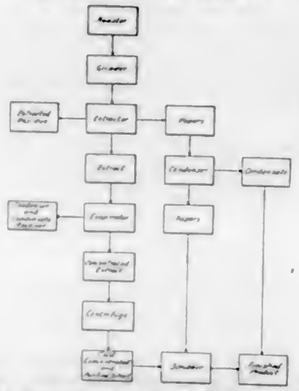
2,098,961

MANUFACTURE OF CONCENTRATED COFFEE EXTRACT

Douglas Fronmuller, Middle Village, N. Y., assignor to Coffee Products Corporation, New York, N. Y., a corporation of New York

Application July 3, 1934, Serial No. 733,558

4 Claims. (Cl. 99—71)



1. The improvement in the production of a concentrated liquid coffee extract from roasted coffee, which comprises extracting the ground, roasted coffee with hot or boiling water in a closed system to produce a coffee extract, concentrating the resulting coffee extract to an extent sufficient to produce a more concentrated liquid extract than that desired as the final product and cooling the concentrated extract, drawing off the vapors produced during the extraction and subjecting the same to a cooling and condensing treatment and also to a scrubbing treatment, the scrubbing treatment being carried out by using the super-concentrated cold liquid coffee extract as the scrubbing liquid and the condensed constituents, condensed from the vapors by the cooling and condensing treatment, being combined with the super-concentrated liquid coffee extract to give a concentrated cold liquid coffee extract containing the condensed constituents and also containing difficultly condensable and non-condensable constituents scrubbed from the vapors during such scrubbing treatment.

2,098,962

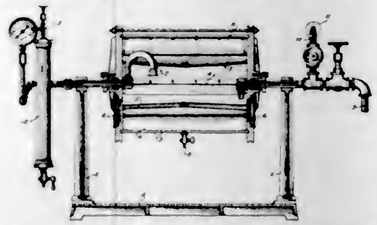
METHOD FOR CARRYING OUT AERATION IN BIOCHEMICAL PROCESSES

Rudolph Hellbach, Washington, D. C., assignor to Henry A. Wallace, for the Government of the United States

Application May 7, 1935, Serial No. 20,195

2 Claims. (Cl. 195—109)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method for carrying out aeration in biochemical processes, which comprises introducing fermentable material into a container; subjecting said material to rotation; causing it to fall in substantially thin sheets, the while introducing a gas containing an appreciable quantity of oxygen; then causing the excess gases to escape from said container, and thereby making a continuous, intimate contact of the gas with the fermentable material.

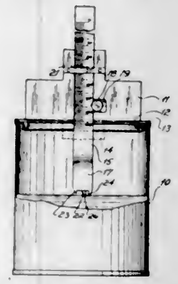
2,098,963

SURFACE CONTACT GAUGE FOR LIQUIDS

Paul L. Hexter, Cleveland, Ohio, assignor to The Arco Company, Cleveland, Ohio, a corporation of Ohio

Application October 2, 1935, Serial No. 43,201

5 Claims. (Cl. 33—126.7)



1. A gauge of the class described comprising a support adapted to be positioned on the top of a container, a member adjustably mounted on said support, said member having a knife edge arranged substantially parallel with the surface of a liquid in said container and spaced extensions of different lengths below said edge which are adapted to contact with the surface of the liquid at successive levels below the level of said edge, when the container is being filled, and co-operating measuring means on said support and said member whereby said member is located in any desired position on said support.

2,098,964

ARTIFICIAL RESINS

Rowland Hill and Eric Everard Walker, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, London, England

No Drawing. Application October 31, 1928, Serial No. 316,346. In Great Britain, November 11, 1927

8 Claims. (Cl. 260—8)

1. In the manufacture of polyhydric alcohol-polybasic acid resins, the process which comprises condensing together the mono-ester of an organic polybasic acid composition and at least one polyhydric alcohol.

2. An alkyd resin convertible by heat to the infusible state consisting of the esterification product of a polybasic acid component and a mixture of polyhydric alcohols, one of which is a dihydric alcohol.

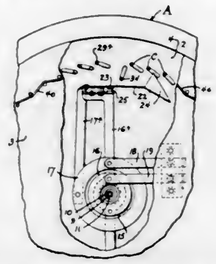
2,098,965

CLOCK

Henry C. James, Jr., Oakland, Calif., assignor to National Products, Inc., a corporation of California

Application February 24, 1936, Serial No. 65,453

5 Claims. (Cl. 200—38)



1. In combination with a clock mechanism, a carrier adapted to be rotated by the clock mechanism, a switch mounted on the carrier, said switch including a stationary and a movable contact, a plurality of actuators movable out of and into the path of travel of the switch to move the movable contact into engagement with the stationary contact, a pair of collector rings mounted on the carrier and insulated therefrom, a circuit connection between one ring and the movable contact, a similar connection between the other ring and the stationary contact, a pair of brushes engageable with the collector rings, and a plurality of actuators movable out of or into the path of travel with the movable contact.

2,098,966

POLISHING PAD

Russell B. Kingman, Orange, N. J.

Application January 6, 1937, Serial No. 119,206

17 Claims. (Cl. 91—54.7)



1. A pad having an expressible polishing agent content, comprising corrugated holder means, channels of which provide holding chambers, masses of polishing agent within said holding chambers, and means through which said polish-

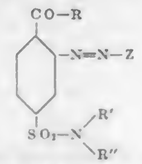
ing agent may be gradually expressed from said holding chambers by pressure and movement imparted to the pad in use.

2,098,967
AZO DYESTUFFS

Max Lange, Frankfort-on-the-Main-Hochst, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 9, 1935, Serial No. 30,563. In Germany August 4, 1934
4 Claims. (Cl. 260—92)

1. The azo-dyestuffs of the following general formula:



wherein R represents a member of the group consisting of OH, O-alkyl and the grouping

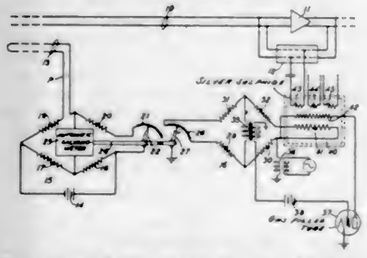


in which X and Y stand for members of the group consisting of hydrogen, alkyl and phenyl radicals, R′ and R″ stand for members of the group consisting of hydrogen, alkyl and phenyl radicals and Z means the radical of an aminonaphtholsulfonic acid, dyeing the animal fiber in general red shades of good fastness properties, particularly of a very good fastness to light and a good fastness to perspiration.

2,098,968
TRANSMISSION REGULATION

Charles O. Mallinckrodt, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 14, 1935, Serial No. 26,577
9 Claims. (Cl. 178—44)

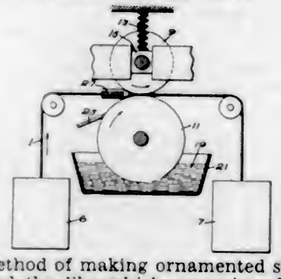


7. In a regulating system for transmission lines, including repeaters, a pilot conductor, a Wheatstone bridge controlled thereby, a heat chamber containing a thermo-sensitive element adapted to control the gain of a repeater, a source of heating current for said heat chamber, means controlled by an unbalance condition of said bridge to control the supply of heating current to said heat chamber to vary the temperature of its interior to different temperatures all above room temperature, and means independent of said pilot wire for controlling the balance of said bridge to control the supply of heating current to said heating chamber.

2,098,969
METHOD OF MAKING SHOE TRIMMINGS AND THE LIKE

Albert C. Murray, Wakefield, Mass., assignor, by mesne assignments, to American Stay Company, Boston, Mass., a corporation of Massachusetts

Original application November 17, 1932, Serial No. 643,037. Divided and this application December 6, 1934, Serial No. 756,343
1 Claim. (Cl. 91—68)

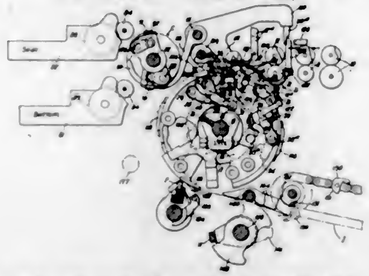


The method of making ornamented shoe trimmings and the like which comprises forming a thin narrow strip of flaccid leather or leather substitute having a coating of flaccid cellulose base material, operating upon said strip to place the material thereof under pressure in the direction of the thickness of said strip and, while under pressure, to place upon said coating a multitude of droplets of liquid cellulose base material, which latter is of contrasting color to said coating and contains a solvent therefor and is flaccid when dry, said droplets being arranged to form a sharply delineated design and being sufficiently closely spaced to unite with adjacent droplets upon relief of said pressure, relieving said pressure, and drying the united droplets.

2,098,970
ENVELOPE MACHINE

Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York

Application May 18, 1933, Serial No. 671,630
11 Claims. (Cl. 93—62)



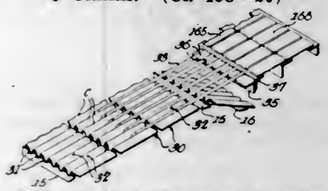
1. In a machine for making envelopes, said machine being of the type characterized by means for scoring the blank longitudinally and transversely, and by means for folding the side flaps of the blank; the combination of a rotatable member; a flap-folding means revoluble bodily therewith in an arcuate path conforming in part with the path of travel of the blank, said last-named flap-folding means being swingable in an arcuate path intersecting said first-named arcuate path, for folding an end-flap of the blank; and frictional conveying means for transporting said blank, after it has been acted on by said side flap folding means, to its arcuate path of

travel to be acted on by said end-flap folding means, the latter being adapted to accomplish the end flap fold irrespective of the normal error in registry imparted by the frictional feeding means.

2,098,971
CONVEYER

Frank P. Perkins, Waukesha, Wis., assignor to Michael Yundt Company, Waukesha, Wis., a corporation of Wisconsin

Application January 31, 1936, Serial No. 61,741
6 Claims. (Cl. 198—20)

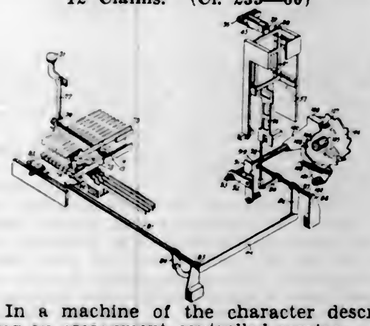


2. A device of the character described comprising a main conveyer including a plurality of cross members, each cross member comprising a metal body plate having adjacent portions alternately displaced in opposite directions to provide on the outer sides of the cross members article supporting surfaces and parallel, smooth and unobstructed grooves disposed between said surfaces, said grooves extending longitudinally of the conveyer with the grooves of one cross member alined with the grooves of the other, means connected with the inner sides only of said body plates for flexibly interconnecting the cross members and supporting and driving said main conveyer, an unloading conveyer at the discharge end of the main conveyer, a plurality of gap rods, one for each groove of the main conveyer, said gap rods extending between the discharge end of the main conveyer and the unloading conveyer, said gap rods having free ends projecting into and accommodated within the said grooves so as not to interfere with or present obstructions which would catch corners or other parts of articles traveling along the main conveyer, and means spaced from the free ends of said rods for supporting the rods so that articles pushed thereacross will be deposited on the unloading conveyer without catching upon any obstruction.

2,098,972
COMBINED TYPEWRITING AND COMPUTING MACHINE

Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application December 31, 1936, Serial No. 118,618
12 Claims. (Cl. 235—60)

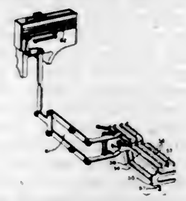


1. In a machine of the character described having an escapement-controlled carriage, a set of serially-operated indexable computing-wheel drivers and a set of indexing bars operatable from numeral keys; a mechanism controlled from the carriage for moving an operated indexing bar out of the path of a computing-wheel driver, said mechanism comprising a part adapted to be engaged by an operated indexing bar and a part adapted to be moved into the path of movement of the escapement-controlled carriage, and means connecting said parts for the transmission of movement in both directions.

2,098,973
PLURAL SELECTION ADAPTER FOR DELAY MECHANISM

Albert H. Reiber, Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application March 4, 1935, Serial No. 9,136
22 Claims. (Cl. 199—18)

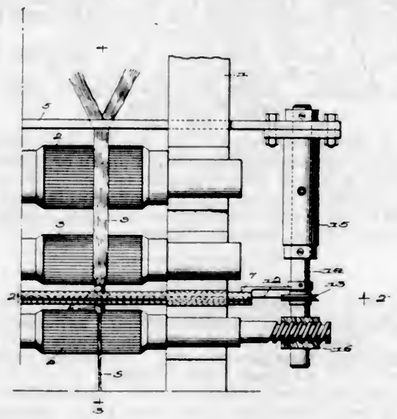


1. In a selecting mechanism, a group of primary selectable elements, a group of secondary selectable elements, each element of which is responsive to a code signal common to one or more of the elements of said primary group, a common motion recipient controlled by the elements of said secondary group, and a supervisory mechanism initiated by said common motion recipient for affecting the performance of an element relating to said primary group of selectable elements.

2,098,974
DRAFTING APPARATUS

George E. Repass, Gulfport, Miss.

Application July 16, 1934, Serial No. 735,466
9 Claims. (Cl. 19—154)



1. In drafting apparatus, the combination with a plurality of drafting rolls, of a tubular trumpet

bar located between adjacent rolls, trumpets each having opposite ends thereof journaled in opposite sides of said trumpet bar and having a tapered opening therethrough, and means extending longitudinally through the trumpet bar and having driving engagement with said trumpets for rotating said trumpets.

2,098,975

FURNITURE PAD

Willis D. Rich, Hingham, Mass.; Louise B. Rich administratrix of said Willis D. Rich, deceased

Application February 18, 1936, Serial No. 64,483

5 Claims. (Cl. 45—137)



1. A furniture pad comprising a setting having an opening through it, a cushion having edge engagement with the setting around the opening in it and protruding through said opening to rise above the setting, a flanged stud backing said cushion, the flange forming portion of the stud bearing against that portion of the cushion having edge engagement with the setting as aforesaid, the body of the stud protruding in part through said opening in the setting and over the face of which protruding portion of the stud said cushion is stretched, said cushion comprising normally a flat piece of cushion forming material larger than the flanged portion of said stud, the flanged portion of said stud being larger than the opening in the setting, the body of the stud being sufficiently smaller than the opening in the setting to carry the cushion with it when the body is projected through said opening, and means for forcing the stud to engage, in its flange forming portion, that portion of the cushion having edge engagement with the setting around the opening in it and to project, in its body portion, through the opening in the setting thereby distorting and carrying the cushion with it whereby the edge portion of the cushion will be bound to the setting and the projecting body portion thereof stretched over the face of said projecting body portion of the stud.

2,098,976

MEDICINAL PREPARATIONS CONTAINING METAL COMPOUNDS OF DECOMPOSITION PRODUCTS OF NUCLEOPROTEINS

Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin, New York, N. Y.

No Drawing. Application November 2, 1933, Serial No. 696,390

8 Claims. (Cl. 167—68)

8. A medicinal preparation for the treatment of diseases by application to the human or animal body by injection comprising an isotonic solution of a compound of an isolated nucleotide and a metal of the group consisting of mercury, calcium, iron, gold, silver and aluminum.

2,098,977

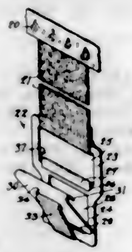
HOSE SUPPORTER

Charles L. Sellen, Seattle, Wash., assignor to Stuart D. Barker, Seattle, Wash.

Application February 1, 1935, Serial No. 4,554

8 Claims. (Cl. 24—243)

1. In a hose supporter, a frame member having a transverse bar; a hose engaging member having an upwardly extending hook like portion receiving a portion of a hose with the hose passing over the outside of the hook like portion and within the hook like portion and over the bar; and means resiliently connecting a lower portion of the frame member with the lower portion of the hose engaging member urging the said members angularly toward each other.



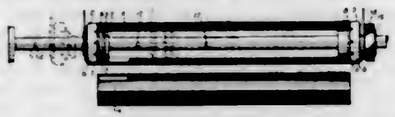
2,098,978

SPLIT PLATEN MOUNTING

John Q. Sherman, Dayton, Ohio

Application March 11, 1936, Serial No. 68,219

22 Claims. (Cl. 197—145)



20. A platen roll for a writing machine including a supporting shaft, a pair of concentric heads relatively adjustable on the supporting shaft for accommodating platen bodies of different lengths, and means for prelocating the heads on the shaft in accordance with the length of the platen body to be accommodated.

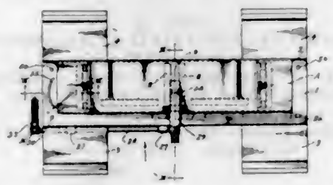
2,098,979

AUTOMOBILE BRAKE TESTER

Jacob L. Shroyer, Oak Park, Ill.

Application April 17, 1936, Serial No. 74,893

7 Claims. (Cl. 265—1)



2. A brake testing apparatus including a single movable platform adapted to receive a pair of automobile wheels thereon for testing the brakes thereof, means supporting said platform for bodily movement substantially perpendicular to its length and also for oscillatable movement about a central pivot, cooperating crank and cam means for moving said platform after said wheels are at rest thereon and the brakes thereof applied, means for actuating said crank means, said last mentioned means being provided with means for visually representing the force necessarily applied to said moving means to move said platform under the conditions stated, and means for indicating the amount of perpendicular and oscillatory movement of said platform.

2,098,980

YARN MANUFACTURE

Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 14, 1933, Serial No. 651,847. In Great Britain February 5, 1932

6 Claims. (Cl. 19—1)

1. Process for the manufacture of imitation spun yarn, which comprises softening the whole of a bundle of filaments having a basis of an organic derivative of cellulose and stretching the softened bundle of filaments while in transit to such an extent that individual filaments are broken while the bundle still contains long lengths of unbroken filaments.

6. An imitation spun yarn which contains broken filaments having a basis of cellulose acetate and long lengths of unbroken filaments having a basis of cellulose acetate.

2,098,981

YARN MANUFACTURE

Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application January 26, 1934, Serial No. 708,405. In Great Britain Feb. 15, 1933

18 Claims. (Cl. 19—1)

1. Process for the manufacture of imitation spun yarn, which comprises softening the whole of a bundle of artificial filaments and subjecting the softened bundle of filaments while in transit to an operation, such that individual filaments are broken while the bundle still contains long lengths of unbroken filaments.

17. An imitation spun yarn which contains broken artificial filaments and long lengths of unbroken artificial filaments.

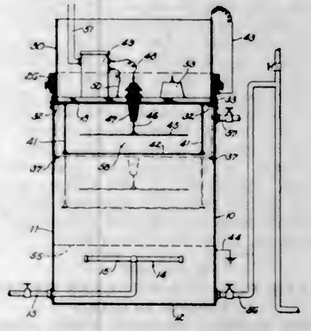
2,098,982

ELECTRIC DEHYDRATOR

Thomas N. St. Hill, San Marino, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application September 11, 1934, Serial No. 743,533

14 Claims. (Cl. 204—24)



1. In combination in an electric treater: a tank containing a liquid; a vertically movable wall at the upper end of said tank; an electrode suspended from said wall to move vertically with said movable wall; and means for setting up an electric field adjacent said electrode whereby said electrode changes in vertical position with a vertical movement of said movable wall.

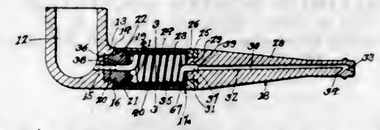
2,098,983

TOBACCO-USER'S APPLIANCE

Harold L. Uber, Jamestown, N. Y., assignor to Charles W. Dodge, Jamestown, N. Y.

Application September 14, 1934, Serial No. 744,056

4 Claims. (Cl. 131—12)



1. In a tobacco smoker's appliance, a structure of stem-like contour including a plurality of separably connected sections, smoke passages arranged in endwise spaced alignment and a portion of enlarged inner diameter intermediate its ends providing a chamber between the inner ends of said smoke passages, said chamber being formed with a pair of end walls, the inner ends of said smoke passages being flush with said end walls of and opening into said chamber, that part of said structure providing the said portion of enlarged inner diameter being formed with spaced wide elongated slots lengthwise thereof providing for a draft of cooling air through said chamber, and a smoke conducting member formed of a series of closely arranged tubular coils and oppositely extending tubular end terminal portions disposed axially with respect to and extending laterally from the end coils of said series of coils, said end terminal portions being arranged in said chamber and separably mounted in the opposed ends of said smoke passages, and said series of coils being arranged in said chamber.

2,098,984

DEHYDRO-STEROL COMPOUNDS AND MANUFACTURE THEREOF

Adolf Windaus and Friedrich Schenck, Gottingen, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 18, 1936, Serial No. 69,590. In Germany March 20, 1935

13 Claims. (Cl. 260—153)

1. Dehydrosterol compounds selected from the group consisting of 7-dehydrocholesterol, 7-dehydrositosterol and 7-dehydrostigmasterol.

3. The process which comprises reacting upon an esterified sterol compound containing in ring II a keto group and a double bond in α, β-position thereto with an alcoholate of a metal selected from the group consisting of earth metals, zirconium and magnesium to reduce the 7-keto group to the 7-hydroxyl group, esterifying the hydroxyl groups of the reduction product, heating the diacyl compound formed to split off the acyl radical in the 7-position in the form of acid with the production of a 7-dehydro compound and saponifying the 7-dehydro-monoester compound.

2,098,985

7-HYDROXY-CHOLESTEROL

Adolf Windaus, Goettingen, and Friedrich Schenck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

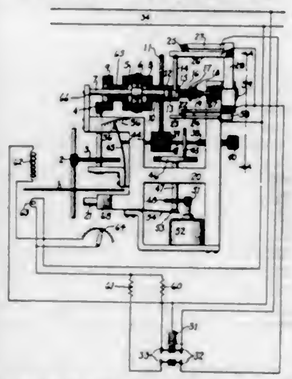
No Drawing. Application March 5, 1937, Serial No. 129,189. In Germany March 20, 1935

1 Claim. (Cl. 260—153)

7-hydroxy-cholesterol, forming white crystals yielding an intensive blue coloration when heated on the water-bath with chloral hydrate, yielding

in the Salkowski reaction a blue coloration of the chloroform solution, forming in the form of its dibenzoate white crystals melting at 172.5–173.5° C.

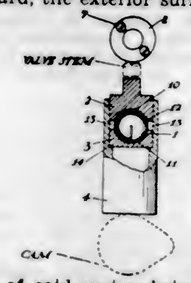
2,098,986
MAXIMUM DEMAND REGULATOR
Ted Starling Winters, Albany, N. Y.
Application December 13, 1934, Serial No. 757,303
10 Claims. (Cl. 171—34)



1. In combination with a watthour meter, a frame adapted to be readily attached to said watthour meter, a differential gear driven by said watthour meter, a constant speed motor, a driving disc fixed to a vertical shaft and driven by said constant speed motor, a thrust bearing supporting said vertical shaft, a horizontal shaft, a driven disc fixed on said horizontal shaft and free to turn therewith, a spring supporting said thrust bearing and maintaining positive frictional contact between said driving and driven discs, a combined horizontal thrust bearing and micrometer screw, a second horizontal thrust bearing and a spring co-acting therewith, a scale and pointer indicating the axial position of said driven disc, a second differential gear driven by said horizontal shaft in a direction opposite to the first differential gear, a driven differential assembly having pinion engagement with said differential gears, a differential shaft fixed to said differential assembly and supporting freely thereon said differential gears, a friction clutch fixed to said differential shaft, an actuator supported by said differential shaft and co-acting with said friction clutch, normally closed contacts mounted on members of unequal length and disposed so as to be opened by said actuator, a rotatable arm and normally open contacts supported on said rotatable arm and disposed so as to be closed by said actuator.

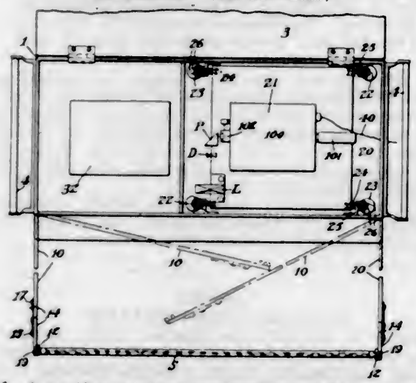
2,098,987
SELF-ADJUSTING MECHANISM
Eugene S. Witchger, Saginaw, Mich.
Application December 18, 1936, Serial No. 116,655
5 Claims. (Cl. 123—90)

1. An automatic tappet adjuster comprising co-axial cylindric members arranged end to end in spaced relation and adapted to be mounted for translatory movement with a tappet, means connecting said members to permit limited movement thereof endwise toward and away from each other, means preventing relative rotation of said members, adjacent ends of said members having lengthwise slot-like recesses whose inner peripheral walls present opposed concave bearing faces, a closely coiled annular resilient spring member of ribbon metal received between the said opposed bearing faces and normally tending to expand radially outward, the exterior surface of the outer



convolution of said spring being in sliding engagement with the said bearing faces, and stop means adjustably associated with said members to halt their movements away from each other.

2,098,988
PROJECTION DEVICE
Walter G. Wolfe, Greenwood, Mass.
Application December 21, 1934, Serial No. 758,637
12 Claims. (Cl. 88—16.2)

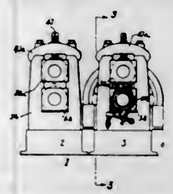


1. A motion picture projection outfit comprising a mobile compartmented stand having at one end a vertical pit, a projector mount vertically movable in said pit so as to be lowered within the pit or elevated to the surface thereof, counterweighted means for the raising and lowering of the mount, a projector on said mount and axially disposed at right angles to the line of screen projection, a pair of supports collapsibly mounted adjacent the stand sides and projectable forwardly thereof, a translucent screen detachably mounted on said arms at fixed focal projection distance, a wide angle projection lens mounted on the stand in the screen projection axis, and a prism reflector disposed between the projector and wide angled lens for deflecting the projected beam into the screen axis.

2,098,989
APPARATUS FOR AND PROCESS OF MAKING HOLLOW BODIES
Carl Minter Yoder, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application July 24, 1934, Serial No. 736,628. In France April 23, 1934, and in Great Britain April 23, 1934
42 Claims. (Cl. 113—33)

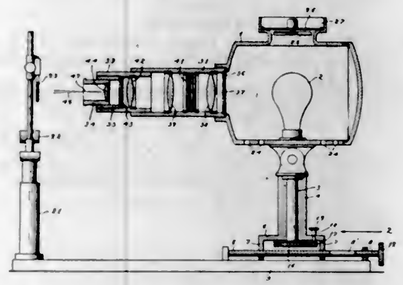
1. In apparatus for shaping sheet material supplied continuously, the combination of means for

feeding the material, means for severing the intermediate portion of the material on transverse lines spaced longitudinally thereof, sets of rolls for progressively shaping the material into a hol-



low body with its side edges in alined relation, and mechanism for severing the remaining portion of the material coincidently with the transverse severing lines.

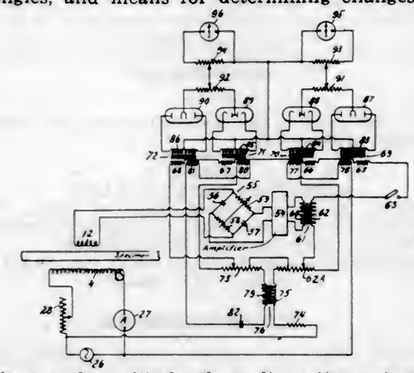
2,098,990
THERAPEUTIC LAMP AND METHOD
Phillip S. Newton, Oakland, Calif.
Application March 10, 1934, Serial No. 714,901
6 Claims. (Cl. 128—396)



6. A pathological treatment of the human eye which consists in projecting into the eye through the cornea thereof a divergent pencil of deep blue light having a wave length from substantially 3000 Å. to approximately 5000 Å. for a period of from approximately one-half to five minutes, removing the light from the eye for a period of from about one-half to one minute, and continuing said alternate periods of exposure and non-exposure for a period of approximately one-fourth to three-quarters of an hour daily.

2,098,991
MAGNETIC ANALYSIS
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, a corporation of New York
Application April 23, 1936, Serial No. 75,945
8 Claims. (Cl. 175—183)

1. In a magnetic analysis apparatus the combination which comprises an exciter coil disposable in inductive relationship with a magnetizable body, means for energizing the exciter coil with an alternating current, a secondary coil disposed in inductive relationship with the exciter coil and connected to a circuit containing an adjustable phase shifter and means for introducing into the circuit a plurality of auxiliary alternating potentials of the same frequency as that supplied to the exciter coil but displaced from each other by substantially constant phase angles, and means for determining changes of



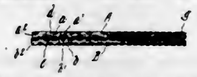
phase and amplitude of an alternating potential in said circuit.

2,098,992
PACKING
Joseph M. Bandish, Chicago, Ill.
Application January 14, 1935, Serial No. 1,658
4 Claims. (Cl. 288—1)



1. A packing having a substantially flat inner edge portion, a bore in said packing along said edge portion, and a hollow tube in said bore having a plurality of apertures in the side walls thereof, a number of said apertures being adapted to communicate with the interior of said packing, there being a slit in said packing between said bore and said inner edge, some of said apertures being adapted to communicate with said slit.

2,098,993
ASBESTOS FILLED DRIER FELT
William A. Barrell, North Andover, Mass., assignor to Lawrence Duck Company, Lawrence, Mass., a corporation of Massachusetts
Application August 15, 1935, Serial No. 36,291
8 Claims. (Cl. 139—426)

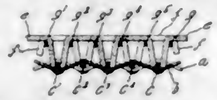


1. A drier felt comprising two plies of interwoven nonasbestos warp and asbestos filling, and binder warp strands crossing picks of the filling alternately in both plies, the asbestos of the filling being exposed between adjacent warp strands on both faces of both plies and parts of the filling strands in both plies being in contact forming substantially continuous absorbent wicks through both plies.

2,098,994
ASBESTOS-FACED DRIER FELT
William A. Barrell, North Andover, Mass., assignor to Lawrence Duck Company, Lawrence, Mass., a corporation of Massachusetts
Application August 15, 1935, Serial No. 36,292
7 Claims. (Cl. 139—426)

1. An asbestos-faced drier felt consisting of a woven body structure of non-asbestos fiber and cover strands consisting of a central body of loosely twisted asbestos fiber and an enclosing

cage of fine threads interconnected with an open mesh, said cover strands extending side by side



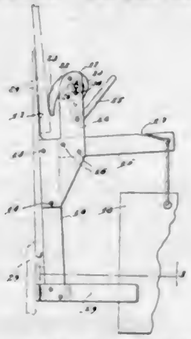
over one face of the body structure and being connected therewith.

2,098,995
ASBESTOS TEXTILE YARN
William A. Barrell, North Andover, Mass., assignor to Lawrence Duck Company, Lawrence, Mass., a corporation of Massachusetts
Application July 8, 1936, Serial No. 89,514
6 Claims. (Cl. 96—26)



1. A composite asbestos yarn adapted for weaving consisting of an elongated body of asbestos fibers and a confining cage of strands smaller in diameter than the body extending around the body in two sets of helices of relatively opposite pitch, interbraided together, and spaced apart so as to leave openings of substantial width but of smaller dimensions than the length of the asbestos fibers.

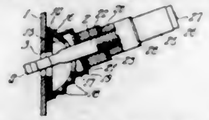
2,098,996
HANGER
Herman C. Blake, Hyde Park, Mass., and Samuel Blake, Richmond, Maine
Application October 27, 1936, Serial No. 107,858
4 Claims. (Cl. 248—218)



1. An improved hanger comprising in combination, a frame, a flat blade attached to said frame adapted to be inserted under a shingle or the like, a toothed jaw member pivoted in said frame, the toothed portion of said jaw member being oppositely opposed to said flat blade, a spring member located in said frame and engaging against the under side of said toothed member, a trigger pivoted in said frame and being adapted to engage the rear portion of said jaw member for the purpose of compressing the under side of the front portion of said jaw member against said spring member.

2,098,997
STUD
Carl Bramming, Gary, Ind., assignor to The Anderson Company, Gary, Ind., a corporation of Indiana
Application October 28, 1935, Serial No. 47,117
6 Claims. (Cl. 248—239)

1. In a supporting stud, the combination of a shank portion having a head adjacent one end thereof constructed to be insertable through a substantially circular aperture formed in a plate and engageable with the opposite side of said plate adjacent said aperture and at opposite sides thereof, said shank portion being adjustable angularly with respect to said plate, a spherically-

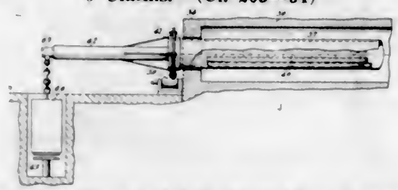


shaped washer surrounding said shank portion at the opposite side of said plate from said head, and means operatively related to said shank portion and washer for securing the stud in fixed relation at various angles of adjustment with respect to said plate.

2,098,998
RATION
William Henry Brinton, near Coatesville, Pa.
No Drawing. Application November 3, 1933, Serial No. 696,537
3 Claims. (Cl. 99—1)

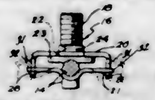
1. A food ration including feeding oil and feeding bone meal with artificial iodization of the meal.

2,098,999
FURNACE
Roger Stuart Brown, Upper Montclair, N. J., assignor of one-half to Bertram J. Sayles, Pittsburgh, Pa.
Application December 21, 1935, Serial No. 55,639
6 Claims. (Cl. 263—34)



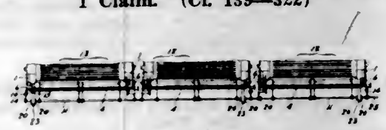
1. In a furnace, a tubular retort, bearings supporting the retort for rotation, a shaft extending axially from at least one end of the retort, and a counterweight suspended therefrom.

2,099,000
SWIVEL HARP FIXTURE
Edward W. Carpenter, Fairfield, Conn., assignor to The E. W. Carpenter Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application August 4, 1936, Serial No. 94,186
5 Claims. (Cl. 240—148)



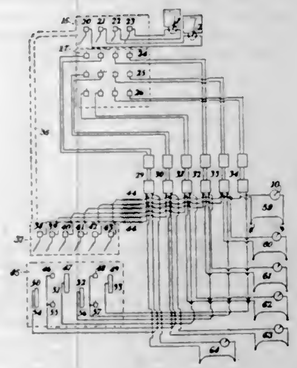
1. In a swivel harp fixture for a lamp, a harp frame, and a shade support mounted to swivel on said frame comprising a plate at one side of a portion of said frame, a shade securing stud carried by and extending through said plate and provided with a shoulder at the inner side of the plate, the inner end of the stud being provided with a transverse groove in which the frame is seated, a spring plate on the opposite side of the frame from the first plate, and means securing the spring plate to the first plate and tensioning said spring plate to clamp the stud and this latter plate on opposite sides of the frame.

2,099,001
MULTIPLE-JACQUARD MOTION
Marice Childs, Philadelphia, Pa., assignor to George T. Downs, Philadelphia, Pa.
Application April 12, 1935, Serial No. 15,959
1 Claim. (Cl. 139—322)



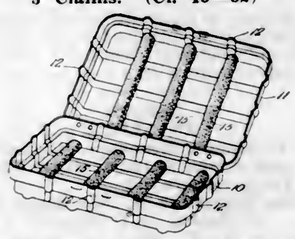
In combination with a battery of Jacquard loom card cylinders and their steadier brackets, said brackets having flanges thereon, sprockets on the ends of the card cylinders, a shaft parallel with the longitudinal axes of the card cylinders, brackets consisting of longitudinally adjustable sections, one section of each bracket being connected for vertical adjustment on said flanges, the other sections of said brackets having adjustable eccentric bushings in their outer ends providing bearings for the shaft, means for holding the bushings in various positions of adjustment, sprockets fixed to the shaft and aligned with the sprockets of the cylinders, driving belts trained around the aligned sprockets, and means for rotating the shaft, as and for the purpose set forth.

2,099,002
ELECTRICAL MEASURING SYSTEM
William Gordon Crocker, Kent, England, assignor to Callender's Cable and Construction Company, Limited, London, England, a British company
Application March 11, 1935, Serial No. 10,540
In Great Britain March 20, 1934
1 Claim. (Cl. 171—95)



In an apparatus for electrically measuring the value of the electrical commodity in several electrical circuits which can be switched singly and temporarily into connection with a main measuring instrument, the combination with the switching means of an additional measuring instrument in each of said circuits, several impedances, each equal to the impedance of the main instrument, and means operatively associated with said switching means for connecting separately with each of said circuits one of the said impedances while each of said circuits is disconnected from the main instrument.

2,099,003
TACKLE BOX
William J. De Witt and Paul A. Ross, Auburn, N. Y., assignors to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 126,609
3 Claims. (Cl. 43—32)



1. A tackle box comprising a base and cover, having, in the bottom wall of the base and top wall of the cover, corrugations which form transversely extending grooves and bars mounted in said grooves, said bars being adapted to engage the hooks of flies and hold them in position.

2,099,004
MANUFACTURE OF MATERIALS CONTAINING PIGMENTS
Henry Dreyfus, London, England
No Drawing. Application June 17, 1933, Serial No. 676,336. In Great Britain July 4, 1932
11 Claims. (Cl. 106—40)

9. A spinning solution for the manufacture of artificial filaments, threads, yarns, ribbons, films and like materials by dry spinning processes which comprises cellulose acetate, a volatile organic solvent therefor and fine particles of an inorganic pigment which has been heated at 200 to 500° C. under a pressure of less than 50 cms. of mercury.

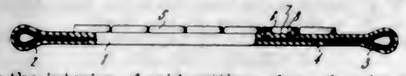
2,099,005
PRODUCTION OR TREATMENT OF ARTIFICIAL FILAMENTS, THREADS, YARNS, RIBBONS, AND THE LIKE
Henry Dreyfus, London, England
No Drawing. Application June 17, 1933, Serial No. 676,337. In Great Britain July 19, 1932
10 Claims. (Cl. 8—20)

1. In a process for the treatment of formed artificial filaments, yarns, threads, ribbons, foils, films and like products comprising organic derivatives of cellulose, the steps of softening said materials by the action of a liquid medium containing a non-solvent for the cellulose derivative and a high concentration of a volatile solvent therefor, in the presence of a low concentration of a less volatile solvent for the cellulose derivative having a lower vapor pressure than that of the non-solvent employed and subjecting the softened material to a stretching operation.

2,099,006
TIRE ANTISKID DEVICE
Ernst Eger, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application June 11, 1936, Serial No. 84,649
3 Claims. (Cl. 152—14)

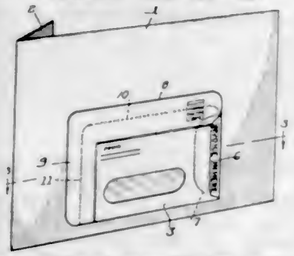
1. An antiskid unit comprising a cup-shaped metallic member presenting a cutting edge to a road surface, an external rubber composition covering for the member bonded thereto, said covering being externally unconfined near said cutting edge to permit the rubber composition adjacent to said edge to move relatively thereto,

and a body of bonded rubber composition disposed internally of and incompletely filling the member and forming a thin internally unconfined covering



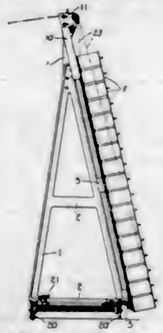
for the interior of said cutting edge, whereby the rubber composition adjacent to said edge may be distorted sufficiently to permit the edge to have a cutting engagement with a road surface.

2,099,007
ENVELOPE
Charles F. Elmore, Evanston, Ill., assignor, by direct and mesne assignments, to Pilot Letter Label Co., a corporation
Application September 23, 1935, Serial No. 41,680
8 Claims. (Cl. 229—72)



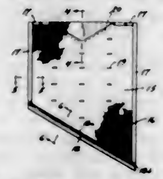
1. As an article of manufacture, means in the form of a paper label or paster having two walls forming between them a relatively small compartment in fixed position on the outside surface of an envelope, or of a box or package, having a plurality of gummed single thickness edge portions for pasting to said surface outside the area of said compartment, either before or after the label or paster is filled and closed, and a single entrance only for a letter or other enclosure, at one edge of said compartment, with a single thickness closing flap integral with one edge of the inner wall of said compartment and extending in open position at the back of the enclosure while the latter is being inserted back of the front wall of said compartment through said entrance.

2,099,008
CREEL FOR ARTIFICIAL YARNS
William John Elvin, Ralph Herman Balch, and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application October 3, 1934, Serial No. 746,654
3 Claims. (Cl. 242—131)



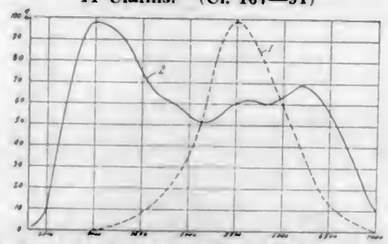
3. In a device for warping yarns formed of an artificial material, the combination with a bank of spindles in parallel relationship adapted to rotatably support a plurality of packages, of rotatable means positioned above the bank for directing yarns drawn from the packages directly to a point in a line, which line is in a plane drawn through the centers of the packages, and brackets for adjustably supporting the rotatable means.

2,099,009
HUMIDIFYING SYSTEM AND APPARATUS
Walter H. Finley and Charles H. Hamilton, Nashville, Tenn.
Application November 13, 1935, Serial No. 49,529
5 Claims. (Cl. 261—103)



1. A humidifying element adapted for use between spaced radiator surfaces, comprising a laminated body of absorbent material in sheet form, the sheets of which are adapted to be spread apart at one edge of the body to provide a water pocket, and a reinforcing metal retainer for the body, having a multiplicity of vapor discharge openings.

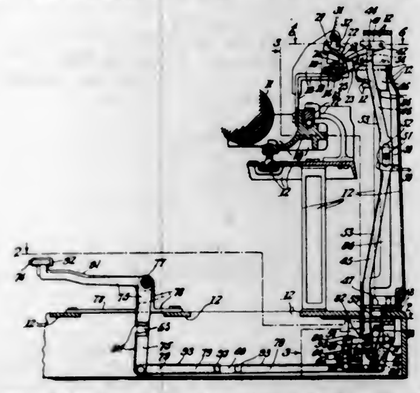
2,099,010
PHOTOGRAPHIC MAKE-UP
Max Firestein, Beverly Hills, and Steven Ferentzy, Los Angeles, Calif., assignors to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware
Application June 8, 1936, Serial No. 84,068
11 Claims. (Cl. 167—91)



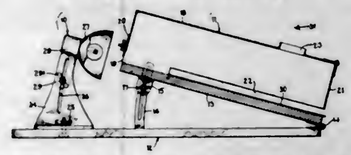
2. A cosmetic preparation of the character described and adapted for use on humans to be photographed on panchromatic type emulsions; said cosmetic containing white and colored pigments in quantity and proportion sufficient to impart to said cosmetic a high reflection coefficient to wave lengths of about 6200 to 6500 Å. and lower coefficients to shorter wave lengths of light, the reflection coefficient to wave lengths within the range 4000 to 4500 Å. being 45% to 75% of the reflection coefficient to wave lengths within the range 6200 to 6500 Å.

2,099,011
TYPEWRITING MACHINE
Carl Gabrielson and Charles Waucquez, Syracuse, N. Y., assignors to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application May 11, 1936, Serial No. 79,028
13 Claims. (Cl. 197—179)

2. A typewriting machine having a tabulating mechanism comprising a series of traveling columns stops each comprising a toothed sector and pivoted to rock independently of all the others about an axis parallel to the path of travel of the series of stops into inoperatively and operatively set positions, a non-traveling stop setter pivoted to rock about an axis parallel to the path of travel of the series of stops and normally urged into an idle position in which the stops are successively registrable therewith, whether operatively or inoperatively set, with said setter extending into a given tooth space of the registered stop which is the same for all stops, said stop setter when shifted in different directions from idle position and returned thereto being adapted to set a stop registered therewith in different ones of its set positions and leave it there.



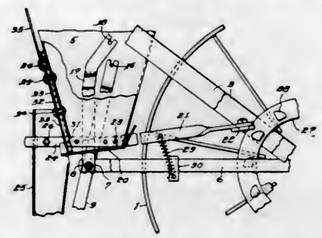
2,099,012
OPTICAL TESTING
Albert S. Goodrich and Charles R. Tait, Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania
Application May 29, 1935, Serial No. 24,042
9 Claims. (Cl. 88—14)



1. Apparatus for inspecting material having a relatively flat surface comprising, supporting means for said material, means for directing light in only one direction along said surface and substantially parallel thereto, means for varying the angle at which the light strikes said surface, and means for shielding said surface from other light sources but enabling said surface to be observed in a direction transverse to said light.

2,099,013
FERTILIZER DISTRIBUTOR
Charles Wellington Haagen, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application September 23, 1936, Serial No. 102,117
6 Claims. (Cl. 111—76)

1. The combination with a fertilizer distributor comprising a ground wheel, a hopper open at its bottom and having a discharge opening adjacent the lower end of its rear wall, a horizontally pivoted agitating pan underlying the end of the hopper, and means cooperative with the ground wheel normally operative to oscillate the pan about its pivot when the wheel is turned in a predetermined direction, of a gate slidable against the rear wall of the hopper toward and away from the pan, an operating lever pivoted to said wall for movement from one limit position to another, and a link interposed between the gate

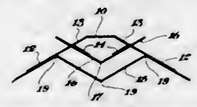


and lever and adjustable on the latter relatively to its pivot to determine the position of the lower edge of the gate with respect to the discharge opening when the lever is in one of said positions, the gate in any adjusted position of the link being adapted to depress the pan through a predetermined arc when the lever is thrown to its other limit position to thereby move the pan oscillating means out of cooperative relation with the ground wheel and to close the opening.

2,099,014
METHOD OF PRODUCING VANILLIN FROM WASTE SULPHITE LIQUOR
Raymond S. Hatch, Longview, Wash., assignor to Weyerhaeuser Timber Company, Tacoma, Wash., a corporation of Washington
No Drawing. Application June 27, 1936, Serial No. 87,809
6 Claims. (Cl. 260—137)

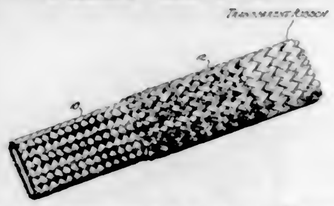
1. The process of producing vanillin from waste sulphite liquor which comprises adding to the liquor an alkaline agent in an amount sufficient to afford at the conclusion of the reaction a pH of about 13, and heating the mixture to a temperature of from 180° C. to 220° C. for a period not exceeding thirty minutes.

2,099,015
CARDBOARD DISPLAY DEVICE
John V. Horr, Hastings-on-Hudson, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application December 30, 1936, Serial No. 118,193
19 Claims. (Cl. 40—126)



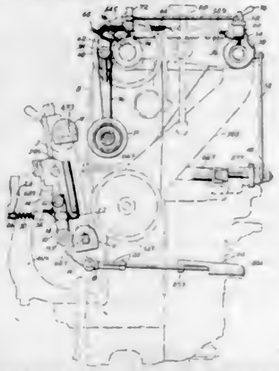
1. In a cardboard display device of the character described, a series of successively longer display cards each of which comprises hinged sections arranged side-by-side in zigzag relation, said cards being arranged in superposed stepped tiers with each card above the next longer one, and a backing for interconnecting and supporting said cards as a collapsible unit, each section depicting a commodity such as a bottle and the unit thus simulating a pyramidal stack of said commodities.

2,099,016
COMPOSITE STRAND
Donald M. Houghton, Newton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 2, 1935, Serial No. 34,406
2 Claims. (Cl. 96—25)



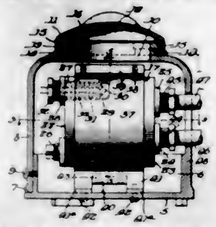
1. A strand comprising a plurality of telescoped tubular braids, the outer braid being transparent.

2,099,017
MACHINE FOR OPERATING UPON SHOE PARTS
Cyril Harry James and William Isaac Bacon, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 11, 1935, Serial No. 10,360
In Great Britain March 22, 1934
13 Claims. (Cl. 51—145)



1. A machine for operating on heels and like articles, comprising an operating tool, a work holder, a support for said work holder, a pivotal mounting for said support constructed and arranged for tilting movement about one axis to enable said work holder to swing toward and from said operating tool and about another axis extending transversely of the first-mentioned axis to enable said work holder to assume varying angular aspects of presentation with respect to said operating tool, an abutment, means on said support engageable with said abutment to control the angular position of said support about both of said axes, and resilient means tending to urge said support into a position wherein a work piece in said work holder engages the operating tool and wherein said position-controlling means engages said abutment, said abutment being movable to cause said support to move about the first-mentioned axis in opposition to said resilient means into a position wherein the work piece is remote from the operating tool to facilitate replacement of the work piece, said abutment and said means engageable therewith serving to control the angular position of the support about the second-mentioned axis upon movement of the support into operating position under the influence of said resilient means, whereby the replaced work piece is presented to the operating tool in controlled angular position.

2,099,018
FLUID HEATER
John F. Kennedy, Evanston, Ill.
Application May 14, 1934, Serial No. 725,423
19 Claims. (Cl. 219—39)



1. In a fluid heater, a heat conducting shell or casing having concentric cylindrical walls joined by annular end walls and an interior longitudinal partition, forming a circuitous fluid passageway and provided with an inlet and an outlet, and a heating element surrounding said casing.

2,099,019
PIGMENTS AND METHODS OF MAKING SAME
Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 2, 1934, Serial No. 723,504
6 Claims. (Cl. 134—58)

6. In the method of making a pigment containing zirconium, the step which consists in adding to a base pigment a solution of zirconium containing acid-soluble compounds of silicon and soluble salts of a metal in the group consisting of barium, sodium and potassium, and also containing a readily water-soluble organic compound selected from the group consisting of tartaric acid, citric acid and sodium zirconium tartrate, and effecting a precipitation therefrom of the zirconium and silicon compounds on the particles of the base pigment.

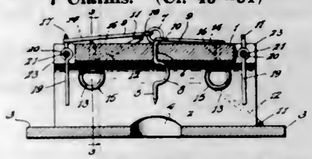
2,099,020
WIREMOLD LUMILINE REFLECTOR
Arthur O. La Ducer, Hartford, Conn., assignor to The Wiremold Company, Hartford, Conn., a corporation of Connecticut
Application December 24, 1935, Serial No. 55,956
7 Claims. (Cl. 240—6)



1. The combination of a plurality of line lamps arranged in line with each other, sockets for said lamps, a series of elongated reflector members of curved cross-section arranged in line with each other and with their longitudinal axes parallel to the axes of the lamps, the ends of said reflector members having a series of twist-outs removable

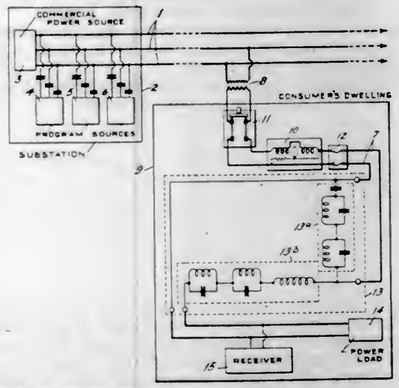
to accommodate said lamp sockets with the reflector members mounted in any one of a plurality of angular positions, and means for holding the reflectors in place with their ends in substantial contact at any one of a plurality of angular positions.

2,099,021
RODENT TRAP
George M. Landes, Webb City, Mo.
Application February 24, 1936, Serial No. 65,500
7 Claims. (Cl. 43—81)



1. A trap comprising a housing having a longitudinally extending passage opening through its ends and an opening in its bottom intermediate the length of the passage, a bait holder in said passage over the lower opening having a mounting portion extending upwardly through the top of the housing and being formed with an eye, jaw retainers carried by said eye, jaws carried by said housing and movable from a lowered position about the ends of the housing to a raised position over the top of the housing, the jaws being yieldably held against upward movement, and triggers carried by said housing adjacent the ends of the passages with portions disposed over the housing for engaging the free end portions of the jaw retaining elements and other portions extending downwardly into the passage and adapted to be engaged by animals entering the passage and moving the triggers to release the jaw retainers.

2,099,022
TRANSMISSION SYSTEM
Irwin B. Levine, New York, N. Y., assignor to Wired Radio, Inc., New York, N. Y., a corporation of New York
Application March 7, 1936, Serial No. 67,630
1 Claim. (Cl. 179—2.5)

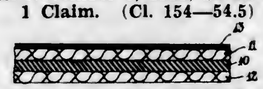


A transmission system comprising, a commercial power distribution network, a consumer's circuit connected to said network and including a power load and a wired radio receiver, means for impressing program modulated carrier frequency energy upon said network, said network, in combination with said consumer's load operating to produce a gradient attenuation of said carrier frequency energy, a transducing network connected in said consumer's circuit for permitting the passage therethrough of said commercial power while effecting a transducing operation to compensate for said attenuation gradient to effect an increased signal power level of uniform characteristics at said consumer's receiver.

2,099,023
FLUORESCENT SUBSTANCES
Leonard Angelo Levy and Donald Willoughby West, London, England, assignors of one-half to Ilford Limited, Ilford, Essex, England, a British company
No Drawing. Application June 28, 1934, Serial No. 732,828. In Great Britain July 11, 1933
4 Claims. (Cl. 250—34)

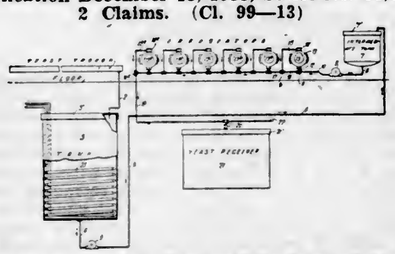
1. A fluorescent screen for X-ray purposes made up from fluorescent material free from undesirable after-phosphorescence and the retention of latent image and containing fluorescent zinc sulphide obtained by precipitation in a high degree of purity as the essential fluorescent component and a proportion of not more than one part of nickel in five hundred thousand parts of zinc sulphide as the component which acts to eliminate the after-phosphorescence and retention of latent image.

2,099,024
DRAW SHEET FOR ROTARY PRINTING PRESSES
Robert R. Lewis, Baldwin, N. Y., assignor to Vulcan Proofing Company, New York, N. Y., a corporation of New York
Application November 8, 1933, Serial No. 697,101
1 Claim. (Cl. 154—54.5)



A draw sheet comprising fabric layers having an intermediate resilient layer which connects said fabric layers, one of said fabric layers having an oil-repellent coating which serves to protect said resilient layer as well as the blanket over which the draw sheet fits, the thickness of said draw sheet not substantially exceeding .030 inch.

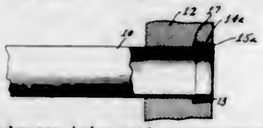
2,099,025
PROCESS FOR TREATING LIQUID YEAST
Robert F. Light, Mount Vernon, Charles N. Frey, Scarsdale, and Gerhardt J. Patitz, Peekskill, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application December 13, 1935, Serial No. 54,222
2 Claims. (Cl. 99—13)



2. A process for the manufacture of yeast which comprises separating live yeast as a suspension having a yeast concentration of 30 to

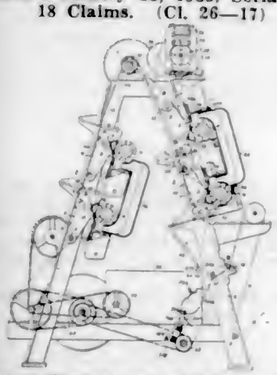
50% from liquid in which it was propagated, cooling, subjecting the live yeast in the form of discrete particles in liquid suspension containing liquid in which it was grown and at a temperature not exceeding 16° C. to the influence of ultra-violet rays of the range 2300–4000 A. U. in a closed system in the substantial absence of oxygen and at a rate of about 6 gallons per minute, agitating while under the influence of said rays whereby yeast cells of uniform potency are obtained, and subsequently forming into pressed yeast.

2,099,026
CONDENSER TUBE SEAL
Orville Markel, Chicago, William H. Phillips, Oak Park, and Joseph M. Bandish, Chicago, Ill.
Application May 15, 1936, Serial No. 79,876
4 Claims. (Cl. 285—56)



1. A condenser tube seal comprising in combination with tubes and tube sheets, the latter having counterbored apertures to receive the ends of the tubes, bushings expansible into the counterbores of the tube sheet apertures, said bushings having inclined channels therein into which the tube ends are adapted to be flared by forcing the bushings over the tube ends.

2,099,027
FABRIC SHEARING MACHINE
George H. Mason, Glen Rock, and John S. Shand, Paterson, N. J., and Clarence N. Johnson, New Brighton, N. Y., assignors to Hermas Machine Company, Hawthorne, N. J., a corporation of New Jersey
Application February 18, 1935, Serial No. 6,960
18 Claims. (Cl. 26—17)



5. In a cloth-shearing machine, the combination, with supporting structure and a shearing unit and a cloth-rest unit arranged therein, of means to move one of said units from and toward the other including a reversible motor having the driven part thereof forming with the latter unit a driven system, a normally retracted switch movable to one position to direct energy to the motor for driving its driven element forward and to another position for driving said element reversely, means, controlled from the moving cloth, to move the switch to and hold it in the first position and then move it to and hold it in the second position, and means, actuated by said system between and after said movements of the switch, to cause the second-named means to release the switch.

2,099,028
FINGER PRINT POWDER
Justin J. McCarthy, Boston, Mass.
No Drawing. Original application March 14, 1935, Serial No. 11,105. Patent No. 2,028,619, dated January 21, 1936. Divided and this application November 29, 1935, Serial No. 52,070
6 Claims. (Cl. 134—38)

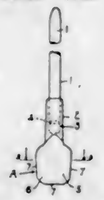
4. A finger print powder comprising hydroquinone, and a water soluble gum, the said hydroquinone exceeding the said water soluble gum in said powder by weight.

2,099,029
TAG
Edgar J. McKay, Short Hills, N. J.
Application October 8, 1936, Serial No. 104,569
5 Claims. (Cl. 229—74)



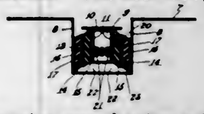
1. A tag of the character described having a body portion, a section at one end integral therewith, and substantially wider than said body portion, said section being folded backwardly about the bottom edge of the body portion and inwardly along lines oblique to the bottom edge whereby a pocket is formed by said folded section.

2,099,030
METHOD OF APPLYING PAINT
Charles C. Morrison, Easton, Pa., assignor to Binney and Smith Co., New York, N. Y., a corporation of New Jersey
Application April 10, 1935, Serial No. 15,552
4 Claims. (Cl. 41—26)



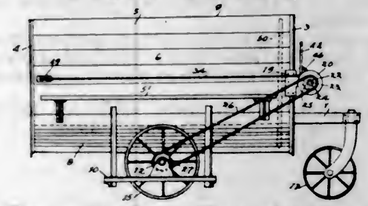
3. A method of producing artists' pictures from plastic paint or similar material, said method including producing artists' picture elements by drawing a small non-running mass of the plastic paint along a path on a picture receiving surface with brush like strokes, while exerting upon the upper face of the mass a firm yielding pressure throughout a continuous area of said face and across the path of the mass while maintaining the mass at said smooth area entirely beneath the face; said pressure at closely adjacent points being substantially independently firmly elastic and substantially continuous across said path, the pressure being longitudinally extended along spaced parallel intra-marginal longitudinal line portions of the path being sufficiently firm to squeeze the material to form a thin layer of desired thickness at said line portions, the pressure between said line portions being also longitudinally extended, and forming parallel longitudinal ridges of paint thicker than at said line portions.

2,099,031
RESILIENT SUPPORT
John F. Neal and Walter M. Haessler, St. Louis, Mo.
Application January 7, 1935, Serial No. 679
3 Claims. (Cl. 105—197)



1. Vehicle running gear having a transom and a bolster with a pair of resilient devices interposed between the bolster and the transom for resisting vertical, lateral and longitudinal stresses and means for applying a variable compression to said devices.

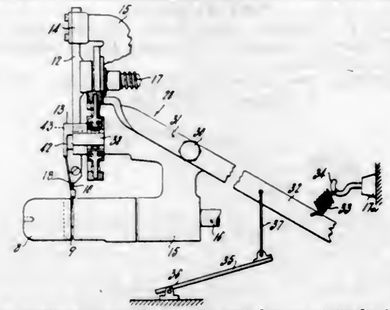
2,099,032
AGRICULTURAL IMPLEMENT
Philip Penn, Winnipeg, Manitoba, Canada, assignor to Lion Agricultural Implements Limited, Winnipeg, Manitoba, Canada
Application February 29, 1936, Serial No. 66,427
5 Claims. (Cl. 214—82)



1. The combination with a wheeled vehicle embodying a load receiving receptacle, of a vertically disposed transversely extending ejector mounted in the receptacle for fore and aft movement, pairs of clutch controlled winding drums connected by suitable flexible cables to the front and rear sides of the ejector, one pair of drums operating to wind their cables as the remaining pair unwind and means for selectively driving selected drums of the pairs, said means deriving its power from the movement of the vehicle over the field.

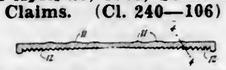
2,099,033
TRIMMING MACHINE KNIFE GUARD SUPPORTING AND OPERATING MECHANISM
Herbert R. Polleys, New Haven, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application November 13, 1935, Serial No. 49,548
5 Claims. (Cl. 12—51)

1. In a rubber shoe trimming machine, a mechanism for operating a knife guard, comprising a movable support secured to said guard, means for normally resiliently holding said guard in a predetermined relation with the surface of the work; means for moving said guard in opposition to said resilient holding means and adjustable



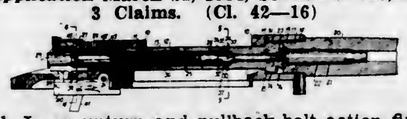
stops acting upon said support for positively limiting the movement of said guard toward and away from said work.

2,099,034
REFRACTOR
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application April 25, 1935, Serial No. 18,086
8 Claims. (Cl. 240—106)



1. A refractor for altering the divergence of light rays, said refractor having a substantially continuous surface on the light incident side and a series of parallel prisms on the opposite side, the light incident side having comparatively small, spaced apart areas departing from the otherwise continuous surface, said areas being elongated in directions transverse of the opposed prisms and of curved cross section longitudinally and transversely for diverging light incident on each area in directions parallel with the minor axis of said area and without substantially affecting the converging of light rays by the opposed prisms in directions parallel with the major axis of said area.

2,099,035
UPTURN-AND-PULLBACK BOLT-ACTION FIREARM
Arthur A. Rowley, Hamden, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application March 21, 1934, Serial No. 716,588
3 Claims. (Cl. 42—16)



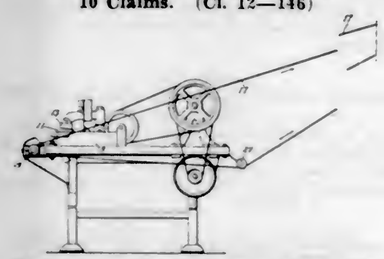
1. In an upturn-and-pullback bolt-action firearm, the combination with the bolt thereof; of a firing-plunger reciprocatable in said bolt and projectable from the rear end thereof; and two complementary interengaging safety-abutments, one of which is in the form of a transverse pin carried by and supported at each of its respective opposite ends in the said bolt and the other of which is of sloping form and carried by the said firing-plunger and positioned so as to interengage when and only when the said firing-plunger is moved rearwardly beyond its cocked position, to thereby guard against the rearward ejection of the said firing-plunger from the said bolt under the urge of a ruptured cartridge-primer.

2,099,036
POWER TRANSMITTING AND LUBRICATING MECHANISM
Daniel R. Scholes, Oak Park, Ill., assignor to Aermotor Company, Chicago, Ill., a corporation of Illinois
Application December 29, 1933, Serial No. 704,428
3 Claims. (Cl. 184—4)



1. In mechanism of the class described, a hollow stationary member, a tubular member slidable longitudinally into said hollow stationary member, a bearing fixed in said tubular member near one end, a second bearing fixed in said tubular member near the other end and having a lateral opening therethrough, a longitudinal slot extending along the upper edge of the tubular member from one end to near the other, an oil collector socket fixed near one end of the hollow stationary member and having a head extending a slight distance into the interior thereof, said head being fitted into a depressed seat to hold its sides parallel with said slot, said head being of a width slightly less than that of the slot, whereby the tubular member with its bearings may be inserted longitudinally into the hollow stationary member with the sides of the slot moving by the sides of said head until the end of the slot strikes the head, the head insuring that the tubular member can be inserted in only one position and held against rotation.

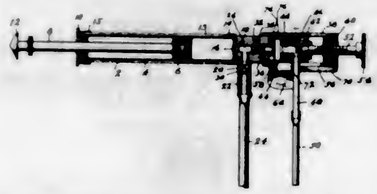
2,099,037
METHOD OF MAKING SHOE STIFFENERS
Bruno Ernst Schwarz, Barcelona, Spain, and Floyd Dudley Dean, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 16, 1934, Serial No. 715,960
In Great Britain March 23, 1933
10 Claims. (Cl. 12—146)



1. The method of preparing shoe stiffeners which comprises impregnating porous, absorbent blanks with a solution of a cellulosic stiffening substance containing more than 20% by weight of the substance and having a viscosity sufficiently low to permit it readily to permeate the blanks, and packing the stiffeners while soft and pliable in sealed containers ready to be removed and placed without further treatment in the uppers of boots and shoes.

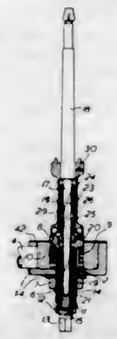
2,099,038
MILK TESTING DEVICE
John Rapp Shikles, Dearborn, Mo.
Application September 16, 1935, Serial No. 40,769
1 Claim. (Cl. 73—51)

A device of the character described comprising a pump having an inlet and discharge opening at one end, a stationary clamp member connected to said pump and provided with an inlet nipple extending at right angles thereto, said clamp member and nipple having a duct extending therethrough and communicating with the inlet and discharge opening in the pump, an inlet valve in the nipple and a discharge valve in the clamp member, a movable clamp member having a discharge nozzle extending at right angles thereto and a duct communicating with said nozzle and the discharge end of the first-mentioned



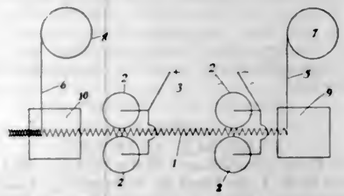
duct, respective tubes depending from the nipple and the nozzle, a tubular holder connected at one end to the stationary clamp member and in which the movable clamp member is slidably mounted, said tubular holder having a longitudinal slot through which the discharge nozzle projects, and an element threaded in the other end of the tubular member and adapted to adjust the movable clamp member longitudinally and thereby clamp or release a filter strip extending between the clamp members.

2,099,039
LUBRICATION OF TWISTING SPINDLES USED IN YARN AND LIKE WINDING MACHINERY
William Ivan Taylor and Alfred Herbert Woodruff, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application June 18, 1936, Serial No. 85,950
In Great Britain July 2, 1935
6 Claims. (Cl. 184—104)



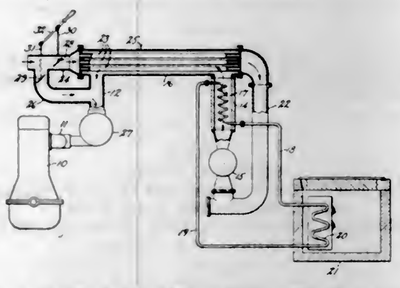
1. Yarn or like twisting device comprising a channel rail, a spindle bolster, a shoulder on the bolster, a perforated tubular member surrounding and spaced from the bolster beneath the shoulder to provide a support for the bolster in the channel, a recess for spindle lubricant within the bolster, and means in the rail for providing for the passage of cooling medium into and out of the channel.

2,099,040
MANUFACTURE OF METALLIC TUBING
Rene Tondeur, London, England
Application July 26, 1935, Serial No. 33,287
In Great Britain July 30, 1934
8 Claims. (Cl. 29—156)



1. Process for the production of flexible tubing composed of multiple interwound coils, which consists in coiling or winding a leading wire while this is in a soft condition, then heat-treating and hardening the wire to the desired degree of hardness, and then introducing between the windings of the leading wire or wires an already tempered following wire or wires.

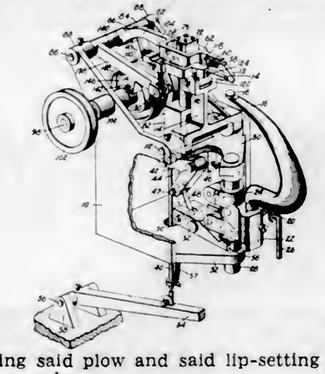
2,099,041
REFRIGERATION
Hugo M. Ulistrand, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 9, 1936, Serial No. 89,706
5 Claims. (Cl. 62—139)



1. A method of refrigeration with the aid of an internal combustion engine which consists in producing a region of pressure lower than that obtainable by the suction action of said engine, introducing liquid fuel and air into said region, vaporizing said fuel in the presence of said air to form a gaseous mixture, supplying heat for vaporizing said fuel from a body to be cooled, cooling air before introduction into said region by heat transfer to said mixture, adding additional air to said gaseous mixture after such heat transfer to form a suitable combustible mixture, increasing the pressure of said combustible mixture, and introducing said combustible mixture at an increased pressure into said engine.

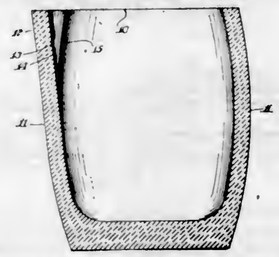
2,099,042
LIP TURNING MACHINE
John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 7, 1936, Serial No. 73,125
8 Claims. (Cl. 12—30)

1. A channel opening machine comprising a horn adapted to support internally the sole of a shoe, a plow for raising a channel lip formed on the sole, a tool for setting the lip, and means for



operating said plow and said lip-setting tool to feed the work.

2,099,043
CRUCIBLE
Raymond R. Wicklein, Roselle, N. J.
Application August 3, 1936, Serial No. 93,970
5 Claims. (Cl. 263—48)

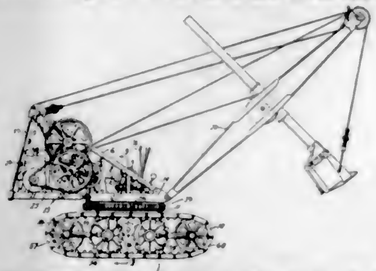


1. A crucible having the wall thereof curved from the rim portion to the bottom with the widest portion approximately midway therebetween and provided on one side wall thereof with an outwardly projecting pouring channel extending in a substantially straight line tangential to the curvature of the side wall.

2,099,044
PROPELLING AND STEERING MECHANISMS FOR TRUCKS AND THE LIKE
Emery J. Wilson, Cleveland, Ohio, assignor to Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Original application April 12, 1934, Serial No. 720,278. Divided and this application May 8, 1936, Serial No. 78,678
5 Claims. (Cl. 180—9.2)

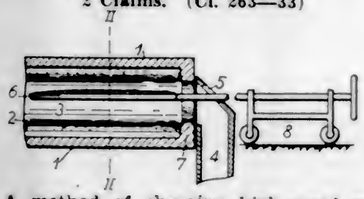
1. In a vehicle of the class described, a power delivery shaft, a pair of propelling shafts axially aligned with the power shaft, a pair of clutches each including a slideable clutch element adapted in a first position to rotatably interlock its associated propelling shaft and power delivery shaft and in a second position to disengage said shafts, a pair of rock shafts each adapted to effect movement of a slideable clutch element, a manually operable lever having a central position and lateral positions on either side thereof, a pair of link means each connecting a rock shaft and the lever, each link means including a spring compressible by lever movement

from a central to a lateral position to effect disengagement of its associated propelling shaft from the power delivery shaft, tension means interconnecting each rock shaft and lever opposing



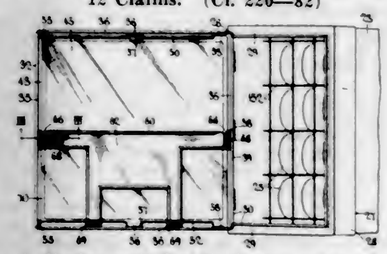
spring compressing force on the rock shaft to effect engagement of the disengaged propelling shaft with the power delivery shaft upon return of the lever to the central position.

2,099,045
METHOD FOR CHARGING HIGH SPEED ROTARY FURNACES
Georg Zotos, Berlin, Germany
Application April 15, 1936, Serial No. 74,514
In Germany April 23, 1935
2 Claims. (Cl. 263—33)



1. A method of charging high-speed rotary smelting furnaces wherein the molten material is maintained by centrifugal action as a hollow revolving cylinder, consisting in forming on a charger an elongated heap of raw material, introducing said charger into the furnace with the heap substantially parallel to the axis of the latter, and manipulating the charger so as to deposit the heap in its elongated form on the inner surface and at the descending side of said revolving cylinder.

2,099,046
DISPLAY COVER STRUCTURE
Charles W. Boston, Kenmore, N. Y.
Application January 21, 1935, Serial No. 2,809
12 Claims. (Cl. 220—82)



1. A display unit for displaying trays of merchandise comprising an upright frame section adapted to be mounted upon an open end of a merchandise container, a windowed display closure opening outwardly and forwardly from the frame section, and a frame like receptacle disposed in cooperation with the closure to form a tray receiving structure, said receptacle having opposite forwardly extending sides and also having a forwardly extending tray seating lower portion, said sides and upright side portions of the closure having releasable interlocking means normally holding the receptacle against either upward or rearward movement with respect to the upright frame sides, the tray seating lower portion being supported upon the lower portion of the closure.

2,099,047
FLEXIBLE ARTICLES
George Burt Bradshaw, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1936, Serial No. 86,358
11 Claims. (Cl. 91—68)

1. A method for producing flexible articles comprising treating a metallic base material for said articles with an interpolymer of a monomeric alpha-substituted acrylic acid ester with a different monomeric polymerizable compound of the general formula

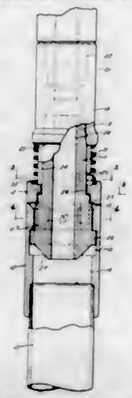
$$H_2C{=}C{-}R^1$$
$$\quad\quad|$$
$$\quad\quad R$$

where R is a member of the class consisting of hydrogen, halogen, alkyl, aryl, and aralkyl radicals, and R^1 is a member of the class consisting of aryl and a radical of the formula

$$-C{=}CH_2,\ -C{\equiv}N,\ -O{-}\overset{O}{\overset{\|}{C}}{-}R^{II},\ -\overset{O}{\overset{\|}{C}}{-}OR^{II},\ -\overset{O}{\overset{\|}{C}}{-}R^{II}$$
$$\quad\quad|$$
$$\quad\quad H$$

where R^{II} is a member of the class consisting of alkyl, alkoxy alkyl, aryl, aralkyl and hydroaromatic radicals.

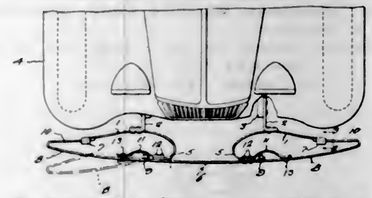
2,099,048
SETTING TOOL
Erwin Burns, Los Angeles, and Harry P. Wickersham, Huntington Park, Calif.
Application November 6, 1935, Serial No. 48,514
12 Claims. (Cl. 166—10)



1. A tool for releasably connecting a string with an object to be set in a well comprising an outer part having an opening, an inner part adapted to be received in the opening, one part being adapted to be connected with the string, the other part being adapted to be connected with the

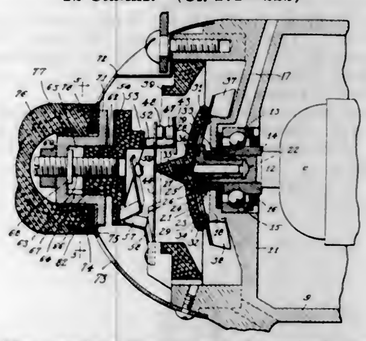
object, disengageable surfaces on the parts adapted to cooperate to transmit longitudinal forces between the parts, and a member shiftably carried by one part and releasably cooperating with the other part to transmit rotation between the parts and to releasably lock the surfaces against disengagement.

2,099,049
AUTOMOBILE BUMPER
Joseph Calabro, Everett, Mass.
Application November 28, 1936, Serial No. 113,249
2 Claims. (Cl. 293—55)



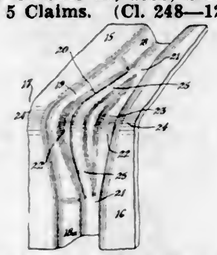
1. An automobile bumper comprising a pair of supporting members, means for attaching said supporting members to an automobile, a bar extending between said supporting members and secured thereto, substantially U-shaped guides on one end of the supporting members, end members hingedly connected, at one end, to the bar, the other ends of said end members being engageable in the guides, and springs connected to said end members for yieldingly urging the same into engagement with the guides.

2,099,050
SPEED CONTROL MECHANISM
Paul A. Chamberlain, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application June 19, 1934, Serial No. 731,317
12 Claims. (Cl. 171—222)



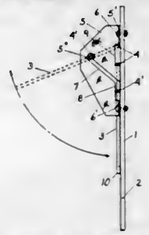
1. The combination in speed control mechanism for electric motors, of speed control mechanism comprising a centrifugal member carried on the motor shaft, a pair of contact points for closing the circuit through the motor, a ring of insulation material secured annularly on said motor, contact springs secured to said ring and lying wholly in spaced planes for carrying the contact points, one of the springs having greater tension than the other whereby to normally maintain the contact points closed upon adjustment of the first mentioned spring, means for translating lateral motion of the centrifugal member along the axis of rotation to the spring of lesser tension, and manually operable means acting on said spring of greater tension at a point remote from the axis of rotation for predetermining the position of the spring of greater tension whereby to predetermine the motor speed at which the contact points will be opened.

2,099,051
SKID PLATFORM
Carl L. Clark, Warren, and Albert G. Knowles, Niles, Ohio, assignors, by mesne assignments, to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application October 28, 1936, Serial No. 107,980
5 Claims. (Cl. 248—120)



1. In a sheet metal skid platform having a deck and legs with corners therebetween formed integrally from a single metal blank, a series of relatively deep corrugations traversing the deck and legs, and relatively shallow and wide corrugations in said corners merging with and joining said deck and leg corrugations.

2,099,052
TRAP NEST
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application April 20, 1936, Serial No. 75,367
7 Claims. (Cl. 119—49)

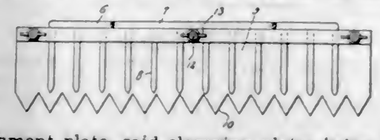


1. In a trap nest, the combination with a front plate having an entrance opening formed therein, of rearwardly extending brackets united to the plate on opposite sides of the opening, a trap door having upper and lower pivots united to the opposite ends thereof, and a vertical slot for the upper pivot and a combined vertical and oblique slot for the lower pivot formed in the brackets adapted to receive and guide the pivots and rests for the lower pivots near the upper ends of the oblique slots, adapted to support these pivots when the door is in raised or trapping position.

2,099,053
RAKE ATTACHMENT
Dan A. Donnan, Fennimore, Wis.
Application January 11, 1937, Serial No. 120,068
1 Claim. (Cl. 55—10)

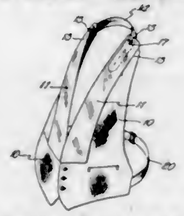
A lawn rake attachment embodying an oblong resilient plate transversely curved, said plate having an edge formed to lie against the teeth of the rake and provided with bolt holes, said plate

also having a second edge provided with V-shaped teeth, a clamping plate disposed facially against the flange of the attachment plate and a second clamping plate disposed facially against the tines at the side thereof opposite to the at-



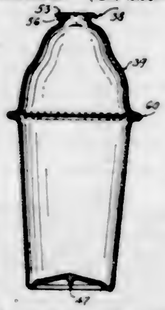
tachment plate, said clamping plates being provided with bolt holes alining with the first mentioned bolt holes, and bolts extending through the alined bolt holes equipped with nuts for positively securing the attachment in position.

2,099,054
VEST
Larry R. Engelson, New York, N. Y.
Application June 1, 1936, Serial No. 82,685
1 Claim. (Cl. 2—102)



A vest comprising two separate body sections, a lapel carried by each of said body sections, each of said lapels overlying a portion of its respective body section, a fastening element carried by each of said body sections, the fastening element carried by each of said body sections passing through an opening in the lapel carried thereby, and a removable neck strap for connecting said body sections together, said neck strap having a plurality of openings near each end thereof for engagement with the afore-mentioned fastening elements carried by the body sections with the ends of the neck strap lying between their respective body section and lapel.

2,099,055
FLEXIBLE BOTTLE
Enoch T. Ferngren, Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application December 3, 1930, Serial No. 499,771
Renewed March 31, 1937
18 Claims. (Cl. 229—3.5)



1. A bottle of cellulosic material comprising a lower portion with a conical smooth integral seamless outer surface to receive labels or the like and an upper smooth integral seamless portion of a generally conical shape but with a wavy outline and terminating in a mouth portion smaller than the body portion and having overturned curved portions around its mouth adapted to fit into a groove around the periphery of a stopper.

2,099,056
CONTAINER CLOSURE AND CAP
Enoch T. Ferngren, Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Application January 25, 1932, Serial No. 588,644
Renewed April 13, 1937
16 Claims. (Cl. 229—5.5)



1. A container having a flexible wall at its mouth portion, in combination with a sealing element having plural flexible walls shaped to press against opposite sides of the said wall of the container at points which are spaced a distance apart on the said flexible wall, the respective wall portions being so shaped with relation to one another that the pressure condition on one side of the container wall will act to reinforce said wall against the pressure condition at the spaced point on the other side of the said wall of the container, by which a sustaining pressure in opposite direction will be had between all the contact areas of the respective wall portion.

2,099,057
TWO PART CONTAINER CONSTRUCTION
Enoch T. Ferngren, Jackson Heights, Long Island, N. Y., assignor, by mesne assignments, to Plax Corporation, Hartford, Conn., a corporation of Delaware
Original application December 3, 1930, Serial No. 499,771. Divided and this application August 20, 1932, Serial No. 629,695. Renewed April 8, 1937
16 Claims. (Cl. 229—4.5)



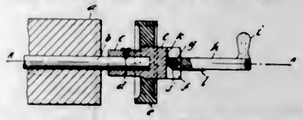
1. A bottle comprising upper and lower conical shaped portions made of thin flexible organic material, the two parts having their larger ends joined together by overlapping portions having depressions and interlocking parts composed of the thin organic material to stiffen the flexible thin portions and to facilitate handling.

2,099,058
INFLATABLE ARTICLE AND PROCESS OF PRODUCING THE SAME
Robert R. Frissell, Sandusky, Ohio, assignor to The Barr Rubber Products Company, Sandusky, Ohio, a corporation of Ohio
Application March 13, 1935, Serial No. 10,829
Renewed April 7, 1937
9 Claims. (Cl. 18—58)



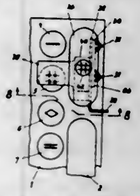
1. An inflatable article produced by dipping a form in a suitable solution, said article having an appendage with the appendage-forming portion of the form therein.

2,099,059
PLATEN-OPERATING MECHANISM
Albert Thomas Gardner, Streatham, London, England, assignor of one-half to Eric Ward Richardson, London, England
Application October 7, 1936, Serial No. 104,506
In Great Britain November 4, 1935
3 Claims. (Cl. 197—114)



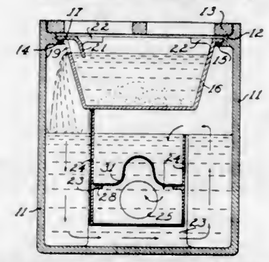
1. In a machine of the character described, a platen, a shaft carrying said platen, mechanism for operating said platen, comprising a lever, one end of said lever being pivotally connected to said platen shaft, a handle at the other end of said lever, said lever being normally held in a position along the axis of the platen shaft so that it does not interfere with the normal travel of the platen across the machine, the said lever being capable of being brought into a position for rotating said platen, said lever acting about the axis of said platen shaft.

2,099,060
CALCULATING MACHINE
Johannes Gebhardt, Schonau, near Chemnitz, Germany, assignor to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Schonau-Chemnitz, Germany
Application July 17, 1934, Serial No. 735,681
In Germany July 22, 1933
2 Claims. (Cl. 235—62)



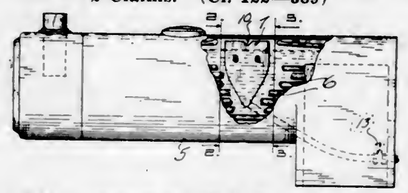
1. A motor driven calculating machine comprising calculating mechanism, a motor bar with a large handling head controlling the coupling of the motor drive with the calculating mechanism, control means normally operable by normal size handling heads serving to condition the calculating mechanism for operations other than addition, and an adjustable transmission member capable of being made operative and inoperative for selectively connecting said motor bar with at least one of the other control means, said member being slidably mounted on said motor bar, and means for indicating which of said controls is thus connected, said indicating means being shifted along with said transmission member.

2,099,061
WASTE TRAP
Arthur Gordon, Chicago, Ill.
Application July 20, 1935, Serial No. 32,351
Renewed April 3, 1937
4 Claims. (Cl. 182—9)



1. In a combination drain and waste trap having a main basin, an annular, inwardly extending flange forming a part of said basin, and a removable member having a circumferential flange adapted to co-operate with said first mentioned flange to allow a water seal to be automatically formed between said member and said basin by the water draining into the trap to prevent the escape of gases therebetween.

2,099,062
WATER CLARIFIER
Charles Graham, Stockton, Calif.
Application May 20, 1936, Serial No. 80,879
2 Claims. (Cl. 122—389)

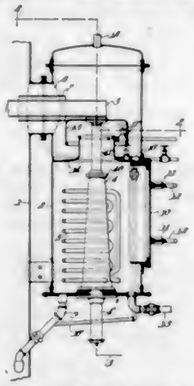


1. The combination with a locomotive type boiler, of a receptacle positioned therein, comprising a curved casing conforming vertically to the curvature of and secured against the side wall of the boiler shell and depending at its lower end between the boiler tubes and said side wall of the boiler shell to form a sump provided with a blow off tube extending through said side wall, one end of the casing having an enlarged opening the botom of which is below the normal water level of the boiler, the opposite end of the casing having a bleeder opening smaller than and above the bottom of said opening.

2,099,063
INSULATOR COMPARTMENT
Carl W. J. Hedberg, Bound Brook, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application June 5, 1935, Serial No. 25,192
6 Claims. (Cl. 183—7)

1. In association with an electrical precipitator chamber, an insulator compartment including a

housing, a conductor mounted in an insulating bushing, means for shutting off gaseous communication between the insulator compartment



and the chamber, and means for opening said compartment to the atmosphere for inspection and cleaning.

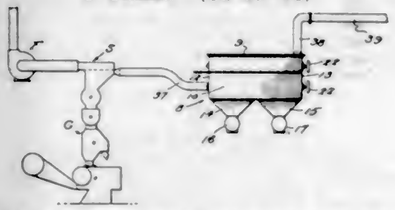
2,099,064

SEED COTTON CLEANER-DRIER

Nelson B. Henry, Columbus, Ga.

Application October 14, 1936, Serial No. 105,625

8 Claims. (Cl. 19—93)



7. A cotton gin outfit including a separator, a fixed conduit adapted to be connected to a source of cotton supply, means for drawing air through said conduit and separator, and means in said conduit for simultaneously heating the air and cotton drawn therethrough directly to said gin outfit.

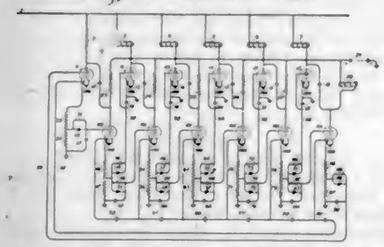
2,099,065

DISTRIBUTOR DEVICE

William Henry Towne Holden, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application March 15, 1935, Serial No. 11,341

7 Claims. (Cl. 178—53.1)



1. A signal line, a plurality of signaling devices connected to said line, a first series of gas-filled discharge tubes corresponding to said signaling devices, each of the tubes of said series having their anode-cathode circuits arranged to directly serially include corresponding ones of said signaling devices, a second series of gas-filled discharge tubes corresponding to the tubes of said first series, circuit arrangements for the tubes of said second series so arranged that said tubes will operate and release sequentially with predetermined intervals, and circuit arrangements controlled by the operation and release of the tubes of said second series for conditioning the corresponding tube of said first series for operation whereby the tubes of said first series may operate in response to signals transmitted over said line.

2,099,066

HYDROGENATED RESIN ESTERS AND METHOD OF PRODUCING

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application January 16, 1929, Serial No. 333,033, now Patent No. 1,877,179. Divided and this application April 15, 1932, Serial No. 605,547

31 Claims. (Cl. 260—99.40)

1. The method of preparing a hydrogenated resin acid ester which includes esterifying a resin acid which has been hydrogenated in the presence of a base metal hydrogenation catalyst.

2,099,067

HYDROGENATED RESIN ESTERS AND THEIR PRODUCTION

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 2, 1929, Serial No. 411,201. Renewed September 22, 1932. Patent No. 2,051,796, dated August 18, 1936. Divided and this application October 3, 1932, Serial No. 636,015

28 Claims. (Cl. 260—99.40)

1. The method of preparing a hydrogenated resin acid ester of a polyhydric alcohol, which includes esterifying a hydrogenated resin acid with a polyhydric alcohol.

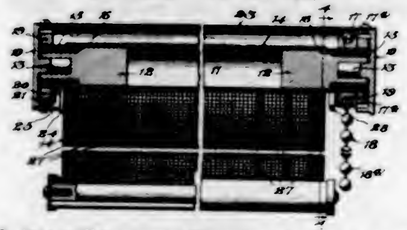
2,099,068

FIREPLACE SCREEN

Fred D. Keithly, Forest Hills, N. Y.

Application January 14, 1937, Serial No. 120,594

3 Claims. (Cl. 156—39)



3. In a roller screen structure, a roller, a screen wound thereon, a ring on said roller, means including a pawl pivotally mounted on said ring to limit screen unwinding rotation of said roller, and a shield over said roller having a slot one end of which is disposed to constitute a fixed stop to be engaged by said pawl to limit unwinding rotation of the roller.

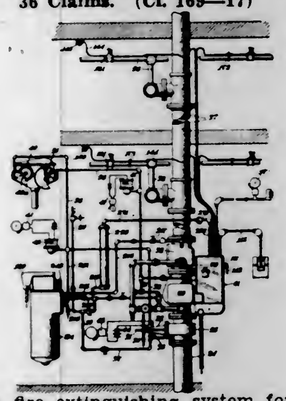
2,099,069

FIRE EXTINGUISHING AND ALARM APPARATUS

Ernest A. Lowe and John R. Hamilton, Cleveland Heights, Ohio, assignors to Automatic Sprinkler Company of America, Cleveland, Ohio, a corporation of Delaware

Application December 15, 1931, Serial No. 581,088

36 Claims. (Cl. 169—17)



4. In a fire extinguishing system for a plurality of fire zones, pressure producing devices in each fire zone, a main pressure responsive device and means of communication extending from each of said pressure producing devices to said pressure responsive device and each provided with a flow control unit permitting substantially unrestricted air flow toward said pressure responsive device but preventing the return passage of low pressures from said pressure responsive device to any of said pressure producing devices, said flow control unit permitting the passage of relatively higher pressures past the same in either direction.

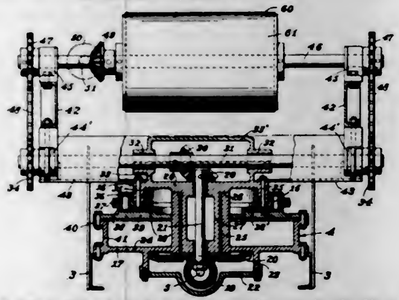
2,099,070

TRANSMISSION MECHANISM FOR POWER BOOMS OF CONCRETE PAVERS

Axel E. Lundbye, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware

Application September 11, 1935, Serial No. 40,178

1 Claim. (Cl. 198—119)



A transmission for a paver boom including an upper and a lower housing, the lower housing being stationary and the upper housing rotatable therein, a cross shaft mounted in said upper housing and said cross shaft extending into bearings mounted on the boom independently of the transmission, a vertical shaft in said transmission arranged to form a central pivotal axis for the rear end of the boom, a gear and a pinion respectively mounted on the vertical shaft and cross shaft, a worm and a gear for rotating the upper part of the housing and thereby the boom, and the worm adapted to be operated by a clutch, driving means connected with the said vertical shaft for rotating the cross shaft, sprocket means on the outer end of said shaft, and bearings at the outer end of said cross shaft permitting the boom to be elevated and lowered without affecting the driving means of the transmission.

2,099,071

DISTRIBUTING MEANS FOR CONCRETE PAVERS

Axel E. Lundbye, Nunda, N. Y., assignor to The Foote Company, Inc., Nunda, N. Y., a corporation of Delaware

Application September 11, 1935, Serial No. 40,179

2 Claims. (Cl. 198—188)



2. A carriage positionable along a paver boom for arresting and deflecting material carried by an endless conveyor, said carriage including side frames and a front and a rear frame, the front and rear frames having a passageway therein so that the endless conveyor may pass therethrough, the side frames being provided with oppositely extending chutes, each of said side frames provided with a plurality of slots, a baffle board positionable in said slots to divert the contents of the endless conveyor to the opposite chutes, depending upon the slots selected and the angular position of the said baffle board in said slots.

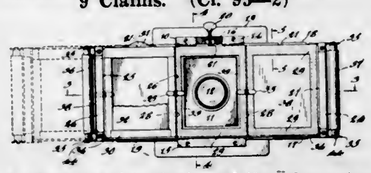
2,099,072

REPEATING BACK FOR CAMERAS

Howard A. McCordock, Webster Groves, Mo.

Application August 20, 1935, Serial No. 37,011

9 Claims. (Cl. 95—2)



1. A photographic device of the character described, comprising a wall having an exposure opening therein, a frame slidably mounted on said wall and having a plurality of openings adapted to register successively with the exposure-opening in said wall and adapted to receive plate-holders, and flexible light-excluding means arranged to extend over those frame-openings not in register with the exposure-opening, said means being attached at one end to the adjoining side of said wall and movably connected at its other end to the corresponding end of said slidable frame.

2,099,073

ELECTRIC ARC LAMP

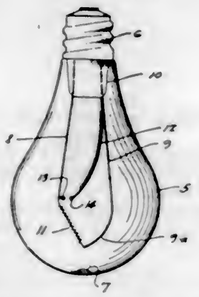
Walter C. Mitchell, Los Angeles, Calif.

Application March 15, 1935, Serial No. 11,256

6 Claims. (Cl. 176—1)

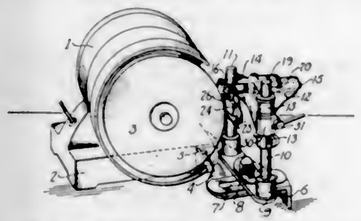
1. In an electric arc lamp, a pair of terminals, a lead wire connected to each of said terminals,

a resistance coil rigidly secured at opposite ends to said wires so as to form and maintain a conductor from one of said wires to the other thereof, an electrode connected to one of said wires, a movable electrode connected to the other of said wires by a bi-metal thermostat, said thermostat normally spacing said movable electrode



from said first-mentioned electrode and adapted to further separate said electrodes when heated by the formation of an arc therebetween, and a substance adapted to be ionized by the heat of said resistance coil to form and maintain during all stages of relative movement of said electrode a conductor between said electrodes of less resistance than said resistance coil.

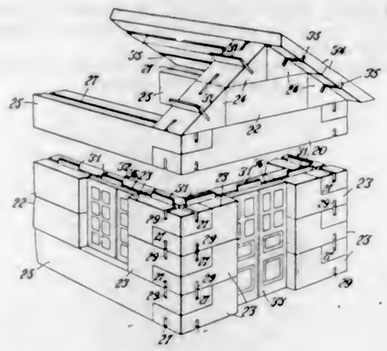
2,099,074
CHASER GRINDING MEANS
Clarence S. Mueller, Point Place, Ohio
Application November 29, 1935, Serial No. 52,025
8 Claims. (Cl. 51—92)



7. The combination with a grinding wheel of a guide frame disposed adjacent to an edge of said wheel and having laterally spaced parts, a control frame carried by one of said parts for free reciprocatory movements in a plane tangential to the adjacent wheel edge and for swinging movements in a horizontal plane toward and away from the wheel edge, said other guide frame part serving as a combined guide and stop respectively for said movements, and a chaser holder carried by the control frame for adjusting movements in a horizontal plane toward and away from the adjacent wheel edge.

2,099,075
TOY BUILDING CONSTRUCTION
Nils I. Paulson, Chicago, Ill., assignor to Halsam Products Company, Chicago, Ill., a corporation of Illinois
Application May 13, 1936, Serial No. 79,557
10 Claims. (Cl. 46—26)

1. As a new article of manufacture, a building block cut away at one face at the end to provide a notch of a length corresponding to the width of the block, and having longitudinal grooves in its top and bottom faces, and having a groove



transversely across the unnotched face portion at a distance from the end face of the block corresponding substantially to half of the width of the block.

2,099,076
PIPE COATING APPARATUS
Albert G. Perkins, Warsaw, N. Y.
Application September 27, 1932, Serial No. 635,038
Renewed February 28, 1936
17 Claims. (Cl. 25—38)

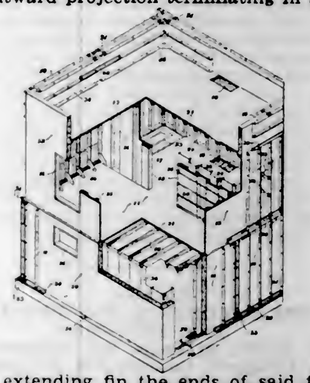


1. An apparatus for lining pipe walls, comprising a structure adapted to travel through the pipe, means applied thereto for receiving a supply of coating material and having a feed conduit disposed substantially axially of the pipe, the discharge end of said conduit having discharge ports therein disposed substantially tangentially thereof and terminating at their inner ends in projections extending into the conduit, a revolving agitator arranged within said conduit adjacent its ports, the projecting ends of the latter cutting into and intercepting the agitated material and means for feeding the material through said conduit toward its discharge ports.

2,099,077
BUILDING CONSTRUCTION
Emile A. Pessagno, Chevy Chase, Md., Edwin Philip Schreier, Michael A. Patterson, and Wilfrid V. Worland, Washington, D. C.
Application April 12, 1934, Serial No. 720,324
12 Claims. (Cl. 25—131)

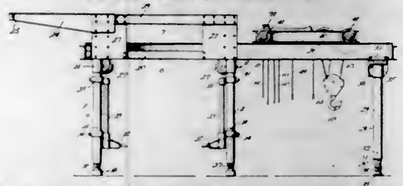
1. A sheet metal pan for casting a monolithic structure comprising a substantially rectangular inverted U shaped trough member having closed end portions, laterally extending base portions

projecting outwardly from the sides thereof, and each outward projection terminating in a down-



wardly extending fin the ends of said fins terminating short of the closed end portion.

2,099,078
STACK LIFTER
Robert T. Romine, deceased, late of Macomb County, Mich., by Mary C. Romine, administratrix, Mount Clemens, Mich.
Application January 14, 1935, Serial No. 1,810
12 Claims. (Cl. 212—74)



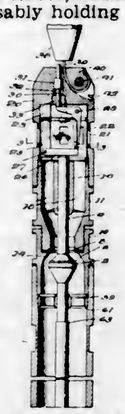
1. A crane or stack lifter comprising a relatively stationary frame, an extension frame relatively movable thereon in a horizontal plane, a hoist mechanism movable on the extension frame and operably connected thereto to move the same relative to said stationary frame.

2,099,079
PRODUCTION OF COARSELY CRYSTALLINE AMMONIUM SULPHATE
Carl Rumscheidt and Anton Strzyzewski, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany
No Drawing. Application January 10, 1935, Serial No. 1,157. In Germany January 19, 1934
16 Claims. (Cl. 23—119)

1. Process for the production of coarsely crystalline ammonium sulphate consisting in the crystallization of this salt from aqueous non-acid solutions containing soluble chromium compounds.

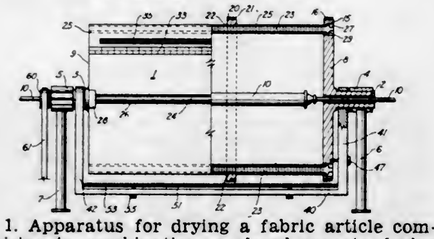
2,099,080
BOTTOM HOLE WELL SAMPLER
George W. Rusler, Verona, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 8, 1936, Serial No. 73,385
19 Claims. (Cl. 137—18)

1. A well sampler comprising a tubular casing, a valve in said casing adjacent each end thereof, said valves forming a sealed chamber with the casing when closed, closure means in the chamber for each of said valves, means positioned in the casing for releasably holding the valves in open



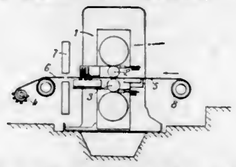
position, and means in the chamber operable by a predetermined movement of one of said valves for operating the closure means for the other of said valves.

2,099,081
STRETCHING AND DRYING APPARATUS
Edward H. Russ, Jr., Louisville, Ky.
Application April 20, 1936, Serial No. 75,504
6 Claims. (Cl. 34—17)



1. Apparatus for drying a fabric article comprising in combination, a closed arcuate drying surface, a roughened surface incorporated into the drying surface and adapted to provide a frictional contact with the article, a centrally disposed heating source within the closed drying surface and adjustable frictional contact means cooperating with the roughened surface for holding the edges of the article to be dried substantially flush against said drying surface.

2,099,082
PROCESS FOR THE ROLLING OF THIN SHEET METAL
Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France
Application June 10, 1936, Serial No. 84,565
In France October 16, 1935
1 Claim. (Cl. 80—32)



A process for rolling sheets of metal in a rolling mill and for attaching leader strips thereto

consisting in feeding the end of a leader strip through the rollers of the mill in a forward direction, welding one end of the metal sheet to be rolled to the end of the leader strip, rolling the strip and sheet through the rollers under tension in a rearward direction, welding the other end of the metal sheet to a second leader strip, further rolling the metal sheet in a rearward direction until the second weld reaches the rollers, successively rolling the metal sheet back and forth between the rollers until the desired thickness is obtained, and finally cutting the leader strips from the rolled sheet at the welds.

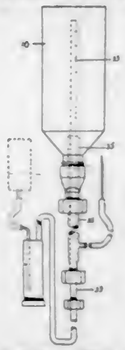
2,099,083

VALVE FOR LIQUID FLOW APPARATUS

Martin C. Schwab, Chicago, Ill.

Original application November 17, 1933, Serial No. 698,544. Divided and this application May 17, 1935, Serial No. 22,063

3 Claims. (Cl. 221—67)



1. Liquid flow apparatus comprising a container, a dispensing member, a liquid flow tube leading from within the container to the dispensing member, an air inlet tube within said liquid flow tube, ferrules having openings attached to each of said tubes, one of said ferrules movable within the other of said ferrules so that the openings may be covered or exposed by manipulation of the air inlet tube for controlling the liquid to be dispensed.

2,099,084

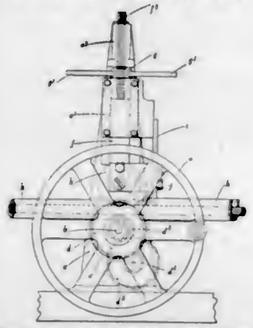
APPARATUS FOR STRIPPING ELECTRIC CABLES

Charles Percy Seckham, Wakefield, England

Application September 29, 1934, Serial No. 746,261

In Great Britain October 19, 1933

5 Claims. (Cl. 164—61)



1. A cable stripping machine comprising in combination, a cutter member, a work sustaining member arranged in opposition to the cutter and between which and the cutter the work is adapted to be forced, separate carriers for said cutter and work sustaining members, means for adjusting at least one of said carriers toward and from the other, and a spreader member carried by said adjustable carrier and disposed in the path of the severed portion of the work as it leaves the cutter member for spreading the same, said spreader member being adjustable relative to the cutter member and said spreader member being wedge-shaped and having a pointed entrant end and a flared rear end whereby the latter will spread the cable covering to substantially expose the cable therein which is to be removed.

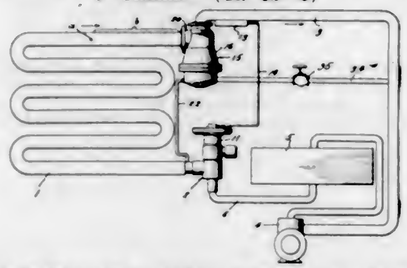
2,099,085

SUPERHEAT CONTROL FOR REFRIGERATION SYSTEMS

John L. Shrode, St. Louis, Mo., assignor to Alco Valve Company, Incorporated, St. Louis, Mo., a corporation of Missouri

Application June 8, 1936, Serial No. 84,203

9 Claims. (Cl. 62—3)



1. Refrigeration system including an expansion valve, an evaporator and a thermostatic control device for said evaporator, serially arranged, and means between the suction end of said evaporator and said thermostatic element, preventing the temperature of refrigerant in liquid state directly affecting said thermostatic element, by arresting refrigerant in liquid form which may be entrained in the effluent refrigerant gas from said evaporator.

2,099,086

LAMINATED GLASS

John S. Tinsley, New Brunswick, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 17, 1934, Serial No. 744,366

4 Claims. (Cl. 49—92)

1. A laminated glass including a layer of substantially optically clear plastic comprising a hydrolyzed mixed ester of cellulose produced by heating the mixed ester, after its formation and after neutralization of the acid catalyst employed in its formation, in the presence of an acid corresponding to an acid radical of the mixed ester.

2,099,087

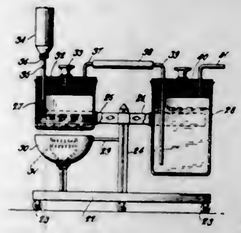
APPARATUS FOR EFFECTING SEPARATION OF THE PARTS OF DENTURES

Alva James Vance, Beverly Hills, Calif.

Application July 17, 1936, Serial No. 91,243

3 Claims. (Cl. 32—1)

1. A dental apparatus for effecting separation of the parts of denture assemblies, comprising a support, a closed receptacle mounted on said support, a body of acid in said closed receptacle in which a denture assembly may be completely immersed, heating means supported in said base adjacent said closed receptacle whereby said acid bath is heated, a second closed receptacle mounted on said support adjacent the first closed recep-



tacle, a neutralizing bath in said second receptacle, and means for conducting fumes from said acid bath to a point beneath the surface of said neutralizing bath so that such fumes will be discharged in said neutralizing bath to be neutralized thereby.

2,099,088

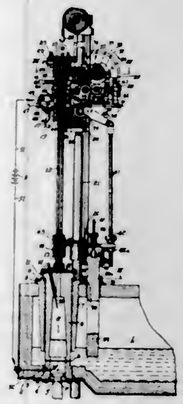
METHOD AND APPARATUS FOR FEEDING MOLTEN GLASS

Frank L. O. Wadsworth, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana

Application June 25, 1934, Serial No. 732,216

Renewed January 14, 1937

22 Claims. (Cl. 49—55)



1. A feeder for delivering successive mold charges through a submerged orifice, comprising a reciprocable bell above said orifice, means for reciprocating said bell, means responsive to the movement of the bell away from said orifice for connecting the interior thereof to a source of subatmospheric pressure as the bell approaches the upper end of its stroke, means responsive to the movement of the bell toward said orifice for connecting the interior thereof to a source of super-atmospheric pressure at the end of its downward stroke, and means for maintaining such latter connection at the beginning of the upstroke of the bell to trap a quantity of said super-atmospheric pressure in said bell and prevent the retarding of flowing material through the orifice.

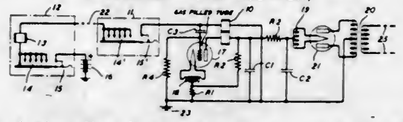
2,099,089

RELAY

Allan Weaver, Port Washington, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application December 4, 1935, Serial No. 52,928

7 Claims. (Cl. 178—88)



1. A signaling line relay, a line circuit including circuit closing means, a line winding wound upon said relay and connected to said line circuit, an auxiliary circuit including a single gaseous discharge device, an operative connection between said auxiliary circuit and said relay for controlling said discharge device and for supplying additional energy to aid in the operation of said relay when said line circuit is closed.

2,099,090

PROCESS OF MAKING HYDROCARBON RESINS

William L. Webb, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application February 7, 1936, Serial No. 62,816

6 Claims. (Cl. 260—2)

1. In the process of making high molecular weight products from reactive olefins by polymerization of mixtures of the desired iso-olefin hydrocarbons with other olefins, in the presence of a metal halide catalyst hydrolizable by water, the temperature of said polymerization being maintained sufficiently low to permit the polymerization of the desired iso-olefins and substantially prevent the polymerization of other olefins, the improvement comprising deactivating said catalyst at a temperature below 0° F. after the desired polymerization reaction is substantially complete and before the temperature is allowed to rise to a point where the polymerization of other olefin hydrocarbons occurs.

2,099,091

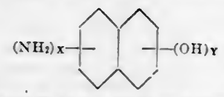
PRINTING AND DYEING COMPOSITIONS AND PROCESSES

Frithjof Zwilgmeyer, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 10, 1935, Serial No. 44,329

20 Claims. (Cl. 8—5)

4. The method which comprises mixing the diazoimino compound, of a diazotized primary arylamine free from water-solubilizing groups, in a non-acid medium with an hydroxy arylamine of the naphthalene series represented by the formula:



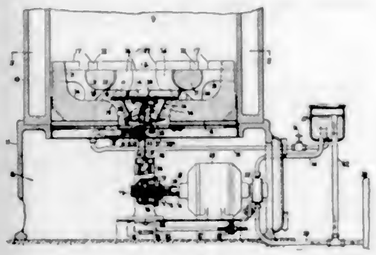
in which X and Y are each 1 or 2, impregnating a material therewith, and acting thereupon with acid until the color is formed.

2,099,092

LIQUID FUEL BURNER

Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 24, 1934, Serial No. 717,137
7 Claims. (Cl. 158—4)



1. In liquid fuel burning apparatus, the combination of a furnace having a combustion chamber therein, a hearth arranged at one end of the combustion chamber and including a wall defining an end of the combustion chamber and an annular structure disposed in said combustion chamber and spaced from the wall, said wall and annular structure having surfaces opposed to each other and forming a passageway which converges and diverges from adjacent a central portion of the hearth toward the periphery thereof, and a rotatable head disposed adjacent the center of the hearth for projecting atomized fuel and air directly into the converging portion of said passageway.

2,099,093

ROOF COMPOSITION AND METHOD OF PRODUCING THE SAME

Henry C. Avery, New Brunswick, N. J., assignor, by mesne assignments, to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Application March 28, 1932, Serial No. 601,702
Renewed June 25, 1935
4 Claims. (Cl. 91—70)



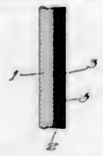
1. The method of making roofing of the character described which comprises coating a roofing base with molten bituminous waterproofing material having a relatively high melting point, applying to the coated sheet a secondary coating of bituminous waterproofing material of relatively low melting point dispersed in an aqueous medium, while the first named coating is at an elevated temperature whereby to effect a heat interchange between said coatings, and permitting the secondary coating to dry and become united with the first named coating.

2,099,094

ROOFING

Henry C. Avery, New Brunswick, N. J., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts

Original application March 28, 1932, Serial No. 601,702. Divided and this application May 9, 1934, Serial No. 724,721
1 Claim. (Cl. 91—68)



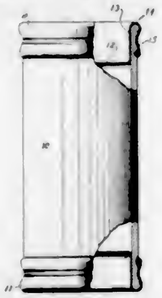
Roofing of the character described comprising a suitable foundation having on the surface exposed to weather a composite layer of waterproofing material, said layer having an inner stratum of waterproof material and an overlying layer of coalesced asphalt united integrally with the first named asphalt, said overlying layer being resistant to flow at temperatures in excess of the melting point of the first named asphalt therein, and grit interlocked by both layers of asphalt.

2,099,095

CONTAINER CONSTRUCTION

H. Chester Aument, Long Island City, N. Y.

Application April 13, 1935, Serial No. 16,131
2 Claims. (Cl. 229—5.5)



1. An end seal for a container presenting in section an end wall and a generally U-shaped channel portion projecting from the edges of said wall and perpendicular with respect to the same, said portion in section including an inner plane arm to lie in flat face-to-face contact with the wall of a container with the edge of said wall lying within the crotch of such portion, the outer arm of said portion being of a height less than the inner arm and presenting a plurality of inwardly and outwardly curved surfaces to lie in intimate contact with the outer face of said container body.

2,099,096

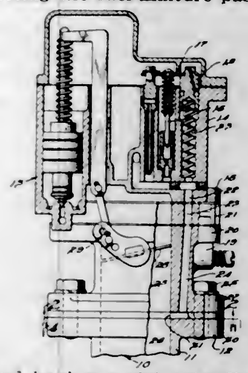
INTERNAL COMBUSTION ENGINE FUEL SYSTEM

Thomas M. Ball, Detroit, Mich.

Application October 12, 1936, Serial No. 105,234
8 Claims. (Cl. 261—1)

1. In an internal combustion engine fuel system comprising a fuel mixture inlet branch, a carburetor including a throttle valve, and a governor body insertable between said carburetor and said inlet branch and including a governor valve,

said carburetor and governor body having registerable fuel mixture passage sections and registerable suction passage sections for establishing communication between the fuel mixture passage of said system and suction operative parts of said carburetor, means for alternatively connecting said carburetor directly to said inlet branch and indirectly thereto through said governor body respectively comprising flanges on said inlet branch, carburetor and governor body, and a pair of gaskets, one insertable directly between said carburetor and said inlet branch having an opening for connecting the fuel mixture passage sections



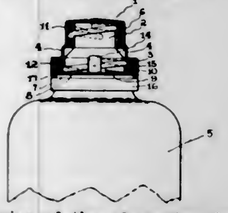
thereof and having a slot extending from said opening and registerable with the suction passage section of said carburetor for connecting the same to the fuel mixture passage of said system at the junction of said carburetor and inlet branch, the other gasket having an opening for connecting the fuel mixture passage sections of said inlet branch and governor body when the latter is employed and having a port registerable with the suction passage sections of said governor body and carburetor for connecting the same to the fuel mixture passage of said system on the suction side of said governor valve.

2,099,097

MEANS FOR SEALING CONTAINERS

Warren H. Belder and Thomas M. Cunningham, Passaic, N. J.

Application October 24, 1935, Serial No. 46,514
3 Claims. (Cl. 215—7)



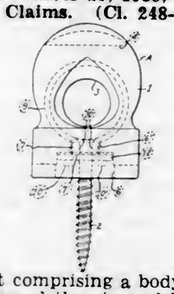
2. In a device of the character described, the combination of a container, a longitudinal groove in the wall of the said container and a shoulder on the said container, a threaded cap on the said container and having a marginal rim seated on the said shoulder, said cap comprising a top section and a collar section and a frangible web between the said sections, means for locking the said cap against reverse rotation, said locking means comprising an annular plate having an internally disposed lug seated in the said groove in the wall of the container and a spring tongue engaging the collar section of the said cap, and a plate in the said marginal rim of the cap protecting the said locking means.

2,099,098

BRACKET FOR ELECTRICAL WIRES

William J. Binkley, Warrenton, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application November 29, 1935, Serial No. 52,137
5 Claims. (Cl. 248—71)



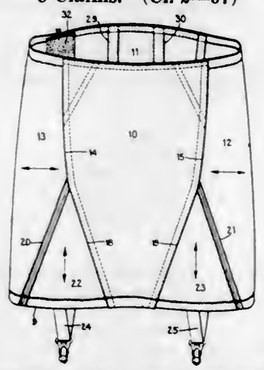
1. A bracket comprising a body portion having an opening formed therein and having a portion surrounding said opening, an element for securing said body portion to a support, said element being provided with a shoulder, and means for attaching said securing element to said body portion, said means comprising an annular member provided with substantially parallel end portions movable from each other to spread the annular member, said annular member being arranged in embracing relation with respect to the portion of said body portion that surrounds the opening therein, and means for connecting said end portions of said annular member to said securing element, said means comprising a member arranged in contact with the shoulder of said securing element through which member portions of said annular member extend and with respect to which the end portions of said annular member are bent, said member being disposed within said body portion.

2,099,099

APPAREL GARMENT

Raymond W. Bissell, Milford, Conn., assignor to The Strouse Adler Company, New Haven, Conn., a corporation of Connecticut

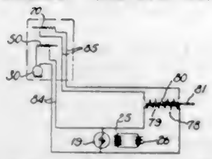
Application April 25, 1936, Serial No. 76,315
8 Claims. (Cl. 2—37)



1. A garment of the class described having in its back portion material substantially nonelastic in at least the vertical direction extending

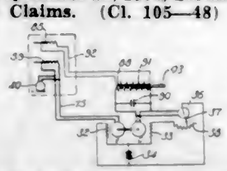
from the lower edge of the garment upwardly at both sides of the centerline of the back to restrain posterior portions of the wearer and the side boundaries of which material, at at least its lower part, extend downwardly and toward the centerline of the back of the garment, and also having in its back portion, at each side of said vertically-non-elastic material, material that is elastic in at least the vertical direction and that is connected to the adjacent boundary of said substantially non-elastic material, at least at the lower part of the latter, so that vertically-elastic material is located between said substantially non-elastic material and the lower edge of the garment.

2,099,100
VALVE CUT-OFF INDICATOR FOR LOCOMOTIVES
Alexander R. Bond, Plainfield, N. J., assignor to William Bell Wait, New York, N. Y.
Application April 9, 1934, Serial No. 719,661
7 Claims. (Cl. 105—48)



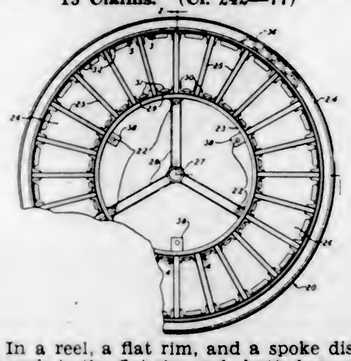
1. The combination with the operating gear for the cut-off valve of a locomotive, of an electric generator driven by a track wheel of the locomotive and adapted to generate alternating current varying in potential in proportion to the speed of the locomotive, a movable needle, a solenoid adapted to move the needle, a transformer, electrical conductors connecting the generator and the primary coil of the transformer for energing said coil, electrical conductors connecting the secondary coil of the transformer and the solenoid for energizing the latter, a movable core in the transformer, and means for moving the core in accordance with the cut-off setting so as to vary the current in the secondary and hence the position of the solenoid thereby bringing the needle to a zero position at any speed of the locomotive when the cut-off is adjusted for maximum draw bar pull at such speed.

2,099,101
SPEED AND CUT-OFF INDICATOR FOR LOCOMOTIVES
Anthony J. Porskievies, Atlantic Highlands, N. J., assignor to William Bell Wait, New York, N. Y.
Application September 28, 1934, Serial No. 745,863
6 Claims. (Cl. 105—48)



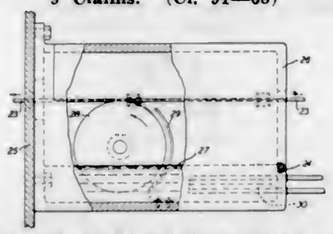
1. The combination with the operating gear for the cut-off valve of a locomotive, of an alternating current generator driven by a track wheel of the locomotive, means constructed and arranged to maintain such current at substantially constant potential, a movable hand, a solenoid adapted to move the hand, a transformer, electrical conductors connecting the generator and the primary coil of the transformer for energizing said coil, separate electrical conductors connecting the secondary coil of the transformer and the solenoid for energizing the latter, a movable core in the transformer for varying the inductive linkage between the primary and the secondary, and means for moving the core in predetermined relation to the instant setting of said gear to control the pull of the solenoid and thereby control the position of the hand correspondingly.

2,099,102
REEL
Alfred B. Brown, Essex Fells, and Claude T. Siebs, Fanwood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1933, Serial No. 693,060
15 Claims. (Cl. 242—77)



11. In a reel, a flat rim, and a spoke disposed at an angle to the flat rim and abutted at one end thereof against the rim and formed with integral projections disposed at an angle to the spoke and secured directly to the flat inner face of the rim.

2,099,103
METHOD OF COATING ARTICLES
Thomas King Cox, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1934, Serial No. 734,711
9 Claims. (Cl. 91—68)

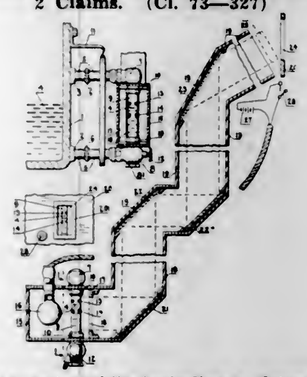


3. The method of insulating an electrical conductor with an insulating material, which includes depositing upon the conductor a film of a mixture of an ingredient tending to resist adhesion between said conductor and said insulating material, said ingredient being selected from a group consisting of oils and paraffin waxes, and another ingredient tending to promote adhesion between said conductor and said insulating material, said second named ingredient being selected from a group consisting of formic, acetic, oleic and palmitic acids, said adhesion resisting ingredient being capable of forming a solution or an emulsion with said adhesion promoting ingredient, and thereafter forming on said conductor and film a coating of an insulating material, the proportions of the adhesion resisting and adhesion promoting ingredients being relatively variable to vary the degree of tenacity of adhesion between the conductor and the insulating material.

2,099,104
PRINTING AND DYEING COMPOSITIONS
Miles Augustinus Dahlen, Wilmington, and Frithjof Zwilgmeyer, Arden, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 10, 1935, Serial No. 44,328
10 Claims. (Cl. 8—5)

1. A textile material dyed with a color formed by coupling thereon a compound from the class consisting of $(NH_2)_X$—Aryl, $(HO)_Y$—Aryl, $(NH_2)_X$—Aryl—$(OH)_Y$, in which X and Y are each 1, 2 or 3, with a diazotized primary arylamine free from water-solubilizing groups.

2,099,105
INSTRUMENT PANEL OIL LEVEL INDICATOR
Frederick William Dippel, Milwaukee, Wis.
Application January 10, 1936, Serial No. 58,546
2 Claims. (Cl. 73—327)



1. In an automobile including a driver's position, an engine having an oil reservoir, and an apertured partition between the engine and the driver's position, an oil gauge and periscope unit supported from and secured in its entirety to the engine, said unit being movable with the engine when the engine moves relative to said apertured partition, said unit including an oil gauge in connection with said reservoir and visible at the engine, and a periscope comprising a tubular casing having its lower end in communication with said gauge and extending substantially upwardly therefrom, said casing having its upper end positioned so that the gauge may be viewed through the aperture in said partition and with the upper end movable relative to said apertured partition.

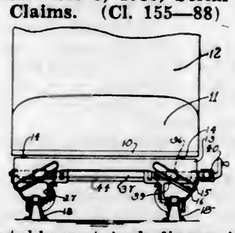
2,099,106
CARBURETOR SPRING
William M. Ewart, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application May 9, 1934, Serial No. 724,741
1 Claim. (Cl. 267—1)

A spring element for a carburetor metering pin comprising an intermediate coiled portion having at one end an elongated arm with a pliable extremity extending therefrom and medially across the adjacent coiled portion and another



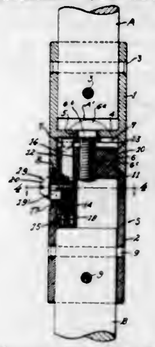
arm extending from the opposite end of said coil, the axis of the later arm being tangential of the coil and terminating in a hooked portion.

2,099,107
ADJUSTABLE SEAT
Alexander M. Fleming, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application December 5, 1935, Serial No. 52,946
5 Claims. (Cl. 155—88)



1. An adjustable seat including a base structure, a pair of longitudinally spaced channel members on the front and rear edge portions of said seat respectively, each of said channel members including a pair of downwardly extending flanges having registering inwardly inclined slots therein, a nut member disposed between the flanges of each channel member and having projections extending into the slots thereof, a shaft journaled in said base structure and in threaded engagement with the nuts at the edge portions of said seat respectively, and means rotating each of said shafts for independently varying the elevation of the front and rear portions of said seat.

2,099,108
POLE SPLICE
Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application August 7, 1935, Serial No. 35,085
2 Claims. (Cl. 287—125)



1. A splice for connecting a pair of pole sections comprising a pair of members fixed to said pole sections, a screwthreaded element carried by one of said members, said screwthreaded element

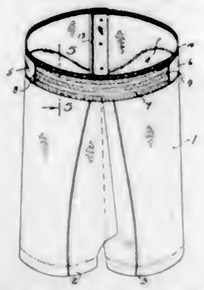
being provided with an enlarged head portion which is confined between a part of the member with which said screwthreaded element is associated and an end face of the associated pole section whereby longitudinal movement of said screwthreaded element is prevented, means for preventing rotary movement of said screwthreaded element with respect to the member with which said screwthreaded element is associated, said screwthreaded element being screwthreadedly received by a screwthreaded opening formed in the other of said members so as to connect said pair of members and the associated pole sections together, and releasable means carried by one of said members and engageable with the other of said members to prevent unintended relative rotary movement of said members in the unscrewing direction.

2,099,109
PROCESS OF OBTAINING PARA-CRESOL FROM TAR ACID MIXTURES
David F. Gould, Riverton, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 5, 1935, Serial No. 48,338
11 Claims. (Cl. 260—154)

1. A process of purifying para-cresol-oxalic-acid addition compound contaminated with tar acids other than para-cresol, which comprises slurrying said impure addition compound with a non-aqueous solvent for said other tar acids at an elevated temperature such that substantial dissociation of the addition compound takes place, cooling the heated mixture and separating purified crystalline para-cresol-oxalic-acid addition compound therefrom.

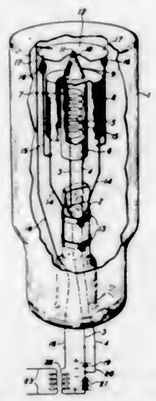
11. The method for obtaining para-cresol from crude para-meta-cresol mixtures, which comprises forming a para-cresol-oxalic-acid addition compound with said para-cresol, washing said compound with xylene, slurrying said compound with about twice its weight of xylene at a temperature of about 70° C., cooling said slurry to not less than 15° C. to reform the para-cresol-oxalic-acid addition compound while agitating it, and recovering para-cresol from the para-cresol-oxalic-acid addition compound thus reformed.

2,099,110
UNDERGARMENT AND THE LIKE
Vernor E. Green, Little Falls, N. Y., assignor to Little Falls Manufacturing Company, Inc., Little Falls, N. Y., a corporation of New York
Application October 22, 1935, Serial No. 46,063
1 Claim. (Cl. 2—237)



A garment of the class described comprising a body portion of knitted material having wales extending vertically and adapted to cover the lower body portion and crotch of the wearer, a double walled waist band, the walls of which are stitched to each other throughout the upper and lower edges thereof, the front section of said waist band comprising superimposed plies of knitted material, one ply having its wales extending vertically, the other ply adjacent the front of the garment having its wales extending horizontally whereby to confine the said first named ply and to render the front section of the waist band inextensible, the back of the waist band comprising a horizontally extensible ply of knitted material and an elastic member superimposed thereon, said elastic member being secured at its ends to the inextensible front section, whereby to provide a back section, the outer wall of which is elastic and the inner wall extensible, the elastic member being at least as long when contracted as the portion of the inner wall on which it is superimposed thereby to provide a smooth and unwrinkled inner wall.

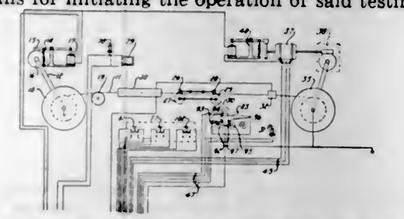
2,099,111
GASEOUS DISCHARGE DEVICE
John R. Hefele, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 9, 1935, Serial No. 10,239
10 Claims. (Cl. 176—124)



1. A gaseous discharge device comprising electrodes determining a discharge path between said electrodes, a discharge directing member between said electrodes, means for heating one of said electrodes to electron emission temperature, and means for supplying to said heating means constant current, one terminal of said heating means being connected to the heated electrode and the other terminal being positively polarized with respect thereto.

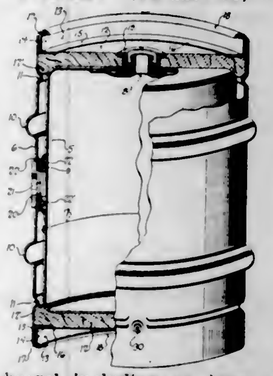
2,099,112
APPARATUS FOR TESTING INSULATION
Walter M. Hill, Randallstown, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 29, 1931, Serial No. 571,811
Renewed January 26, 1937
8 Claims. (Cl. 175—183)

2. In a testing apparatus, electrically operated power means for passing an insulated conductor through the apparatus, electrical means for testing the insulation of said conductor as it passes through the apparatus, and electrically operated means for initiating the operation of said testing



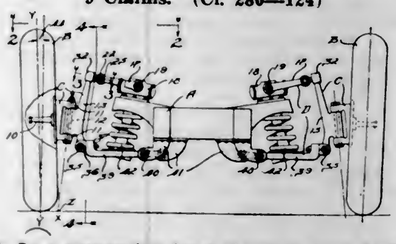
means and subsequently and automatically initiating the operation of said power means.

2,099,113
BARREL
Theodore C. Hollnagel, Milwaukee, Wis.
Application June 29, 1934, Serial No. 733,014
3 Claims. (Cl. 220—10)



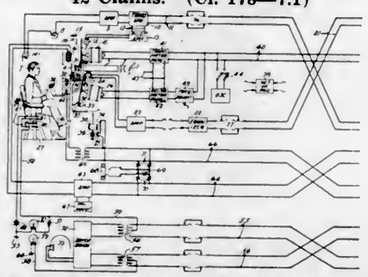
1. In a barrel including an inner container and an outer protecting shell, a removable head for the shell engaging the container and holding the same against shifting with respect to the shell, means to removably secure the head in the shell comprising, an inwardly directed flange on the end of the shell, a contractible hoop confined between said flange and the adjacent portion of the head, said flange having a rim on its inner portion past which the contractible hoop snaps during application and by which the hoop is held against accidental contraction.

2,099,114
VEHICLE WHEEL SUSPENSION
John R. Holmes, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1934, Serial No. 734,720
9 Claims. (Cl. 280—124)



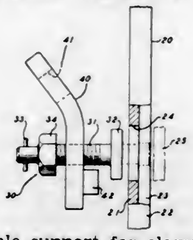
1. In a suspension for a steering ground wheel of a motor vehicle having a frame structure, wheel supporting means including a substantially vertically extending arm, upper and lower linkages intermediate said frame structure and said arm, an adjustable connector between said arm and one of said linkages, said connector having a threaded stem supported by the last said linkage, and a nut threaded on said stem adapted to adjust said stem laterally of the vehicle to vary the wheel camber.

2,099,115
COMMUNICATION SYSTEM
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 8, 1930, Serial No. 442,503
Renewed June 5, 1936
42 Claims. (Cl. 178—7.1)



1. A terminal apparatus for two-way television comprising fixed transmitting means for scanning an observer, means for producing an image of a distant person in a predetermined position with respect to said observer, and means, comprising a support to be occupied by said observer and a barrier in front of and above said support, for limiting the movement of said observer to maintain him in a position where he may be scanned by said transmitting means and simultaneously see an image of the distant person.

2,099,116
CLAMP
Lloyd R. Kalmbach, West Englewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 7, 1936, Serial No. 78,413
2 Claims. (Cl. 294—67)



1. A detachable support for clamping attachment to an object having an elongated slot, the said support comprising a member having an elongated overhanging head formed to pass through the slot from one side of the object when in one position relative to the slot and not when rotated into another position, a support member movably mounted on the body of the first member and provided with a lug formed to enter the slot from the same side of the object only beside

the body of the first member and to stand beside the head of the first member when in the second position of the head to prevent the first member from rotating from its second position and to prevent the support member from rotating, means formed integrally on the support member whereby the same and therewith both the first member and the object may be supported, and adjustable means to force the support member to move on the first member toward the head of the first member to clamp the object between the head and the support member.

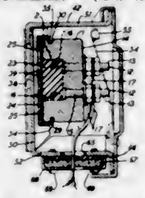
2,099,117

TERMINAL MOUNTING

Le Roy W. Kelsay, Summitt, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 13, 1936, Serial No. 110,647

4 Claims. (Cl. 247—7)



1. A terminal mounting comprising, in combination, a block of insulating material, a recessed portion in said block, spaced terminals supported in said block, end portions of said terminals extending into said recessed portion, insulating compound filling said recessed portion and surrounding said end portions of said terminals, a strip of metal foil covering said recessed portion and adhering to said insulating compound, a cushion of compressible material covering said strip of metal foil, and a plate of metal covering said cushion and engaging said block of insulating material to clamp said cushion against said strip of metal foil.

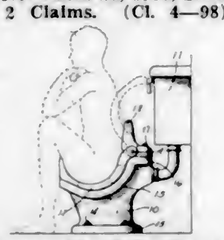
2,099,118

TOILET ASSEMBLY

George Winter Kennedy, Philadelphia, Pa.

Application November 28, 1936, Serial No. 113,148

2 Claims. (Cl. 4—98)



1. A toilet assembly of the character described comprising a toilet bowl formed with an upper edge curved from the front to the rear, a toilet seat conforming in curvature to the upper edge of the bowl, and a back member carried by the bowl.

2,099,119

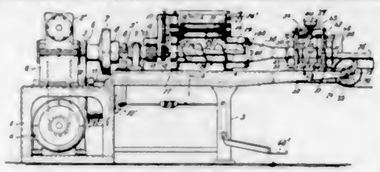
YEAST MOLDING AND CUTTING MACHINE

Harold L. King, Glen Ridge, Albert Sharp, Bayonne, and Karl Schnorr, Belleville, N. J.

Application March 14, 1935, Serial No. 11,018

11 Claims. (Cl. 107—20)

1. A plastic-handling machine, comprising means for receiving loose plastic, means for conveying and compressing same, means for dividing the compressed plastic, and means independent of



the movement of the plastic but cognate with the dividing means for automatically stopping the conveying-means before dividing the plastic.

2,099,120

FLOTATION PROCESS

James Emory Kirby and James Herbert Werntz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 15, 1936, Serial No. 105,676

10 Claims. (Cl. 209—166)

1. In the froth flotation process of treating ores, the step which comprises utilizing as a flotation agent a water-soluble salt of an organic dicarboxylic acid having one carboxyl group esterified by an alcohol selected from the group consisting of long chain primary aliphatic alcohols having from eight to eighteen carbon atoms and alicyclic alcohols formed in the carboxylic reduction of a naphthenic acid or a natural resin acid.

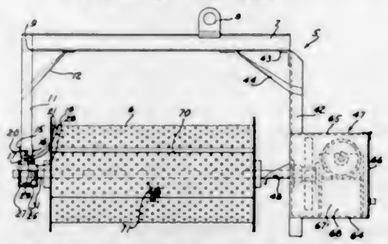
2,099,121

MATERIAL HANDLING APPARATUS

Ray C. Kivley, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 19, 1936, Serial No. 101,587

9 Claims. (Cl. 266—7)



1. A material handling apparatus, comprising a framework provided with an eye adapted to receive a crane hook whereby it is transportable, a barrel rotatable in said framework, and a driving mechanism mounted upon said framework, said framework having a pair of members fixed thereto and a member pivoted thereon to a limited extent for supporting the framework on the sides of vats to hold the barrel in treating baths in the vats.

2,099,122

ROLL TOP CONTAINER

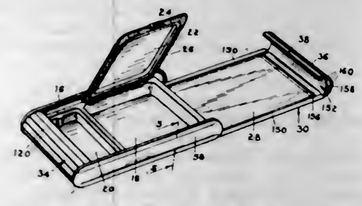
Jacques Kreisler, New Rochelle, N. Y.

Application August 16, 1935, Serial No. 36,451

24 Claims. (Cl. 132—83)

1. A container having a bottom, a top, and opposed spaced side walls curved at their ends, said side walls having grooves extending along

the top of the container and said end and bottom thereof, and a closure having a flexible portion guided for movement in said grooves and a rigid portion also guided for movement in said



grooves connected to said flexible portion extending along said bottom and arranged to travel with said flexible portion while the latter moves to open and closed positions.

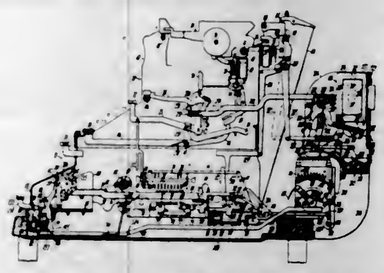
2,099,123

COMBINED TYPEWRITING AND COMPUTING MACHINE

Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Original application March 15, 1933, Serial No. 660,830. Divided and this application January 27, 1937, Serial No. 122,496

3 Claims. (Cl. 197—13)



1. In a typing machine having a set of types and a letter-feeding carriage, the combination of a set of power-driven actuators for operating said types consecutively in predetermined order in correlation to the carriage-steps, and means, cooperating with said carriage and including an oscillatory weight, for controlling the intervals between the consecutive type-operations, said means and weight being arranged so that said intervals depend on and therefore coincide with the natural period of oscillation of said weight.

2,099,124

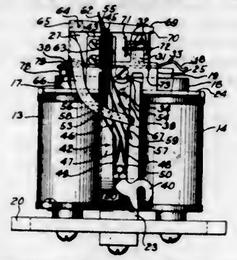
COIN COLLECTOR APPARATUS FOR USE AT TELEPHONE PAY STATIONS

Morton L. Landreth, Elmhurst, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application January 9, 1936, Serial No. 58,315

6 Claims. (Cl. 194—16)

1. In an electromagnetic device, operating windings, an armature having a normal position and operative positions on opposite sides of said normal position, means for holding said armature in normal position comprising a pair of leaf springs and an abutment carried by the armature and extending between said springs, a fixed bifurcated strip between said springs serving to stop them in normal position, and spring contacts arranged to be closed respectively by



said first mentioned springs when they are flexed away from said bifurcated strip.

2,099,125

PIPE CLIP

Esther A. S. Langslow, New York, N. Y.

Application September 26, 1936, Serial No. 102,781

2 Claims. (Cl. 131—12)



1. As an article of manufacture, a pipe supporting stand of the type in which a pipe may be freely inserted and removed, and held by friction holding members, and characterized in that the pipe may be held with the stem extending vertically upward, horizontally, or at any desired intermediate angle; comprising a base, upwardly extending resilient holding members, positioned to correspond with the opposite sides of the bowl of a pipe, that may be inserted therebetween, and knob shaped members on the said upwardly extending members, and mounted therein, and further characterized in that said knob shaped members, being adapted to yield, move outward around the bulging portion of the bowl of a pipe, and inward as the bowl is moved downward on the stand, fitting snugly over the relatively smaller upper portion of either the side or top of the bowl, resiliently holding said bowl against the base in substantially any position, said knob shaped members being arranged in pairs and rotatable, and providing relatively snug holding means to prevent slippage of the bowl, with the pipe in any position, each pair of said knob shaped members being mounted by pins at the upper ends of said upwardly extending holding members.

2,099,126

METHOD OF FORMING TUBES

Gabriel Larsen, Springfield, N. J., assignor to L. E. Waterman Company, New York, N. Y., a corporation of New York

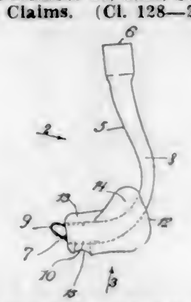
Application April 27, 1935, Serial No. 18,701

3 Claims. (Cl. 41—35)



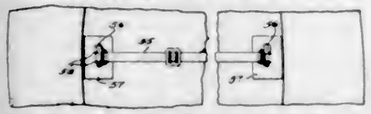
1. The method which comprises forming two tubes of contrasting appearance and of substantially equal diameter, cross-section and wall thickness, forming recesses in the wall of one of said tubes and correspondingly located and substantially identically shaped recesses in the wall of the other tube, and securing in the recesses in one tube the material removed from the other tube in forming the recesses therein.

2,099,127
PHARYNGEAL BULB GASWAY
Beverley C. Leech, Regina, Saskatchewan, Canada, assignor to The Foregger Co., Inc., a corporation of New York
Application December 30, 1936, Serial No. 118,213
6 Claims. (Cl. 128—208)



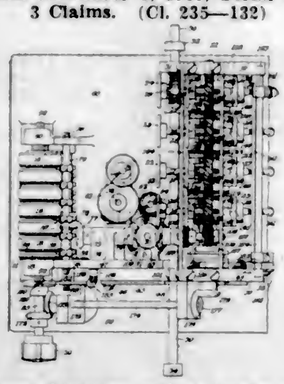
1. As an article of manufacture a curved pharyngeal airway tube, a bulb of resilient material secured to the tube at its lower end, said bulb having the contour of an average adult pharynx, said tube having two metal loops extending forwardly from its lower end.

2,099,128
HAT FASTENER
Sarah Lipton, New York, N. Y., assignor to Ruby Lipton, New York, N. Y.
Application March 31, 1936, Serial No. 71,828
6 Claims. (Cl. 132—58)



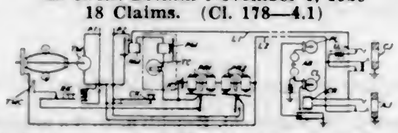
1. A chin strap for hats comprising a chin band, fabric tabs at the opposite ends of the bands, each having a plurality of eyes therein, and safety pins attached to the ends of the band and detachably connecting the band to the tabs through the eyes, the arrangement being such that the tabs may be stitched to the hat to form connectors for detachably mounting the band.

2,099,129
FLUID DISPENSING APPARATUS
Carlton L. McMullen, Llanerch, Pa.
Application November 5, 1935, Serial No. 48,275
3 Claims. (Cl. 235—132)



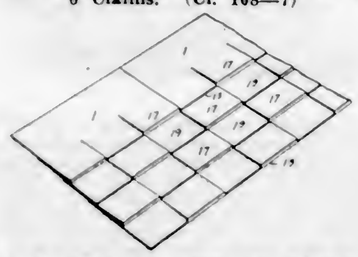
1. The combination with a shaft; of adjustable tripping mechanism for predetermining a number of revolutions of said shaft, including a manually rotary member which must be moved axially to free it for rotational movement to set it with reference to a series of numerals, detent means for temporarily detaining said manually rotary member in any selected position in which it is set, and means for automatically releasing said manually rotary member and permitting it to move axially toward its original position after the predetermined number of revolutions of said shaft.

2,099,130
PRINTING TELEGRAPH MANUAL EXCHANGE SYSTEM
Eric Malcolm Swift McWhirter and James George Flint, Aldwych, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 25, 1930, Serial No. 491,114
In Great Britain November 6, 1929
18 Claims. (Cl. 178—4.1)



1. In a motor controlling arrangement, a motor, a line connected to a distant source of current, means including a source of power and a circuit changing device responsive to a flow of current in said line for starting said motor, a condenser for obstructing current in said line, and remote control means for short-circuiting said condenser.

2,099,131
THICK BUTT SHINGLE
Stuart P. Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application February 27, 1934, Serial No. 713,093
6 Claims. (Cl. 108—7)

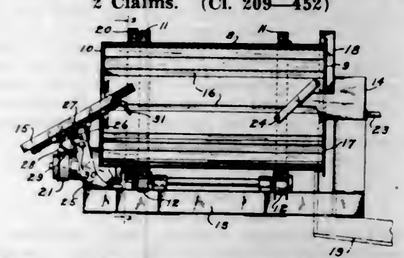


5. A light weight thickened butt shingle comprising a flexible fibrous base having a coating of light weight bituminous mastic material thereon, said mastic coating imparting a thick butt appearance to a portion of the exposed butt edge of said shingle, another portion of said exposed butt edge being relatively thin, both said thick and thin butt edge portions being relatively wide to simulate the butt edges of relatively thick and relatively thin shingles respectively as distinguished from spaces between shingles.

2,099,132
PROCESS OF MAKING CLUTCH FACINGS, BRAKE LININGS, AND LIKE PRODUCTS
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application March 24, 1936, Serial No. 70,715
1 Claim. (Cl. 91—70)

A process of making clutch facings, brake linings and like products, from porous heat-resistant material, capable of providing the body and strength necessary to resist abrasion and heat deterioration under conditions to which said products may be subjected in use, which comprises saturating the said porous heat-resistant material under vacuum with a heat decomposable bituminous saturant containing substantially more than 10% free carbon to uniformly impregnate said material and substantially completely fill the pores therein with the free carbon substantially uniformly distributed in said pores, and then baking the impregnated material at a temperature and for a period of time sufficient to cause partial decomposition of the saturant to produce a hard, coke-like, substance filling the pores of said material, whereby a hard, dense, product containing from 26 to 28% by weight of such coke-like substance and resistant to abrasion and heat deterioration results.

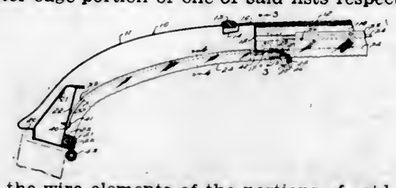
2,099,133
GRANULAR MATERIAL WASHER
Alexander L. Munro and Harvey H. Rumpel, Milwaukee, Wis., assignors to Smith Engineering Works, Milwaukee, Wis., a corporation of Wisconsin
Application January 4, 1935, Serial No. 334
2 Claims. (Cl. 209—452)



1. In combination, a rotary drum having internal flights for precipitating admitted material across the drum axis, feed means for delivering mixed fine and coarse granular material through an axial opening into one end of said drum, means for delivering liquid along the bottom of said feed means and through said opening, an inclined plate disposed within said drum and extending downwardly away from a point above said opening to conduct material precipitated thereon by said flights away from the feed end of said drum, means for effecting delivery of fine material directly from the peripheral portion of the feed end of said drum, an inclined discharge chute adjustable longitudinally of the drum axis and extending into the opposite end of said drum, the space within said drum between said plate and chute being devoid of obstruction, and means for producing a flow of liquid from beneath said chute toward the feed end of said drum and through the mixed material delivered from said feed means.

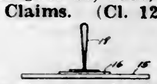
2,099,134
VEHICLE BODY CONSTRUCTION
Harry H. Nissley, Highland Park, and Gabriel M. Mazzie, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 21, 1935, Serial No. 2,654
3 Claims. (Cl. 296—137)

1. In a vehicle comprising a roof structure having transversely arched side marginal portions and having a relatively flatter central portion, a substantially assembled head lining portion and mounting structure therefor including a piece of sheet lining material, transversely extending lists spaced longitudinally of said lining material having edge portions fixed to the exterior side thereof, portions of lists having arched edge portions, means for securing said lists to said roof structure including wire elements, each fixed to the outer edge portion of one of said lists respective-



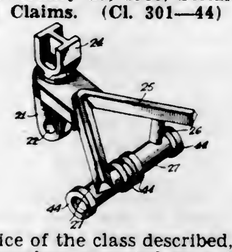
ly, the wire elements of the portions of said lists which register with the arched portions of said roof structure being bowed to correspond with the curvature thereof, substantially rigid members fixed to said lining material and extending along the longitudinal edges of the flat portion of said roof structure and secured thereto, and means for tensioning said lining material between said members comprising a flexible strip initially assembled with said lining material.

2,099,135
ADVERTISING BLOTTING DEVICE
Eugene F. O'Neill, St. Paul, Minn., assignor of fifty per cent to Frank M. Skaj, St. Paul, Minn.
Application August 29, 1935, Serial No. 38,415
4 Claims. (Cl. 120—24)



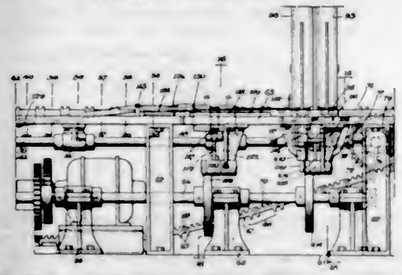
1. A blotting structure having in combination, a blotter of sheet material, a second sheet of material secured to the top surface of said blotter and folded into a narrow loop upstanding from said blotter, a member of resilient material disposed in said loop and secured to said blotter whereby said loop may be bent over substantially into the plane of said blotter and will be returned to its vertical position by said member.

2,099,136
TRACTION WHEEL
Karl Johan Engelbert Nilson, Schenectady, N. Y.
Application February 19, 1936, Serial No. 64,664
2 Claims. (Cl. 301—44)



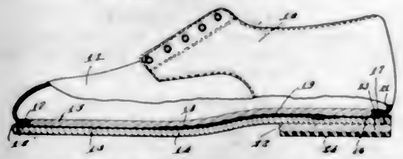
1. In a device of the class described, a traction wheel, shoe members mounted upon the edge of the latter and comprising a bifurcated body portion, a sharp-edged block member opposite said bifurcated portion and threaded into the latter, a V-shaped tapered section integral with said bifurcated portion, short rods depending from and integral with said V-shaped portion, and short cylindrical tubes integrally secured at the lower ends of said rods and adapted for attachment to the peripheral edge of said wheel.

2,099,137
MACHINE FOR MAKING MATCH PACKETS
John R. Nolan, Larchmont, N. Y., assignor to The Diamond Match Company, Wilmington, Del., a corporation of Delaware
Application August 12, 1936, Serial No. 95,534
21 Claims. (Cl. 93—2)



1. The combination with juxtaposed cover and match conveyers each comprising a succession of supporting members, means for imposing cover strips of flexible material on and transversely of the supporting members of the cover conveyer, means for bending at least one end portion of each cover strip to provide a resilient end fold arranged and adapted to be drawn against match stems protruding from a matchholder borne by the cover conveyer, means for applying match holders to the bodies of the respective cover strips imposed on the cover conveyer, means for inserting in the respective holders rows of matches supported by the adjacent members of the match conveyer so that the stem ends of the matches protrude beyond the holders, means for folding the cover strips upon the proximate holders and with the resilient end folds of the strips positioned across the protruding match stems, and means for pinching and fastening the ends of said resilient folds to the walls of the respective covers.

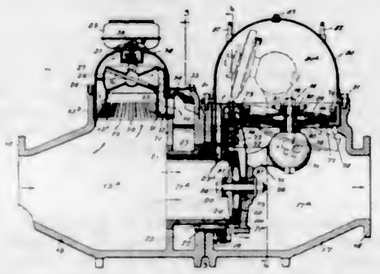
2,099,138
SHOE
Burt F. Norcross, Dorchester, Mass.
Application January 10, 1936, Serial No. 58,480
1 Claim. (Cl. 36—17)



An improved shoe comprising in combination, an upper, a counter, a welt stitched to said upper and counter, a heel member and outer sole member, said outer sole member being stitched to said welt, said heel member being attached to said outer sole member by means of nails driven from the inside of said shoe through the said counter, upper, and welt member and terminating in said outer sole and heel member.

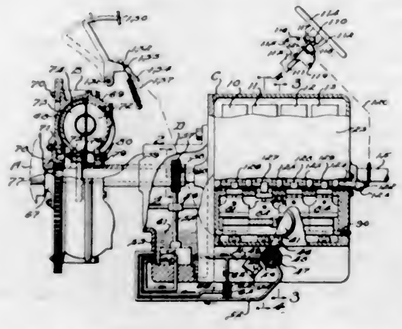
2,099,139
WATER METER
Edward Nuebling, New York, N. Y.
Application March 22, 1935, Serial No. 12,372
3 Claims. (Cl. 73—203)

1. In a water meter, the combination of a casing provided with connected inlet and outlet chambers constituting an internal main line channel, movable valve means for controlling the flow through said main line channel, by-pass means leading from said inlet chamber to said outlet chamber, a measuring chamber in said by-pass means, operating means in said measuring chamber actuated by the flow therethrough, a rotatable friction disc operated by said operating means, a totalizer including a friction wheel operated by said friction disc to register the flow



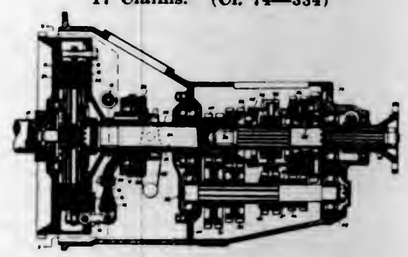
through said by-pass means, a second movable totalizer including a second friction wheel in engagement with said friction disc, and means controlled by the movements of said valve means to adjust said second totalizer and shift said second friction wheel relatively to said friction disc in accordance with the position of said valve means whereby said second totalizer co-operates with said first totalizer to register the total flow through said meter.

2,099,140
TRANSMISSION
Herbert F. Patterson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1934, Serial No. 708,234
38 Claims. (Cl. 74—262)



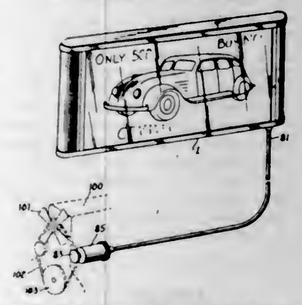
1. In a braking mechanism, a rotatable drum, a plurality of substantially semi-circular bands, shoes respectively associated with said bands for engagement with said drum, one of said shoes being substantially semi-circular and the other being substantially circular, means for anchoring said bands, and means for actuating said bands, said actuating means applying a differential of force to said bands whereby to substantially equalize the braking effort applied to said drum.

2,099,141
PRESELECTIVE CHANGE-SPEED GEARING
Reid Antony Railton, Byfleet, England, and Achille Charles Sampietro, Genoa, Italy, assignors to Robot Gearing Limited, London, England, a company of Great Britain
Application June 28, 1935, Serial No. 28,810
In Great Britain July 5, 1934
17 Claims. (Cl. 74—334)



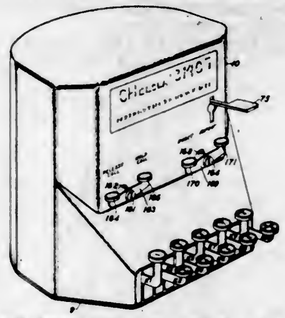
1. A preselective change-speed gearing having two gear-selecting clutches, a clutch-actuating element movable one side and the other of a neutral position to engage said clutches alternatively, two levers movable about parallel axis and so geared together that they are constrained to rock in opposite directions, a gear-changing control member operatively connected with said geared levers, which are disposed one on each side of said clutch-actuating element so as to be capable of moving said element to the neutral position as a result of operation of said control member in one direction, a rocking lever pivotally mounted on said clutch-actuating element and capable of engaging with said geared levers alternatively, so as to couple one or other of said geared levers to said clutch-actuating element, and preselector control means including a cam capable of actuating said rocking lever.

2,099,142
DISPLAY DEVICE AND DRIVE THEREFOR
Charles Roberts, New York, N. Y., assignor to Multiposter Advertising Corporation, New York, N. Y., a corporation of New York
Application November 13, 1936, Serial No. 110,574
17 Claims. (Cl. 40—36)



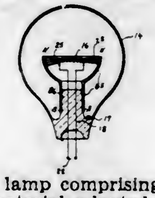
1. In a display device having a window therefor and comprising an elongated track circuit horizontal to and traversing said window, display holders movably restrained in said track circuit, a motor driven conveyor circuit within said track circuit, and a magazine for said holders composed of that portion of said track circuit embracing both ends thereof and including the side traversing said window filled with compacted display holders.

2,099,143
CALL TRANSMITTER DEVICE
John G. Roberts, Dobbs Ferry, and Charles D. Richard, West New Brighton, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 20, 1936, Serial No. 86,284
32 Claims. (Cl. 179—90)



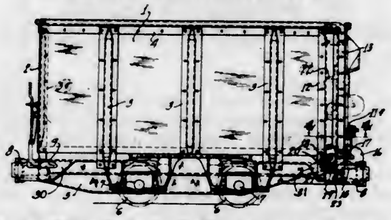
31. A call transmitter in which a set of keys controls an impulse mechanism to transmit a code of impulses according to the keys depressed, characterized in this, that the impulse mechanism is started in operation by the depression of the first digit key, and an auxiliary key is provided which when actuated prior to the digit keys prevents the impulse mechanism from functioning until such key is released.

2,099,144
MAGNETIC DISCHARGE DEVICE
Charles Spaeth, Flushing, N. Y.
Application December 11, 1933, Serial No. 701,843
4 Claims. (Cl. 176—1)



1. An electric lamp comprising, an emitter of ferromagnetic material adapted to emit minute ferromagnetic particles when heated, means for heating the same, and magnetic means for directing said emitted particles.

2,099,145
VEHICLE STRUCTURE
William M. Sheehan, Merion, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 14, 1935, Serial No. 36,050
13 Claims. (Cl. 105—364)



1. A vehicle body including an underframe and an upright corner post member having a bearing

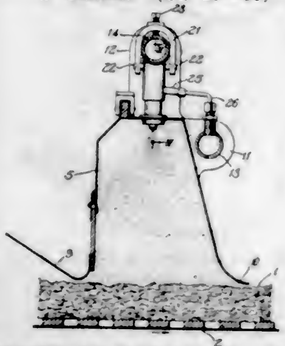
for mounting a vertically movable draft connection and for transmitting longitudinal forces from said connection to the remainder of the vehicle.

2,099,146

CONDITIONING TEXTILE STOCK

Hughes L. Siever, Keyser, W. Va., assignor to Borne Scrymser Company, New York, N. Y., a corporation of New Jersey

Application February 10, 1934, Serial No. 710,647
2 Claims. (Cl. 19—66)



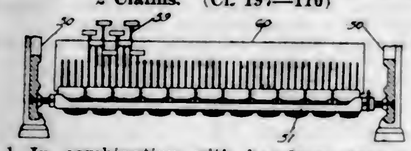
1. Apparatus for applying oil and like conditioning fluid to cotton stock comprising in combination, means for supporting a continuous, moving, flat lap of stock, a hood consisting of a box-like enclosure with an open bottom extending crosswise of the lap, means for supporting such hood over said lap with the edges of its open bottom in close proximity to the top surface of said lap, means for maintaining a low-pressure air dispersion or fog of the oil within the hood, said lap constituting a complete though porous closure to the open bottom of said hood and its proximity to the edges of said open bottom and the pressure condition within the hood being correlated to prevent substantial oil escape to the external atmosphere.

2,099,147

KEY-LEVER-LOCK FOR KEY-LEVER TYPE MACHINES

Lora Evans Tapp, New Albany, Ind., assignor of six and one-fourth per cent to James W. Baxter, Jr., six and one-fourth per cent to David F. Feiock, twelve and one-half per cent to James C. Riely, and twenty-five per cent to Hugh M. McCormick, all of New Albany, Ind.

Application February 4, 1937, Serial No. 124,020
2 Claims. (Cl. 197—110)



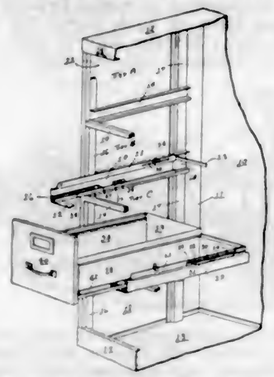
1. In combination with key-lever type machines, a key-lever-lock consisting of a line-lock-bar, an alignment-bar connected thereto, a plurality of segments rotatably mounted on said line-lock-bar and provided with tongues projecting to and under said alignment-bar, and a plurality of coiled springs attached to and below said alignment-bar to control and restore position to said segments by means of said segment-tongues.

2,099,148

FILING CABINET

Fred W. Tobey, Grand Rapids, Mich.

Application June 20, 1935, Serial No. 27,462
2 Claims. (Cl. 45—77)



2. In a structure of the class described: a cabinet provided with a pair of forwardly-rearwardly extending guides at its opposite sides respectively, each guide having vertically spaced flat track portions extending inwardly, a pair of connected slides extending parallel with and supported on the guides respectively, each slide having a vertical side wall middle portion with a medial bearing and a bearing adjacent its forward end, each slide having also a pair of vertically spaced flat track portions extending inwardly from said middle portion, the lower one of the slides' pair of track portions having a medial opening therethrough and the upper track portion of said pair having an upwardly extending inner side wall having a bearing; a drawer having on its opposite sides respectively forwardly-rearwardly extending flat runners, each having an upwardly extending side wall having a bearing; antifriction rollers comprising a roller between said runner and the lower track portion of the guide extending through said medial opening in the lower track portion of the slide and having an axial spindle rotatable in the medial bearing in the middle side wall portion of said slide, a roller between said runner and the lower track portion of the slide having an axial spindle rotatable in the forward bearing in the slide's middle side wall portion, a roller between the guide's upper track portion and the slide's upper track portion having an axial spindle rotatable in the bearing in the upwardly extending side wall of the slide, and a roller between the slide's upper track portion and said runner having an axial spindle rotatable in the bearing of the side wall of the runner, each of said rollers being laterally spaced from the side walls adjacent its opposite sides and axially movable relatively thereto to permit free forward-rearward movement of the drawer and the slide.

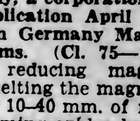
2,099,149

BUILDING BLOCK

Alexander N. Turnquist, Glen Ellyn, Ill.

Application February 10, 1937, Serial No. 125,094
2 Claims. (Cl. 72—25)

1. A slab-like building block consisting of a plurality of superposed layers of material, one layer of which protrudes beyond the adjoining layer continuously for one-half way around the edge of the block, and recedes continuously for the other half way, thereby providing tongue means on half the perimeter and groove means on the other half of the perimeter of the block to interengage with corresponding groove and tongue means on the perimeter of the adjoining blocks



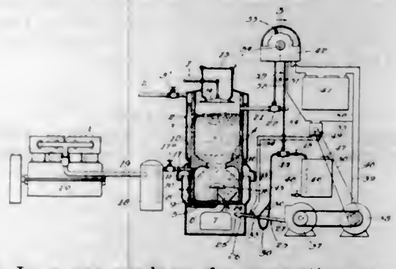
to prevent relative movement in one direction, and flaring means on said blocks including their tongue and groove means to prevent separation thereof in another direction.

2,099,150

APPARATUS FOR PRODUCING GAS

Arthur P. van Heeden, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Original application May 31, 1927, Serial No. 195,193, now Patent No. 1,900,141, dated March 7, 1933. Divided and this application January 6, 1932, Serial No. 585,045. Renewed February 13, 1937
4 Claims. (Cl. 48—87)



3. In a gas producer for generating gaseous fuel from solid carbonaceous material, the combination of means including an air blower for introducing air to the producer, fluid fuel supply means discharging into the producer, a valve in the fuel supply means, an ignition device for igniting the fluid fuel issuing from the last-named means, and a manually operable control switch and means associated therewith for actuating said blower, valve and ignition device.

2,099,151

PRODUCTION OF MAGNESIUM FROM MAGNESIUM OXIDES

Adolf Vogt, Tschechnitz, near Breslau, Germany, assignor to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation

No Drawing. Application April 3, 1936, Serial No. 72,540. In Germany May 22, 1935
8 Claims. (Cl. 75—10)

1. Process for reducing magnesium oxide which comprises melting the magnesium oxide in a vacuum of about 10–40 mm. of mercury with a reducing agent forming oxides less volatile than magnesium, in the presence of sufficient flux to liquefy the mixture.

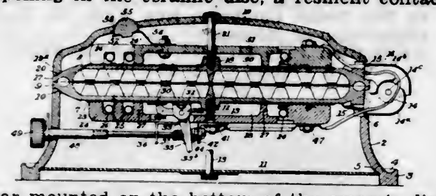
2,099,152

WAFFLE IRON

Emil Walder, Greensburg, Pa., assignor to Porcelier Manufacturing Company, Greensburg, Pa., a corporation of Pennsylvania

Application October 29, 1934, Serial No. 750,420
2 Claims. (Cl. 219—19)

1. A waffle iron or the like comprising a metallic grid member, an electric heater therefor, a ceramic disc under the grid member supporting the electric heater, a thermostatic strip secured to the grid member on the under surface thereof arranged to be affected by the heat of the grid, an elbow lever pivotally supported on the bottom of the grid having an arm engaging said strip, the other arm of said lever passing through an opening in the ceramic disc, a resilient contact



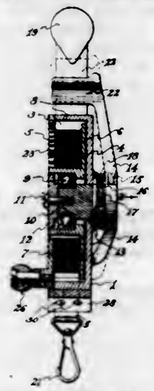
bar mounted on the bottom of the ceramic disc and engaging the other arm of said elbow lever and resisting movement of the lever and serving to hold the first arm of the lever in contact with the thermostatic strip, a contact member mounted on the bottom of the ceramic disc toward which the contact bar is urged by its resilience and away from which it is moved by said lever under actuation of the thermostatic strip.

2,099,153

GAUGER'S TAPE REEL

William L. Walker, Tulsa, Okla.

Application July 17, 1936, Serial No. 91,210
7 Claims. (Cl. 242—84.8)



1. The combination with a gaugers' tape reel disposed within a casing and having a tape therein and from which the tape is fed, a handle member for the casing, a clutch means for controlling the feeding of the tape, wiper means for wiping the tape, of a single lever for simultaneously controlling the operation of both the clutch means and the wiper means.

2,099,154

SHRINKAGE CONTROL OF FLEXIBLE PRINTING PLATES AND THE LIKE

Gilbert C. Waters, Rochester, N. Y., assignor to Econo Products, Inc., Rochester, N. Y., a corporation of New York

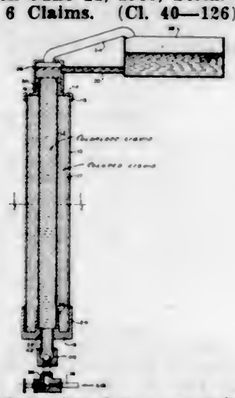
Application May 7, 1934, Serial No. 724,279
3 Claims. (Cl. 101—379)



1. A pliable printing plate having substantially zero lateral stretch, comprising a printing surface

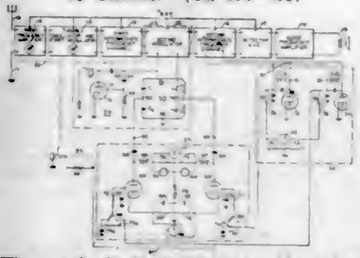
of pliable cured rubber, and an integrally associated reinforcing element, comprising a pliable layer of resin-filled fibrous material.

2,099,155
LIQUID DISPLAY DEVICE
Charles W. Weber, Margate City, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application June 11, 1936, Serial No. 84,716
6 Claims. (Cl. 40—126)



1. A liquid display device comprising concentrically arranged and similarly shaped transparent containers, a body of colored liquid adapted to fill the space between the containers, a body of colorless liquid adapted to fill the inner container, and means for causing turbulence of the colorless liquid to give an appearance of agitation to the colored liquid filling the space between the containers.

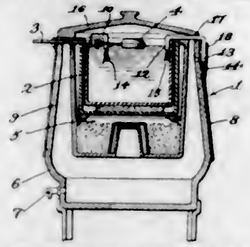
2,099,156
AUTOMATIC FREQUENCY CONTROL FOR OSCILLATION SYSTEMS
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application January 25, 1936, Serial No. 60,802
29 Claims. (Cl. 250—20)



1. The method of selective reception of signal-modulated carrier waves which includes: selectively tuning to any desired one of a plurality of modulated signal waves; generating and combining therewith a wave of approximately constant but incidentally variable frequency separation from the carrier frequency thereof to produce a modulated carrier wave of first intermediate frequency; broadly selecting the carrier wave of first intermediate frequency corresponding to said desired signal wave to permit normal deviations in the frequency of said carrier wave without substantial attenuation of the modulation frequencies thereof; generating and combining with said selected first intermediate-frequency carrier wave a second wave of substantially constant frequency to produce a modulated carrier wave of second intermediate frequency; modifying the frequency of said second generated wave within a range of a small per cent of its mean value in accordance with, and responsive to, predetermined deviations of the carrier frequency of said second intermediate-frequency wave from its normal frequency to restore it thereto; sharply selecting the carrier wave of second intermediate frequency corresponding to said desired signal wave; and thereafter converting and utilizing said modulated carrier wave of second intermediate frequency.

5. In combination; a tuned circuit comprising two arms effectively in parallel each including at least two impedance elements, said arms including, respectively, reactance elements of opposite type; and means for controlling the resonant frequency of said circuit without varying the physical values of any of said elements, comprising a pair of conductive paths individually effectively connected, respectively, across a reactance element of one of said arms and across a reactance element of the other of said arms, and means for adjusting the resistances of said paths to like extent but in opposite senses to alter simultaneously in the same sense the effective inductance and capacitance of said circuit.

2,099,157
WATER COOLER
Guido J. Wiggenhorn, South Pasadena, Calif.
Application November 10, 1936, Serial No. 110,102
3 Claims. (Cl. 62—154)

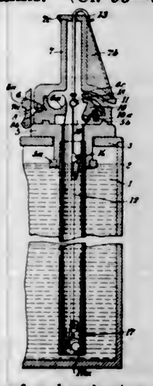


1. A water cooler comprising a water container having a sleeve of blotting paper embracing its side walls, said container having an open top, a plurality of U shaped tubes containing wicks, said tubes having legs of unequal length, the shorter legs extending into the water container and the longer legs extending between the side walls and the blotting paper, the intermediate portions of the U shaped tubes resting upon the rim of the water container and a removable cover therefor, said cover being provided with notches to accommodate the U shaped tubes resting upon the rim of the water container.

2,099,158
PROCESS OF PREPARING GLUCOSIDES HAVING AN ACTION ON THE HEART OBTAINED FROM OLEANDER LEAVES
Max Bockmühl and Gustav Ehrhart, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 27, 1936, Serial No. 87,802. In Germany July 12, 1935
4 Claims. (Cl. 87—28)

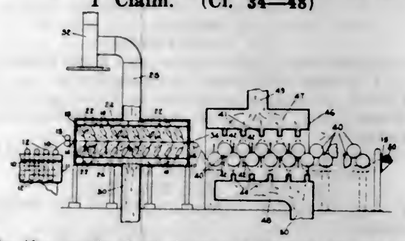
1. The process which comprises extracting an aqueous extract of oleander leaves with a chlorinated aliphatic hydrocarbon, and precipitating the glucosides having an action on the heart dissolved therein by means of a liquid saturated hydrocarbon.

2,099,159
DEVELOPING APPARATUS
Ferdinand Busse, Munich, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application July 9, 1936, Serial No. 89,718
In Germany July 12, 1935
7 Claims. (Cl. 95—90.5)



1. An apparatus for developing roll film at daylight which comprises a tank for a developing bath, a tube in said tank, means for carrying said tube, an ante-chamber removably mounted on said means and carrying said film, a clip attachable at the advance end of the film for drawing the film into said tube, and a clip attachable to the upper waste end of the film for supporting the film in stretched condition in said tube.

2,099,160
METHOD AND APPARATUS FOR DRYING
William Hale Charch, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1935, Serial No. 46,325
1 Claim. (Cl. 34—48)



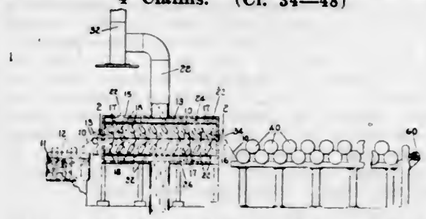
In the method of drying a highly shrinkable, non-fibrous, transparent, cellulosic web adapted to be used as wrapping tissue, which web has been saturated with a treating liquid, the steps comprising passing said web substantially saturated with treating bath liquid through a drying zone comprising a plurality of open flames in which said web is maintained out of contact with any solid surface whereby to preliminarily dry the same, continuing the drying thereof by passing said web into contact with a drying roll, and simultaneously passing a hot gas against a section of said roll in such a quantity and velocity as to prevent adherence of the said web to said roll.

2,099,161
GRINDING MACHINE
Adolph L. De Leeuw, Plainfield, N. J., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 30, 1935, Serial No. 38,633
6 Claims. (Cl. 51—105)



1. In a grinding machine, a work holder, a grinding wheel, a steadyrest, a slide for said grinding wheel, a slide for such steadyrest, power means to advance and retract the first named slide, power means to advance and retract the second named slide, means synchronizing movement of said slides, and automatic means to cause said slides to stop at a predetermined position.

2,099,162
PROCESS AND APPARATUS FOR DRYING
Walter C. Eberlin, Kenmore, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1935, Serial No. 46,326
4 Claims. (Cl. 34—48)

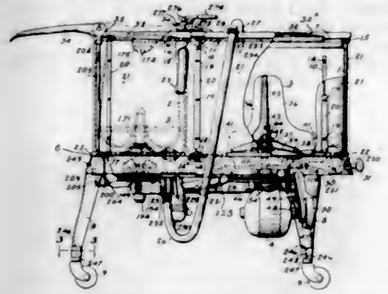


1. In the method of drying highly shrinkable, non-fibrous, transparent, cellulosic webs, the steps comprising preliminarily drying wet webs by passing the same into close proximity with a plurality of open flames on both sides of said web while maintaining the same out of contact with any solid surface until the water content of said webs is below 225% thereof, and continuing the drying thereof while in contact with a drying surface.

2,099,163
COMBINED WASHING AND DRYING MACHINE
Walter A. Frantz, Shaker Heights, and John J. McCabe, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 27, 1932, Serial No. 614,001
10 Claims. (Cl. 68—15)

1. In a laundry machine, in combination, a casing structure having compartments located side by side, an elongated supporting base of

unitary construction for carrying said casing structure, operating mechanism carried by said base, laundering means in the compartments of said casing structure operatively connected to said mechanism, said base being formed from sheet metal and having horizontal, vertically off-



set portions and angularly disposed interconnecting stiffening web portions whereby a rigid light-weight base is provided, and a gear case for said operating mechanism supported in an aperture formed in the lowermost offset portion of said base.

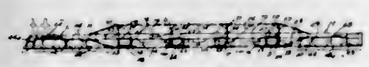
2,099,164

RAILWAY VEHICLE STRUCTURE

Einar G. Hallquist, Wallingford, Pa., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application July 12, 1934, Serial No. 734,708

10 Claims. (Cl. 105—414)



1. A railway vehicle underframe including a center sill, side parts, and cross tie units bracing said parts and with elements for attachment to said center sill, said side parts and cross tie units depending substantially beneath the level of said sill for mounting closure structure for the vehicle under-equipment and the depending portion of one of said cross tie units being located at one end of the underframe and being of streamlined contour for mounting end closure structure for the vehicle under-equipment.

2,099,165

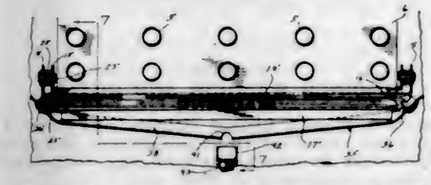
REFRIGERATOR DRIP CATCHER AND AIR CIRCULATION CONTROL

Ray M. Henderson, Houston, Tex.

Application August 16, 1933, Serial No. 685,488

Renewed March 9, 1937

24 Claims. (Cl. 62—103)



23. In a drip catcher, an assembly of spaced apart louvers, an assembly of spaced apart troughs arranged one below the lower edge of each louver, and means insulatively spacing the trough assembly from the louver assembly.

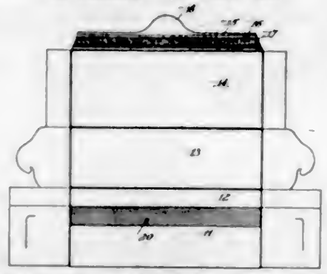
2,099,166

CARTON CONSTRUCTION

Harry A. Inman and William H. Inman, Newark, N. Y., assignors to Bloomer Bros. Company, Newark, N. Y., a corporation of New York

Application March 23, 1936, Serial No. 70,288

14 Claims. (Cl. 229—51)



6. A carton comprising two layers of fibrous sheet material overlapped with each other, adhesive interposed between said two layers for securing the two layers to each other; means on one of said layers to strengthen the bond of the adhesive with that layer, and means on the other of said layers to weaken the bond of the adhesive with that layer.

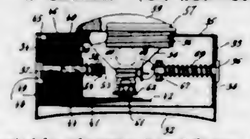
2,099,167

PORTABLE ELECTRIC HEAD LAMP

William F. Koepke, New York, N. Y., assignor of thirty per cent to Adolph Berg, New York, N. Y.

Application December 15, 1936, Serial No. 115,904

2 Claims. (Cl. 240—59)



1. A portable electric head lamp including, in combination, a source of electromotive force, a rotatable barrel having a metal end wall forming a conducting member, a lamp bulb carried by said barrel in electrically conductive relationship with said source and an insulating strip carried by said metal end wall to form a make and break member in the electrical connection between the lamp bulb and source.

2,099,168

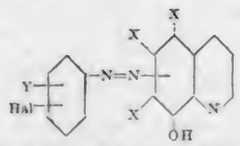
AZO DYESTUFFS

Max Albert Kunz, Mannheim, and Hans Krzikalla and Walter Limbacher, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 6, 1934, Serial No. 719,404. In Germany April 13, 1933

3 Claims. (Cl. 260—38.5)

1. Azo dyestuffs, corresponding to the general formula:



wherein the azo group is attached to one of the positions marked X, the remaining X's being selected from the group consisting of hydrogen, halogen, methyl, nitro, amino and SO_3H groups,

and wherein Y is a member of the group consisting of hydrogen and SO_3H, the dyestuffs containing one SO_3H group in their molecule.

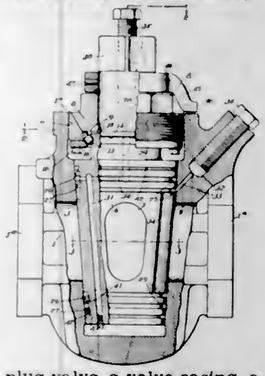
2,099,169

SEALING MEANS

John W. MacClatchie, Los Angeles, Calif., assignor to MacClatchie Manufacturing Company of California, Compton, Calif., a corporation of California

Original application August 8, 1934, Serial No. 738,975. Divided and this application April 26, 1935, Serial No. 18,280

17 Claims. (Cl. 251—93)



11. In a plug valve, a valve casing, a valve plug rotatable in the casing, the plug and casing being metal elements cooperating to define a seating surface, a groove in at least one of said cooperating elements at said seating surface, a side wall of the groove being undercut to form a metal lip integral with said one of the cooperating elements, the groove being open to the seating surface along the opposite side wall of the groove, and means for maintaining pressure in the groove and against the back of the lip, the lip having such inherently slight flexibility as to adapt it for limited expansion responsive to said pressure for sealing the lip against the other of said cooperating elements.

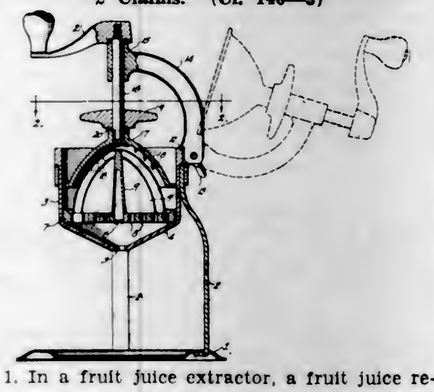
2,099,170

FRUIT JUICE EXTRACTOR

Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company, Kansas City, Mo.

Application June 22, 1936, Serial No. 86,456

2 Claims. (Cl. 146—3)



1. In a fruit juice extractor, a fruit juice receiving member, a standard for supporting said member, a fruit juice outlet for said member, a juice extracting reamer, lugs in said juice receiving member for positioning said reamer therein, an arm positioned adjacent said juice receiving member, said arm carrying a bearing and adapted to be swung into position over said reamer, a shaft slidable in said bearing, a fruit receiving member secured to one end of said shaft for rotation therewith, an operating handle secured to the opposite end of said shaft and a bearing member loosely positioned upon said shaft, adapted to transmit manual pressure upon said fruit receiving member.

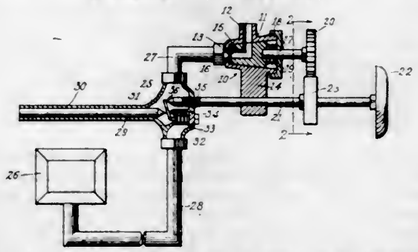
2,099,171

COMBINATION GAS COCK AND THERMOSTATIC CONTROL MEANS

Birchard L. Matthews, Lakewood, and John T. Marvin, Fairview Village, Ohio, assignors to The Patrol Valve Company, Cleveland, Ohio

Application October 27, 1934, Serial No. 750,240

2 Claims. (Cl. 236—15)



1. A control device for a fluid fuel burner, comprising in combination, a fuel line adapted to be connected with a source of fuel supply, a fuel flow regulating valve in said fuel line, a thermostat adapted to respond to the heat of the burner and associated with said valve for decreasing and increasing the flow of fuel through the valve in response to increase and decrease respectively, of the heat of the burner, means for regulating the effect of said thermostat on the valve, a shut-off valve in the fuel line, a single control device comprising a rotatable element for actuating the shut-off valve and the regulating means, and an intermittent driving gearing between the rotatable element and the shut-off valve whereby the regulating means for the thermostat can be regulated by further rotation of the rotatable element after the shut-off valve is opened.

2,099,172

SUCTION SWEEPER

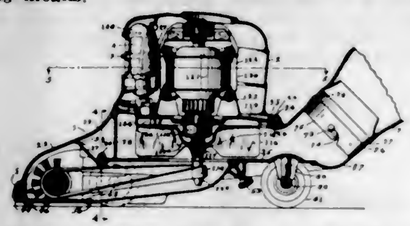
John J. McCabe and Arthur W. Seyfried, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application June 30, 1933, Serial No. 678,454

18 Claims. (Cl. 15—8)

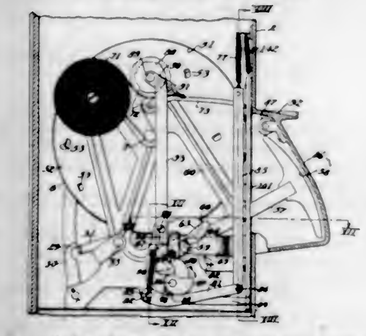
1. A sectional casing for vacuum cleaners and the like comprising, a motor cap or housing, a shell forming in part the walls of a fan case and suction chamber, a partition member cooperating with said shell and forming a wall of the fan case and in part the walls of the suction chamber at one side of the fan case, a cover plate cooperating with the two last named casing parts to complete the walls of the suction chamber, and means for securing the aforesaid casing parts one to the other in the order named.

3. A brush mounting for power driven suction sweepers comprising, a casing structure defining a suction mouth, a fan case and a communicating passageway therebetween, a suction fan in the fan case, means for driving said fan, a belt pulley rigid with said fan having its axis coaxial with the fan axis, a rotatable brush in the suction mouth, bearing means at the ends of said brush, a spring clip engaging said bearing means for detachably securing said brush and bearing means in the suction mouth, a pulley on said brush, belt means connecting said pulleys, said casing structure including an element rigid therewith in contact with said brush bearing means and in position to take pull of said belt means on said brush, and a brush adjusting member carried by said casing in contact with said bearing means, said member being maintained in its adjusted position by contact with said bearing means.



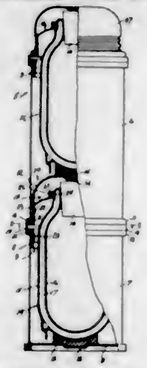
17. In a suction cleaner, a casing structure having smooth and exteriorly finished wall parts defining the suction nozzle, fan case and motor housing of the cleaner, said casing structure including wall sections extending outwardly and downwardly beyond the fan case defining open recesses at the underside of the cleaner, an operating handle for the cleaner having a bail the ends of which project into said recesses through apertures formed in said wall sections, and means beneath such apertures for pivotally securing the ends of said bail to said casing structure, one of the margins of said apertures providing a stop for the operating handle.

2,099,173
RECORDING MECHANISM FOR COIN-OPERATED MACHINES
George E. Norris, Columbus, Ohio
Application April 19, 1935, Serial No. 17,286
3 Claims. (Cl. 273—143)



1. In mechanism of the character described, a plurality of freely and independently rotatable reels, each of said reels being formed to include a hub, an outer peripheral flange and a connecting web uniting the hub with the flange, laterally extending, relatively spaced and spirally disposed stop lugs projecting from the sides of said webs, a plurality of type bars movably supported beyond the confines of said reels, and means operative only when said reels are stationary to advance said type bars from the outer circumference of said reels into engagement with certain of said stop lugs to regulate the printing positions of said type bars.

2,099,174
BOTTLE ASSEMBLY
Arthur H. Payson, Norwich, Conn., assignor to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio
Application August 18, 1937, Serial No. 159,687
9 Claims. (Cl. 215—13)



7. An upper bottle, a lower bottle, a casing section for each of said bottles, a coupling head adapted to be secured to the top of each of said casing sections, a closure cap adapted to tightly fit over the upper casing section coupling head, and a cup-shaped bottom closure secured to the upper casing section adapted to tightly fit over the upper coupling head for the lower casing section, and a closure for the lower casing section.

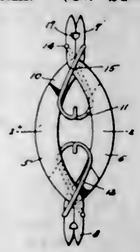
2,099,175
PROCESSED SUGAR AND METHOD OF MAKING THE SAME
Marion D. Rounds, South Braintree, Mass.
No Drawing. Application May 29, 1935, Serial No. 24,103
3 Claims. (Cl. 99—134)

1. A material adapted for use as an ingredient in making cooked frosting, fudge, and similar confectionery, for imparting a creamy texture thereto without beating, which comprises a cooked mixture of sugar, cornstarch, cream of tartar and water, said mixture having a creamy texture and a soft, moist consistency, said cornstarch and cream of tartar being proportioned with each other and with the sugar to maintain said consistency stable over long periods of time.

2,099,176
ALUMINOUS CEMENTS
Edward W. Scripture, Jr., Shaker Heights, Ohio, assignor to The Master Builders Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application September 28, 1936, Serial No. 102,889
10 Claims. (Cl. 106—24)

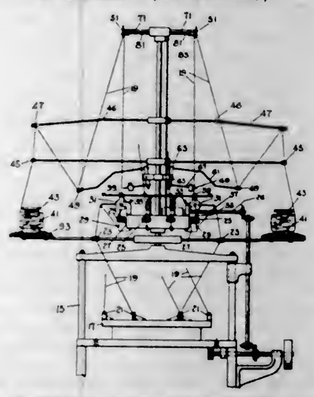
1. The process of making aluminous cement concrete which comprises mixing with aluminous cement, waste sulphite liquor residue.

2,099,177
CLOTHES PIN
David Claude Smith, Jacksonville, Ill.
Application February 13, 1937, Serial No. 125,648
1 Claim. (Cl. 24—81)



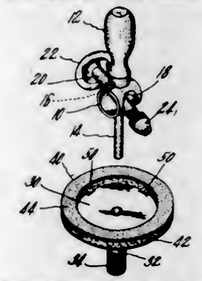
A clothes pin comprising a pair of duplicate members having rabbeted end portions provided with cooperating jaw extensions at opposite ends of the members, said rabbeted end portions providing relative movement between the members to open and close the jaws and spring means for each pair of jaws including end portions engaging the outer surfaces of the jaws to yieldably close the jaws and said spring means also including inwardly extending interconnected portions bridging the rabbeted portions and engaging opposite sides of the members to secure the same against lateral movement.

2,099,178
PROCESS AND APPARATUS FOR THE UTILIZATION OF ARTIFICIAL THREAD
Arthur L. Snyder, Garden City, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 3, 1936, Serial No. 72,621
16 Claims. (Cl. 66—125)



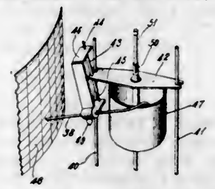
1. In a knitting apparatus suitable for use in knitting fabrics directly from spun cakes of artificial thread, cake supporting means, said cake supporting means having off-set portions to prevent pressure on said cakes at the lower internal periphery thereof, positively driven thread feeding mechanism for feeding the thread to knitting needles; thread tension releasing means, thread compressor means, and thread tension equalizing means, said releasing means, compressor means and equalizing means being positioned between said cake supporting means and said thread feeding mechanism.

2,099,179
SHARPENING DEVICE
Forest A. Stainbrook, Boston, Mass.
Application January 23, 1936, Serial No. 60,465
2 Claims. (Cl. 51—131)



1. In a sharpening device, a ring member of substantial thickness having two annular plane faces and inner and outer circular edges, abrasive material on one of said faces, a supporting disk concentric with said member, and means releasably holding said member in place on said disk, said means consisting of a plurality of ears struck up from said disk and engaging the inner edge only of said member.

2,099,180
LIQUID LEVEL RECORDER
John C. Stevens, Portland, Oreg., assignor to Leupold, Volpel and Company, Portland, Oreg., a corporation of Oregon
Application October 14, 1935, Serial No. 44,967
2 Claims. (Cl. 234—73)

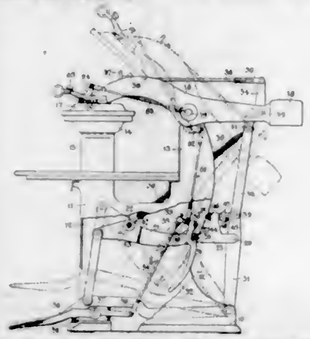


1. In a liquid level recorder, the combination of a movable record receiving surface, marking means comprising an ink well and pen, means for supporting the pen adjacent the record receiving surface, said means being rotatably mounted on a post inclined to the vertical and being axially slidable thereon and having an element for engaging the walls of said well and retaining the pen away from said surface.

2,099,181
GARMENT PRESSING MACHINE
William Strobridge, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1936, Serial No. 75,007
13 Claims. (Cl. 38—36)

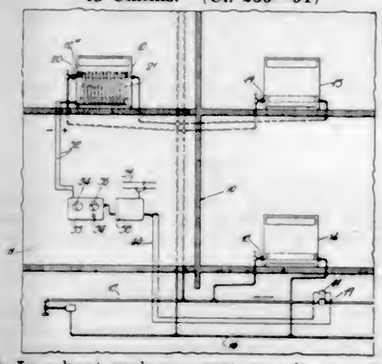
1. The combination of a press, comprising relatively movable pressing elements; actuating means therefor comprising a secondary toggle arranged to develop the pressing stress between said members as it approaches straight position, and a faster-moving primary toggle connected to shift the secondary toggle toward straight position as the primary toggle approaches straight position; and buffing means interposed between components of the respective toggles, and ar-

ranged to become effective as the two toggles approach straight positions, whereby the buffing reaction occurs between moving elements of the two toggles, and the resulting shock is substantially absorbed therein.



1. In a pressing machine, the combination of a pair of pressing members, one movable relatively to the other; means embodying at least one toggle for moving the movable element into pressing relation with the other; a roller carried by a swinging element of said toggle and adapted to serve as a keeper for a latch; a latch pivoted to a fixed portion of the frame, said latch having a shouldered portion adapted to engage behind said roller when the latch is engaged, said latch having an extension or tail-piece with which the roller contacts to determine the release position of the latch when the toggle is broken and is moved toward or from press closing or opening position; an arm extending laterally from the upper portion of the latch; and means associated with said arm for withdrawing the shouldered portion of the latch from the roller.

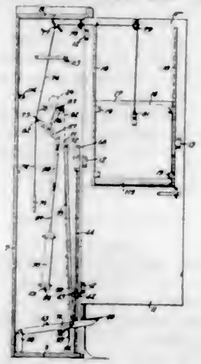
2,099,182
HEAT EXCHANGE SYSTEM
William Walter Timmis, Glen Cove, and William K. Walker, New York, N. Y., assignors to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application April 17, 1934, Serial No. 720,928
45 Claims. (Cl. 236—91)



9. In a heat exchange system, a heat exchange element, means for causing variation in a medium proportional to variation in heat exchange rate of said element, means for causing variation in a medium proportional to variation in the rate of heat transfer through the walls of a building, said two means being disposed to balance one medium by the other, and means operated by variation in said mediums from balanced relation for controlling the supply of operating fluid to said element.

38. The method of controlling a heat exchange element, which comprises varying an electric current as a direct measure of the heat exchange rate of said element, varying another current of corresponding range as a measure of the desired heat exchange rate, opposing said currents, and controlling the operation of said element in accordance with the value of said second-named current.

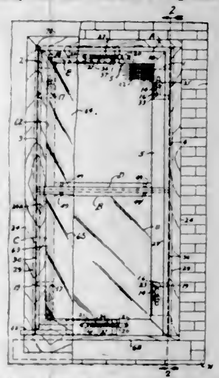
2,099,183
TOWEL DISPENSING DEVICE
James E. Trewhitt and Charles A. Old, Oakland, Calif., assignors to Joseph N. Borroughs, Oakland, Calif.
Application May 13, 1935, Serial No. 21,096
4 Claims. (Cl. 312—38)



3. In a dispensing device for continuous web toweling comprising a cabinet having a dispensing aperture therein, a closure for said aperture, a magazine adapted to hold a roll of said toweling, and a waste compartment in said cabinet, means for feeding pre-determined portions of said toweling from said magazine into said waste compartment in looped formation past said aperture comprising pairs of feed rollers for engaging said toweling in said magazine and said waste compartment, means for connecting said rollers for rotation together, a lever pivotally mounted in said cabinet and having a treadle portion thereof extending exterior of the cabinet, means operatively connecting said lever with said feed rollers and said aperture closure whereby said rollers will be rotated upon movement of said lever and said aperture closure will be moved to uncover said aperture, said means comprising a sprocket rotatably connected with one of said rollers, a chain engaging said sprocket and operatively connected with said lever, a flexible cord operable by said lever, and connected with said aperture closure, and a rigid member disposed in the loop of said toweling, said rigid member overlying and substantially covering said dispensing aperture.

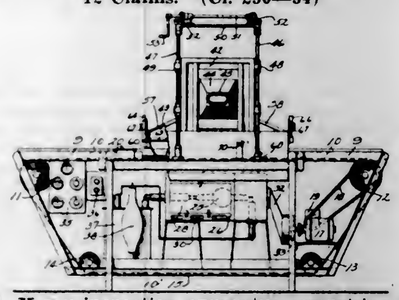
2,099,184
WINDOW MECHANISM
Frank E. Zick, Dearborn, Mich., assignor of one-half to Charles R. Emery, Dearborn, Mich.
Application May 13, 1935, Serial No. 21,140
21 Claims. (Cl. 189—76)

21. In a window mechanism for a window opening, the combination of a frame assembly comprising side portions adjustably connected, resilient means mounted to adjustably expand said frame assembly to fit window openings of differ-



ent sizes, and a window member supported by said frame assembly and extending between its side portions.

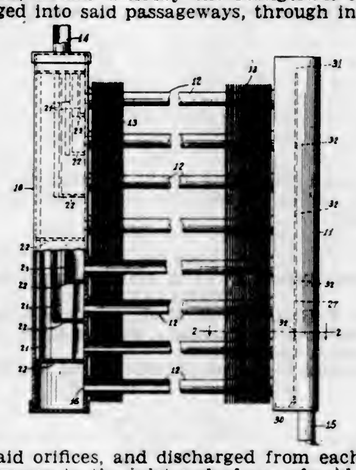
2,099,185
X-RAY INSPECTION APPARATUS
Matthew B. Adrian, Milwaukee, Wis., assignor to X-Ray Shoe Fitter, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application September 1, 1934, Serial No. 742,439
12 Claims. (Cl. 250—34)



1. X-ray inspection apparatus comprising the combination with a conveyor for propelling in a predetermined path the articles requiring inspection, and means for actuating said conveyor during inspection of articles thereon, of an X-ray tube arranged to discharge immediately across said path, an X-ray sensitive screen operatively disposed opposite said tube adjacent said path, a viewing chamber enclosing said screen for the exclusion of extraneous light and provided with inlet and outlet openings through which said articles move, and ray confining means at said inlet and outlet through which said conveyor and articles are freely movable.

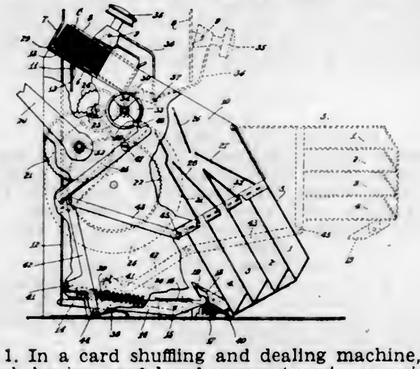
2,099,186
EVAPORATOR COIL
Reuben H. Anderegg, La Crosse, Wis.
Application December 24, 1935, Serial No. 56,034
15 Claims. (Cl. 257—248)

1. A device of the class described, comprising an evaporator having a number of coils, a distributor head comprising a vertically disposed housing, internal walls in said housing forming passageways, a refrigerant inlet chamber in the top of said housing having a number of outlet orifices, means whereby the refrigerant is discharged into said passageways, through individ-



ual said orifices, and discharged from each said passageway to the inlet end of one of said coils.

2,099,187
CARD SHUFFLING AND DEALING DEVICE
Raphael Atti, Union City, N. J., assignor to Homer H. Timbers, Glen Ridge, N. J.
Application March 5, 1935, Serial No. 9,521
8 Claims. (Cl. 273—149)

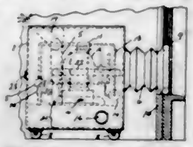


1. In a card shuffling and dealing machine, a rack having card hand compartments, a casing partially concealing said compartments, means for moving said rack out of said casing into an open position, means including a rotatable shaft for dealing cards into said compartments, means for locking said shaft against rotation, and means controlled by said rack for actuating said last mentioned means.

2,099,188
PORTABLE ROOM COOLING APPARATUS
John R. Ballard, San Francisco, Calif., assignor to Bal-Rod, Inc., San Francisco, Calif., a corporation of California
Application October 23, 1931, Serial No. 570,643
18 Claims. (Cl. 62—129)

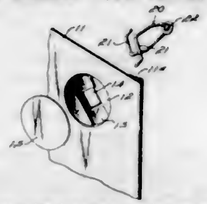
16. A room cooler unit comprising a refrigerant evaporator and air duct therefor, a refrigerant condenser and air duct therefor, means for effecting circulation of room air over said evaporator, means for effecting inflow of outside air

over said condenser and then to the outside for conducting condenser heat to the outside atmos-



phere, and ventilating means for supplying fresh outside air to the room air as it passes through the unit.

2,099,189
FASTENING DEVICE FOR PANELS OR THE LIKE
Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 29, 1934, Serial No. 759,615
4 Claims. (Cl. 45—138)



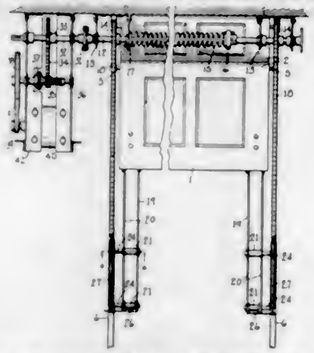
1. A fastener device comprising a sheet metal base having an embossment provided with an apertured offset portion, and a backing piece mounted within the embossment and forming with said offset portion a socket for receiving and supporting a projecting fastener.

2,099,190
PROCESS FOR DEWAXING OILS
Charles Douglas Barnes, Long Beach, and Marcellus T. Flaxman, Wilmington, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 24, 1936, Serial No. 65,414
10 Claims. (Cl. 196—19)

1. A process for conditioning oils preparatory to the separation of wax therefrom which comprises mixing said wax and oil with a wax separation aid containing cholesterol.

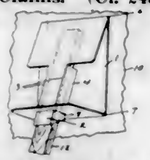
2,099,191
SLIDING DOOR
Herbert C. Blodgett, Hartford City, Ind., assignor to Overhead Door Corporation, Hartford City, Ind.
Application October 1, 1936, Serial No. 103,524
21 Claims. (Cl. 20—20)

1. In a vertical slidable door comprising a plurality of articulated sections provided with guide rollers, tracks for said rollers operatively mounted adjacent a door jamb and comprising horizontal and vertical portions connected by arcuate portions, means for raising and lowering said door from vertical closed position to horizontal open position and vice versa, comprising a cable attached at one end to the bottom of the door, and means actuating said cable engaging the same intermediate its ends, means for resiliently thrusting the uppermost of said sections against said jamb when said door is in closed position, comprising an arm pivotally connected to the upper section of said door, rollers carried by said arm disposed in one of said tracks, and a



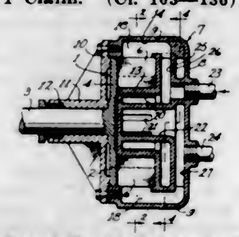
coiled spring connected to the other end of said cable and to the free end of said arm.

2,099,192
EASEL CONSTRUCTION
Frank O. Brant, Piedmont, Calif.
Application October 12, 1936, Serial No. 105,200
10 Claims. (Cl. 248—37)



1. In easel construction, a generally vertical display board and a rigid leg for supporting the same in upright slightly inclined position, said leg being positioned generally vertically with its upper end adjacent the rear side of the board and extending downwardly divergently outwardly of the board, a flat blank of sheet material separable from the leg secured to the board adjacent the upper end of the leg, and means hingedly connected to said blank arranged and adapted to removably engage the upper end of the leg in substantially embracing relation for removably securing the leg to the board.

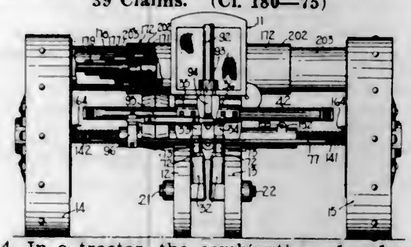
2,099,193
MOTOR OR PUMP
Curtis Francis Brightwell, Pasadena, Calif.
Application November 20, 1935, Serial No. 50,657
1 Claim. (Cl. 103—136)



In apparatus of the kind described to operate with a fluid, the combination of a rotor having an annular body with substantially radial guide slots therein for guiding blades, blades mounted in said slots, a stator comprising heads with a circumferential wall between the same, having outer

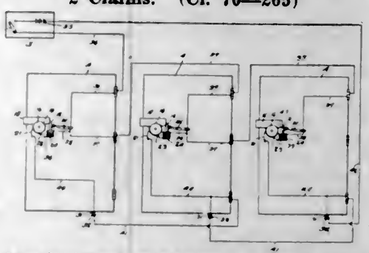
guide faces engaging the outer edges of the blades, one of said heads having an integral neck projecting into the said annular body, the outer side of said neck having inner guide faces for the blades engaging the inner edges of the blades, each of said guide faces extending along a curved line alternately approaching, so as to touch the adjacent face of the rotor and receding from the adjacent face of the rotor so as to form a plurality of chambers to receive the fluid extending along the path of movement of the blades as the rotor revolves, said stator having an inlet corresponding to each chamber and an outlet corresponding to each chamber, and said guide faces operating to shift each blade alternately inwardly and outwardly as the rotor revolves, the head carrying the said neck having an outer wall, an inner wall and an intermediate partition wall between the same, with a common inlet chamber formed between the partition wall and one of said head walls, communicating with all of said inlets, and having an outlet chamber between the partition wall and the other head wall communicating with all of said outlets.

2,099,194
TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 15, 1934, Serial No. 711,377
39 Claims. (Cl. 180—75)



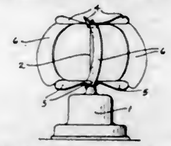
4. In a tractor, the combination of a frame, supporting wheels therefor, motive means on said frame for driving certain of said wheels, an axle housing having a central bore, an axle having threaded connection in said bore and adapted when rotated relative to the housing to be moved longitudinally thereof, one of said wheels being journaled on said axle, and means for locking said axle to said wheel whereby rotation of said wheel will cause said axle to move axially in said bore.

2,099,195
ELECTRICAL SAFETY SYSTEM
Irvin E. Butler, Baltimore, Md., assignor of one-half to John C. Fowler, Baltimore, Md.
Application November 30, 1934, Serial No. 755,303
2 Claims. (Cl. 70—265)



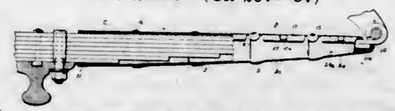
1. An electrical safety system for a structure, including a series of compartments, doors for each of said compartments, locks for said doors, contacts and contact plates carried by the doors and the frames therefor of said compartments, an electrical circuit associated with the locks, contacts and plates therefor, remote control for said circuit, means to manually operate said locks of an individual door when said circuit is energized, and further means to deenergize said circuit until said given door is closed and relocked.

2,099,196
ELECTRIC FAN
John E. Chapman, Springfield, Ill.
Application September 2, 1936, Serial No. 99,016
1 Claim. (Cl. 230—259)



In an electric fan, the combination comprising a motor, a fan shaft, extending uprightly from the motor and adapted to rotate therewith in horizontal plane, a fan fixed on said shaft and establishing a fixed connection adjacent the top and bottom of said shaft; said fan comprising a plurality of radially spaced blades, each curved arcuately with respect to the shaft and irregularly with respect to the plane in which the arc of the blade lies, a curved blade set for movement with each of said blades and fixed at the top of each blade and disposed in position to pull air downwardly from the top of the blade, a second curved blade fixed at the bottom of each of said fan blades for rotation therewith and disposed in position to pull air upwardly thereby.

2,099,197
SPRING COVER
George W. Crabtree, Cleveland Heights, Ohio
Application March 2, 1935, Serial No. 9,097
13 Claims. (Cl. 267—37)

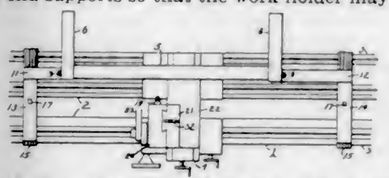


1. A cover for leaf springs comprising a plurality of substantially U-shaped flanged body sections adapted to be inserted over three sides of a spring, said sections having their contiguous end portions arranged in telescoped relation, hinge joint connections struck from the flanges of the sections within the region of said end portions and arcuate shaped bearing joints formed in the walls of the sections opposite said hinge connections, a cap member adapted to fit over said sections and complete the assembly, and means for detachably securing the cap member to the sections.

2,099,198
LATHE ATTACHMENT
Roy Culp, Battle Creek, Mich.
Application October 21, 1936, Serial No. 106,838
16 Claims. (Cl. 82—34)

1. The combination with an engine lathe provided with a lathe bed having longitudinal ways, and a saddle, of a work holding attachment mounted on said bed, and a tool holding attach-

ment mounted on said saddle, the work holding attachment comprising spaced transverse rails secured to said longitudinal ways for adjustment longitudinally thereof, cross slides secured to said rails for adjustment longitudinally thereof and transversely of said longitudinal ways of the lathe bed, vertical end supports journalled to said cross slides and arranged in spaced parallel relation above and toward the back of the lathe bed, a work holder disposed between said end supports, and means connecting said work holder to said end supports so that the work holder may be



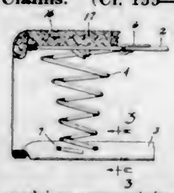
turned up or down through an arc of 90 degrees and secured in adjusted position, and the tool holding attachment comprising an upright fixed to the saddle, a gear carriage connected to said upright for vertical movement, means for moving said gear carriage up and down relative to said upright, a horizontal tool holder carried by said gear carriage and disposed transversely of said longitudinal ways of the lathe bed for cooperation with said work holder, and means acting to rotate said tool holder including a pulley driven worm and worm gear carried by said gear carriage.

2,099,199
ONE-PIECE BUCKLE
John A. Devendor and William A. Devendor, Jackson Heights, N. Y.
Application April 28, 1934, Serial No. 722,858
6 Claims. (Cl. 24—198)



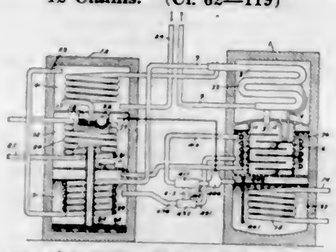
3. A slide for adjustable straps having inner and outer pairs of parallel slots therein and having passages letting obliquely into the slots of the outer pairs through the ends of the slide and passages letting obliquely into the slots of the inner pair through the sides of the slide.

2,099,200
SPRING CUSHION
John A. Findora, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application July 14, 1936, Serial No. 90,544
5 Claims. (Cl. 155—180)



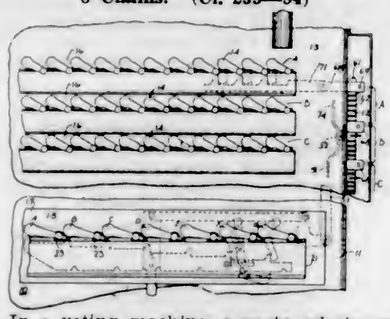
1. A spring cushion comprising a bottom marginal frame of inner and outer members, means securing the inner frame member to the outer frame member, a plurality of slats bridging the opening defined by the frame and secured at opposite ends to the opposite sides of the frame to rigidify the same, a plurality of springs supported by the said slats, a covering for the springs passing downwardly about the outer frame member to compress the springs and then inwardly about the inner frame member, and means securing the covering to the inner frame member whereby the outer frame member acts as a snubber to relieve the fastening means from a substantial portion of the pressure applied to the covering by the said springs.

2,099,201
ABSORPTION REFRIGERATING MACHINE
James L. Getaz, Maryville, Tenn.
Application October 19, 1935, Serial No. 45,755
12 Claims. (Cl. 62—119)



1. In an absorption refrigerating machine, a generator, an absorber, a pump for pumping strong liquor from the absorber to the generator, a motor for driving said pump, said motor being driven by the combined action of the weak liquor passing from the generator to the absorber combined with the action of a portion of the ammonia vapor which has been vaporized in said generator.

2,099,202
PARTY SELECTOR MECHANISM FOR VOTING MACHINES
Alvin N. Gustavson, Jamestown, N. Y., assignor to Automatic Voting Machine Corporation, a corporation of Delaware
Application November 26, 1932, Serial No. 644,468
8 Claims. (Cl. 235—54)



3. In a voting machine, a party selector unit having a plurality of indicators, a party lockout device for controlling the manipulation of candidate indicators, a bar in said unit, means operated by said indicators to differentially move said bar, an interlocking mechanism in said unit, said interlocking mechanism being connected with the party indicator means and operable thereby to prevent more than one party indicator being moved to indicating position at a time, and

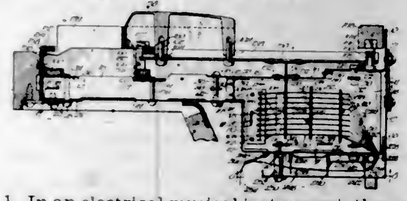
connecting means between said bar and said lockout device whereby manipulation of a party indicator will cause said lockout device to operate and release the corresponding party group of candidate indicators for voting.

2,099,203
ATTACHMENT FOR SMOKING PIPES
Harold F. Haines, Olympia, Wash.
Application February 9, 1935, Serial No. 5,751
6 Claims. (Cl. 131—12)



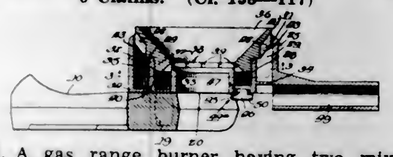
1. A device adapted to be removably secured to a smoking pipe having a headed pin extending from the stem thereof, comprising a shank having edges conforming to the shape of the inside of the smoking pipe bowl and terminating at one end in a picking point and at the other end in a tamping head, integral with said shank and bent therefrom at substantially right-angles; said shank being arcuate in longitudinal form and being adapted to be sprung under the head of the pin.

2,099,204
MULTIPLE KEY SWITCH
Laurens Hammond, Chicago, Ill.
Application April 24, 1936, Serial No. 76,157
19 Claims. (Cl. 84—337)



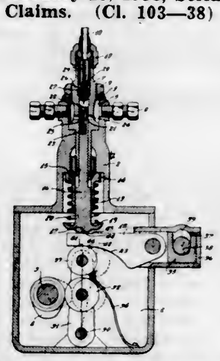
1. In an electrical musical instrument, the combination of a manual composed of a plurality of keys, a bank of switch fingers for each key, said banks of switch fingers being arranged in planes each in substantial alignment with its associated key, a plurality of bus bars extending in a direction perpendicular to the planes of said banks of switch fingers and each bus bar being located in a position to be contacted by one of the switch fingers of each bank, and an actuator for each bank of said switch fingers operable by the associated key to move the switch fingers into engagement with said bus bars respectively.

2,099,205
GAS BURNER
Philip S. Harper, Chicago, Ill.
Application December 26, 1933, Serial No. 703,902
6 Claims. (Cl. 158—117)



1. A gas range burner having two mixing tubes, said mixing tubes leading to a burner means having two separate chambers therein, each of said tubes connecting to one of said chambers, one of said chambers surrounding a central hole in said burner means, the other of said chambers surrounding the first mentioned chamber, said burner means having a common wall separating said two chambers, said burner having a removable top substantially engaging said common wall separating said two chambers, said top engaging said burner means in addition at the outside of said burner means and at said hole, and of said three points of a substantial engagement of said burner top with said burner means, the points of engagement around said central hole being at the lowest level and the point of engagement around the outer diameter of said burner being at the highest level of all three points of engagement.

2,099,206
FUEL PUMP
Lars Olaf Hedblom, Detroit, Mich., assignor of one-half to Gustav A. Carlson, Detroit, Mich.
Application February 18, 1935, Serial No. 6,988
2 Claims. (Cl. 103—38)

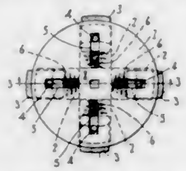


1. In a fuel injector, a plunger, a rocker arm pivoted at one end, means for rocking said arm to cause swinging movement of the free end thereof through a predetermined arc, an operating arm interposed between the swinging end of said arm and said plunger and adapted to be moved by said swinging end to impart movement to said plunger, said operating arm having an arcuate portion of uniform thickness with one of the arcuate surfaces thereof engaged by said swinging end and the other arcuate surface engaged by said plunger, the two arcuate surfaces having a common center of curvature, said operating arm having a cam surface merging with the arcuate surface engaged by said rocker arm, means supporting said operating arm, said common center of curvature being coincident with the axis of swinging movement of said rocker arm, and means for adjustably moving said operating arm with respect to said rocker arm.

2,099,207
VALVE GRINDER
Harry S. Hill and Charles H. Williams, Springfield, Ohio
Application August 7, 1936, Serial No. 94,763
4 Claims. (Cl. 51—184.2)

1. In a valve grinder, a tapered head having a series of radially extended pockets open at their outer ends, a grinding element located in each pocket, the outer end of said grinding element being tapered to conform to the tapered shape of said head, a coil spring located between the

rear end of each grinding element and the inner end of the pocket in which it is located, and



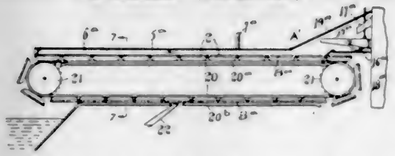
means for limiting the outward throw of each grinding element.

2,099,208

APPARATUS FOR PREVENTING THE OXIDATION OF METALS

William H. D. Horsfall and Maunsell B. Jackson, Toronto, Ontario, Canada

Application March 2, 1936, Serial No. 66,615
4 Claims. (Cl. 22—57)



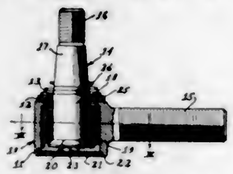
1. In apparatus of the class described the combination of a tunnel-shaped hood formed with a top and opposed sides depending from the top, the hood being open at the bottom throughout its length and at each end and formed as a continuous passage-way; a mold having its top above the level of the lower edges of the sides of the hood; means for moving the mold longitudinally into, through and out of the hood; and means for introducing a non-oxidizing gas or vapor into the hood above the level of the top of the mold so that the gas or vapor may flow lengthwise of the hood to the open ends to drive air from the hood and exclude it therefrom.

2,099,209

LUBRICATED RUBBER JOINT

George H. Hufferd, Detroit, Mich., assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application April 11, 1935, Serial No. 15,797
5 Claims. (Cl. 287—93)



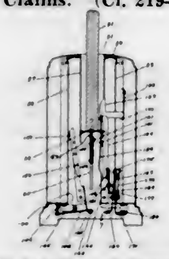
1. A universal joint comprising a housing having a cylindrical bore extending therethrough and an inturned flange at one end thereof defining a restricted annular opening, a stud extending freely through said opening having a cylindrical bearing portion disposed in said bore, a resilient bushing disposed in bearing contact around said bearing portion and held under compression by said housing walls, a head portion on said stud to prevent the stud from being pulled out of said bushing, a closure plate for said housing spaced from said stud head to define with the stud head and housing walls a fluid tight chamber and castor oil in the chamber.

2,099,210

AUTOMATIC ELECTRIC TOASTER

Murray Ireland, St. Paul, Minn., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware

Application March 25, 1935, Serial No. 12,834
17 Claims. (Cl. 219—19)



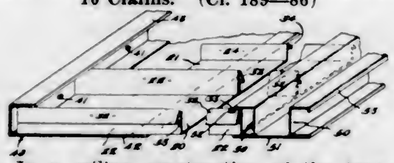
1. An electric toaster comprising in combination, a casing, a heating element therein, a bread slice support spring-biased to one position, means for moving it to and latching it in a second position and thermally-actuated latch-releasing means including an initially outwardly bowed bimetal bar adapted to have substantially its entire length closely operatively engaging the surface of a slice of bread being toasted during substantially all of the toasting period, and means actuated by the bread slice support to effect and maintain said close engagement.

2,099,211

BUILDING CONSTRUCTION AND PANEL FOR USE THEREIN

William I. Lucius, Rochester, N. Y.

Application January 29, 1935, Serial No. 3,937
10 Claims. (Cl. 189—86)



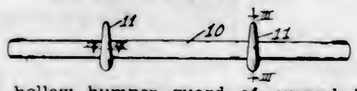
1. In a ceiling construction of the type described, a plurality of supporting channel members arranged with their side flanges extending upwardly and being attached to the floor above, a plurality of intermediate channel members, the side flanges of which are provided with means coacting with the side flanges of the supporting channel members to interlock said members to form an integral ceiling.

2,099,212

BUMPER GUARD

George Albert Lyon, Allenhurst, N. J.

Application July 30, 1935, Serial No. 33,895
4 Claims. (Cl. 293—55)



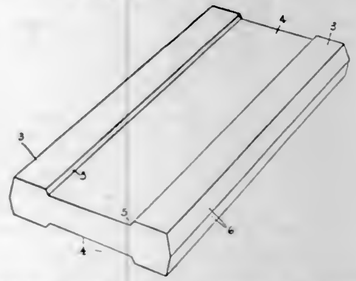
3. A hollow bumper guard of cupped form adapted to be secured on the front face of a bumper bar and with a closed top projecting above the bar, said guard having a portion on the rear side thereof and adjacent the lower end of the rear side shaped to provide a seat for the front face of a bumper bar, said guard being also shaped to present side and front impact faces extending below the rear face of said guard.

2,099,213

WAX CAKE

Lewis H. Macomber, Kalamazoo, Mich., assignor to Kalamazoo Paraffine Company, Kalamazoo, Mich.

Application June 12, 1935, Serial No. 26,193
4 Claims. (Cl. 196—149)



1. As an article of manufacture, an elongated flat cake of paraffin wax having flat parallel side surfaces at each edge thereof, and a central recess of substantial depth between said flat surfaces, the recesses extending from end to end of the cake so that when a plurality of said cakes are superimposed one upon another the flat side surfaces are in contact and the recessed portions opposed providing longitudinal passages between the cakes, the edges of said cakes being oppositely beveled from a central point to the said side surfaces.

2,099,214

PROCESS FOR FORMING THE SULPHURIC ESTERS OF UNSATURATED HIGHER ALCOHOLS

Walter H. McAllister, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application October 17, 1935, Serial No. 45,503
13 Claims. (Cl. 260—99.12)

1. The process of making a sulphuric ester of an unsaturated higher aliphatic alcohol, which comprises treating said higher alcohol with the addition product formed by treating dioxane with a sulphating agent selected from the group consisting of sulphur trioxide and chlorsulphonic acid, without substantially saturating the double bond.

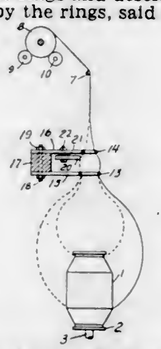
2,099,215

PRODUCING HAIRY RAYON YARN

James E. Moore, Rome, Ga., assignor to Tubize Chatillon Corporation, New York, N. Y., a corporation of Delaware

Application July 30, 1936, Serial No. 93,385
10 Claims. (Cl. 117—21)

1. Apparatus for producing hairy yarn by cutting exterior filaments of the yarn at intervals along its length which comprises a pair of parallel stationary coaxial rings spaced from each other along their common axis, means for drawing the yarn through the rings in a loose condition, and means for cutting the loose yarn as it passes through the rings and describes a plane of rotation defined by the rings, said cutting means



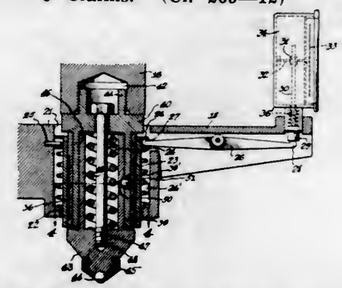
being disposed at one or more points in the plane of rotation and projecting thereinto.

2,099,216

METAL TESTING MACHINE

Frederick H. Nass and Ralph Campbell, Detroit, Mich.

Application May 4, 1934, Serial No. 723,954
6 Claims. (Cl. 265—12)



1. In a device of the character described, a plurality of relatively nesting parts, a test ball carried by one of said parts, an indicator connected to the other of said parts, frictional means for connecting said parts through relative movement therebetween, and pressure means for moving one of said parts.

2,099,217

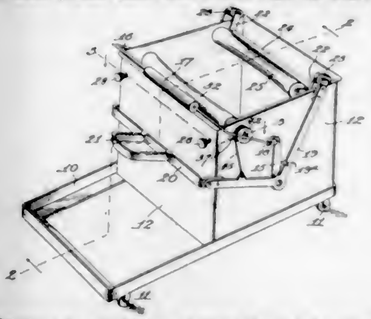
MOP WRINGER

Clinton C. Newland, Glendale, Calif., assignor to Frederick A. Speik, South Pasadena, Calif.

Application February 13, 1935, Serial No. 6,294
4 Claims. (Cl. 15—262)

1. In a mop wringer, a base having a front cross rail, a receptacle rigidly secured on the rear portion of said base so that the forward portion of said base including said front cross rail projects a substantial distance in front of said receptacle, a wringing roll journaled in the upper front portion of said receptacle, a frame pivotally mounted on the sides of the receptacle, said frame including a rail that extends across the front of the receptacle, a wringing roll carried by the upper rear portion of said frame, a pedal projecting forwardly from the front portion of said pivoted frame, the sides of the extended front rail of said base forming a bearing and stop for the front rail of said pivoted frame when the same is pedally actuated to position the wringing roll carried by said frame adjacent the

roll in the upper front portion of the receptacle and said pedal and the front rail of said base



combining to provide a support and bearing for the foot that is utilized in depressing the pedal when the latter is at its lower limit of movement.

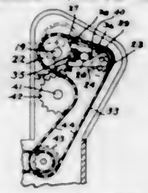
2,099,218

DRIVING MECHANISM TO MAINTAIN CONSTANT THE REQUIRED LENGTH OF AN ENDLESS DRIVING MEANS

Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington

Application December 21, 1936, Serial No. 116,960

5 Claims. (Cl. 74—242.15)



1. In a device of the class described, wheel mounting means; pivotal supporting means for said wheel mounting means; a first rotatable wheel mounted on said wheel mounting means and to one side of the said pivotal supporting means; a second rotatable wheel mounted on said wheel mounting means and to the other side of said pivotal supporting means; other wheel mounting means; a third rotatable wheel mounted on said other wheel mounting means and offset relative to said first and second wheels; and an endless driving means threaded over said first, second and third wheels, whereby, upon pivotal movement of said pivotal supporting means the difference in length of the endless driving means required between the third wheel and the first wheel is substantially compensated for by the length of the endless driving means required between the third wheel and the second wheel.

2,099,219

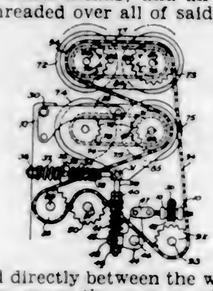
MECHANISM TO MAINTAIN CONSTANT THE REQUIRED LENGTH OF AN ENDLESS DRIVING MEANS

Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington

Application December 21, 1936, Serial No. 116,961

5 Claims. (Cl. 74—242.15)

1. In a device of the class described, a pair of rotatably mounted wheel means angularly positioned as respects each other; a second pair of rotatably mounted wheel means angularly positioned as respects each other and positioned substantially similarly to the positioning of the wheels of the first mentioned pair; an adjustably mounted means; bearing means in said adjustably mounted means rotatably supporting a dissimilarly positioned wheel means of each of said pairs; other wheel means; and an endless driving means threaded over all of said wheel means



and threaded directly between the wheels of each pair, whereby, upon the movement of said adjustably mounted means, the difference in length of the endless driving means required between the wheels of one of said pairs is substantially compensated for by the length of the endless driving means required between the wheels of the other of said pairs.

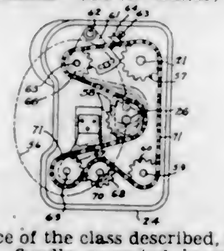
2,099,220

MECHANISM TO MAINTAIN CONSTANT THE REQUIRED LENGTH OF AN ENDLESS DRIVING MEANS

Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington

Application December 21, 1936, Serial No. 116,962

6 Claims. (Cl. 74—242.15)



1. In a device of the class described, two spaced apart wheels; fixedly mounted bearing means supporting each of said two wheels for rotary movement; a third wheel positioned substantially intermediate of and off-set relatively to said two wheels; movably mounted bearing means supporting said third wheel for rotary movement and for movement substantially in a plane approximately parallel to a plane passing between said two wheels; and endless driving means threaded over said two wheels and said third wheel, whereby substantial movement of said third wheel in said plane may obtain without requiring a material change of length of said endless driving means.

2,099,221

DROP BAR CLEAN-OUT

Gerald C. Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application March 23, 1936, Serial No. 70,493

14 Claims. (Cl. 146—202)

1. In combination with a fruit treating machine of the type employing a series of treating rolls rotatable about fixed axes and arranged transversely to the flow of fruit thereover and in adjacent parallel relation to form fruit supporting valleys therebetween whereby fruit resting in each valley is dislodged therefrom by incoming fruit and caused to pass into the next valley: a cleanout bar disposed parallel to said rolls; guide means disposed substantially at the plane of the crests of said rolls; endless chains guided by said guide means; arms extending angularly from opposite ends of said bar and pivotally connected



to said chains, said pivot points being spaced a substantial distance longitudinally of said machine from said bar and permitting said bar to freely rest on the crests of said rolls when disposed opposite these; said arms being substantially shorter than the distance spacing the axes of adjacent rolls; and means for limiting the downward swing of said arms about said pivot points to prevent undue friction being set up between said bar and the surface of one of said rolls when the latter is engaged by said bar.

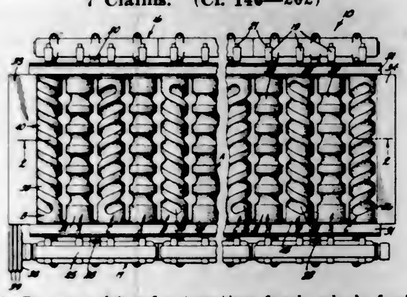
2,099,222

FRESH FRUIT BRUSHER

Gerald C. Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application March 23, 1936, Serial No. 70,494

7 Claims. (Cl. 146—202)



1. In a machine for treating fresh whole fruits, the combination of: a series of parallel brush rollers placed close together and rotatively mounted on fixed axes disposed transversely of the direction of travel of said fruit over said brush rollers to provide a fruit treating table having fruit treating valleys between adjacent pairs of brush rollers, said fruit resting in said valleys and being rotated and brushed by said brush rollers, and progressing from valley to valley in passing through said machine; and means for rotating said brush rollers in the same direction at a speed substantially between 100 R. P. M. and 275 R. P. M., certain pairs of adjacent brush rollers having one brush roller of each such pair provided with a series of annular grooves of such size as to accommodate said fruit and the other brush roller of each such pair provided with obliquely disposed grooves.

2,099,223

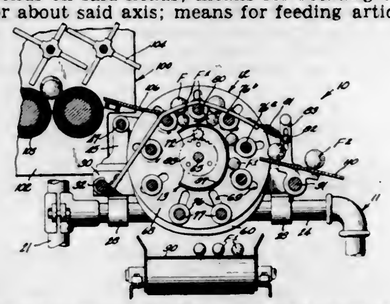
SIZER

Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application January 18, 1935, Serial No. 2,367

17 Claims. (Cl. 209—106)

1. In a sizer for rollable articles the combination of: a rotor mounted on a horizontal axis and including two rotor heads; sizing members disposed in spaced relation with each other on said rotor and parallel to said axis, said members being rotatably journalled at their opposing ends on said heads; means for rotating said rotor about said axis; means for feeding articles



to be sized onto said sizing members when said members are disposed above said axis; means for receiving from said members the larger of said articles which fail to pass between said members; means for receiving the smaller of said articles which pass between said members; and means for rotating said members while the larger of said articles are resting thereon.

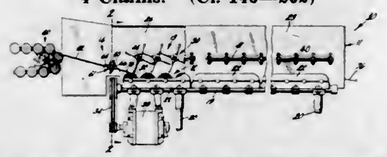
2,099,224

LEMON WASHER

Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application May 31, 1935, Serial No. 24,185

4 Claims. (Cl. 146—202)



1. In combination: a series of transverse fruit treating rollers providing a series of valleys between said rollers; means for rotating said rollers in the same direction to treat fruit resting in said valleys; a plurality of rotary clean out members, one of which is disposed over and substantially parallel with each of said valleys; a plurality of rows of spaced fingers extending substantially radially from each of said members, the fingers of each member being axially offset from the fingers of adjacent members and of such length as to pass between said last mentioned fingers when said members are rotated; and means to rotate said members in the same direction to maintain corresponding rows of fingers on all said members substantially parallel at all times during rotation of said members.

2,099,225

CLEAN-OUT

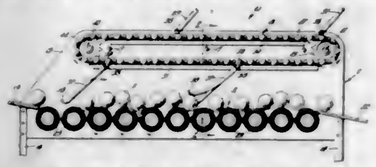
Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application May 31, 1935, Serial No. 24,186

3 Claims. (Cl. 146—202)

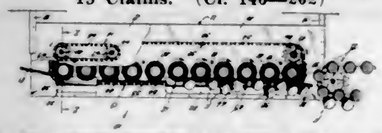
1. In a fruit brushing machine, the combination of: a frame; a plurality of juxtaposed, cylindrical brushes journalled transversely on said frame, the uppermost sides of said brushes form-

ing a fruit brushing surface, said surface being characterized by fruit receiving valleys, one of which is disposed between each adjacent pair of said brushes; means for rotating said brushes in a common direction; overhead travelling clean out carrier means; a clean out carried by said carrier means over said fruit brushing surface, said clean out including a plurality of relatively long resilient fingers extending downwardly and rearwardly at a substantial angle with the horizontal



to a point close above said brushing surface, the lower ends of said fingers being formed of soft material and being turned upwardly so that when said finger ends are engaged by fruit traveling over said brushing surface at a rate in excess of the speed of said carrier means a rolling contact is established between said fruit and said finger ends which lifts said finger ends upwardly and rearwardly and permits said fruit to rotate forwardly between said brushing surface and said fingers.

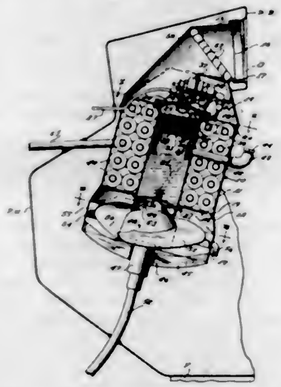
2,099,226
CLEAN-OUT
Hale Paxton, Santa Ana, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware
Application May 31, 1935, Serial No. 24,187
15 Claims. (Cl. 146—202)



1. In a fruit brushing machine, the combination of: a frame; a plurality of juxtaposed, cylindrical brushes journalled transversely on said frame, the uppermost sides of said brushes forming a fruit brushing surface characterized by fruit receiving valleys one of which is disposed between each adjacent pair of said brushes; means for rotating said brushes in a common direction; a guide track at each side of said frame, said tracks conforming substantially to arcuate crest portions of the contour of said brushes; a transverse bar movable over said brushing surface, the ends of said bar being guided by said guide tracks at points disposed substantially on the axis of said bar; and power means for moving said bar over said brushing surface, said bar feeding fruit from valley to valley, said bar, when contacting fruit disposed in each of said valleys, urging said fruit onto the brush forming the advance wall of said valley, said fruit then rolling over said brush into the next of said valleys, said bar being returned to starting position in a plane out of the path of fruit on said brushing surface.

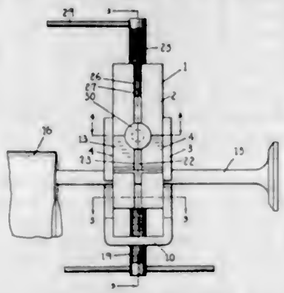
2,099,227
AIR COOLING UNIT FOR AUTOMOTIVE VEHICLES
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application October 7, 1935, Serial No. 43,845
8 Claims. (Cl. 62—102)

1. An evaporator unit adapted to be mounted behind the dashboard in an automotive vehicle comprising a casing having an air inlet and outlet, cooling coils in said casing between said inlet and said outlet, a receptacle for refrigerant in



said casing in heat transfer relation with said coils, and means for expanding refrigerant from said receptacle into said coils.

2,099,228
DEVICE FOR GROOVING VALVE STEMS AND THE LIKE
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application March 18, 1937, Serial No. 131,632
11 Claims. (Cl. 82—4)



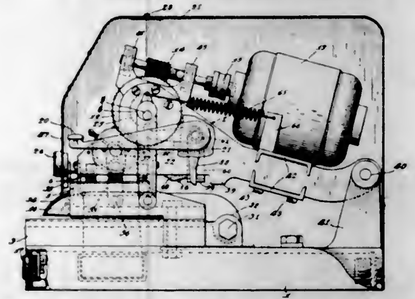
1. A device of the class described for circumferentially grooving rod-like work comprising a pair of telescopingly associated body members provided with opposed V-shaped jaws, said body members being open at one side to permit the introduction and removal of the work when the jaws are open, screw means for adjusting said body members for bringing said jaws into supporting and guiding engagement with the work or to release the same, one of the body members having a longitudinal groove-like tool seat and also having a longitudinal internally threaded bore opening to said tool seat, a tool disposed in said seat and having a notch facing said bore, and a feed screw for said tool having threaded engagement with said threaded bore and provided with a swivel head engaging said notch in said tool, and a clamping screw disposed transversely of said tool seat for clamping said tool in its adjusted positions in said seat.

2,099,229
FIN EQUIPPED RUDDER
Louis Possenheim, New York, N. Y.
Application January 15, 1936, Serial No. 59,184
1 Claim. (Cl. 114—162)



In a ship, a rudder, substantially flat, rhomboidal-shaped fins on top and bottom edges and fins to both sides of the rudder arranged in halves on opposite sides of the rudder, supplementing one another to a whole fin, extending from the centre rearward.

2,099,230
PERFORATING MACHINE
Edward G. Rix, Chicago, Ill., assignor to American Perforator Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1936, Serial No. 64,116
16 Claims. (Cl. 101—26)



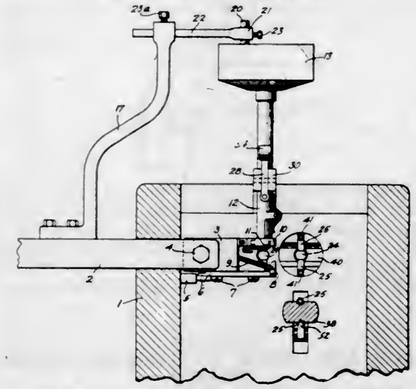
1. Apparatus for mutilating sheets comprising an oscillatable head which when oscillated effects the mutilating operation, a rotary electric motor mounted on said oscillatable head and mechanism whereby rotation of said motor effects oscillation of said head.

6. Apparatus for mutilating sheets comprising a reciprocable head, sheet mutilating means controlled by the reciprocation of said head, means for controlling the reciprocation of said head comprising a motor and a clutch for connecting and disconnecting the motor with respect to the head, a trip member for controlling the clutch, a removable casing for housing the head, motor, clutch and trip, and trip operating means carried by said casing operable from the outside of the casing and freely disengageable and engageable with respect to the trip member in removing and replacing the casing.

2,099,231
HALOGENATION OF UNSATURATED COMPOUNDS
Jan D. Ruys, Pittsburg, and James W. Edwards, Concord, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 10, 1935, Serial No. 25,940
20 Claims. (Cl. 260—162)

1. A process for the production of a valuable organic halogen addition product which comprises reacting a hydrocarbon possessing an olefinic linkage between two aliphatic carbon atoms with an amount of a halogen not in excess of that theoretically required to completely react therewith by addition, said reaction being effected under a substantial superatmospheric pressure and practically anhydrous conditions in the presence of a catalyst essentially comprising dehydrated calcium chloride at a temperature of from about 20° C. to about 120° C.

2,099,232
BLANK FEEDING MEANS
Heyman Rosenberg, New York, N. Y.
Application December 30, 1936, Serial No. 118,226
14 Claims. (Cl. 10—162)



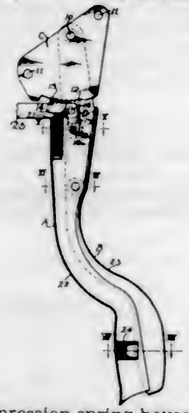
1. In die stamping apparatus for wing-nuts, the combination of a container for wing-nut blanks of a tube leading directly downward from the bottom of the container for conducting the blanks downward in end to end, aligned relation, said tube having a funnel-like mouth of substantially circular cross-section, the lower end of said mouth being of less diameter than the upper end thereof, but of greater diameter than one-half the diameter of said upper end, and means for agitating wing-nut blanks within the container.

3. In feeding apparatus for nut blanks for nut stamping mechanism, the combination, with a blank feeding tube, of a detent extending into the tube in position to engage a blank and positively obstruct the descent of blanks within the tube for temporarily preventing feeding thereof, a blank carrier movable across the lower end of the tube between blank receiving and blank delivering positions and effective to prevent escape of a blank from the tube when not in blank receiving position, means for operating the blank carrier, and means for positively operating said detent to a non-obstructing position in timed relation to the movements of the carrier when the carrier is not in receiving position.

2,099,233
BRAKE LEVER CONSTRUCTION
Ray A. Sandberg, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application November 16, 1936, Serial No. 110,971
5 Claims. (Cl. 74—537)

1. Brake lever construction including a lever proper and an actuating member formed as double U-shaped stampings and assembled in pivoted relation with the webs in opposition and the

walls of one snugly fitting against the walls of the other, a right angular pawl pivoted to the lever proper with one leg extending generally in the direction of the length of the lever and having sliding engagement with said actuating mem-



ber, and a compression spring housed in the lever proper and bearing against the other leg of the pawl at substantially right angles to said leg to exert a direct push against said leg to maintain the pawl in latched engagement with a ratchet and to maintain said lever in one position.

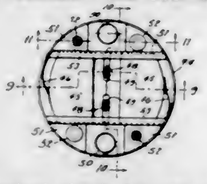
2,099,234

CHECK AND CHECK CONTROLLED MECHANISM

William K. Schauweker, Cleveland, Ohio

Application February 18, 1936, Serial No. 64,548

8 Claims. (Cl. 194—4)



6. A mechanical check for use in connection with a check controlled device, comprising, separable parts, means tending to separate such parts, means for holding such parts against separation and means for releasing said holding means.

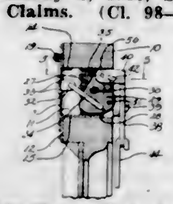
2,099,235

STORM WINDOW TOP VENTILATOR

Francis J. Schmidt, Wauwatosa, Wis.

Application January 6, 1936, Serial No. 57,671

8 Claims. (Cl. 98—97)



1. The combination with a storm sash having a slotted top rail, of a correspondingly slotted reinforcing plate secured to the outer surface of said rail and provided with inturned flanges respectively engaging the top and bottom walls of the sash rail slot, an outwardly swinging shutter in hinged relation to the top rail above said slot, a bracket struck up from one of said flanges and positioned within said top rail slot, a shutter actuating plate pivotally secured to the bracket and linked to the shutter, and a lever having one end linked to, and adapted to oscillate said plate, said lever being provided with depending operating linkage associated with one side rail of said sash.

2,099,236

COATING COMPOSITION AND PROCESS OF PREPARING SAME

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 15, 1932, Serial No. 593,198

20 Claims. (Cl. 134—56)

1. A coating composition containing a drying oil having incorporated therein a positive oxidation catalyst and a controller of oxidation thereof comprising a reaction product of a ketone and an amine or a derivative thereof.

5. A coating composition containing a drying oil having incorporated therein a positive oxidation catalyst and a controller of oxidation thereof comprising a reaction product of an aliphatic group containing ketone and an aromatic primary amine.

2,099,237

COATING COMPOSITION

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 15, 1932, Serial No. 593,199

20 Claims. (Cl. 134—56)

1. A coating composition containing a drying oil having incorporated therein a positive oxidation catalyst and a controller of oxidation thereof comprising an aldehyde-amine condensation product or derivative thereof.

5. A coating composition containing a drying oil having incorporated therein an inhibitor of oxidation thereof comprising the reaction product of p,p'diamino diphenylmethane with beta naphthol.

2,099,238

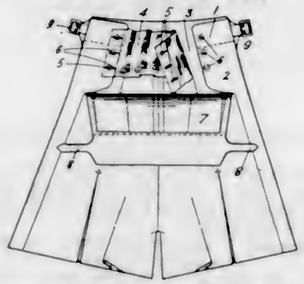
WEARING APPAREL

Alexander Simpson, London, England

Application March 13, 1936, Serial No. 68,675

In Great Britain July 8, 1935

1 Claim. (Cl. 2—237)



A garment of the kind referred to including a trunk- and limb-covering portion and a waist band, said trunk- and limb-covering portion and said waist band presenting a gap at the front side of the garment, a unitary panel of two-way stretch elastic material extending across and substantially filling said gap, means for attaching said panel to said trunk- and limb-covering portion, a flap on said trunk- and limb-covering portion adapted to cover said panel, a pair of straps attached to said flap one on each side of said flap, and a pair of buckles on said waist band for fastening said flap in position over said panel.

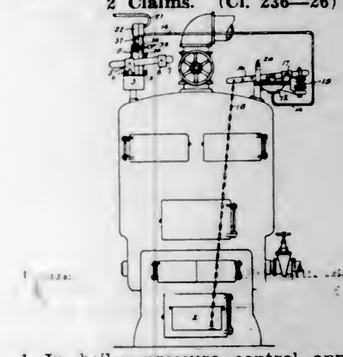
2,099,239

BOILER PRESSURE CONTROL APPARATUS

Jesse B. Snyder, Tacoma, Wash.

Application March 23, 1936, Serial No. 70,220

2 Claims. (Cl. 236—26)



1. In boiler pressure control apparatus, including a damper adapted to be opened and closed to control the boiler draft, comprising a boiler pressure-sensitive apparatus; an air motor connected to said damper and adapted to open it when compressed air is admitted thereto; an air control apparatus connected between a source of air pressure and the said air motor, said air control apparatus being provided with an air leakage orifice; and a pivoted finger adapted to normally close said leakage orifice, but adapted to be engaged by said pressure-sensitive apparatus to open said leakage orifice when the pressure reaches a predetermined normal in the pressure-sensitive apparatus.

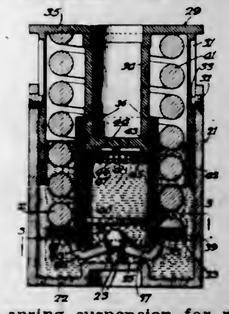
2,099,240

BOLSTER SUPPORTING UNIT

Donald F. Sproul, Chicago, Ill., assignor to Cardwell-Westinghouse Company, a corporation of Delaware

Application December 31, 1934, Serial No. 759,817

9 Claims. (Cl. 267—4)



1. In a spring suspension for railway cars, a main cylinder for containing a liquid, an auxiliary cylinder within said main cylinder and containing a liquid, a spring surrounding said auxiliary cylinder and adapted to assist in supporting a car, and means including said spring for controlling the transference of liquid from said auxiliary to said main cylinder upon compression of said unit.

2,099,241

PACKING COMPOSITION

Hugh T. Stewart, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York

No Drawing. Application September 26, 1935, Serial No. 42,281

3 Claims. (Cl. 106—7.6)

1. A packing composition consisting of an intimate mixture of asbestos, graphite, powdered aluminum, lubricating oil, and dispersed compounded polychloroprene.

2,099,242

PACKING COMPOSITION

Hugh T. Stewart, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York

No Drawing. Application September 26, 1935, Serial No. 42,282

1 Claim. (Cl. 106—7.6)

A packing material for industrial use, having the following approximate composition:

	Per cent
Vulcanized binding material	7.0–12.5
Lubricating oil	5.0–10.0
Asbestos fibres	25.0–37.0
Powdered aluminum	14.5–18.5
Powdered graphite	28.0–44.0

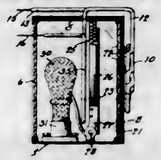
2,099,243

ILLUMINATED SIGN

Thomas Taaffe, Los Angeles, Calif.

Application March 12, 1936, Serial No. 68,383

10 Claims. (Cl. 40—132)



1. An illuminated sign, comprising an opaque ground-plate having a translucent area delineating sign-characters, a luminous tube disposed in spaced relation forwardly of said plate forming sign-characters similar to and in axial symmetry with the sign-characters of said plate, a plurality of light-refracting elements positioned at the rear of said translucent area to refract light passing through said area, means to project colored light rays through said refracting elements to provide in said area a colored background for said tube, and means interposed between the source of said light rays and said elements to effect the constant movement of said rays upon said elements.

2,099,244

LEVER

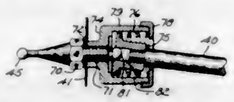
Paul C. Temple, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Application September 21, 1934, Serial No. 744,948

4 Claims. (Cl. 74—470)

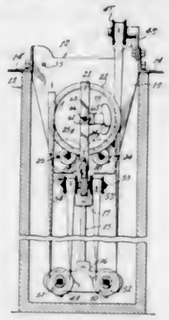
1. A lever formed in two parts located in substantial alignment and shaped to provide plane

cooperating surfaces perpendicular to the axis of the lever, a coiled compression spring surrounding one part of the lever and tending to maintain said surfaces in contact, and supporting means for



the spring carried by the other part of the lever and shaped to permit a substantial lateral tipping of one part of the lever relative to the other, whereby the lever will yield upon application of an excessive force thereto.

2,099,245
MOTION PICTURE FILM TREATING APPARATUS
Frederick B. Thompson, Hollywood, Calif.
Application July 21, 1936, Serial No. 91,710
16 Claims. (Cl. 271—2.3)



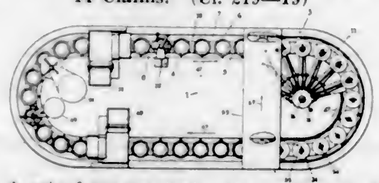
1. In a film treating apparatus, the combination of: a frame; a supporting member in said frame; a plurality of standards individually removably mounted in said supporting member; and a film supporting roller rotatably carried by each of said standards.

2,099,246
METAL TAPPING TOOL
Harry Raffles, Chicago, Ill.
Application March 27, 1937, Serial No. 133,352
1 Claim. (Cl. 145—61)



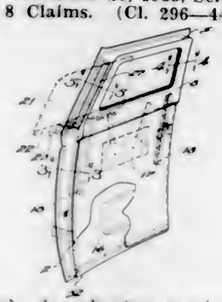
A tool of the character described comprising the combination of a tool-shank with a working end, the other end being blunt, a protective cap for said blunt end functioning as a blow-receiving member therefor, said cap being provided with a bore of such diameter that the blunt end of the shank may freely fit and slide thereinto, a rubber plug in said bore at the inner end thereof, and a rubber bumper on said cap.

2,099,247
PIE MAKING AND AUTOMATIC BAKING MACHINE COMBINED
Neil H. Whitlock, Indianapolis, Ind.
Application April 24, 1936, Serial No. 76,175
14 Claims. (Cl. 219—19)



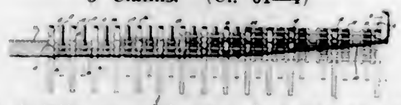
1. A set of progressively arranged pie making mechanisms, a series of electrically operated ovens, chain means serving to move said ovens progressively to and from each of said pie making mechanisms, a means to make current connection with said ovens for a distance of their travel sufficient to maintain the baking time of each oven, a series of electrically heated oven lids carried by said ovens during the baking period, and a means serving to transfer said lids bypassingly in respect to said mechanisms, to the ovens as they reach the beginning of the baking period.

2,099,248
VEHICLE DOOR
Charles H. Widman, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application November 20, 1935, Serial No. 50,636
8 Claims. (Cl. 296—44)



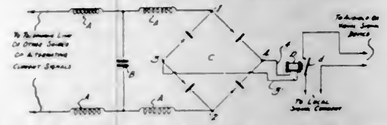
1. A vehicle door having a window opening therein, said window opening being of substantially greater width at the bottom than at the top, said door being formed to provide a slot in one of the jamb faces thereof, said slot communicating with said window opening, said slot being of substantially shorter length than the transverse width of said window opening.

2,099,249
JETTY
Sydney M. Wood, Lake Bluff, Ill.
Application June 30, 1936, Serial No. 88,179
5 Claims. (Cl. 61—4)



1. A jetty comprising an elongated wall extending outwardly at an angle to the shore, said wall comprising spaced upright members and superimposed horizontal members, said horizontal members being formed with interior apertures, and at least some of the upright members being of slightly less size than said apertures to extend through said apertures so that the horizontal members may be dropped into assembled position over said uprights, the cooperating upright members and apertures having at least one cooperating straight side, said cooperating straight sides fitting sufficiently close to one another to prevent turning movement of the horizontal members.

2,099,250
TELEPHONE SIGNAL SYSTEM
Lee E. Adler, Dallas, Tex.
Application May 25, 1936, Serial No. 81,611
3 Claims. (Cl. 179—84)



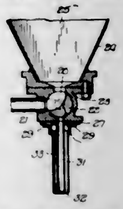
2. In a telephone system, a source of alternating current, an electrical signal controlling device, and means for selecting desired frequencies from said source of alternating current and changing the same to uni-directional or pulsating direct current to operate said signal controlling device, said means comprising parallel inductances directly cross-connected by a condenser, said inductances directly connected at one end to the source of alternating current and at the opposite end connected to a rectifier, said rectifier directly connected to the signal controlling device.

2,099,251
RAZOR
David E. Alport and Simon Alport, Kansas City, Mo., assignors to John W. Anderson, Gary, Ind.
Application May 13, 1932, Serial No. 611,182
10 Claims. (Cl. 30—87)



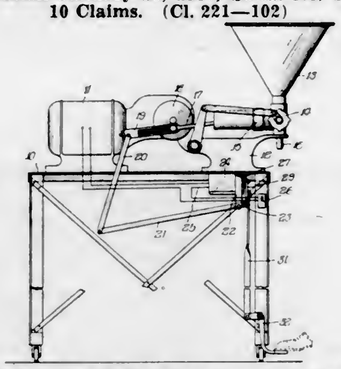
1. A razor including a cylindrical handle bar, a tie rod rotatable in and projecting from the ends of the bar, a stop member keyed to one end of the rod, and a blade carrier keyed to the opposite end of the rod.

2,099,252
FILLING MACHINE
Ralph B. Bagby, Evanston, Ill.
Application January 13, 1936, Serial No. 58,800
3 Claims. (Cl. 226—100)



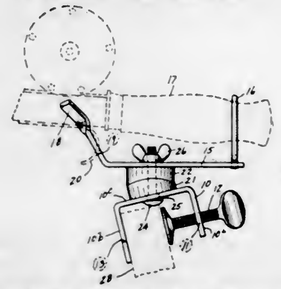
1. In a filling machine, the combination of a pair of cylinders, pistons therefor, means for effecting a simultaneous uniform stroke of said pistons, two segregated sources of supply of material, three-way-valve means for placing the sources of supply in communication with respective cylinders and said cylinders in communication with a divided outlet, and a filling nozzle at said outlet, said nozzle providing a tubular central passage for material from one cylinder and a surrounding tubular passage for material from the other cylinder.

2,099,253
TRIP MECHANISM FOR FILLING MACHINES
Ralph B. Bagby, Chicago, Ill.
Application January 25, 1937, Serial No. 122,109
10 Claims. (Cl. 221—102)



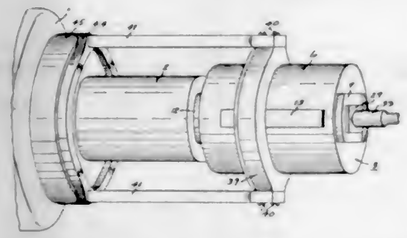
1. In a device of the class described, the combination with mechanism providing for reciprocating motion, of a motor for driving said mechanism, a motor switch, link mechanism connected to said switch and to said reciprocating mechanism, said link mechanism including a rocker, and means for shifting said rocker and breaking the link connection whereby to permit said switch to close.

2,099,254
FISHING ROD HOLDER
Charles W. Ballman, Indianapolis, Ind.
Application July 15, 1935, Serial No. 31,314
1 Claim. (Cl. 248—42)



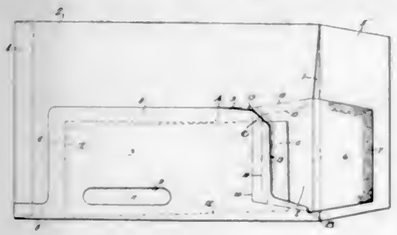
In a fishing rod holder having a rod engaging portion and means for clamping said holder to a supporting object, means interposed between said rod engaging portion and said clamp to provide for angular adjustment of said rod engaging portion, said means comprising a pair of disc-like members each having faces one perpendicular to its axis and the other at an angle thereto, said angular faces being in engagement with each other, whereby relative rotation of the discs varies the angle of the holder.

2,099,255
TAPERING ATTACHMENT FOR BORING MACHINES
Harold H. Bauer, Montgomery County, near Dayton, Ohio
Application September 4, 1936, Serial No. 99,434
8 Claims. (Cl. 77—58)



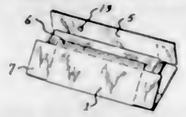
1. A boring apparatus having a jig borer head, a frame projecting axially from said head, a spindle rotatably and longitudinally movable in said frame, a shell secured to said spindle, a tool head transversely movable in said shell, a boring tool carried by said tool head, a ring supported by the frame and held against movement axially of the spindle, a cam bar pivotally secured at one end to the shell for contact with said ring through which it is forced by the spindle, and an adjustable connection between the free end of the cam bar and the tool head whereby, when the free end of said bar is forced inwardly by the ring while the shell passes therethrough, the tool head carrying the boring tool will be moved inwardly by said adjustable connection to produce a tapered hole.

2,099,256
ENVELOPE
Anthony C. Benedict, Rockville Centre, N. Y.
Application November 15, 1934, Serial No. 753,074
7 Claims. (Cl. 229—72)



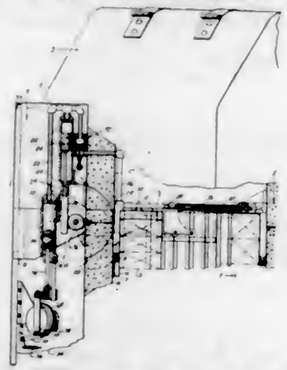
1. A duplex envelope having a generally oblong compartment, the latter having an end loading entrance which is substantially wider than the general width of the compartment whereby relatively easy loading is provided, said entrance being without communication with another compartment provided in the envelope and said entrance being arranged to cooperate to provide relatively easy loading of the former compartment with a continuation of the back wall of this compartment which extends in more than one direction outside from the entrance and serves as a guide to steer a suitably folded letter into said entrance.

2,099,257
CONTAINER
Robert M. Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, trustees
Application October 4, 1935, Serial No. 43,569
8 Claims. (Cl. 229—14)



1. A flat container construction in knocked-down form, designed to be squared up into box form, comprising an outer receptacle element and an inner element, the outer element being a tubular blank having closing flaps attached to the walls thereof by hinge lines, said inner element constituting an open-ended flat bag having no re-entrant angles and made of flexible material impervious on the inside at least, the closed end of the bag extending beyond the hinge lines adjacent to the flaps but unsecured to the flaps at one end of the outer receptacle, the walls of said flexible bag being adhesively secured to at least a plurality of the walls of the outer structure in such a manner as to cause the flexible bag to be pulled open upon squaring up the whole structure, the open end of the bag projecting beyond the hinge line thereof and unsecured to the closing flaps at the other end of the outer structure.

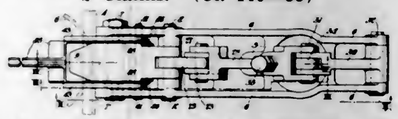
2,099,258
REFRIGERATED VENDING MACHINE
Russell H. Bird, Detroit, Mich.
Application May 3, 1934, Serial No. 723,765
5 Claims. (Cl. 312—64)



1. A vending machine adapted for dispensing package merchandise and used in combination therewith, comprising a suitable cabinet inclosure provided with an aperture in one side wall, a drum shaped door mounted for rotation in the aperture, said door being formed with a radial chamber, a multiple compartment merchandise package cage rotatably mounted within said cabinet inclosure positioned with the cage top opposite said side wall aperture, selective means mounted on said cabinet and attached to the cage capable of positioning any chosen cage compartment adjacent said side wall aperture, each compartment having means to urge the packages toward the cage top, automatic mechanical dispensing means mounted on the cabinet and adapted for ejecting

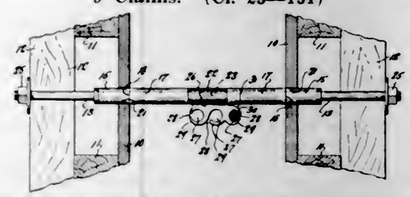
an article from a selected merchandise compartment into the radial chamber of the drum shaped door and for automatically opening and returning said door thereafter.

2,099,259
TOOL
Clarence O. Carlson, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application February 27, 1936, Serial No. 66,136
2 Claims. (Cl. 140—55)



1. A tool for connecting an element to a second element having a deformable groove therein comprising, in combination, a stationary anvil providing a substantially flat contact surface, a pivoted die member for cooperation with said stationary anvil, means for supporting said elements against said stationary anvil with said first named element in the groove in said second named element, an operating rod, and means connecting said operating rod and said pivoted die member.

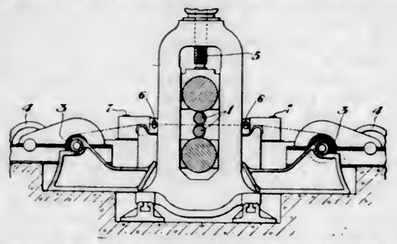
2,099,260
CONCRETE FORM AND REENFORCEMENT RETAINING MEANS
Samuel S. Colt, Orange, N. J.
Application April 27, 1936, Serial No. 76,580
9 Claims. (Cl. 25—131)



1. In concrete form retaining means, in combination, a tie rod engageable through opposed form walls, means mounted on said tie rod for engaging said form walls, a spacer element supported by said tie rod between said wall engaging means, a longitudinally extending flange laterally projecting from said spacer element, said flange having an opening through which a concrete reenforcing rod may be passed so as to be supported within the form interior preparatory to pouring concrete thereinto, and a bendable clamping finger connected with said flange contiguous to said opening and adapted to be bent into gripping relation to the reenforcing rod entered through said opening.

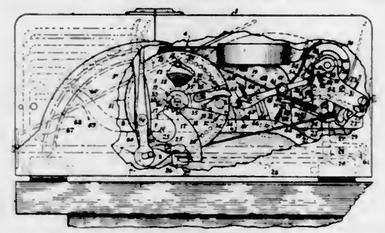
2,099,261
WIDE STRIP COLD ROLLING
Lawrence S. Dahl and John H. Shultz, Gary, Ind., assignors to American Sheet and Tin Plate Company, a corporation of New Jersey
Application July 19, 1934, Serial No. 736,128
3 Claims. (Cl. 80—60)

1. A method of cold working metal strip to a thinner predetermined gage, including working said strip primarily by pressure rolling to a thickness slightly greater than said gage, then applying sufficient tension to said strip to effect drawing and varying said tension as required to draw



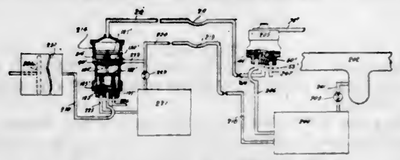
said strip to said gage, said tension being at all times sufficient to effect at least some drawing.

2,099,262
TYPEWRITING MACHINE
Charles W. H'Doubler and George I. Mills, Springfield, Mo.
Application April 10, 1935, Serial No. 15,591
8 Claims. (Cl. 197—65)



4. In a typewriting machine, in combination, a carriage adapted for advancement and retraction, spring actuated means for automatically advancing said carriage, a detent to restrain said spring induced advancement of the carriage, lever releasing means for disengaging the carriage from said detent, means including a duplex lever for retracting or advancing said carriage and common means adaptly supported on said duplex lever for operative engagement with said lever releasing means to disengage the carriage from said detent and maintain such disengagement while the carriage is being retracted or advanced by said duplex lever.

2,099,263
TRAILER BRAKE SYSTEM
Avad L. Farmer, Los Angeles, Calif.
Application August 20, 1934, Serial No. 740,546
30 Claims. (Cl. 303—26)



1. A remote control valve for a fluid pressure brake system, comprising a valve body having piston chambers separated by an intermediate partition, a pair of mechanically interconnected pistons, one working in each of said chambers, there being an intake port, an exhaust port, and a brake chamber port in the valve body communicating with the outer end of one of the piston

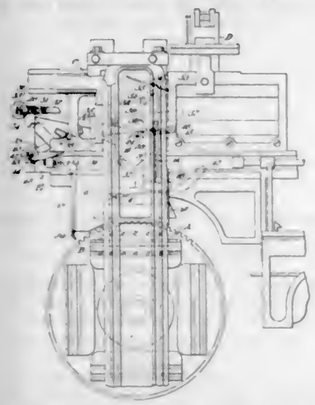
chambers, and an air port communicating with the inner portion of the other piston chamber through which the pressure on the inner side of the piston in said chamber can be controlled, means for maintaining a pressure on the opposite side of said piston, a pair of spring-closed valves controlling the intake and exhaust ports, and valve operating means moving with that piston which is in the valved piston chamber adapted to release both said valves to be closed by their respective springs throughout a limited extent of travel of said piston near the central portion of its stroke, to open the inlet port valve as the piston moves to the outer end of its stroke and to open the exhaust port valve as the piston moves to the inner end of its stroke.

2,099,264

MOUTH WIPER FOR TYPESETTING MACHINES

Donald J. Fournet, Lafayette, La.

Application May 21, 1936, Serial No. 81,082
11 Claims. (Cl. 199—62)



1. A wiper for the vertically disposed mouth of the metal pot of typesetting machines, including a wiper element adapted to be advanced and retracted over the mouthpiece of said metal pot, means supporting said element for rectilinear reciprocating movement in operative relation to said mouthpiece, means for automatically moving said wiper element in both directions over said mouthpiece, and means operated in timed relation to the movement of the mold disk of the machine for controlling actuation of said automatic moving means, said automatic moving means operating independently of direct connection with the moving parts of the machine.

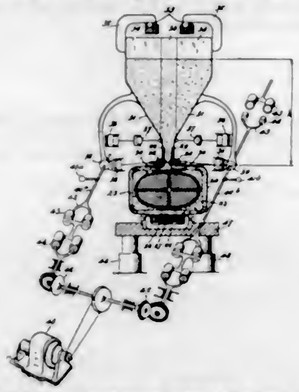
2,099,265

PROCESS FOR THE MANUFACTURE OF MOLDED PIECES FROM MORTAR OR CONCRETE

Eugène Freyssinet, Neuilly-sur-Seine, France

Application February 5, 1934, Serial No. 709,877
In France February 9, 1933
4 Claims. (Cl. 25—155)

1. A process of manufacturing hollow concrete articles which comprises pouring wet concrete into a mold, fluidifying said concrete in said mold by rapid vibration and simultaneously subjecting said liquid concrete to a pressure sufficiently low for permitting relative displacements of the particles of the concrete in the liquid mass, stopping the vibration when the concrete has become firm and finally subjecting said firm concrete in the



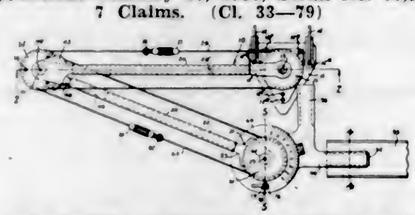
mold to a high pressure exerted from within the concrete mass.

2,099,266

DRAFTING MACHINE

Russell H. Garner, Pasadena, Calif., assignor to Leonard N. Partch, Pasadena, and Russell H. Garner

Application January 27, 1936, Serial No. 60,993
7 Claims. (Cl. 33—79)



1. A drafting instrument comprising a base adapted to be secured to a drafting board, a post rigidly mounted on said base, a pulley on said post, said pulley having an external flange thereon, an arm, a pair of brackets each having a semi-cylindrical end portion fitted in said arm at one end, the other end of said brackets rotatably engaging said post, a second bracket on the other end of said arm, said bracket including a cylindrical portion fitted in the arm and rotatably engaging said second post, a pair of pulleys fixed on said second post, a third bracket engaging said second post, a second arm engaging said third bracket at one end, the other end of said second arm having a fourth bracket thereon, a third post rotatably engaging said fourth bracket, a pulley engaging said third post, an endless member passing over said first pulley and one of the pairs of pulleys, a second endless member passing over the other of said pair of pulleys and said third pulley, each of said endless members including an adjusting member, a scale member, a cup member engaging said scale member, means connecting said third pulley, said cup member, and said scale member, a scale base mounted on said post, said scale base having a pair of scale engaging members thereon.

2,099,267

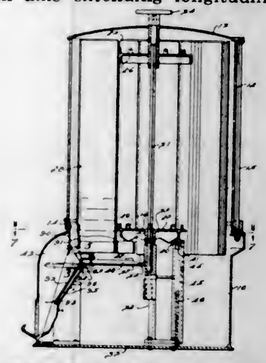
VENDING MACHINE

Bernard A. Hackett, Detroit, Mich.

Application April 12, 1935, Serial No. 15,974
5 Claims. (Cl. 312—66)

1. In a vending machine, a stock carrier

mounted therein for rotation about a vertical axis and including a plurality of vertically arranged stock chutes, a reciprocable coin slide, and means including an ejector element pivoted to said slide about an axis extending longitudinally of said



slide for dispensing articles of merchandise from a chute of said stock carrier, said ejector element being provided with downwardly inclined lateral margins for preventing interference with the rotation of said stock carrier.

2,099,268

PAPER HOLDER

West Henson and William Nelson, Jr., New York, N. Y.

Application August 26, 1936, Serial No. 98,012
1 Claim. (Cl. 242—107)



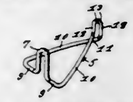
In a device of the character described, a paper holder comprising a cylindrical casing formed with a longitudinally extending slot, a bearing at one end of said casing, a block in the other end portion of said casing having a neck extending through the opening in the head of the casing, means to prevent rotation of the block in one direction, the block being formed with an axially extending bore, a stem rotatably received in the bore of said block and having its inner end formed with a clutch member, a paper roller extending longitudinally in said casing with one end journaled in said bearing and its other end formed with a clutch member for engaging the clutch member of said stem, a helical spring coiled about said stem within the bore of said block with one end anchored to the stem and its other end anchored to the block, a cap fitting about the outer end portion of said stem and held against rotation thereon, the neck of said block being formed with ratchet teeth, and pawls carried by said cap for engaging the ratchet teeth of said neck to hold the cap and stem against retrograde rotation when the cap and stem are turned in a direction to wind and tension said spring.

2,099,269

NECKWEAR DISPLAY CLIP

Roger K. Hoffman, Moscow, Idaho

Application February 3, 1936, Serial No. 62,186
5 Claims. (Cl. 223—1)



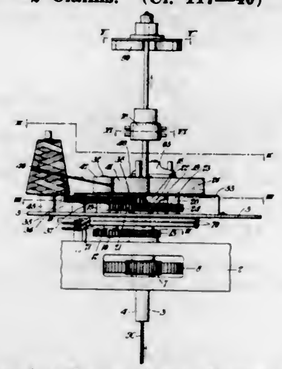
1. A clip comprising a substantially U-shaped portion adapted to straddle a shank of a support, overlapping resilient arms formed on the U-shaped portion, said arms capable of free sliding movement upon one another, and jaws formed on said arms and having their free ends bent in the direction of each other to grip opposite edges of a folded tie to retain the latter in a position to have the appearance of a tied tie.

2,099,270

APPARATUS FOR COATING WIRE

Owen A. McNamee, Worcester, Mass.

Application November 25, 1936, Serial No. 112,832
2 Claims. (Cl. 117—40)



1. Apparatus for applying fibrous insulating material to an electrical conductor comprising a rotary head, said rotary head having an axial opening through which said electrical conductor passes, a spool of fibrous insulating material carried by said rotary head, carding means on said rotary head for applying said fibrous insulating material to said electrical conductor, means on said rotary head for assisting the removal of said fibrous insulating material from said carding means and onto said electrical conductor, driving means actuating said carding means during the rotation of said rotary head, and independent means for actuating said assisting means.

2,099,271

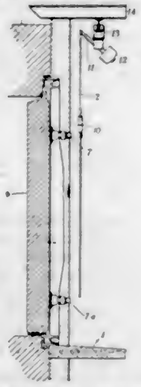
OPERATING DEVICE FOR USE IN CONNECTION WITH COKE-OVEN DOORS

Charles Craib Middleton and Reginald Frank Krall, London, England, assignors to Woodall-Duckham (1920) Limited, London, England, a British company

Application August 17, 1936, Serial No. 96,498
In Great Britain October 4, 1935
7 Claims. (Cl. 202—270)

1. In a coke oven having a door held in closed

position by upper and lower screws which lie in a common vertical plane parallel to the face of the door, the combination of means for releasing the upper screw comprising a support, a wrench carried by said support and suspended therefrom above the upper screw and in laterally spaced



relation with reference to the plane of the screws, means for connecting the wrench to the support so that it can be lowered into alignment with the top screw, said connection including means for simultaneously causing the wrench to approach the plane of the screws as it is lowered, and means for operating said wrench.

2,099,272

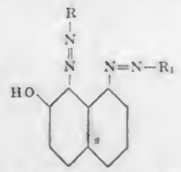
WATER-INSOLUBLE AZODYESTUFFS AND FIBER DYED THEREWITH

Heinrich Morschel, Leverkusen-Wiesdorf, and Felix Gund, Cologne-Deutz, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 7, 1935, Serial No. 48,776. In Germany November 14, 1934

12 Claims. (Cl. 260—83)

1. Waterinsoluble azodyestuffs of the general formula:



wherein R stands for aryl and R_1 stands for a member selected from the group consisting of the radical of an arylamide of a β-ketocarboxylic acid and of an arylamide of an o-hydroxycarboxylic acid which has been coupled in o-position to the hydroxy group, yielding when produced on the fiber various shades of good fastness properties.

2,099,273

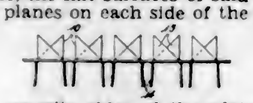
TIMBER CONNECTER

James E. Myer, Washington, D. C., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware

Application October 5, 1936, Serial No. 104,133

4 Claims. (Cl. 20—92)

1. A timber connecter comprising: a plate; relatively thin flat right-angled triangular teeth projecting from each side of said plate; the altitude edges of said teeth extending perpendicularly to said plate, the flat surfaces of said teeth lying in parallel planes on each side of the plate; said



planes on opposite sides of the plate being directed so as to be parallel with the grain of the respective timbers to be connected.

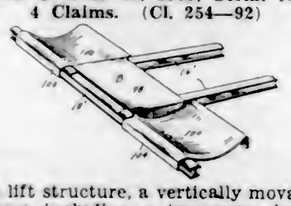
2,099,274

AUTOMOBILE LIFT

Don D. Myers, Toledo, Ohio, assignor to Modern Equipment Corporation, Defiance, Ohio, a corporation of Ohio

Application October 28, 1935, Serial No. 47,137

4 Claims. (Cl. 254—92)



1. In a lift structure, a vertically movable carriage frame including a transverse beam and free wheel rails and a saddle for support on said rails, said saddle having laterally extending flanges for engaging the wheels of an automobile, said flanges being dished in a fore and aft direction and resting on said transverse beam and being thereby reinforced against bending when under load.

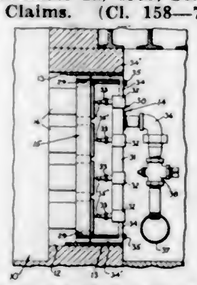
2,099,275

GAS BURNER

Fred A. Nemec, Whittier, Calif.

Application November 11, 1935, Serial No. 49,198

6 Claims. (Cl. 158—7)



1. A burner including a burner tube holder, said holder having a plurality of apertures therein, said apertures being slightly elliptical in shape and a plurality of tile burner tubes, each of said tubes comprising a substantially cylindrical body portion having an aperture therethrough, said body having an enlarged shoulder thereon terminating in an enlarged flange portion, said tube shoulder being slightly elliptical in shape, said tubes being mounted on said holder with said shoulders thereof positioned in said holder apertures and rotated to tightly engage the surfaces of said holder apertures.

2,099,276

EGG SEPARATOR

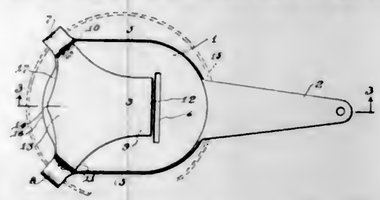
Thomas J. O'Connell, Flint, Mich., assignor of one-half to John W. Mestrezat, Flint, Mich.

Application June 11, 1936, Serial No. 84,749

3 Claims. (Cl. 146—2)

1. In a device of the class described, a spoon for separating the white from the yolk of an egg

comprising a receptacle provided with upstanding sides and a discharge mouth, a hook member protruding upwardly from each of said sides,



and a check means for retaining the yolk of the egg while the white is being discharged, said check being pivoted to said receptacle adjacent the discharge end thereof.

2,099,277

ANIMATED DISPLAY

Donald L. Peterson, Minneapolis, Minn.

Application May 3, 1937, Serial No. 140,378

6 Claims. (Cl. 40—138)



5. In an animated display device, a base card element, a cooperating card element movable with respect to said base card, said movable card element being designed to simulate motion of a portion of said base card, an anchor plate, clincher elements connecting one of said card elements and said anchor plates, a connecter element comprising a box like structure having a flat base portion and a medial upstanding crimped portion, parallel side portions extending upwardly from said base portion, slide elements on said side portions and spaced from said base portion, a bracket plate, clincher elements securing said bracket plate to the other of said card elements, said slide elements being adapted to slide beneath portions of said bracket plate between said bracket plate and said card element to secure said box like connecter to said bracket plate, a crimped portion on said anchor plate, and a bar spring whose ends are rigidly secured in the crimped portions of said anchor plate and said box like connecter.

2,099,278

INTERNAL COMBUSTION ENGINE

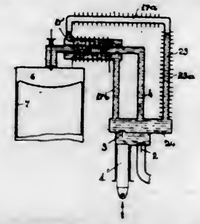
Emil Schimanek, Budapest, Hungary

Application April 24, 1931, Serial No. 532,397

In Austria April 25, 1930

18 Claims. (Cl. 123—32)

1. A method of operating internal combustion engines with liquid fuel injection, particularly Diesel engines, comprising supplying liquid fuel to the engine under pressure, heating the liquid fuel while on its way to the engine cylinder under pressure through an interposed liquid between the source of heat and the liquid fuel to be heated, the said liquid forming the means of transmitting heat from the source to the fuel, regulating the heating of the fuel to be injected to maintain the temperature thereof intermediate its vaporization temperature under pressure before injection and its vaporization temperature at the lower pressure within the cylinder



to thereby maintain the fuel in the liquid state prior to its introduction into the cylinder and to provide sufficient heat in the fuel so that it is vaporized as a result of the heat contained therein when introduced into the cylinder at said lower pressure, and then injecting the fuel into the engine cylinder.

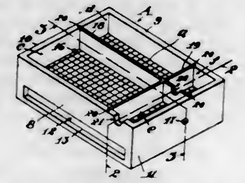
2,099,279

SOAP AND BRUSH HOLDER

Morris Schnider, Los Angeles, Calif.

Application September 15, 1936, Serial No. 100,878

4 Claims. (Cl. 132—79)



1. In a receptacle, a boxlike dish having a basin in the lower portion thereof and formed with a side wall drain opening spaced from the bottom and from the margin of the dish side wall, an apertured false bottom in said dish extending on a plane above said drain opening and below the margin of the side and end walls of the dish, and partitions separating the space above said false bottom into a plurality of article receiving compartments.

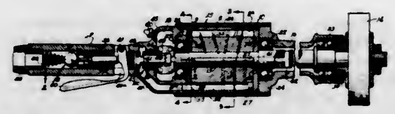
2,099,280

PORTABLE PRESSURE FLUID ACTUATED TOOL

Ernest H. Shaff, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a corporation of Michigan

Application October 21, 1933, Serial No. 694,525

13 Claims. (Cl. 121—34)



5. A portable tool having a rotary pneumatic motor including a cylinder, a rotor mounted eccentrically in said cylinder and adapted to be rotated by the force of fluid pressure, a pair of passages in the walls of said cylinder, one of said

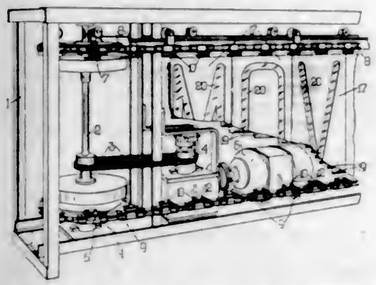
passages communicating with a source of pressure fluid and having ports communicating with the interior of said cylinder to direct the pressure fluid into operative engagement with said rotor, and the other of said passages communicating with a source of lubricant and having a port to the interior of said cylinder to direct lubricant to said rotor.

2,099,281

MOVING BAND FOR ADVERTISING AND THE LIKE DEVICES

George Stanley Shaw, Wallasey, England

Application February 18, 1936, Serial No. 64,593
In Great Britain March 13, 1935
3 Claims. (Cl. 40—32)



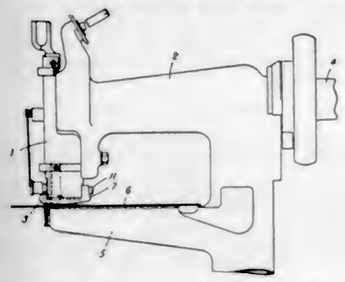
1. A display device comprising in combination a pair of endless flexible carrier elements, pairs of brackets disposed thereon at spaced intervals, a plurality of interchangeable display sign elements, fastenings on opposite ends of said display sign elements engaging alternate brackets of a pair, so that the end of one display sign element always overlaps the end of the next display sign element.

2,099,282

GUARD FOR MACHINERY

Ernest Smith, Manchester, England

Application October 20, 1936, Serial No. 106,680
In Great Britain November 12, 1935
3 Claims. (Cl. 74—612)



1. A guard for the reciprocating mechanism of the head of a machine of the stapling or stitching type, comprising a member having a recess opening through a face thereof to receive said head and snugly engage about the end thereof, said member having a passage therethrough within said recess through which the reciprocating mechanism of the head may operate, and means upstanding from said one face of the member whereby said member may be attached to said head.

2,099,283

TRACTION SPREADER

Hale W. Stevenson, Des Moines, Iowa

Application December 22, 1936, Serial No. 117,224
5 Claims. (Cl. 291—22)



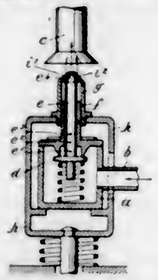
1. The combination of a receptacle having a discharge, means for swingingly supporting the receptacle forwardly of and in close relation to a vehicle wheel, and means partially within the receptacle and engageable with the vehicle wheel for feeding material from said receptacle through said discharge onto a road bed and having measuring spaces regulating the quantity of material discharged.

2,099,284

GAS VALVE CONSTRUCTION

Wilhelm Strelow, Berlin-Zehlendorf, and Max Strelow, Potsdam, Germany

Application January 8, 1936, Serial No. 58,168
In Germany May 23, 1935
4 Claims. (Cl. 251—115)



1. A gas valve construction comprising a gas chamber, a pipe through which gas is introduced into said chamber, an outlet from said chamber, a valve adapted to close said outlet, an external tubular guide mounted on said chamber wall and contiguous with said outlet, a hollow tubular member slidable within said guide towards the interior of said chamber by a distance determined by the travel of said valve in its opening motion, a cap on the upper end of said hollow tubular member, adapted to be depressed to press said cap against said hollow tubular member to displace said valve from said outlet, the wall of said hollow tubular member being apertured at the end adjacent said valve to form a communicating channel of cross sectional area varying with the sliding displacement of the tubular member.

2,099,285

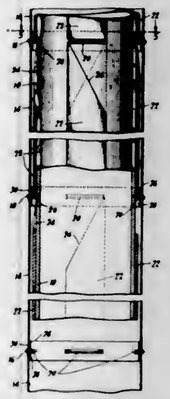
CONCRETE PILE MANUFACTURE

Maxwell M. Upson, Englewood, and Edward A. Smith, Chatham, N. J., assignors to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey

Application May 23, 1936, Serial No. 81,362
8 Claims. (Cl. 61—57)

1. In apparatus for forming a concrete pile, a drive core having sets of spaced-apart shoulders at intervals along its length, in combination with a pile shell comprising a plurality of rings each having a set of internal lugs, each lug being

adapted for engagement by one of a set of said shoulders, and each ring having a shell section



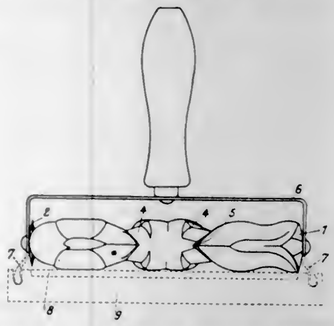
secured thereto and extending upwardly to engage the ring next above it.

2,099,286

PASTE CUTTING ROLLER

Christian Usbeck, Steinbach-Hallenberg, Germany

Application November 1, 1935, Serial No. 47,818
In Germany November 7, 1934
1 Claim. (Cl. 30—306)



A paste cutting roller for cutting paste shapes without intervening spaces, comprising in combination a bow-shaped frame handle, a solid body loosely mounted in said handle, said solid body composed of an axial core, circular knives one at each end of said core, and cutter blades of irregular shape projecting from said axial core and extending one into the other along the entire length of the roller between said circular knives.

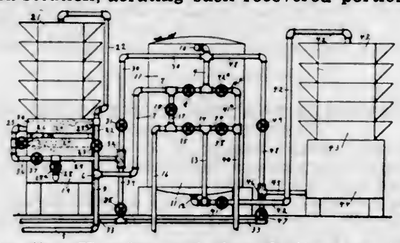
2,099,287

METHOD OF SOFTENING WATER

Clayton W. Woods, Burbank, Calif.

Application October 24, 1932, Serial No. 639,206
7 Claims. (Cl. 23—112)

5. In the art of water softening in which successive runs of hard water through zeolites are alternated with regenerations of said zeolites by bringing a sodium chloride regenerating solution into intimate contact with the zeolites whereby a base exchange is effected and the pH value of said solution is lowered, recovering a portion of said solution, aerating such recovered portion to



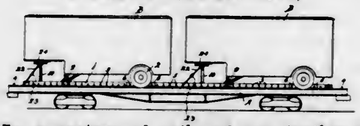
raise its pH value and thus further use in a subsequent regeneration.

2,099,288

RAILROAD CAR AND TRAILER COMBINATION APPARATUS

Edwin H. Allen, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation

Application November 29, 1935, Serial No. 52,268
7 Claims. (Cl. 105—368)



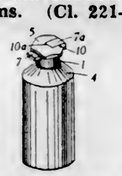
1. In a system of railroad car trailer transportation means of the class described, in combination, a car, guide members on the car for cooperation with the rear end supporting wheels of a trailer to guide the movement of the trailer longitudinally of the car, chocks carried by the car and having projections to interlock with the guide members, said guide members having openings at intervals in their lengths to receive said projections, and instrumentalities for connecting the front end of the trailer with the car, said instrumentalities cooperating with said guiding members and shiftable upwardly and downwardly for cooperation with the king pin at the front end portion of a trailer.

2,099,289

DELIVERY OR EXTRUSION NOZZLE DEVICE

Raymond Harvey Anderson, Thornton Heath, England

Application October 16, 1936, Serial No. 106,003
In Great Britain February 22, 1936
5 Claims. (Cl. 221—60)



1. A cap or nozzle for use on a container comprising a body part adapted to be fitted to a container, a slidable shutter-like closure member slidable transversely through the body part, an aperture in said slidable member between its ends normally covered by the top of the said body part, an opening in the top of the body part with which the aperture in the slidable member is brought into and out of registration by to and fro sliding movement of said slidable member, a pair of abutments on said slidable member, one

of which is near the aperture in the slidable member and normally engaged against an edge of said opening in the top of the body part, the other abutment serving as a stop to limit the opening sliding movement of the slidable member.

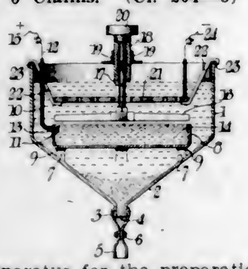
2,099,290

APPARATUS FOR THE MANUFACTURE OF MERCURY SULPHATE

Ronald J. Baird, Passaic, N. J., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Original application February 4, 1932, Serial No. 590,918. Divided and this application December 6, 1935, Serial No. 53,229

6 Claims. (Cl. 204—5)



1. An apparatus for the preparation of mercury salts comprising a container having sidewalls and a funnel-shaped bottom provided with closure means adapted to be opened for removing a portion of the salt formed, a shallow, non-conductive, acid-resistant vessel containing mercury as an anode supported near, but above the container bottom, and spaced from the container sidewalls, an insulated electrical conductor leading into the shallow vessel, an agitator positioned in close proximity to the shallow vessel for removing mercury salts from the vicinity thereof, a cathode positioned in the container, and a second electrical conductor leading to the cathode.

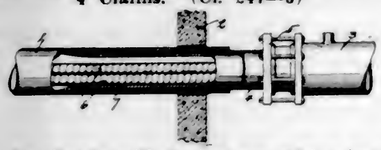
2,099,291

ELECTRIC CABLE SYSTEM

Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application May 14, 1936, Serial No. 79,733

4 Claims. (Cl. 247—3)



1. An electric cable system comprising in combination a plurality of sheathed cable sections, an outer enclosure for the cable sections, a joint for the cable sections comprising an enclosing joint casing, the outer ends of the joint casing extending into the said outer enclosure and the cable sheath being expanded to unite the joint casing and said outer enclosure.

2,099,292

DRIPLESS DISPENSING DEVICE

Mortimer J. Brown, Niagara Falls, N. Y.

Application August 25, 1936, Serial No. 97,747

9 Claims. (Cl. 221—23)

1. A cover for liquid dispensing containers having a discharge means and a diametrically opposed air vent, said vent comprising inner and outer channels, the inner channel being shorter than the outer channel and meeting same at an angle, and the outer channel being arranged to



extend substantially vertically upward from the inner channel when the cover is in a pouring position and having no portion that slopes downward from the inner channel when the cover is in normal non-pouring position.

2,099,293

CHEMICAL COMPOUND AND USE THEREFOR

Willi Brun, Stratford, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

No Drawing. Application August 3, 1935, Serial No. 34,636

6 Claims. (Cl. 52—4)

1. A thallium salt of styphnic acid.

2. An ammunition priming mixture containing a thallium styphnate.

2,099,294

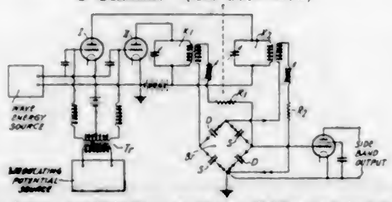
CARRIER WAVE MODULATION AND SUPPRESSION

Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 8, 1936, Serial No. 104,631

In Germany September 30, 1935

5 Claims. (Cl. 179—171)



1. In a modulation system of the carrier wave suppression type comprising a pair of electron discharge tubes of the multiple-electrode type and means for impressing wave energy to be modulated on like electrodes thereof and modulating energy on like electrodes thereof, a bridge circuit having four arms, a coupling between the output electrodes of one of said tubes and opposed points on said bridge, a coupling between the output electrodes of the other of said tubes and other opposed points on said bridge and an output circuit coupled to one arm of said bridge.

2,099,295

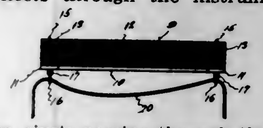
WRIST-TYPE MEMORANDUM PAD

Dana W. Canfield, Chico, Calif.

Application July 24, 1936, Serial No. 92,426

2 Claims. (Cl. 281—1)

1. A wrist-type memorandum pad comprising a backing member of relatively rigid material formed at opposite ends with special adapter extensions, a memorandum pad composed of a plurality of individual memorandum sheets stacked upon one another and assembled on said backing member, said sheets being provided with anchoring tabs corresponding to said extensions, said tabs being connected with the body portions of the sheets through the instrumentality of



score lines, rivets passing through the respective sets of tabs and extensions, the rivets being of general U-shaped form and the free ends thereof being fashioned into retention eyes, and a pair of strap accommodation bails of general U-shaped form having the free ends of their arms provided with eyes hingedly connected with said first-named eyes.

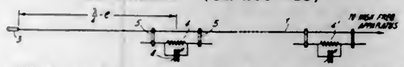
2,099,296

APERIODIC ANTENNA

Philip S. Carter, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 23, 1933, Serial No. 703,801

10 Claims. (Cl. 250—33)



1. The combination with an open ended antenna adapted to function over a range of frequencies which is long relative to the wave length and whose radiating structure is devoid of concentrated reactance, of a power absorbing device in the form of a resistance shunting a portion of said antenna, said resistance being located at or near a point substantially an odd multiple of a quarter wave length of the mean frequency of said range from the open end, whereby said antenna is rendered substantially aperiodic over said range and substantially unidirectional in character.

2,099,297

PHOTOGRAPHIC MATERIAL AND PROCESS

Louis Etienne Clément, Meudon-Val-Fleury, France, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application June 23, 1936, Serial No. 86,775. In France June 24, 1935

2 Claims. (Cl. 95—6)

1. The method of producing photographic images which comprises exposing to the action of light a sensitive layer comprising a halogen-liberating compound and a polyvinyl compound the color of which is affected by the liberated halogen, developing the layer in an aqueous solution, and fixing the image in a solution of a solvent for the halogen-liberating compound.

2,099,298

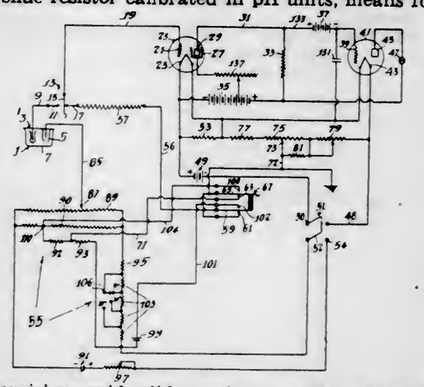
ELECTRICAL TESTING APPARATUS

Henry E. Fracker, Pasadena, Calif., assignor to National Technical Laboratories, Pasadena, Calif., a corporation of California

Application September 21, 1935, Serial No. 41,603

14 Claims. (Cl. 175—183)

1. In a calibrated potentiometer for balancing the E. M. F. of and indicating directly at a plurality of temperatures the pH of a test cell, which cell has a constant potential other than zero at all said temperatures at one value of pH but which has a potential which varies linearly with temperature change at other values of pH, a slide resistor calibrated in pH units, means for



energizing said slide resistor, and calibrated means for electrically varying the scale vs. E. M. F. characteristic of said slide resistor to correspond to the pH vs. E. M. F. characteristics of the cell at different temperatures.

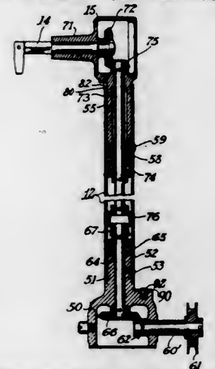
2,099,299

REEL MOUNTING FOR MOTION PICTURE PROJECTION APPARATUS

Edwin C. Fritts, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application April 14, 1936, Serial No. 74,330

11 Claims. (Cl. 242—55)



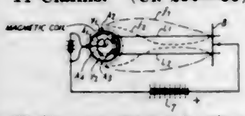
4. In a motion picture projector the combination of a housing, a takeup reel mounted on said housing, a supply reel, means for movably mounting said supply reel on said housing to swing from a projecting to a rewinding position relative to said takeup reel, said means including a tube member, a supply spindle, a support for said spindle rotatably and slidably mounted in one end of said tube member, a power shaft for rewinding purposes extending into the other end of said tube member, and a drive shaft geared to said supply spindle and movable with the support therefor, said drive shaft adapted to alternately engage and disengage said power shaft as the spindle is rotated between its rewinding and projecting positions respectively.

2,099,300

OSCILLATION GENERATOR

Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 7, 1936, Serial No. 78,306
In Germany May 9, 1935
11 Claims. (Cl. 250—36)



1. An oscillation generator having an electron discharge tube of the magnetron type, a linear cathode and a plurality of anodes in said tube, a magnetic field producing means adjacent said tube, conductors interconnecting certain of said anodes in pairs, a Lecher-wire system connected to said conductors, and tuning means such that a plurality of resonant conditions is provided by said Lecher-wire system in combination with portions of said conductors, thereby to determine one frequency of oscillations to be delivered by two certain anodes, one in each pair thereof, and to determine a different frequency of oscillations to be delivered by two other anodes, one in each pair thereof.

2,099,301

PAPER WRAPPER FOR COMMODITIES

Carl S. Hamersley, New York, N. Y., and Sumner C. Fairbanks, Passaic, N. J.; said Fairbanks assignor to said Hamersley

Application September 21, 1933, Serial No. 690,394
10 Claims. (Cl. 229—87)



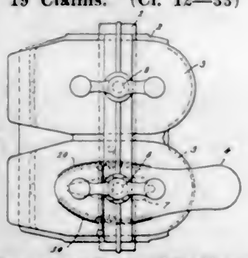
1. A waxed paper wrapper having along certain margins a coating of bonding material which is unreactive toward wax and of no appreciable normal viscidity, said material having a greater viscosity than wax and being substantially tacky at the melting temperature of wax.

2,099,302

PRESS FOR SOLING SHOES

Erik Algot Hammarsjö, Stockholm, Sweden

Application July 28, 1932, Serial No. 625,442
In Sweden May 18, 1931
19 Claims. (Cl. 12—33)



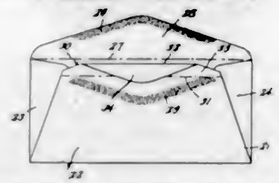
1. In a shoe press, the combination of a cushion support whereon to clamp the sole portion of a shoe, a last entered in the shoe for clamping purposes, means for applying clamping pressure to the last, a presser foot operated by the last mentioned means having a lower portion bearing on the last and an upper portion extending from the shoe, and welt clamping means acted upon by the upper portion of the presser foot to force the welt downwardly simultaneously with the application of clamping pressure to the sole portion.

2,099,303

SELF-SEALING ENVELOPE

William Hohwart, Woodside, N. Y.

Application May 13, 1937, Serial No. 142,362
7 Claims. (Cl. 229—80)



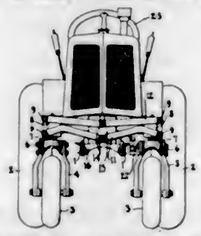
6. In an envelope, a rear wall and a front wall having a closure flap swingable to overlie the rear wall, complementary areas of dry sealing adhesive on the underside of the flap and the rear surface of the rear wall, and a protector flap of a size and normally disposed in active position for preventing contact of said adhesive areas, said protector flap having spaced transverse fold lines to permit of swinging movement of the same to an inactive position for exposing the adhesive areas for sealing contact.

2,099,304

COMPENSATING WHEEL MOUNTING

Lionel J. Kepler, Dayton, Ohio

Application September 17, 1936, Serial No. 101,239
8 Claims. (Cl. 280—95)



1. A motor vehicle comprising, in combination, a chassis frame, a pair of levers pivoted to said frame and having vertically aligned pivots, a pair of wheel suspension blocks hinged respectively to the ends of said levers on vertically aligned pivots whereby said levers are adapted to move in parallelism in a substantially vertical plane, and a yoke suspended from the underside of each of said wheel suspension blocks at points inwardly from the ends of said pair of levers, said yokes having arms projecting downwardly and straddling a wheel journalled between said arms whereby the load supporting point of the vehicle is located above the axial center and above the periphery of the wheel.

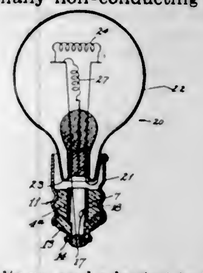
2,099,305

ELECTRICAL DEVICE

Alfred Lampl, Berlin, Germany, assignor to Norma Electric Corporation, New York, N. Y., a corporation of New York

Original application September 24, 1926, Serial No. 137,602. Divided and this application March 11, 1932, Serial No. 598,149. In Germany March 13, 1926
1 Claim. (Cl. 176—24)

An electric lamp comprising a base, a bulb attached thereto, a filament within the lamp having the ends thereof connected to the terminals of the base, a shunt within the lamp across said filament, normally non-conducting below a predetermined voltage, and adapted to become automatically conducting above said voltage, and a ballast resistance having one end embedded within said shunt and the other end thereof connected electrically to said filament.

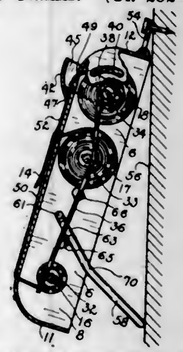


2,099,306

REGISTER

William Marshall, Seattle, Wash.

Application April 24, 1936, Serial No. 76,237
3 Claims. (Cl. 282—16)



1. In a device as described, the combination with a support having a writing surface provided with spaced transverse slots adapted to receive a web and having an auxiliary slot, a pair of reels mounted beneath said surface adapted for coaction with the opposite ends of the web, and means for revolving said reels, of an auxiliary reel mounted beneath said surface adjacent said auxiliary slot having a duplicating web thereon and one end of said duplicating web being attached thereto and the other end passing through said auxiliary slot and overlapping said first web, shearing means for said duplicating web pivotally mounted on said auxiliary reel, grooved collars and said reels, and means engaging said collars for releasably retaining said reels and for urging said shearing means to operating position.

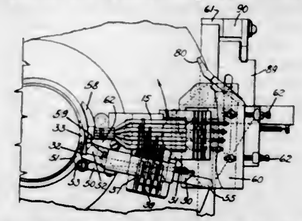
2,099,307

YARN-CHANGE FEEDING MECHANISM FOR CIRCULAR KNITTING MACHINES

Harry McAdams, Philadelphia, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a corporation of Pennsylvania

Application February 10, 1936, Serial No. 63,233
7 Claims. (Cl. 66—140)

1. In a knitting machine having a circle of knitting needles and operative mechanism therefor, a yarn changing mechanism comprising, a plurality of yarn guides arranged to selectively feed yarn adjacent the outside of said circle of needles, an equal plurality of yarn clamping members movable across the needle circle and each having an operative connection to its respective guide for retracting said member by movement of its guide to non-feeding position, a clamping contact member adjacent the inner side of said needle circle, and a common yarn cutting device operative to release any retracted clamping member to advance and engage its severed thread against said contact member within the needle circle.

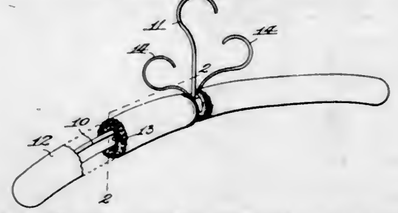


2,099,308

GARMENT HANGER SLIP-ON COVER

Johanna C. McAllister, Salt Lake City, Utah

Application December 8, 1936, Serial No. 114,773
3 Claims. (Cl. 223—98)



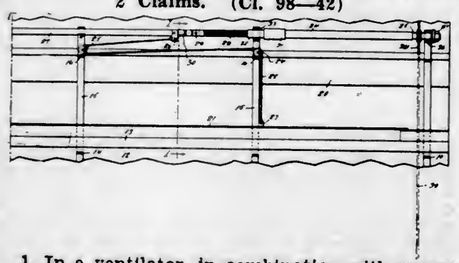
1. A slip-on cover for garment hangers comprising an inner tubular member of fabric adapted to receive one of the diverging arms of a garment hanger, an outer tubular member of fabric enclosing said first mentioned tubular member, said tubular members being closed at one end, the edges of the fabric tubes being secured to each other at the opposite end, and a filling of fibrous cushioning material between said tubular members.

2,099,309

VENTILATOR

James H. McDerment, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio

Application August 21, 1935, Serial No. 37,195
2 Claims. (Cl. 98—42)



1. In a ventilator, in combination with means defining a horizontal opening to be closed, a horizontally disposed damper and means for moving

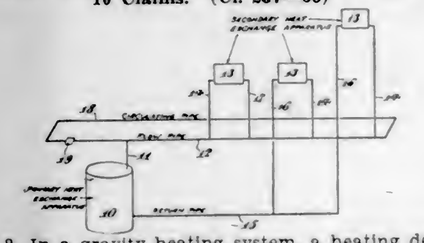
said damper vertically, parallel to itself, to and from closing relation to said opening, said last means comprising pulleys fixed with respect to said first means, one of said pulleys being spaced from another thereof laterally of said damper and one of said pulleys being spaced from another thereof longitudinally of said damper whereby the vertical projections of lines extending from each pulley to all the others will outline an area on said damper, flexible elements passing over said pulleys and extending vertically downwardly and connected to said damper whereby to suspend the same, an actuating element mounted for reciprocating movement longitudinally of said damper, said flexible elements being connected to said actuating element, remote control means for operating said actuating element and connecting means interposed between said actuating means and said remote control means and including mechanism for securing a mechanical advantage.

2,099,310

HEAT EXCHANGE SYSTEM

Frederick D. Mensing, Philadelphia, Pa.

Application February 3, 1934, Serial No. 709,560
10 Claims. (Cl. 237—63)



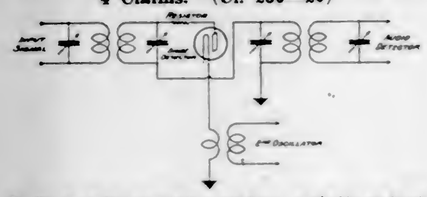
8. In a gravity heating system, a heating device for heating a liquid heat transfer medium, a heat emitting appliance, means, including a flow pipe, for conveying the heat transfer medium from said device to said appliance, a return pipe for conveying the heat transfer medium from said appliance to said device, a circulating pipe connecting the opposite ends of said flow pipe, and means in said circulating pipe for inducing circulation of said heat transfer medium through said flow pipe and said circulating pipe.

2,099,311

CIRCUIT FOR REDUCING STATIC

Madison G. Nicholson, Jr., Verona, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware

Application August 1, 1935, Serial No. 34,119
4 Claims. (Cl. 250—20)



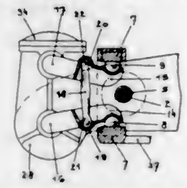
3. In a radio receiving system, a static reducing circuit, comprising a diode detector having a resistor in series, said detector being actuated by a radio frequency signal, an oscillator the frequency of which differs from the frequency of said signal by a super-audible frequency, and a radio frequency coupling device tuned to a frequency which is the resultant of the oscillator frequency and the frequency of said signal, said coupling device feeding an audio detector.

2,099,312

SPRING SUSPENSION OF INDEPENDENT CAR WHEELS, ESPECIALLY FOR MOTOR VEHICLES

Ferdinand Porsche, Stuttgart, Germany

Application January 25, 1932, Serial No. 588,719
In Germany August 10, 1931
5 Claims. (Cl. 280—124)



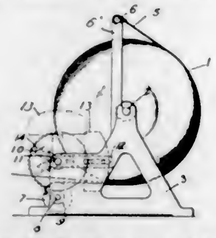
1. A wheel suspension particularly for motor cars, comprising a vertical member on which the wheel is mounted, a pair of supporting levers forming a four jointed link motion device with the member guiding it for oscillation in rigidly determined planes and having one end of each of the levers connected with invariable spacing of joints to one end of the member, a shaft secured at the other end of each of the levers, a single metallic spring secured to each of the shafts, and means for mounting said shafts with invariable spacing of axes on a frame of the car whereby the wheel will be elastically mounted relative to the frame, said spring being continuous and spirally coiled around each shaft and one end is secured to each shaft.

2,099,313

UNWINDING APPARATUS FOR PAPER WEBS AND THE LIKE

Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

Application October 8, 1935, Serial No. 44,000
1 Claim. (Cl. 242—75)



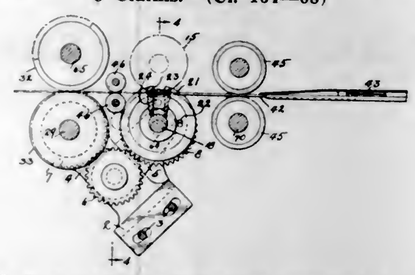
Unwinding apparatus for rolls of strip material, comprising in combination a frame, means for rotatably supporting a roll to be unwound on said frame, a belt having one end anchored to said frame above said roll and passing about the roll and contacting the periphery thereof, a drum having the other end of said belt secured thereto, a weight, a lever on which said weight is adjustably mounted, a gear for gearing said lever to said drum, said weight swinging in an arc by gravity concentric with said gear as the roll is unwound to wind the belt on said drum thereby uniformly to decrease the contact pressure of the belt on the roll periphery in direct proportion to the uniform reduction in the virtual diameter of the roll as unwinding proceeds, whereby maximum belt pressure is applied to the roll periphery when the roll diameter is maximum and minimum belt pressure when the roll diameter is minimum.

2,099,314

CUTTING-OFF MECHANISM FOR BAG MAKING MACHINES AND THE LIKE

Adolph Potdevin, Garden City, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York

Application November 7, 1935, Serial No. 48,614
3 Claims. (Cl. 164—68)



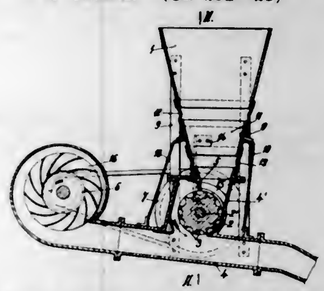
3. In a machine of the class described, a pair of forwarding rollers for continuously advancing tubing which is to be divided into bag lengths, a constant speed drive shaft for said rollers, a gear train between said drive shaft and said rollers, a pair of cut-off cylinders for severing the tubing into bag lengths, said cylinders making one revolution for each bag length, adjustable means intermediate the said constant speed drive shaft and said cut-off cylinders for transmitting power to the cylinders, variations in the said gear train effecting changes in the tubing speed without varying the speed of the said drive shaft, and adjustment of said adjustable means intermediate the drive shaft and cut-off cylinders maintaining the surface speed of the cut-off cylinders at tubing speed at the instant of cut-off throughout the said changes in speed of the tubing.

2,099,315

TRACK SANDING DEVICE

Karel Procházka, Dusniky, Czechoslovakia

Application February 2, 1937, Serial No. 123,639
In Czechoslovakia February 11, 1936
2 Claims. (Cl. 291—23)



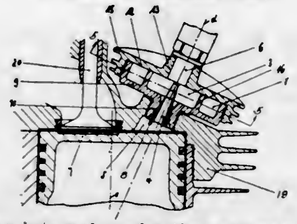
1. A track sanding device for motor vehicles comprising a tubular chute, a sand hopper superposed on and communicating with said chute, said hopper being divided in vertical direction into three sections, flexible connections uniting the three sections, rigid supporting connections between the chute and the top and bottom sections of the hopper, elastic supporting connections between the chute and the intermediate hopper section, a rotary sand feeding element mounted in the bottom section of the hopper for delivering sand into the chute, a driving shaft for said feeding element, means operated by said shaft for imparting a vibratory movement to the intermediate hopper section, and a fan communicating with the chute for discharging the sand from the latter.

2,099,316

PRECOMBUSTION-CHAMBER ENGINE

Karl Rabe, Stuttgart, Germany

Application June 24, 1933, Serial No. 677,446
In Germany June 27, 1932
14 Claims. (Cl. 123—32)



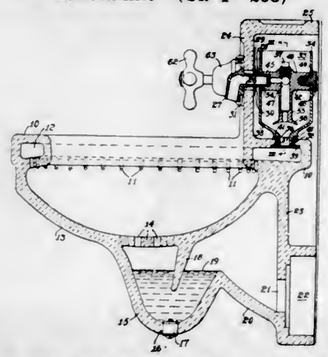
1. In an internal combustion engine, a cylinder comprising a combustion chamber, a precombustion chamber and an intermediate whirling chamber, said whirling chamber being of generally round form, having a generally flat top and bottom connected by an annular side wall and formed with a generally axial passage extending from near the center of one of said generally flat walls in a direction generally transverse to the generally flat top and bottom of the whirling chamber and into the combustion chamber and provided with at least one passage tangential to the side wall of said intermediate chamber and connecting with the precombustion chamber, whereby during compression air may flow from the combustion chamber through the intermediate chamber to the precombustion chamber with relatively low resistance but return flow will cause whirling in the intermediate chamber about its axis and in said passage from the intermediate chamber to the combustion chamber, and a fuel supply device for injecting a charge of fuel into said air for mixing therewith within said precombustion chamber or said intermediate chamber or said passages.

2,099,317

DENTAL LAVATORY

Victor E. Schmiedeknecht, Louisville, Ky., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey

Application December 24, 1936, Serial No. 117,525
10 Claims. (Cl. 4—263)



1. A dental lavatory comprising a bowl having drain openings therein, a hollow rim superjacent

said bowl and provided with washdown openings communicating with said bowl, a trapway subjacent said bowl and communicating with said bowl via said drain openings, a discharge leading from said trapway, a spout operatively associated with said lavatory and means for irreversibly delivering water to said bowl irrespective of the conditions existing in said bowl and its associated water supply system.

2,099,318

PROCESS OF PREPARING RUBBER CONVERSION PRODUCTS

Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 30, 1933, Serial No. 654,248. Renewed April 3, 1937

8 Claims. (Cl. 260—1)

1. A method of treating rubber which comprises dissolving it in an inert solvent, adding tin tetrachloride to the resulting cement, permitting the mixture to react at room temperature to form an addition product, splitting tin from the addition product under reducing conditions and drying in the absence of air.

2,099,319

GRIP, HANDLE, OR SHAFT OF PERCUSSIVE OR SWINGING IMPLEMENTS

David Mackintosh Shaw, Sydenham, London, England

Application July 8, 1935, Serial No. 30,256

In Great Britain July 12, 1934

4 Claims. (Cl. 273—81)



1. A grip for the shafts of bi-manual percussive or swinging implements comprising an implement shaft, a tubular grip sleeve or hollow handle cover of substantially greater diameter than said shaft and of a length to be grasped by both hands of the user adapted concentrically to encircle said shaft and means for rigidly attaching said grip sleeve only about the center of the length of said sleeve to said shaft.

2,099,320

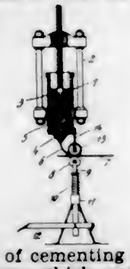
METHOD OF UNITING CURVED BODIES INCLUDING BOOTS AND SHOES

Willy Stelkens, Cologne-on-the-Rhine, Germany

Application January 22, 1934, Serial No. 707,763

In Germany January 26, 1933

2 Claims. (Cl. 12—142)



1. The method of cementing the sole of a boot or shoe to the vamp which comprises depositing a cord of a semi-solid cement along the marginal portion of one of the parts to be united, exerting pressure on said cord to flatten same, applying to said cord a solvent to cause the cement to swell and become tacky, bringing the part with the cement covering its marginal portion in contact with the marginal portion of the other part, and uniting said portions by applying pressure.

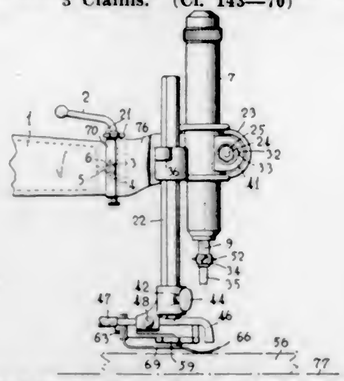
2,099,321

SCROLL SAW

Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.

Application May 22, 1935, Serial No. 22,824

3 Claims. (Cl. 143—70)



1. In a mechanism having a frame and a guiding head for a mechanically driven device, means for releasably securing the head to the frame, comprising cooperating dovetail members carried by the frame and by the head respectively and means for latching said dovetail members to one another, said latching means comprising a rotatable and vertically adjustable cam and a stop preventing excess rotation of the cam, so that when the cam is in proper position to release the dovetail members from one another, the stop will automatically prevent further rotation in the releasing direction, said cam having an actuating handle at its upper end, a member projecting downwardly from the cam and means cooperating with said downwardly projecting member for adjusting the position of the cam in a vertical direction.

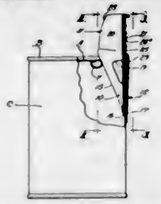
2,099,322

MEANS FOR OPENING CONTAINERS

Ozro N. Wiswell, Los Angeles, Calif.

Application June 28, 1933, Serial No. 678,063

24 Claims. (Cl. 221—23)



1. A device for opening containers including, a cutter of substantially U-shaped cross section operable to cut an opening in the container and adapted to project from the container to form a spout therefor, and a member in connection with the cutter for engaging a wall of the container to guide the cutter to make the opening in an end of the container immediately adjacent its line of

joinder with said wall, the member being approximately the same width as the cutter, there being an opening in the cutter to allow for the drainage of liquid from between the cutter and said wall.

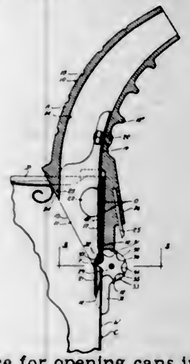
2,099,323

DEVICE FOR OPENING CANS

Ozro N. Wiswell, Los Angeles, Calif., assignor to Swingspout Measure Company, Los Angeles, Calif., a corporation of California

Application July 14, 1934, Serial No. 735,258

18 Claims. (Cl. 221—23)



14. A device for opening cans including a body comprising a spout, and a guide for engaging the side wall of a can, a cutter on the body adapted to cut a pouring opening in an end of the can, means on the guide for cutting an opening in the side wall during actuation of the cutter, and means associated with the cutter for closing the last mentioned opening until the cutter is removed from the can.

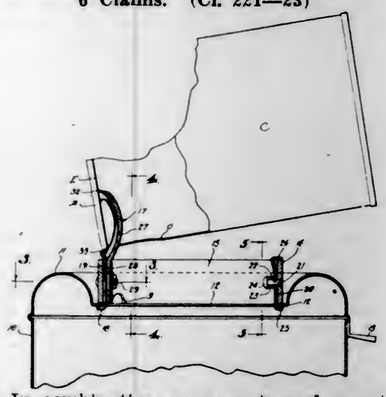
2,099,324

DEVICE FOR OPENING CANS

Ozro N. Wiswell, Los Angeles, Calif., assignor to Swingspout Measure Company, Los Angeles, Calif., a corporation of California

Application January 2, 1935, Serial No. 69

6 Claims. (Cl. 221—23)



1. In combination, an open topped receptacle having an inwardly projecting flange at its upper end, and a device for opening cans including a body to be arranged on the flange, a projecting cutter carried by the body, and means for attaching the body to the receptacle including a latch on the body for engaging under the flange.

2,099,325

PROCESS FOR THE MANUFACTURE OF REACTIVE THORIUM OXIDE AND ITS TRANSFORMATION INTO THORIUM SALTS

Rudolf Zellmann and Richard Müller, Radebeul, Germany, assignors to Chemische Fabrik von Heyden, A. G., Radebeul, near Dresden, Germany, a corporation of Germany

No Drawing. Application June 19, 1933, Serial No. 676,532. In Germany June 22, 1932

8 Claims. (Cl. 23—16)

1. Process for the manufacture of thorium oxide very capable of reaction and its transformation into thorium salts, which consists in heating thorium oxalate at temperatures below 500° C. and heating the thorium oxide obtained with acids until the salt is formed.

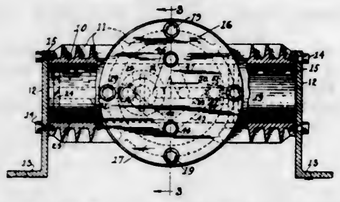
2,099,326

PUMP OR COMPRESSOR

Howard L. Bancroft, Sharpsville, Pa., and Horace S. Smith, Hubbard, Ohio

Application August 18, 1936, Serial No. 96,636

8 Claims. (Cl. 103—157)



1. In a device of the character described, a cylinder closed at one end, a piston movable in said cylinder with a compound oscillating and longitudinal motion, means for imparting said motion to the piston, said piston having a passage extending from the extremity thereof to a port in the side thereof, a valve piece formed to fit the side of the piston in the vicinity of its said port, said valve piece having an intake and an exhaust port adapted to register at proper times with the piston port as it moves in its curved path, and means for holding the valve piece against the piston to provide an effective seal.

2,099,327

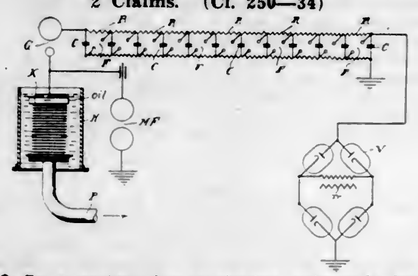
APPARATUS FOR PRODUCING EXTREMELY FAST CORPUSCULAR RAYS

Arno Brasch and Fritz Lange, Berlin, Germany

Application October 5, 1933, Serial No. 692,338

In Germany July 23, 1929

2 Claims. (Cl. 250—34)



2. In a system for producing extremely hard X-rays, an X-ray tube, several spark gaps, condensers and resistances, the spark gaps and condensers being alternately connected in series and each condenser and adjacent spark gap being

bridged by a resistance, means for charging said condensers connected to one end of the series and means for discharging said condensers connected to the other end of the series and to the tube, said latter means including a spark gap so dimensioned as to break down at voltage much higher than the charging voltage for the single condensers.

2,099,328

METHOD OF HARDENING SOIL

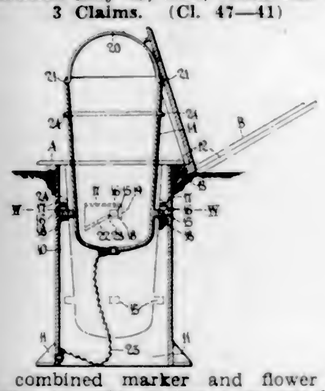
Leo Casagrande, Berlin-Charlottenburg, Germany
No Drawing. Application January 7, 1935, Serial No. 736. In Germany January 16, 1934
14 Claims. (Cl. 204—1)

1. A method of hardening soils containing colloidal clay that comprises introducing two electrodes into the soil and connecting the electrodes by a conductor, one of the electrodes containing aluminum, and the other electrode being more electropositive, and supplying an aluminum compound to the soil surrounding the aluminum electrode.

2,099,329

COMBINATION GRAVE MARKER AND FLOWER HOLDER

Millard Comstock and Herbert C. Schoepflin, Buffalo, N. Y., assignors to Ornamental Specialties, Inc., Buffalo, N. Y.
Application May 19, 1936, Serial No. 80,540
3 Claims. (Cl. 47—41)



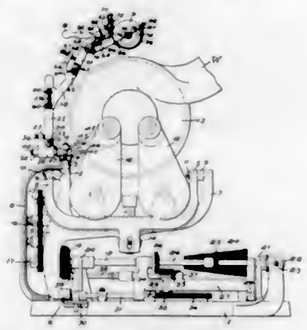
1. A combined marker and flower holder comprising an outer casing, a receptacle movable up and down therein and a cover member hinged to and adapted to close the top of the casing, means on the inner wall of the casing and means on the outer wall of the receptacle designed for lateral interengagement for supporting said receptacle in an elevated position, whereby said receptacle may be manually raised to its elevated position, with the means on the casing and the means on the receptacle in relative radial misalignment, and then rotated with respect to said casing to bring said means into engagement for supporting said receptacle.

2,099,330

FORMING APPARATUS FOR WOOL HAT AND OTHER TUBULAR FELT BODIES

George J. Corporon, Newburyport, Mass., assignor to Merrimac Hat Corporation, Amesbury, Mass., a corporation of Massachusetts
Application August 6, 1936, Serial No. 94,625
9 Claims. (Cl. 19—149)

1. In a felt-body forming apparatus for hat and like bodies, said apparatus including a rotatable former supported for horizontal swinging movement, in combination therewith, a rotary cutter having operative and inoperative positions relative to said former, means coaxial with the axis of swinging movement of said former for

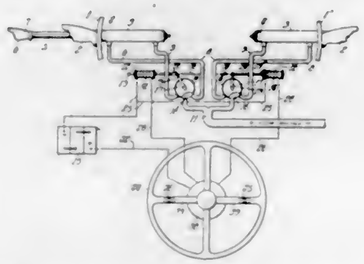


rotatably supporting the cutter to swing with said former, and means carried by said supporting means for rendering said cutter operative or inoperative at the will of the operator and indifferently during a swinging or non-swinging status of said former.

2,099,331

DIRECTION SIGNAL

Benjamin A. Crenshaw, deceased, late of Chicago, Ill., by Thomas C. Crenshaw, executor, Chicago, Ill., assignor, by mesne assignments, to Steve Kalisz, Chicago, Ill.
Application August 26, 1935, Serial No. 37,899
1 Claim. (Cl. 177—329)



The combination with the pneumatic-pressure causing means of an automobile, of a signal, a piston to project it, a cylinder for the piston, two pipes, one extending from each end of said cylinder, a valve whose throw in one direction connects one pipe to the area subject to pneumatic pressure and excludes the other and whose throw in the opposite direction connects the latter pipe and excludes the former, and the combination with the electricity producing means of the automobile, of an electric circuit having an opening and closing switch and a spring-opposed electromagnet combined with the combination, first stated above and characterizing it by the fact that it controls the valve of said combination so that when the said circuit is closed the electromagnet operates the valve to project the signal by pneumatic pressure and when the circuit is opened the spring reverses the position of the valve and causes pneumatic-pressure to retract the signal.

2,099,332

REVERSIBLE HANGER MOUNTING FOR PICTURES AND THE LIKE

Camillo Di Nuccio, Providence, R. I., assignor of one-half to John Bevilacqua, Providence, R. I.
Application March 7, 1936, Serial No. 67,657
3 Claims. (Cl. 248—28)

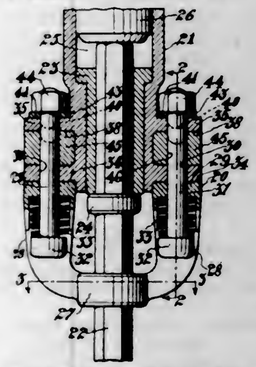


1. In a picture hanger device, a plate having a nail shank receiving opening, the lower portion of the plate having two resilient arms extending upwardly from the edge thereof with their adjacent edges angularly disposed with relation to each other to provide a guide passage for a nail shank, the edge of said opening opposite the guide passage being formed as a seat, the upper portions of said arms normally closing said shank receiving opening to a nail shank but being movable by pressure of a nail shank on said adjacent edges to permit movement of the nail shank past said upper portions and into said opening for positioning in said seat.

2,099,333

IMPLEMENT RETAINER

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application June 26, 1937, Serial No. 150,519
2 Claims. (Cl. 121—32)



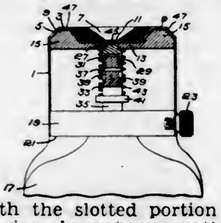
1. In an implement retainer for percussive tools, the combination of a casing and a working implement in the casing, a retainer for retaining the working implement in the casing, hollow trunnions on the casing having diametrically opposed elongated apertures therein, bolts for clamping the retainer against the trunnions and being swingable in the apertures, and means rotatable in the trunnions forming bearings for the bolts.

2,099,334

SHAVING DEVICE

John B. Gormley, Boston, Mass.
Application July 1, 1936, Serial No. 88,376
10 Claims. (Cl. 30—43)

1. A shaving device having, in combination, a skin contacting member formed to present a thin walled annular part having a face portion and an outer side wall inclined outwardly of said face portion, said face portion and wall provided with narrow closely spaced slots to form a comb and a plurality of hair shearing elements, and a movable member within said skin contacting member

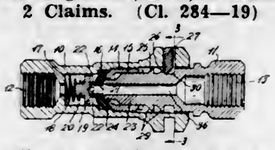


contacting with the slotted portion thereof to provide a shearing element cooperating with the first mentioned shearing elements.

2,099,335

HOSE COUPLING

Fred E. Hansen, Lakewood, Ohio
Application August 28, 1935, Serial No. 38,193
2 Claims. (Cl. 284—19)

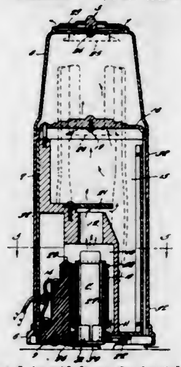


2. A coupling comprising two tubular members adapted to be arranged in telescoped relation, one of said members having an internal annular abutment, a gasket seated against said abutment and a threaded ring for securing said gasket in place, the other of said members having an end adapted to seat against said gasket when said members are in coupled relation, the second mentioned member having a plurality of beveled annular collars thereon forming abutments, and the first mentioned member having releasable spring-actuated detent means engageable with either of said abutments to retain said members in different coupled arrangements, said detent means being arranged to be automatically moved to the released position by said collars when said tubular members are forced together into telescopic relation.

2,099,336

COMBINED TOOTH BRUSH HOLDER AND STERILIZER

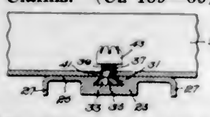
Fred E. Hart, Los Angeles, Calif.
Application September 30, 1936, Serial No. 103,466
1 Claim. (Cl. 21—85)



In a combined toothbrush holder and sterilizer comprising a base, a body portion secured to the

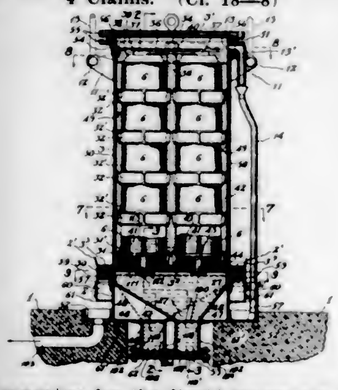
base, a fume chamber within the body portion, an electric heating element chamber within the fume chamber and communicating therewith, a deflector over the port between the aforesaid chambers, a cover over the fume chamber and having brush receiving apertures and fume exit ports therein, a top over the cover, a ventilator in the top, a tubular electric heating element in the heating element chamber, a block removably secured to the base in spaced relation thereto and removably supporting the heating element, said block having an aperture therein, a resilient cup removably disposed in the opening of the block, a cartridge removably seated in the cup and extending into the tubular heating element, means securing the tubular heating element to the block, means removably securing the cup within the opening of the block, and an electric circuit connected to the heating element.

2,099,337
BUILDING CONSTRUCTION
Russell L. Hohl, New York, N. Y.
Application March 5, 1936, Serial No. 67,248
10 Claims. (Cl. 189—85)



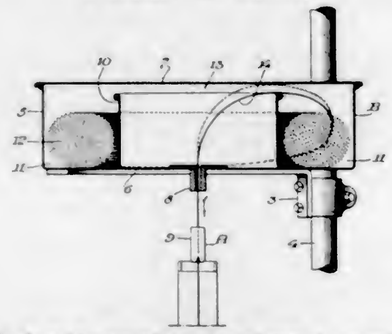
8. A supporting structure comprising a furring strip or the like of extruded metal shaped to provide a longitudinally extending groove adapted slidably to receive and retain the head of a fastener member, the lateral surface of which head is a surface of revolution, and slidably engaging cooperating means on said fastener member and strip to prevent turning of said member.

2,099,338
APPARATUS FOR THE LIQUID-TREATMENT OF FINE FILAMENTOUS THREAD
Charles A. Huttinger, Lakewood, Ohio, assignor to Acme Rayon Corporation, Cleveland, Ohio, a corporation of Ohio
Original application May 5, 1934, Serial No. 724,113. Divided and this application April 7, 1936, Serial No. 73,144
4 Claims. (Cl. 18—8)



1. Apparatus for the liquid-treatment of fine filamentous thread comprising a fixed working base, a treatment tank having ports, supported by the base and adapted for the support and housing of a plurality of thread packages, a liquid-distributing manifold mounted in the base and comprised of two series of alternate differentially inclined pairs of converging plates, wall members between adjacent pairs of plates forming two series of alternate chambers, some of the ports of the treatment tank communicating with one series of manifold chambers and the other ports of the treatment tank communicating with the other series of manifold chambers, said base being formed with ports opening into said two series of manifold chambers.

2,099,339
WIRE CONTAINER
Albert N. Joley, Springfield, Mass., assignor to The Diamond Match Company, Wilmington, Del., a corporation of Delaware
Application June 20, 1936, Serial No. 86,298
5 Claims. (Cl. 242—103)



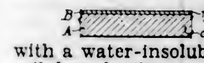
1. A wire container comprising a receptacle having a fixed bottom provided with a centrally disposed wire egress portion, an upstanding barrier member supported by said bottom and affording with the receptacle a chamber for the reception and retention of a ring of coiled wire, the upper edge of said member providing a circular support for the wire in its passage from the coil to and through the egress portion, said support being of relatively large diameter when compared with the diameter of the egress portion.

2,099,340
PROCESS OF ENAMELING
Karl Kautz, Massillon, Ohio, assignor to Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
No Drawing. Application June 28, 1934, Serial No. 732,895
2 Claims. (Cl. 91—73)

1. In the process of enameling ferrous sheet metal those steps comprising heating the metal in an oxidizing atmosphere to form a smooth, firm oxide scale thereon, heating the oxidized metal in a reducing atmosphere to remove the oxygen and provide a layer of carbon free iron on the base metal, thereafter working the metal to the desired texture and shape, and enameling directly to the prepared surface of the base metal whereby an improved bond results with an absence of reboiling.

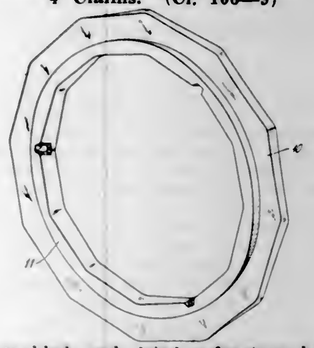
2,099,341
COLORED CELLULOSE ESTER SHEETING
William O. Kenyon and Russel H. Van Dyke, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application February 9, 1935, Serial No. 5,798
2 Claims. (Cl. 91—68)

1. A thin, flexible, substantially transparent cellulose ester wrapping material which is moisture-proof and capable of permanently retaining water-soluble adhesives which comprises a cellulose acetate base sheet coated on at least one surface



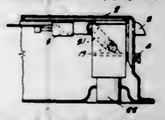
with a water-insoluble dicarboxylic acid ester of cellulose having a free carboxyl group in its molecule and a basic dye chemically united to the dicarboxylic acid ester.

2,099,342
REFRACTORY
Robert G. Lemmerman, Lakeline, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application June 29, 1934, Serial No. 733,087
4 Claims. (Cl. 106—9)



1. A molded and dried refractory having a water glass binder, said refractory comprising shale burned to provide porosity and an aggregate chemically inert to the water glass, said shale and aggregate constituting together from 90% to 99% by weight of the entire refractory.

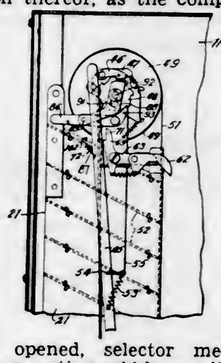
2,099,343
DOOR LOCK
Robert Buchanan McFarlane, Toronto, Ontario, Canada
Application August 14, 1936, Serial No. 95,977
13 Claims. (Cl. 70—147)



1. In a door lock, a slidable bolt, a bolt retracting element movable inwardly from the face of the door to retract the bolt, and resilient door opening means supported by the door jamb and against which the bolt retracting element presses when moved inwardly to retract the bolt.

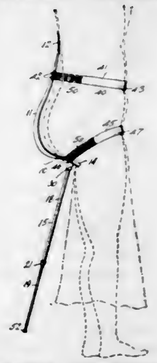
2,099,344
SELECTIVE VENDING MACHINE
Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application July 15, 1933, Serial No. 680,611
7 Claims. (Cl. 312—95)

1. A selective vending machine comprising a plurality of tiers of open front compartments, a curtain for each tier adapted in its initial position to close all of the compartments thereof, an operating lever, means operable by said lever for moving a selected one of said curtains to open one of the compartments of a selected tier upon each actuation of the machine, said means including a device for winding up said curtain, or an extension thereof, as the compartments are



successively opened, selector mechanism for operatively connecting said lever with the curtain operating means for any selected curtain, and means for causing unwinding of the curtain to close the compartments for reloading.

2,099,345
BODY SUPPORT OR STOOL
Peter A. Olszanowski, Buffalo, N. Y.
Application January 6, 1937, Serial No. 119,244
3 Claims. (Cl. 155—37)

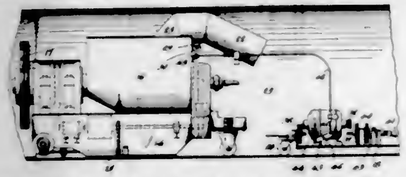


1. A body support comprising a seat member, a back rest rising from the rear of the seat member, leg engaging strap means extending from the seat member, waist engaging strap means extending from the back rest, a supporting post depending from the seat member and which, when the body support is in use, approximates a vertical position, and said strap means being at least in part of resilient construction, so as to yield to enable said seat and back members to assume a different position when not in use and in which position said post will continue to extend downwardly well beneath the seat member.

2,099,346
FEED APPARATUS FOR PIPE COATING MACHINES AND THE LIKE
Albert G. Perkins, Warsaw, N. Y.
Application July 10, 1935, Serial No. 30,751
13 Claims. (Cl. 91—44)

1. In a machine for lining pipe walls having a carriage adapted to travel through the pipe,

means applied thereto for receiving a supply of coating material, and a revolving dispensing head communicating with said receiving means for projecting the material onto the pipe wall, and a feed device for delivering the material to the machine comprising a carriage adapted to travel



through the pipe in tandem relation to the machine, means for propelling said last-named carriage, and control means for said propelling means disposed in contacting relation with the machine-carriage for causing said last-named carriage to travel at the same speed as the machine-carriage.

2,099,347

RECOVERY OF CELLULOSE ESTERS FROM SCRAP

Marvin J. Reid, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 10, 1937, Serial No. 125,116

8 Claims. (Cl. 260—102)

1. A method for recovering photographic film having a base of a lower organic acid ester of cellulose which comprises washing the film scrap with warm water, then leaching it with a mixture of a lower aliphatic alcohol and acetone, in proportions which will swell the cellulose ester, at a temperature of 68°–110° F. under conditions whereby the scrap is not greatly softened and then washing the scrap to remove the leaching solution therefrom.

2,099,348

PROCESS FOR RECLAIMING FILM SCRAPS

Marvin J. Reid, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 10, 1937, Serial No. 125,117

8 Claims. (Cl. 260—102)

1. A method of recovering an organic acid ester of cellulose from photographic film scrap containing it which comprises removing the gelatin emulsion therefrom, treating the scrap with a very dilute aqueous caustic solution at an elevated temperature, washing the caustic therefrom, drying, dissolving the material to form a thin solution in a solvent therefor and then clarifying the solution to remove the insoluble particles therefrom.

2,099,349

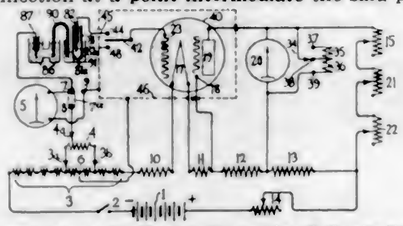
VACUUM TUBE POTENTIOMETER

Fred Rosebury, New York, N. Y., assignor to University Patents, Inc., New York, N. Y., a corporation of New York

Application October 3, 1934, Serial No. 746,678

7 Claims. (Cl. 175—183)

1. A vacuum tube potentiometer for measuring small voltages, comprising in combination an electron-discharge device having a filament, a control grid, and a plate electrode, a single battery for supplying a heating current to said filament, a plurality of resistances connected in series with said filament, connections from said resistances to the grid and plate for impressing respectively negative and positive voltages thereon with respect to the filament, a switch for impressing an unknown voltage on said control grid, an indicating instrument associated with the plate circuit of said electron-discharge device, a pair of resistances across which the indicating instrument is connected, there being a connection at a point intermediate the said pair



of resistances to the positive side of the battery, the said pair of resistances constituting two arms of a Wheatstone bridge of which another arm is constituted by the positive voltage-producing resistance and the filament and a final arm being constituted by the plate resistance of the electron-discharge device, together with an adjustable voltage divider, including resistances in series with the battery and the said plurality of resistances, the voltages set up thereby being adapted to be impressed upon the control grid.

2,099,350

PYROLYSIS OF HYDROCARBONS

Wesley C. Stoesser, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 17, 1935, Serial No. 22,105

5 Claims. (Cl. 260—170)

1. In a method of pyrolyzing hydrocarbons in apparatus constructed of iron or steel, the improvement which consists in preventing or reducing the formation of carbon by passing the hydrocarbon vapors at a pyrolyzing temperature through such apparatus of iron or carbon steel, the walls of which exposed to contact with the vapors have been previously subjected to the action of ammonia at a nitridizing temperature for a time sufficient to form a nitride coating thereon.

2,099,351

BITUMINOUS EMULSION

Preston R. Smith, Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application January 27, 1934, Serial No. 708,699

6 Claims. (Cl. 134—1)

1. A stable, aqueous clay emulsion of bitumen of the oil-in-water type including bitumen dispersed in water through the medium of clay, the clay being present in amount such that a dried, substantially hard film formed with the emulsion will readily re-emulsify in the presence of water, and a salt of a metal of the second series of the second periodic group dispersed in the water-continuous-phase of the emulsion, said salt being present in amount such that the tendency of a dried film formed with the emulsion to re-emulsify will be negatived and such that such film will be substantially resistant to water.

2,099,352

BITUMINOUS EMULSION

Preston R. Smith, Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application January 27, 1934, Serial No. 708,700

13 Claims. (Cl. 134—1)

1. An aqueous clay emulsion of bitumen of the oil-in-water type containing a copper salt of a monobasic acid in amount capable of rendering dry films formed from the emulsion substantially resistant to water.

2,099,353

BITUMINOUS EMULSION

Preston R. Smith, Rahway, N. J., assignor, by mesne assignments, to The Barber Company, Inc., Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application January 27, 1934, Serial No. 708,701

15 Claims. (Cl. 134—1)

1. An aqueous clay emulsion of bitumen of the oil-in-water type containing a lead salt in amount capable of rendering dry films formed from the emulsion substantially resistant to water.

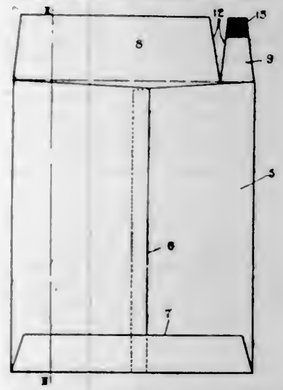
2,099,354

ENVELOPE

Burt J. Steele, Columbus, Ohio

Application November 21, 1936, Serial No. 112,090

3 Claims. (Cl. 229—76)



1. An envelope for the mailing of matter subject to official inspection, said envelope having an opening throughout one of its edges, a relatively narrow flap connected with a wall of said envelope at one end of the said opening, said narrow flap having an adhesive thereon for securing it to the opposite wall of the envelope to restrain accidental escape of its contents, and a supplemental flap connected with a wall of the envelope at said opening, said supplemental flap being laterally disposed in respect to said narrow flap and in operative relation to the other end of said opening, said supplemental flap being freely adapted for insertion into and removal from said envelope, whereby mailable matter substantially filling said envelope is primarily and, before the adhesion of said narrow flap, easily and quickly insertible into said envelope without flexion and easily removable from said envelope by flexion for official inspection.

2,099,355

TOOL FOR CLEANING FURNACE-GRATES

Karl Herman Teorell, Stockholm, Sweden

Application April 2, 1936, Serial No. 72,421

In Sweden October 24, 1935

2 Claims. (Cl. 294—14)



1. A tool for cleaning furnace grates, especially in magazine furnaces, consisting of a rod-like blade of segment shaped cross-section provided with straight, lengthwise extending edges, a pointed front end to facilitate the introduction of the tool and, at the back end, a straight pushing handle and a crank rocking handle for causing the tool to oscillate about the longitudinal axis of the pushing handle so that the said edges can be alternately raised and lowered when the tool has been pushed along the grate by the pushing handle.

2,099,356

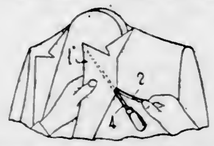
REINFORCING INSERT FOR LAPELS ON COATS

Karl von Daeniken, Lucerne, Switzerland

Application April 13, 1936, Serial No. 74,179

In Switzerland May 8, 1935

3 Claims. (Cl. 2—93)



1. A reinforcement insert for lapel-peaks of coats consisting of a body portion formed from relatively thin metal and having opposed flat surfaces and a rounded end portion, and a hook adjacent said round end portion offset from the planes of said flat surfaces and having the point directed toward the opposite end of said body portion.

2,099,357

HALIDE ESTERS OF POLYUNSATURATED ALCOHOLS AND PROCESS OF PREPARING SAME

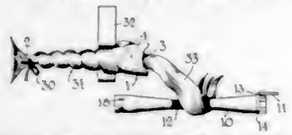
James H. Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 22, 1936, Serial No. 92,017

11 Claims. (Cl. 260—162)

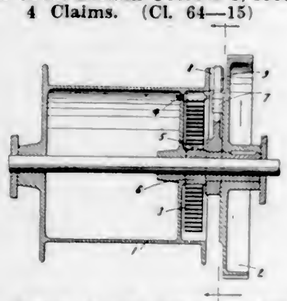
7. An octadecadienyl halide.

2,099,358
APPARATUS FOR WAVING HAIR
Frederick Witschi, Yonkers, N. Y.
Application April 14, 1933, Serial No. 666,188
11 Claims. (Cl. 132—33)



1. In hair-waving apparatus, a curler of tapering cross-section from end to end, the larger end of said curler being provided with a slot adapted to receive a strand coiled upon said curler and direct the same axially of said curler.

2,099,359
MEANS FOR DRIVING ROTARY MEMBERS
William Armstrong Woodeson and Walter Midgley, Gateshead-on-Tyne, England, assignors to William Armstrong Woodeson, Gateshead-on-Tyne, England
Application February 27, 1936, Serial No. 66,127
In Great Britain October 8, 1935
4 Claims. (Cl. 64—15)

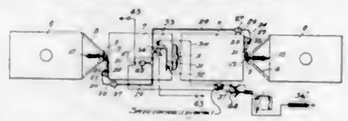


1. In a device of the character described, a supporting shaft, a drum and a sleeve freely rotatable on said shaft independent of one another, a drive member for rotating said sleeve, a coiled spring concentrically disposed in respect to said shaft and said sleeve adjacent the drum, one end of said spring being connected to said drum and the other end to said sleeve to provide a resilient drive connection between the sleeve and the drum, laterally extending claws oppositely carried by said drum and said drive member and disposed to travel in paths clear of one another within a common plane, and a swing arm mounted to rotate freely on said sleeve within said plane in the path of travel of said claws and adapted to be engaged thereby so as to provide a positive drive connection therethrough between the drive member and the drum after the drive member has been rotated with respect to the drum a predetermined extent greater than one full revolution.

2,099,360
PROCESS OF PRODUCING PURE ALUMINA AND CRUDE POTASSIUM SULPHATE FROM ALUNITE
Sadao Yonemura, Koishikawa-ku, Tokyo, Tsuruji Okazawa, Shibuya-ku, Tokyo, and Kota Osada, Sakai, Edogawa-ku, Tokyo, Japan, assignors to Nihon Denki Kogyo Kabushiki Kaisha, Tokyo, Japan
No Drawing. Application May 24, 1935, Serial No. 23,334. In Japan March 6, 1934
3 Claims. (Cl. 23—141)

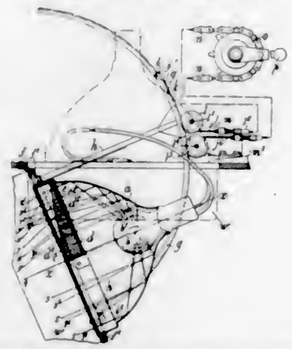
1. A process for producing substantially pure alumina and crude potassium sulphate from alunite which consists in pulverizing the alunite, adding thereto a 20% to 50% solution of caustic potash, the quantity of potash being sufficient to form potassium sulphate with the sulphur trioxide combined with the alumina in the alunite plus a quantity equal to 1 to 1.5 times the quantity of alumina, heating the solution to 100° C. to 180° C. while agitating same until the sulphur trioxide and alumina are converted respectively into potassium sulphate and potassium aluminate, cooling the solution to precipitate the potassium sulphate, filtering off the precipitated potassium sulphate together with the insoluble silicic acid and other insoluble residues, adding to the filtrate a quantity of water equal to the quantity of filtrate and in addition seed crystals of aluminum hydroxide, agitating the solution to precipitate aluminum hydroxide, filtering off the precipitate and finally calcining the aluminum hydroxide to produce alumina.

2,099,361
CENTERING DEVICE FOR SWIVEL TRUCKS
William S. H. Hamilton, Larchmont, and Frederic W. Butt, Woodside, Long Island, N. Y., assignors to The New York Central Railroad Company, a corporation of New York
Application May 14, 1936, Serial No. 79,796
24 Claims. (Cl. 105—175)



1. A locomotive having a swivel truck, a centering device controlling the swiveling movements of the truck with respect to the locomotive frame, and automatic means, governed by the speed of the locomotive, for regulating the resistance of the centering device to the swiveling movements of the truck to obtain relatively high and low resistances at locomotive speeds above and below a predetermined locomotive speed.

2,099,362
AIRCRAFT LAMP
Maldon Cavendish Harley, Cranford, England
Application December 12, 1934, Serial No. 757,226
In Great Britain December 14, 1933
1 Claim. (Cl. 240—7.7)

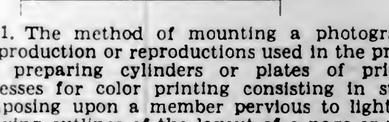


A retractable lamp mounting for use on airplanes with wings, comprising an annular flap hingedly mounted on the under side of the wing, a lamp secured to said flap, the front of the lamp being substantially flush with the plane of the annular flap, a quadrantal member extending rearwardly of the lamp and secured at one end to the flap at a point removed from said hinge mounting, operating means cooperating with said quadrantal member for pivotally and reciprocally retracting and lowering the flap, said wing being provided on its under side with an opening for receiving the lamp when in its retracted position, and said operating means comprise a flexible cable secured to the ends of the quadrantal member, a pair of pulley wheels secured to and within the wing, between which the cable passes substantially forming a loop, means associated with the loop for operating the cable whereby the quadrantal member and lamp may be reciprocally retracted and lowered.

2,099,363
TEXTILE
Winfield W. Heckert, Arden, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 3, 1936, Serial No. 94,116
12 Claims. (Cl. 91—70)

1. Process of finishing rayon which comprises impregnating rayon yarn with an emulsion of 10 parts of stearic anhydride in 90 parts of a 2% solution of deacetylated chitin in dilute aqueous acetic acid, drying, and heating for three minutes at 105° C.

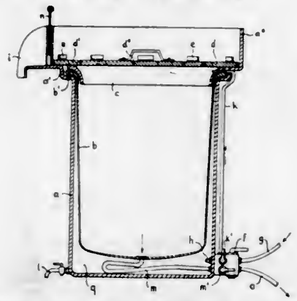
2,099,364
METHOD AND MEANS FOR REGISTERING PHOTOGRAPHIC REPRODUCTIONS USED IN PROCESS OF COLOR PRINTING
Edward Hunter, Springfield, Ohio
Application February 21, 1936, Serial No. 65,106
7 Claims. (Cl. 33—184.5)



1. The method of mounting a photographic reproduction or reproductions used in the process of preparing cylinders or plates of printing presses for color printing consisting in superimposing upon a member pervious to light and having outlines of the layout of a page or pages to be printed, a backing sheet of a character to expose the outlines of the layout member and temporarily maintaining the same in temporary fixed predetermined relation therewith, affixing to said backing a photographic reproduction or reproductions representing a given color in registry with the outlines of the layout member, and then superimposing on said backing another backing in the same temporary predetermined fixed relation with said layout member as said first backing and of a character to expose the reproduction or reproductions on said first backing, and then affixing to said second backing a photographic reproduction or reproductions representing another color in exact registry with the reproduction or reproductions on said first backing.

6. Means of mounting photographic films or plates used in the process of preparing cylinders or plates of printing presses for color printing consisting of a layout plate pervious to light and having layout outlines thereon, properly positioned pins on said layout plate, a backing sheet for photographic reproduction or reproductions apertured to receive said pins and hold said backing in temporary fixed relation with said layout plate whereby photographic reproduction or reproductions may be secured to said backing sheet in registry with the layout outlines, and another backing sheet apertured to receive said pins adapted to be placed upon said first backing sheet in temporary fixed relation therewith whereby a photographic reproduction or reproductions may be secured upon said second backing sheet in registry with the photographic reproduction or reproductions on said first backing sheet.

2,099,365
LINEN WRINGING MACHINE
Käthe Kemper, Halver, Germany, assignor to Friedrich Emil Krauss, Schwarzenberg, Saxony, Germany
Application August 20, 1930, Serial No. 476,649
In Germany October 11, 1929
8 Claims. (Cl. 68—37)

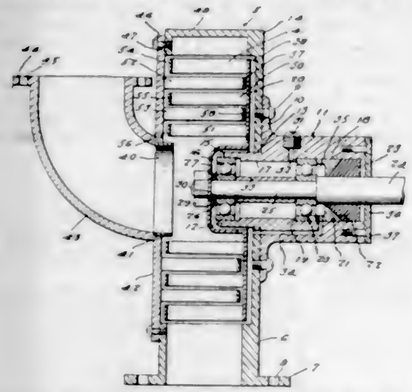


1. A linen wringing machine comprising in combination a deep independent portable casing open at its upper end, a perforated substantially flat cover for the upper end of said casing, securing means on the casing adapted to engage the cover for releasably securing the cover to the casing, a bag for receiving the linen pieces to be wrung and suspended inside the casing with its margin adjacent the upper end of the casing and contacting the wall thereof, said casing having an inlet adapted to be connected to a pressure water supply conduit for admitting water under pressure to the interior of the casing between the bag and the casing for squeezing the bag to express fluid therefrom, said casing having an outlet through the upper part of its wall leading from the interior of the casing above the perforated cover to discharge the expressed fluid and a draining outlet for enabling water admitted to the interior of the casing between the casing and the bag to be removed from the casing.

2,099,366
SUPERCHARGER
Charles A. Kutcher, Sheridan, Wyo.
Application February 12, 1937, Serial No. 125,513
2 Claims. (Cl. 230—131)

1. In a supercharger of the character described, a casing having a substantially tangential discharge, a tubular bearing support mounted eccentrically on one side of the casing and having a portion extending into the casing, a shaft having an end located in the support, the said shaft terminating slightly beyond the inner end of the support, bearings in the support and engaging parts of said end of the shaft, an inlet member connected with the other side of the casing and having its discharge end or mouth in axial alignment with the inner end of the support, stationary

circular series of blades on the last-mentioned side of the casing, a rotor having an inwardly extending hub fitting over the inner end of the



support and connected with the terminal of the shaft, movable circular series of blades carried by the rotor and in effective relation to said stationary series of blades.

2,099,367

METHOD OF COMPOUNDING CERAMIC PRODUCTS

Jacques Gustave Adolphe Lefranc, Paris, France

No Drawing. Application February 4, 1935, Serial No. 4,992. In France February 6, 1934

6 Claims. (Cl. 106—9)

1. A method for the manufacture of ceramic materials which consists in preparing a binder by treating a calcic phosphate containing several calcic molecules by an acid, so as to bring back said phosphate to the state of an inferior calcic phosphate, the quantity of acid being such that there will be no excess of free acid and mixing said binder with a nonplastic material.

2,099,368

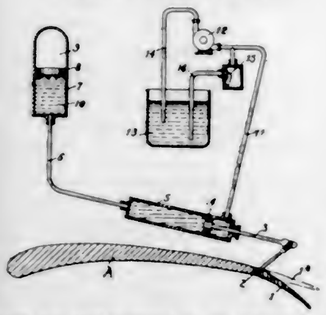
DEVICE FOR THE AUTOMATIC CONTROL OF CAMBER FLAPS AND THE LIKE FOR AIRPLANES

René Lucien Levy, Montrouge, France, assignor to Société d'Inventions Aeronautiques et Mecaniques S. I. A. M., Fribourg, (Suisse)

Application February 13, 1936, Serial No. 63,805

In France April 5, 1935

1 Claim. (Cl. 244—42)



A device for the control of an airplane camber flap, or the like, comprising: a hydraulic cylinder, a piston movable in said cylinder, a hydro-pneumatic accumulator, a pipe line connecting this cylinder with said tank on one side of said piston, a liquid tank connected to said cylinder on the other side of the piston, a valve interposed in the pipe line connecting the cylinder to the tank, a source of hydraulic pressure allowing to move said piston in the direction corresponding to the increase of the pressure in said accumulator, and means for connecting said piston to the camber flap for actuating the latter in one direction and in the other.

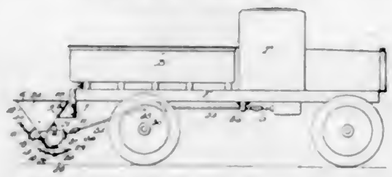
2,099,369

LIME SPREADER

Wilmer A. Lutz, Bucyrus, Ohio

Application June 26, 1936, Serial No. 87,563

3 Claims. (Cl. 275—8)



1. In combination with a motor truck having a chassis frame and a dump body over said frame; a horizontally elongated hopper disposed transversely behind said frame in position to receive material discharged from said dump body, angle bars secured to the rear end of said frame and having rearwardly projecting flanges disposed in parallel vertical planes, forwardly projecting angle plates secured to the front side of said hopper in parallel vertical planes and overlapping said flanges, bolts securing said angle plates to said flanges, means for spreading the material discharged from said hopper, and driving means operatively connecting said spreading means with a driven part of the truck.

2,099,370

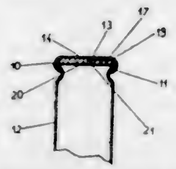
PHIAL

Vital Monnier, Lausanne, Switzerland

Application August 26, 1936, Serial No. 98,100

In Switzerland September 7, 1935

2 Claims. (Cl. 215—37)



1. Phial for containing medicinal preparations comprising a metallic non-perforated capsule, said capsule comprising at least one thin part intended to be pierced by the point of the needle of a syringe without damaging the needle, the said capsule covering a member of elastic material provided with at least two orifices, one of which is located opposite the thin part of the capsule and permits the penetration of the nozzle of a hypodermic syringe for aspirating the contents of the phial, the other orifice preventing the formation of a vacuum in the phial and being provided with a sterilized filter, the said member of elastic material being placed on at least one metallic sheet closing the opening of the phial.

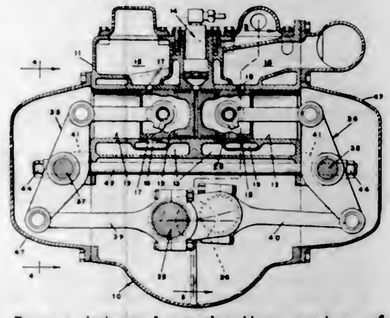
2,099,371

DIESEL ENGINE

Ransom E. Olds, Lansing, Mich., assignor to Hill-Diesel Engine Company, Lansing, Mich., a corporation of Michigan

Application August 27, 1934, Serial No. 741,701

2 Claims. (Cl. 123—51)



1. In an internal combustion engine of the Diesel type, a block having a pair of parallel cylinders extending therethrough and open at their opposite ends, each of said cylinders having a central fuel injection port and air intake and exhaust ports symmetrically arranged on opposite sides thereof, a crank shaft having its axis extending transverse to the axes of the cylinders at one side and centrally thereof, said crank shaft having oppositely arranged throws slightly displaced from an angle of 180°, opposed pistons in said cylinders cooperating with each other in the inmost position thereof to form a combustion chamber, walking beams arranged at opposite ends of the block, one end of each being connected with a piston, rods connecting the opposite ends of said walking beams with said crank throws, shafts on which said walking beams are fulcrumed and tie rods connecting said shafts and extending therethrough, said tie rods being arranged on opposite sides of said walking beams.

2,099,372

MEANS AND METHOD OF DETERMINING THE INCLINATION OF WELL HOLES

Carl A. Reinhard, Los Angeles, Calif.

Application August 28, 1929, Serial No. 388,944

20 Claims. (Cl. 33—205.6)



1. A device of the class described comprising an elongated body adapted to be dropped or lowered into a well, said body having rigid ends, means forming a flexible connection between the ends enabling one end to move laterally with respect to the other, and means associated with the body for indicating its inclination when the body comes to rest near the bottom of the well, said flexible connection also providing a resilient cushion between the ends of the body.

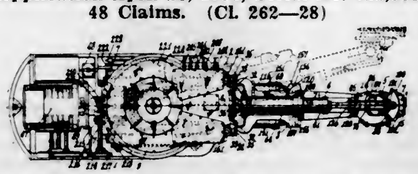
2,099,373

MINING APPARATUS

Dwight R. Richards, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application April 26, 1934, Serial No. 722,568

48 Claims. (Cl. 262—28)



1. In a mining apparatus, a portable base, an arm structure pivotally mounted on said base to swing in a vertical direction relative thereto, a cutter support swingably mounted on the outer extremity of said arm structure, a kerf cutter pivotally mounted on said cutter support to swing relative thereto, a motor on said base relative to which said arm structure is swingable, devices driven by said motor for actuating said kerf cutter including a transmission shaft extending longitudinally of said arm structure, and devices driven by said shaft for swinging said cutter support relative to said arm structure including a screw and nut mechanism parallel with said shaft.

2,099,374

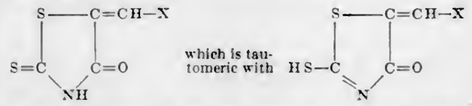
PHOTOGRAPHIC DEVELOPER AND A PROCESS OF PHOTOGRAPHIC DEVELOPING

Georg Schwarz, Anvers, Belgium, assignor to Gevaert Photo-Production N. V., Oude God, near Anvers, Belgium

No Drawing. Application April 5, 1935, Serial No. 14,920. In Austria April 7, 1934

6 Claims. (Cl. 95—88)

1. The mixture of a photographic silver halide developer with a compound corresponding to the formula



wherein =CH—X is the residue of a non-basic cyclic aldehyde, resulting from the condensation of such aldehyde with 2-thio-4-keto-thiazolidine.

2,099,375

ANTIVIBRATION SUPPORT FOR INSTRUMENTS

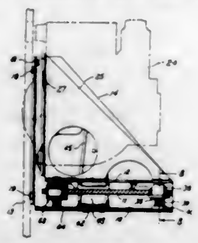
Clarence Lee Seward, Jr., Washington, D. C., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 7, 1935, Serial No. 20,237

6 Claims. (Cl. 248—358)

4. An anti-vibration support comprising three substantially horizontal supporting members disposed one above the other in parallel planes, one of said members being provided with means for securing thereto a device which is to be prevented

from vibrating and another one of said members being provided with means for securing it to a fixed support susceptible to vibration, the third member being interposed between said first two members, vertically yielding means between one of said first two members and the third member



for absorbing vibrations in a vertical direction, and horizontally yielding means between the other of said first two members and the third member for absorbing vibrations in a horizontal direction and slidable means cooperating with said horizontally yielding means for facilitating relative horizontal movement.

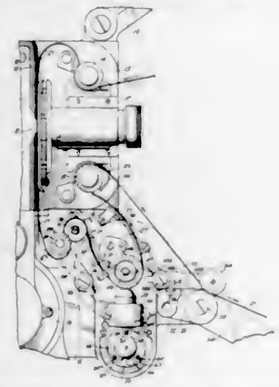
2,099,376

MOTION PICTURE AND SOUND REPRODUCING MACHINE

Abraham Shapiro, Chicago, Ill., assignor to Universal Stamping & Mfg. Co., Chicago, Ill., a corporation of Illinois

Application June 26, 1936, Serial No. 87,438

6 Claims. (Cl. 179—100.3)



1. In a sound mechanism for use with moving picture films having a sound track, the combination of a mounting plate formed with a transverse opening, an insulating sleeve mounted in said opening, a tube mounted in said sleeve having a portion thereof projecting beyond one end of said sleeve and formed with a narrow slot, a photoelectric cell housed in and supported by said tube, a portion of said cell lying opposite said slot, a hollow rotatable drum formed with an open end encircling with slight clearance only the projecting portion of said tube beyond said slot, said film passing over and driving said drum, and an exciter lamp and lens mounted on said mounting plate laterally opposite said tube in a position to project a straight light beam directly across the sound track on the film through said slot and onto said cell.

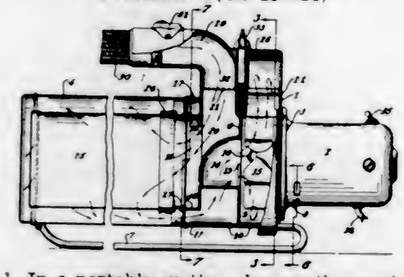
2,099,377

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 24, 1934, Serial No. 727,211

8 Claims. (Cl. 15—14)



1. In a portable suction cleaner, the combination of a fan chamber having an inlet and an outlet, a fan in said fan chamber, a motor for driving said fan, a dust bag, a sealed container enclosing said dust bag and having an intake passageway connected with the interior of said bag and an opening directly to the inlet to said fan chamber, a sound-deadening air passageway open at one end to the atmosphere and adapted to have its opposite end connected to said intake to or said outlet from said fan chamber, and valve means having a dusting tool connection and adapted to be positioned to connect said hose connection with said outlet or said inlet.

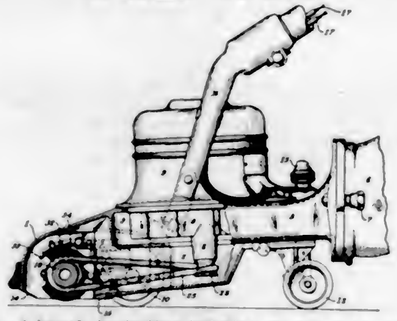
2,099,378

SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application November 28, 1934, Serial No. 755,095

28 Claims. (Cl. 15—8)



1. A brush including bristles, means supporting said brush for movement toward and from a surface, means to move said brush toward said surface, and means responsive to the change in length of said bristles to operate said last mentioned means.

2,099,379

METHOD OF MANUFACTURING CASEIN

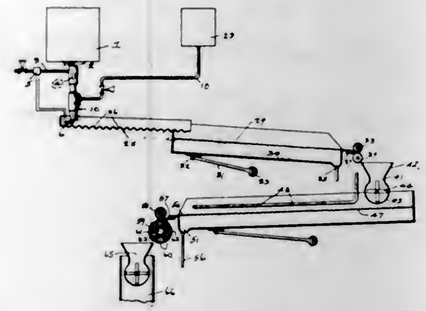
John Robert Spellacy, Millbrae, Calif., assignor, by mesne assignments, to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application September 19, 1934, Serial No. 744,680

13 Claims. (Cl. 134—12)

1. A continuous process of manufacturing casein comprising; precipitating curd from milk by

adding to the latter a dilute acid; firming the precipitated curd into non-granular natural pieces in the resultant liquids; separating the firmed curd from said liquids; immediately thereafter squeezing the firmed curd in a con-



tinuously moving stream; milling the curd into small pieces; and washing and drying the curd; the squeezing step acting to prevent the disintegration of the curd into fine particles by the subsequent milling and washing steps.

2,099,380

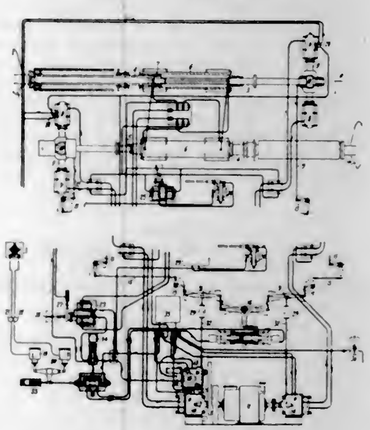
ANTIROLLING APPARATUS FOR SHIPS

William Wallace, Edinburgh, Scotland, assignor of one-half to Brown Brothers & Company Limited, Edinburgh, Scotland, a corporation of Great Britain, and one-half to William Denny & Brothers Limited, Dumbarton, Scotland, a corporation of Great Britain

Application December 22, 1936, Serial No. 117,205

In Great Britain May 21, 1936

12 Claims. (Cl. 114—122)



1. Anti-rolling apparatus for ships comprising at least two fins on opposite sides of the ship, an axially movable shaft carrying each fin, an oscillatory shaft in splined relation with each axially movable shaft, at least one hydraulic motor for effecting oscillatory movements of said oscillatory shafts, means for effecting endwise movements of said axially movable shafts, and control gear ensuring synchronization of said oscillatory movements.

2,099,381

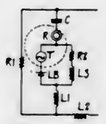
TELEPHONE INSTRUMENT CIRCUIT

Edmund Ramsay Wigan, London, England, assignor to Siemens Brothers & Company Limited, London, England

Application January 11, 1935, Serial No. 1,318

In Great Britain January 31, 1934

1 Claim. (Cl. 179—81)



In a telephone instrument, a transmitter, a receiver, two impedances, an induction coil having three windings, a local battery and a line, a closed local circuit including one winding of said induction coil, one impedance, a transmitter and said battery, another winding of said induction coil connected in series with said line so that all line current passes therethrough, a bridge across said line including said receiver connected in series with said closed circuit, another bridge across said line in parallel with said first bridge including said other impedance, said third winding connected in series with one of said parallel bridges and a condenser connected in series with and included in said first bridge.

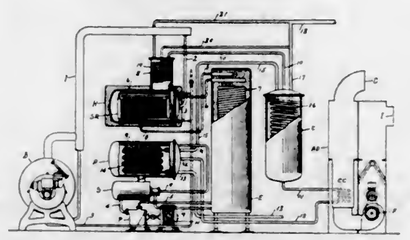
2,099,382

REFRIGERATING APPARATUS

Glenn F. Zellhoefer, Bloomington, Ill.

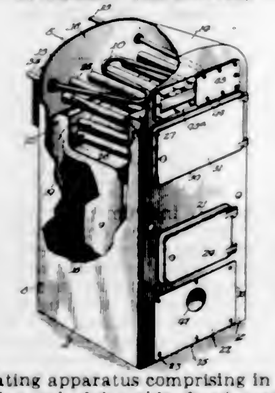
Application August 22, 1935, Serial No. 37,307

1 Claim. (Cl. 62—119)



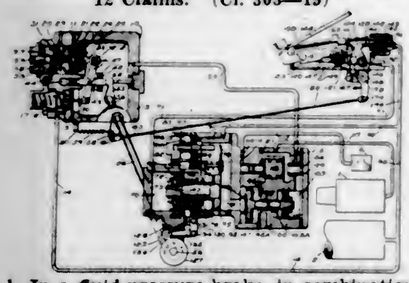
In a two fluid absorption refrigerating apparatus including a still, an absorber, a heat exchanger interposed between the still and absorber, a rectifier in direct communication with the still, a cooling coil, and a condenser interposed between the rectifier and said coil, wherein the solvent is circulated from the still through the heat exchanger into the absorber where it picks up the refrigerant, carries it in solution through the heat exchanger into the still where the refrigerant is boiled off, and passes through the rectifier into the condenser and then into the cooling coil and back to the absorber, a system for circulating cooling water from a common source through coils in the absorber, condenser and rectifier, wherein the flow is controlled to successively raise the temperature of the water at each step to condense the refrigerant in the condenser at the proper pressure and to condense such of the solvent vapors as may pass over from the still into the rectifier without condensing the refrigerant passing therethrough.

2,099,383
HEATING APPARATUS
William Anderson, Williamsport, Pa., assignor to Lycoming Manufacturing Company, Williamsport, Pa., a corporation of Pennsylvania
Application May 1, 1937, Serial No. 140,141
10 Claims. (Cl. 122—32)



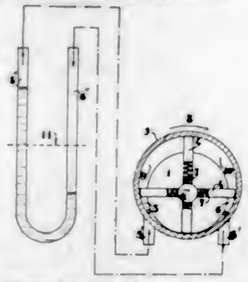
1. A heating apparatus comprising in combination a boiler embodying side, front, rear and top walls and having a combustion chamber in the bottom thereof and a combined water and steam chamber in its upper portion and also having an opening in the upper part of the front wall communicating with the last mentioned chamber and a removable plate for closing said opening, a domestic hot water coil in the combined water and steam chamber insertable into place through said opening and having the ends thereof leading through a boiler wall other than the front wall and connected to such wall by detachable connections so that upon detachment thereof the coil may be removed through said opening for cleaning or replacement purposes, a burner in front of the boiler for firing the latter, and a jacket surrounding the boiler and burner and having door means at its front adapted upon opening thereof to expose the plate.

2,099,384
FLUID PRESSURE BRAKE
Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 29, 1935, Serial No. 24,037
12 Claims. (Cl. 303—19)



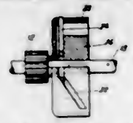
1. In a fluid pressure brake, in combination, a brake valve device operable to supply fluid under pressure to a brake cylinder to effect an application of the brakes, manually operated means for operating said brake valve device, fluid pressure responsive means for supplying fluid under pressure to the brake cylinder, and means subject to and operated by the fluid under pressure supplied to the brake cylinder by the brake valve device on a partial application of the brakes for cutting off the communication through which the last named means supplies fluid to the brake cylinder.

2,099,385
PNEUMATIC TACHOMETER WORKING INDEPENDENTLY OF THE EXTERNAL PRESSURE
Ugo Ciamberlini, Rome, Italy
Application June 17, 1936, Serial No. 85,810
In Italy October 5, 1935
2 Claims. (Cl. 264—14)



1. In a tachometer of the pressure difference type, comprising a pump adapted to be driven by the shaft whereof the number of revolutions is to be ascertained, and a casing interiorly provided with two spaced partitions dividing the casing into three chambers and said pump being completely isolated from effects of the outside atmosphere by means of an elastic tight coupling in one chamber provided with an oblique transmission rod, the combination, with ends of two shafts for said coupling, of connecting means connecting the ends of said oblique transmission rod to the ends of said two shafts including two discs fixed upon said ends of the shafts, a spherical articulated bearing means providing for oscillation of said oblique rod mounted adjacent to the one interior partition of said one chamber, and means providing an air tight closure about said oblique rod and the spherical articulated bearing means including a boss upon said rod and a conical rubber hood having the smaller end clamped against said boss and the larger end secured to said one interior partition.

2,099,386
MOTOR STARTING DEVICE
Pierre Cibié, Paris, France
Application June 12, 1935, Serial No. 26,196
In France June 19, 1934
1 Claim. (Cl. 74—9)



A motor starting device which comprises: a shaft driven by the starting engine, a plate integral with said shaft, a driving pinion loosely mounted upon said shaft and integral with a second plate, a spring rod fixed at one end to the plate of the shaft of the starting engine and an inclined surface having a straight portion and an inclined portion provided in said second plate integral with the driving pinion and in which the opposite end of the spring rod slides.

2,099,387
COMBINED CENTER-BAR BUCKLE AND BELT-CONNECTER
Samuel H. Cohn and Samuel Levin, New York, N. Y.
Application November 28, 1936, Serial No. 113,104
4 Claims. (Cl. 24—171)



1. A center-bar belt buckle embodying a frame including front and rear frame bars and having at one side of the center bar means to provide a buckling engagement with the forward end of a belt and mechanism at the rear side of said center bar for connecting the rear end of the belt to the buckle and comprising a pair of substantially parallel cinch-bar members composed of round wire mounted in said frame between the center-bar and the rear frame bar, said cinch-bars having opposite end portions supported in said frame and depressed bar portions arranged to cooperate with said rear frame bar to provide for a threading, looping and bending of the belt around and over the said cinch bars to produce a cinching action.

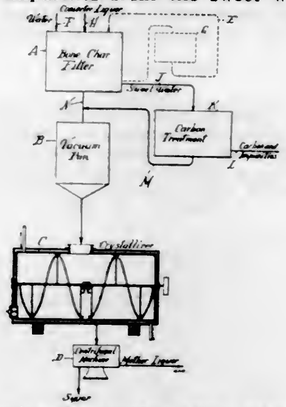
2,099,388
BIMETALLIC CORROSIVE-FLUID-CONTACT TUBE
Donald K. Crampton, Marion, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation of Connecticut
Application December 28, 1936, Serial No. 117,861
13 Claims. (Cl. 138—64)



1. A bimetallic galvanic-attack-resistant wrought-metal tube having an inner seamless tube-layer composed mainly of wrought-copper and an outer seamless tube-layer also composed mainly of wrought-copper but of different analysis and in intimate thermal contact with the adjacent tube-layer, and at least of the two said tube-layers containing in addition to its dominant copper-content an alloying metal providing distinctively different corrosion-resistant properties as compared to the corrosion-resistant properties of the other of said tube-layers.

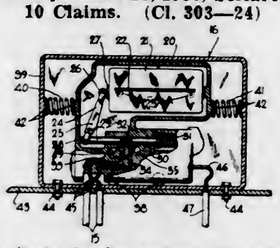
2,099,389
METHOD OF REFINING SUGAR LIQUORS
Charles Ebert, Leonia, N. J., and William B. Newkirk, Western Springs, Ill., assignors to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Application April 11, 1935, Serial No. 15,800
4 Claims. (Cl. 127—55)

3. In the process of making dextrose from starch converted dextrose solutions in which the converted liquor before crystallization is passed through a bone char filter, water circulated at intervals through the filter, and the sweet water mixed with dextrose solution to be crystallized and thus returned to the process for recovery of its sugar content in the crystallizing operation: the improvement which consists in subjecting the sweet water to treatment with 0.2% to 0.5% of virgin activated carbon, or to proportionately larger quantities of partially spent carbon, at a temperature of approximately 160° F. for approximately thirty minutes, removing the carbon and adsorbed impurities from the sweet water and



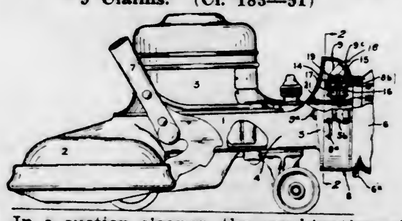
then returning the purified sweet water to the process.

2,099,390
SHOCKPROOF RETARDATION CONTROLLER
Ellery R. Fitch, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 18, 1936, Serial No. 101,465
10 Claims. (Cl. 303—24)



1. In a train brake system, in combination, means for applying the brakes on the train, means operated according to the rate of retardation of the train for controlling the degree of application of the brakes, and means for mounting said last means on the train and being so constructed and arranged as to protect said last means from shocks produced in the train.

2,099,391
SUCTION CLEANER
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 18, 1935, Serial No. 45,531
9 Claims. (Cl. 183—51)



1. In a suction cleaner, the combination of a suction producing unit having an outlet connection including a ring divided longitudinally

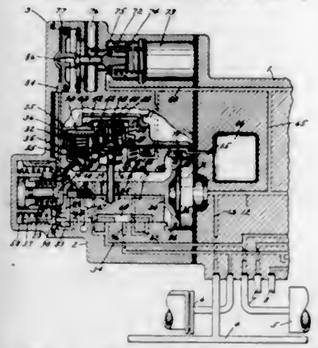
to provide a rearwardly opening chamber and an exhaust passage, an air pressure indicator mounted in said chamber and a dust receptacle attached to said ring and communicating with said chamber.

2,099,392

FLUID PRESSURE BRAKE

John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 27, 1936, Serial No. 98,135
17 Claims. (Cl. 303—42)



1. In a fluid pressure brake, in combination, a brake pipe, an emergency valve device comprising a piston subject to the opposing pressures of said brake pipe and a chamber normally charged with fluid under pressure, valve means operative by said piston upon a reduction in brake pipe pressure at an emergency rate to effect an emergency application of the brakes, a valve separate from said piston and normally establishing a communication from said chamber to said brake pipe through which the pressure of fluid in said chamber is adapted to reduce with that in said brake pipe upon a reduction in brake pipe pressure at a service rate, and means operative by the movement of said valve means to effect an application of the brakes to operate said valve to close said communication.

2,099,393

MECHANISM FOR LAYING SHOE SOLE CHANNELS

Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio

Application November 8, 1934, Serial No. 752,086
2 Claims. (Cl. 12—33)



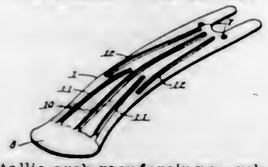
1. As a new article of manufacture, a press pad for laying shoe channels comprising a flexible elastic body formed to closely engage the lower surfaces of a shoe outsole during a channel pressing operation, one end of said pad being provided with spaced cushions of increased cross sectional area to engage with the shank regions of shoe outsoles, and holding clamps carried by said pad for engagement with the upper extension edges of a shoe outsole.

2,099,394

SHANK STIFFENER

Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio

Application October 10, 1936, Serial No. 105,065
2 Claims. (Cl. 36—76)



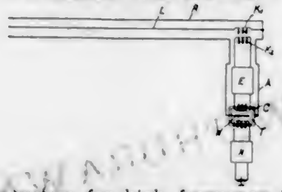
1. A metallic arch reenforcing member for shoes comprising a sheet metal stamping formed to constitute a longitudinally arched metallic body extending from the heel to the metatarsal areas of a shoe, the heel end of said member being substantially flat and apertured and the forward metatarsal portion of said member terminating in a flattened and transversely enlarged extension, said member between the heel and metatarsal ends thereof being provided with a single centrally disposed longitudinally extending reenforcing rib and at each side of said rib with a pair of shorter diagonally extending reenforcing ribs having overlapping ends.

2,099,395

SYSTEM FOR HIGH FREQUENCY TRANSMISSIONS

Walter Max Hahnemann, Berlin-Marienfelde, and Felix Gerth, Berlin-Tempelhof, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 27, 1935, Serial No. 33,468
In Germany August 8, 1934
3 Claims. (Cl. 178—44)



1. In a system for high frequency transmission, a cable containing concentric conductors, a high frequency device connected to said cable, a screen for said high frequency device, said screen being connected to the outer of said concentric conductors, a low frequency equipment, a transformer connecting said equipment to the said high frequency device and screening means fitted to said transformer and completing the screening of the said high frequency device.

2,099,396

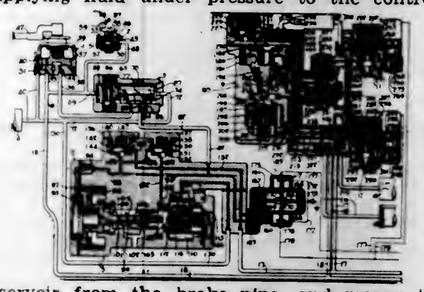
FLUID PRESSURE BRAKE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 24, 1935, Serial No. 37,700
17 Claims. (Cl. 303—15)

1. In a fluid pressure braking system, in combination, a brake cylinder, a supply reservoir, a control reservoir, a brake pipe, a relay valve device operated by an increase in fluid pressure for supplying fluid under pressure from the supply reservoir to the brake cylinder, means for supplying fluid under pressure from the control

reservoir to the relay valve device, means for supplying fluid under pressure to the control



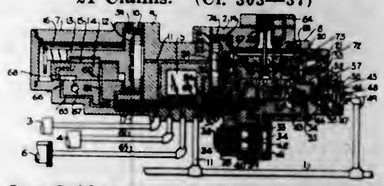
reservoir from the brake pipe, and means to control the rate of flow of fluid from the brake pipe to the control reservoir.

2,099,397

FLUID PRESSURE BRAKE

Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 5, 1936, Serial No. 67,261
21 Claims. (Cl. 303—37)



1. In a fluid pressure brake equipment, in combination, a brake pipe, a brake controlling valve device operated upon an emergency reduction in brake pipe pressure to effect an emergency application of the brakes, valve means operative by fluid under pressure supplied by said brake controlling valve device in effecting an emergency application of the brakes to establish a communication through which fluid under pressure is locally vented from the brake pipe, and means constantly subject to brake pipe pressure responsive to a reduction in brake pipe pressure of sufficient magnitude to insure a full emergency application of the brakes for effecting the operation of said valve means to close said communication.

2,099,398

FASTENING DEVICE

Peter A. Jensen, Wall Lake, Iowa

Application February 18, 1937, Serial No. 126,371
1 Claim. (Cl. 24—73)



A fastening device comprising an open frame of elongated rectangular configuration in plan provided with a cross bar extending between the longer sides of said frame, a tongue-pin pivotally secured to said bar for swinging movements upon one of the end portions of said frame, a hook member formed rigidly integral with said bar and extending from the latter beyond the other end of said frame and spaced from said last mentioned end for receiving a strap therebetween, and a closure tang secured to said bar provided with a resilient portion having an end normally abutting the end of said hook for closing the mouth of the latter.

2,099,399

METHOD OF MANUFACTURING PAPER PULP

Edwin P. Jones, Garden City, N. Y., assignor to Champagne Paper Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 16, 1936, Serial No. 105,915
1 Claim. (Cl. 92—16)

That improved method of producing bleached pulp from linen rags, which consists in subjecting the rags to a cooking operation in a digester with a solution of water of approximately 2½ to 4 times the dry weight of the rags, 1% to 4% sulphur, 4% to 10% calcium oxide, and 12% to 20% sodium carbonate, the quantities of the chemicals employed being based on the dry weight of the rags; washing the cooked rags to remove excess shive and water soluble impurities and then bleaching.

2,099,400

PREPARATION OF PAPER PULP

Edwin P. Jones, Garden City, N. Y., assignor to Champagne Paper Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 19, 1936, Serial No. 106,369
2 Claims. (Cl. 92—16)

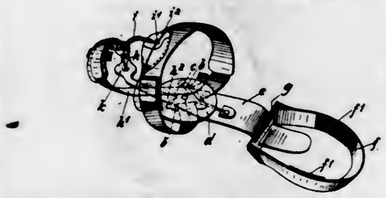
1. That improved method of producing bleached pulp from flax or hemp tow, which consists in subjecting the tow to a cooking operation in a digester with a solution of water of approximately 2½ to 4 times the dry weight of the fiber, and 14% to 20% sodium hydroxide and 1% to 4% sulphur, the quantities of the chemicals employed in the solution being based on the dry weight of tow; then washing the cooked fiber to remove shive fiber and water soluble impurities, and bleaching the fiber.

2,099,401

ORTHOPEDIC CORRECTING APPLIANCE

Martin Jungmann, Vienna, Austria

Application June 19, 1935, Serial No. 27,280
In Austria June 27, 1934
5 Claims. (Cl. 128—80)



1. An orthopedic appliance for correcting deformations of the foot, comprising in combination an adjustable tensional binder strap adapted to encircle the foot in the region of the metatarsal bones and to cross-tie the transverse arch of the foot, a longitudinal tension strap adapted to lie against the sole of the foot and attached at one end thereof to the said binder strap and adapted to be fastened at its other end to the heel of the foot for the purpose of cross-tying the longitudinal arch of the foot, an adjustable noose adapted to be looped around the big toe of the said foot

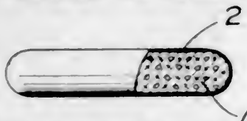
and fastened near both its ends to the said binder strap next the point of attachment of the longitudinal tension strap to the binder strap, means for determining the position of another point of the said noose relatively to the binder strap, so as to be held remote from this strap and for causing a tension created in the noose to exert a downwardly directed torsional pull upon the said toe.

2,099,402
PILL OR TABLET
Joseph Walter Keller, Merion, Pa., assignor to Pratt Food Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 17, 1934, Serial No. 706,991
1 Claim. (Cl. 167—82)



A pill containing a drug having a coating which is insoluble in the acid tract and soluble in the alkaline tract, and having another coating which is exterior to the first, the second coating carrying another drug, this coating being soluble in the acid tract but the second drug being effective only in the alkaline tract, whereby a time interval between the action of two simultaneously administered drugs in the alkaline tract is obtained.

2,099,403
SPLIT ACTION TABLET
Joseph Walter Keller, Merion, Pa., assignor to Pratt Food Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 24, 1934, Serial No. 754,625
1 Claim. (Cl. 167—82)



A surface finished split action medicinal tablet for treatment of an alkaline tract, said tablet being devoid of protective coats and consisting of a core and an enveloping crust in intimate contact with each other, said crust and core containing different medicaments, the medicament of said crust being inactive in the acid and neutral digestive tracts but active in the following alkaline tract, said core including an added binder whereby the core opposes greater resistance to physical disintegration in the acid and neutral digestive tracts than the crust and passage of the core material to the alkaline tract is thereby delayed.

2,099,404
LIGHT SENSITIVE COLLOID LAYERS AND TANNED PICTURES THEREFROM
Gustav Kögel, Baden-Baden, and Rudolf Zahn, Wiesbaden, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
No Drawing. Application January 10, 1935, Serial No. 1,238. In Germany January 19, 1934
8 Claims. (Cl. 95—6)

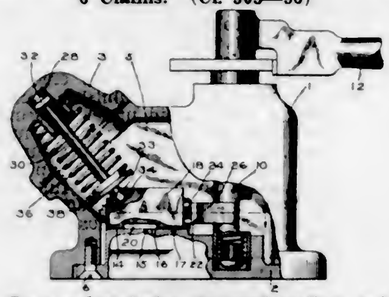
1. Process for the production of tanned pictures which comprises exposing a light-sensitive layer comprising a colloidal substance capable of being tanned and an aromatic light-sensitive compound of the group consisting of nitro compounds of the benzene and naphthalene series, the light-decomposition products of which are capable of tanning the colloid under a pattern and then dissolving the colloid not tanned by the action of light.

2,099,405
RESILIENT LIGHT SOCKET AND BRACKET EXTENSION
Jesse D. Langdon, Los Angeles, Calif., assignor of two-thirds to George J. Kilgen and Edward W. Todd, both of Los Angeles, Calif.
Application February 15, 1937, Serial No. 125,728
5 Claims. (Cl. 173—358)



2. The combination of an electric light socket formed of a unitary piece of rubber-like material to receive the shank of an electric light globe and having an integral inwardly extending boss resilient enough to support and maintain contact between circuit completing connections disposed within said socket, and elements combined with said socket to hold the shank of said globe and said circuit completing connections in assembled relationship within said socket.

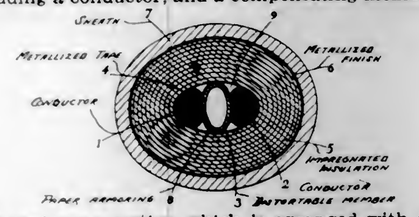
2,099,406
VALVE LOADER
Ewing K. Lynn, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 16, 1936, Serial No. 101,011
6 Claims. (Cl. 303—56)



1. In a valve device, in combination, a body having a seat thereon having ports therein, a slide valve movable upon said seat to control communication through said ports, a cam associated with said slide valve for moving it in one direction on said seat, and a spring associated with said slide valve for yieldingly pressing said slide valve against said seat and for also pressing said slide valve against said cam.

2,099,407
ELECTRIC CABLE
Raymond Charles Mildner, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 13, 1935, Serial No. 35,923
In Great Britain February 1, 1935
11 Claims. (Cl. 173—266)

1. An electric cable comprising a core of oval cross-section, impregnated insulating material surrounding said core, and a metal sheath surrounding said insulating material, said core including a conductor, and a compensating member



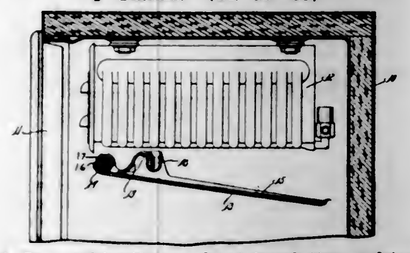
of oval cross section which is arranged with its major axis at right angles to the major axis of the oval core.

2,099,408
PROTECTING DEVICE
Richard A. Packert, West Orange, and William H. Marks, Clifton, N. J.
Application October 24, 1935, Serial No. 46,470
1 Claim. (Cl. 189—56)



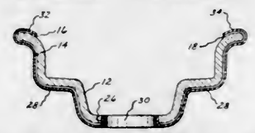
A protecting device of the kind described comprising a plurality of slats arranged in adjacent parallel relation to each other, coiled portions located at opposite edges of said slats, the coiled portions of each slat extending in opposite directions and being interconnected and substantially in surface engagement throughout with the coiled portions of adjacent slats whereby said slats are pivotally connected with each other, and flanges located at the free edges of said coiled portions, one flange of each slat projecting from its associated coiled portion in substantial parallel relation to the median plane of the extended slats and the other flange of each slat projecting from its associated coiled portion in oblique relation to said median plane whereby the flanges of interconnected coiled portions co-operate with each other to prevent relative pivotal movement of the slats in one direction materially beyond the surface plane of the extended device and to permit relative pivotal movement of the slats in the opposite direction sufficient to enable the device to be rolled up to an inoperative position.

2,099,409
REFRIGERATING APPARATUS
Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland
Application May 24, 1934, Serial No. 727,261
5 Claims. (Cl. 62—89)



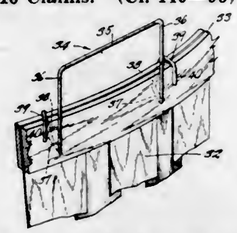
4. In combination, a heat insulating refrigerator cabinet, a cooling unit mounted in said cabinet, a baffle plate supported under said unit, a strip of paper on the upper surface of said baffle plate, and an odor absorbing substance on said paper.

2,099,410
LAMINATED RIM CONSTRUCTION AND METHOD OF MAKING THE SAME
Creighton W. Ryerson, Jackson, Mich., assignor to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Application October 27, 1934, Serial No. 750,264
5 Claims. (Cl. 301—97)



4. A laminated bicycle rim or the like comprising a relatively thick metallic section having tire retaining flanges having flared edges, a relatively thin metallic split shell resistant to corrosion conforming to and capping the outer exposed surface of said section, the edges of said shell embracing said flared edges and terminating contiguously with the tire walls, and means for preventing relative circumferential movement between said shell and rim section, said means comprising an abutment engaging the ends of a shell at the split.

2,099,411
MACHINE FOR MAKING AND ATTACHING WIRE BASKET HANDLES OR THE LIKE
Albert H. Schmidtke, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a corporation of Michigan
Application April 11, 1936, Serial No. 73,887
16 Claims. (Cl. 140—93)



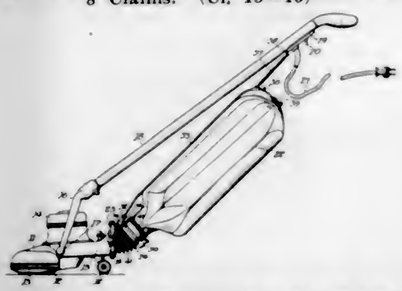
1. In an apparatus for forming and attaching bail shaped wire members, the combination of guiding means with spaced channels and mechanism cooperable therewith to bend a length of wire into the form of a bail with spaced legs having attaching portions extending laterally from the ends thereof in said channels of the guiding means, closing means at the open sides of said channels for confining said attaching portions of the bail therein, driving facilities by which said attaching portions of the bail are propelled along and expelled from the channels, said mechanism being operable to position portions of the legs of the bail between the driving facilities and the channel closing means as the legs are brought to their spaced relation in the bail forming operation, and said closing means being withdrawn from the open sides of the channels in a manner to progressively shorten the closed portions of the channels as the attaching portions of the bail are propelled along and expelled therefrom by the driving facilities.

2,099,412
DISPENSING CONTAINER
Carl Seidler, New York, N. Y.
Application March 9, 1936, Serial No. 67,824
9 Claims. (Cl. 221—60)



1. In a device of the character described, a pliable and collapsible container adapted to store a plastic substance therein, said container terminating at one end in an apex, a pouring spout arranged in the container adjacent the apex and means whereby a portion of the apex may be torn from the container to thereby operatively dispose the said spout against the container outwardly thereof.

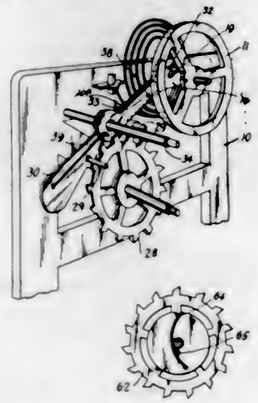
2,099,413
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 31, 1931, Serial No. 554,271
8 Claims. (Cl. 15—16)



1. A coupling and supporting device for attachment of a dust filtering bag to a suction cleaner comprising a pair of rings hinged together, a flexible tubular member connecting said rings, an arm rigidly connected to one of said rings and adapted to support one end of the bag, and means on said ring for detachably connecting the other end of the bag thereto.

8. A flexible member for connecting a dust filtering bag to the outlet of a suction cleaner, comprising a tube of resilient material having straight end portions and formed with a circumferentially extending corrugation between said end portions, the normal formation of said member when free from strain being such that the end portions of said member are disposed at an angle to each other to form a bend, the radial depth of said corrugation increasing in both directions from a minimum on the inside of said bend to a maximum on the outside of said bend.

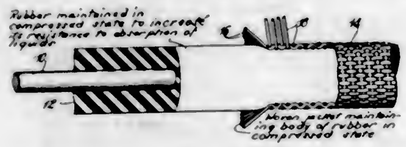
2,099,414
CLOCK
Richard H. Whitehead, New Haven, Conn.
Application August 8, 1934, Serial No. 738,958
2 Claims. (Cl. 58—121)



1. In a clock in combination, a balance wheel, a shaft, an escapement lever carrying pallet pins, mounted on said shaft, a fork lever adapted to be engaged by the balance wheel for operating said escapement lever and pivoted to the escapement lever distant from the shaft and a resilient connection between said fork lever and said escapement lever.

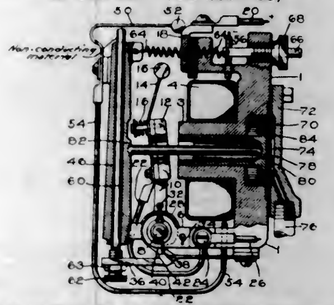
2. In a clock in combination, an escapement lever carrying pallet pins, an escapement wheel shaft, an escapement wheel loosely mounted on said shaft, a disc fixed upon said shaft of smaller diameter than said escapement wheel carrying an abutment, a pin upon said escapement wheel in the path of said abutment, and a spring holding said pin in contact with said abutment, except when the movement of said escapement wheel imparts a blow to one or the other of the pallet pins, said disc exerting sufficient friction against said escapement wheel to dampen any oscillation between the escapement wheel and its shaft.

2,099,415
PROTECTIVE JACKET FOR CONDUCTORS OR CABLES
Hans V. Wodtke, Plainfield, N. J., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application April 17, 1934, Serial No. 720,963
3 Claims. (Cl. 173—264)



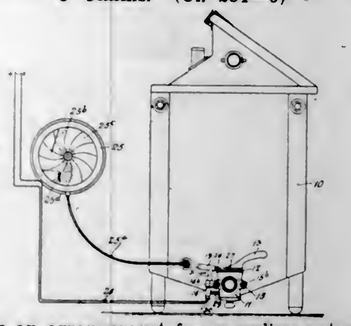
1. A conductor having an outermost closely woven fibrous jacket and a body of rubber wholly enveloped and maintained in a state of compression about the conductor by said jacket so as to render the rubber body more highly resistant to the absorption of liquids than in would be if the herein recited elements were not so combined.

2,099,416
COMPRESSOR GOVERNOR
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 15, 1936, Serial No. 79,937
18 Claims. (Cl. 200—83)



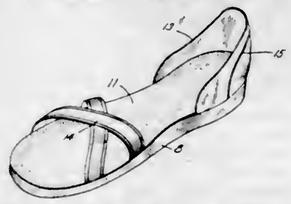
1. In a switch device, in combination, a switch movable between an open position and a closed position, yielding means urging the switch to one of said positions, electro-responsive means for moving the switch against the yielding means, latch means for preventing movement of the switch by the yielding means, biasing means, said switch device having a chamber adapted to contain fluid under pressure, and means subject to the opposing pressures of the fluid in said chamber and of said biasing means for controlling said latch means and for also controlling the supply of current to the electro-responsive means.

2,099,417
HEAT-PROCESSING RECORDER
Frank J. Bast, Queens Village, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a corporation of New York
Application January 2, 1932, Serial No. 584,352
3 Claims. (Cl. 234—6)



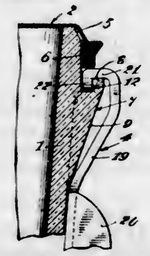
1. In an arrangement for recording automatically the temperature and time of discharge of a fluid from an apparatus for heat-processing the fluid, the combination with an instrument for recording the then temperature of the fluid; means sensitive to the temperature of the fluid and operatively connected with said instrument; said instrument including means for recording the temperature on a chart and an electric motor for driving the chart; an electric circuit for operating said motor; and a discharge valve associated with said apparatus: of a switch actuated by said valve and connected in said circuit for controlling the operation of said motor, said switch being arranged to open said circuit upon the opening of said valve.

2,099,418
WATERPROOF BATHING SANDAL
Charles E. Bradley and Kenneth L. Keene, Mishawaka, Ind., assignors to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application May 8, 1933, Serial No. 669,862
3 Claims. (Cl. 36—11.5)



2. A water-proof bathing sandal, comprising a sole-body of sponge rubber, a wear-resisting rubber-stock tread-layer vulcanized upon the bottom of the body of sponge rubber, a non-absorbent foxing covering and having a water tight connection with the peripheral edge of the sponge rubber and having its upper edge turned in across and secured to the top face of the sponge rubber, a non-absorbent insole covering and secured to the top of the sponge rubber and overlapping the inturned portions of the foxing, the insole, foxing and tread-layer being thin and pliable and constituting a non-absorbent envelope snugly enclosing the sponge rubber, said envelope and sponge rubber being vulcanized together and constituting a composite sole having the soft, pliable, and yielding characteristics of the sponge rubber, and a skeleton upper having its lower edge turned in and secured between the edge of the insole and the inturned edges of the foxing, said composite sole and upper being vulcanized to effect a water-tight connection between associated parts.

2,099,419
SEALED PACKAGE
Banks D. Brown, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a corporation of Delaware
Application August 1, 1933, Serial No. 683,133
5 Claims. (Cl. 215—46)

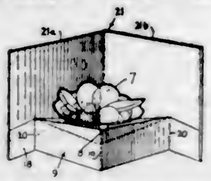


1. As an article of manufacture, an opener comprising a handle part made of flat material, portions at one end of the handle part being bent at substantially right angles to the plane of the handle, the other end of the handle part being offset to form a fulcrum part, a portion bent downwardly from the plane of the fulcrum part and in the direction of the handle, and upwardly extending prong-shaped portions at the ends of the downwardly depending part for engaging and piercing a gasket within a closure cap sealed to a glass container, said prong-shaped portions be-

ing adapted to vent the package and thereafter remove the closure from the container.

5. A sealed package comprising in combination, a glass container having a side wall sealing zone adjacent the upper end thereof adapted to fit within the skirt of a closure cap and having an integral radially outwardly extending circumferential projection spaced a slight distance below said sealing zone, said projection having a substantially horizontal upper surface with an end corner substantially perpendicular to the side wall of the container to serve as a fulcrum for a pry-off tool and to minimize the tendency of the prying tool to be forced out of its operating position when a closure cap is being pried from the container, and an outer side surface tapered downwardly and inwardly to merge into the side wall of said container, the outer side surface being of substantial length and longer than the distance the upper surface projects outwardly, and a closure cap having a sealing gasket in the skirt thereof, said skirt being reformed to compress said gasket between said sealing zone and the skirt of the cap to form a seal with the lower edge of the skirt of the cap adjacent to the upper surface of said projection in sealed position.

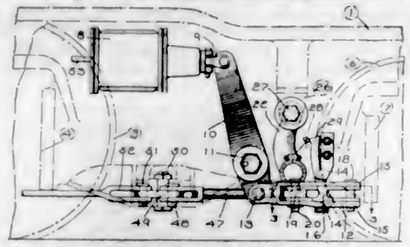
2,099,420
DISPLAY
Claude Carey Cloud, Chicago, Ill.
Application June 19, 1936, Serial No. 86,135
7 Claims. (Cl. 40—126)



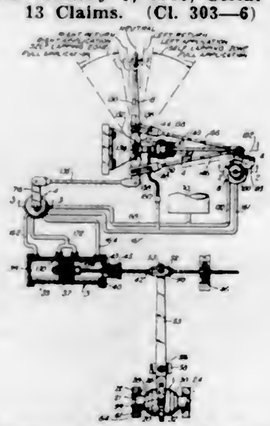
1. A display of predetermined configuration including a forepart, a back part, and an intermediate part, each of said parts being divided into sections by fold lines extended thereacross, one section of the intermediate part being connected to a section of the forepart and to a section of the back part along fold lines, another section of the intermediate part being connected to another section of the back part along a fold line and having a tab connected thereto along the fold line, said tab being adhesively connected to another section of the forepart, said forepart and said back part being folded along the fold lines therein in the completed display to dispose the sections thereof in substantially vertical planes and also to dispose the sections of each of said parts in angular relation with each other, said intermediate part being disposed in a substantially horizontal plane when the sections of the forepart and the back part are disposed in vertical planes.

2,099,421
BRAKE RIGGING
Theodore C. Crossman, Wilkinsburg, Pa., assignor to The American Brake Company, Wilmerding, Pa., a corporation of Missouri
Application June 13, 1936, Serial No. 84,998
20 Claims. (Cl. 188—33)

1. In a railway vehicle, in combination, a frame, a wheel and axle assembly arranged for lateral movement relative to said frame and having a braking surface movable therewith, a brake element carried by said frame and being movable into and out of braking engagement with said braking surface, means permitting lateral movement of said element from a normal position with said assembly when the element is in engagement with said braking surface, and means for moving said element from an abnormal lateral position to its normal position upon movement of said element out of braking engagement with said braking surface.



2,099,422
PNEUMATIC CLUTCH CONTROL DEVICE
George C. Farmer, Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 9, 1936, Serial No. 58,352
13 Claims. (Cl. 303—6)

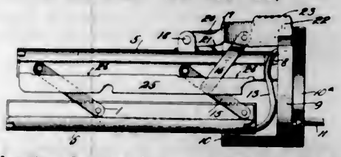


1. In a control system for a pair of friction clutch elements having associated therewith movable abutment means subject to and operated on an increase in the pressure of the fluid supplied thereto to move said clutch elements into operative engagement, said system comprising valve means for supplying fluid under pressure to said movable abutment means, said valve means having an actuating element having a normal position, the valve means being operative to supply fluid under pressure at pressures which vary in accordance with the amount of movement of the said actuating element from the normal position, a manually operable member having a normal position, means for moving the actuating element of the valve means away from its normal position in accordance with movement of the manually operable member away from its normal position, and a movable abutment subject to the pressure of the fluid supplied by the valve means and opposing movement of the manually operable member from the normal position.

2,099,423
COATING COMPOSITION
Gustave D. Fortman, Philadelphia, Pa.
No Drawing. Application January 28, 1936
Serial No. 61,178
2 Claims. (Cl. 134—46)

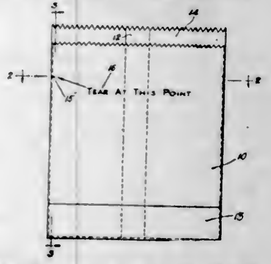
1. A dry mixture, adapted to be mixed with a liquid to form a coating composition, including the following ingredients in substantially the following proportions, 50 parts by weight of whiting, from 1 to 5 parts by weight of cold water paste, and from 1 to 5 parts by weight of powdered asbestos.

2,099,424
HAIR WAVING HEATER
Ernest O. Frederics, Bronxville, N. Y., assignor to E. Frederics, Inc., New York, N. Y., a corporation of New York
Application May 29, 1933, Serial No. 673,344
9 Claims. (Cl. 132—36)



1. A heater for use in imparting a spiral wave to hair, comprising a pair of opposed heating elements, a handle rigidly secured to one end of one of said elements, and means for moving the other element with respect to the element rigid with the handle while positively maintaining the same angular relation between them, said means including a device for yieldingly urging the elements toward one another.

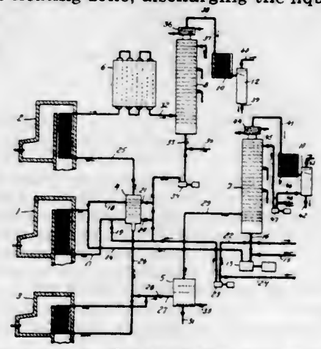
2,099,425
BAG CONSTRUCTION
Leon Goodman, Chicago, Ill., assignor to Crystal Tube Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 20, 1936, Serial No. 75,283
2 Claims. (Cl. 229—66)



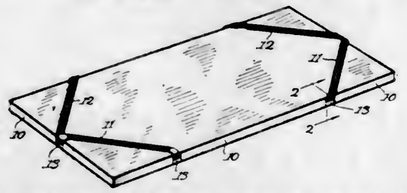
2. A bag-like container for candy or the like comprising a flattened cylinder or tube formed from a tough flexible transparent sheet of cellulose material, the lower end portion of said tube being doubled upon itself and secured in position to close such lower end, said flattened tube having a small weakened portion not readily visible to the eye at one edge thereof adjacent the opposite end portion to facilitate tearing the container for ready removal of its contents, and a notation on said tube indicating the position of said small weakened portion.

2,099,426
ART OF CRACKING HYDROCARBONS
Eugene C. Herthel, Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application April 23, 1932, Serial No. 607,091
6 Claims. (Cl. 196—48)

2. In the manufacture of gasoline, the improvement which comprises forcing a stream of higher boiling petroleum oil through a heating zone into a separator maintained under a superatmospheric pressure upwards of about 600 pounds per square inch and heating the oil to a severe cracking temperature in the heating zone, maintaining the separator at a temperature low enough to maintain liquid under the prevailing pressure a substantial part of the gasoline constituents formed in the heating zone and separating a gas mixture from liquid material in the separator, forcing this separated gas mixture through a separate heating zone by means of the pressure maintained in the separator and heating the gas mixture to a cracking temperature under a substantial superatmospheric pressure in the separate heating zone, discharging the liquid material separated in the separator into an evaporator maintained under a pressure substantially lower than that under which the separator is maintained and thereby vaporizing lower boiling constituents, separately taking off from said evaporator the lower boiling constituents vaporized therein, and condensing and collecting the gasoline constituents so vaporized from the separated liquid material and those formed from the separated gas mixture.



2,099,427
BEDDING PAD
Charles D. Karr, Holland, Mich.
Application July 13, 1934, Serial No. 734,961
1 Claim. (Cl. 5—322)

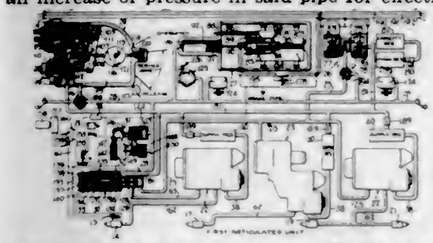


A bedding pad having marginal panels, and corner straps attached thereto, the panels having adjacent to each corner of the pad, upper and lower inserts, having instanding disconnected flaps at their adjacent edges, the strap ends entering between such flaps and being stitched thereto on lines inclined toward the ends of the strap from the margin thereof adjacent to the corner of the pad.

2,099,428
TRAIN BRAKE SYSTEM
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 29, 1936, Serial No. 66,417
29 Claims. (Cl. 303—3)

1. In a combination train comprising a plurality of independent train units coupled together, in combination, a brake equipment for

each of said train units comprising at least brake means for operating the brakes on that unit, a source of energy supply independent of the source of supply on any of the other train units, a pipe normally charged with fluid under pressure, means operating upon a reduction of pressure in said pipe for effecting operation of said brake means to apply the brakes, and operative upon an increase of pressure in said pipe for effecting

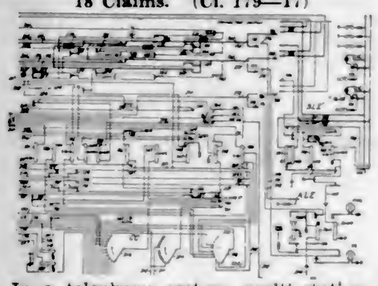


operation of said brake means to effect a release of the brakes; means on one of said train units for maintaining said pipe normally charged with fluid under pressure and for effecting a reduction of pressure in said pipe; and means on one or more of said train units operating in response to reduction of pressure in said pipe for controlling the rate of retardation produced by operation of said brake means on each of said train units.

2,099,429
AUTOMATIC TELEPHONE SYSTEM

John E. Ostline, Berwyn, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 7, 1934, Serial No. 724,238
18 Claims. (Cl. 179—17)



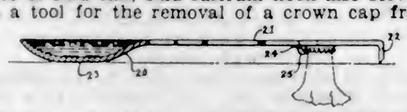
1. In a telephone system, multi-station subscribers' lines, trunk lines, a connector switch having access to said lines, auxiliary means, associated with said connector, controlled by impulses transmitted from the station of a calling line in accordance with a digit of a desired called line to enable said connector to subsequently supply signalling current to the proper conductor of such called line in accordance with the station being called, means for automatically transferring the control from said auxiliary means to said connector before the final impulse of such digit has been transmitted in case the called digit identifies a trunk call so that at least such final impulse will control said connector, and means for then causing said connector to automatically hunt for an idle one of said trunk lines.

2,099,430
CAN OPENER

Thomas S. Quea, Watertown, Conn.

Application October 17, 1936, Serial No. 106,137
1 Claim. (Cl. 30—16)

In a culinary implement having a handle, one end of said handle having an upstanding pointed cutter member, said handle being provided adjacent one end thereof with a fulcrum hook for engaging the rim of a beaded metal can to permit said cutter member to be forced into the end face of said can, said fulcrum hook also serving as a tool for the removal of a crown cap from



a bottle, said cutter member being normal to said handle and of sufficient length to hold said implement in substantially horizontal position and also having the function of forming a support for said implement when the latter is resting on a horizontal surface.

2,099,431
SWEATER

Henry Reeb, Brooklyn, N. Y., assignor to Friendly Knitting Mills, Inc., Brooklyn, N. Y., a corporation of New York

Application December 28, 1936, Serial No. 117,755
1 Claim. (Cl. 2—126)



In a knitted garment, a main body portion having arm openings encircled by relatively loosely knitted marginal edges, sleeves attachable to said main body portion, said sleeves having loosely knitted marginal edges abutting the marginal edges of the main body portion, the abutting portions of the marginal edges of the sleeves and the marginal edges of the main body portion having substantially the same peripheral dimensions and ribbons or cords passing through the loosely knitted marginal edges for detachably securing the sleeves in non-overlapping positions with relation to the main body portion.

2,099,432
REACTION PRODUCTS OF GLYCOLS AND ALKALOIDS

Samuel Ruben, New Rochelle, N. Y.

No Drawing. Application January 31, 1936, Serial No. 61,808
7 Claims. (Cl. 260—25)

1. A therapeutic composition comprising essentially the water soluble reaction product of a glycol and an alkaloid of the following group: quinine, strychnine, codein and ephedrine.

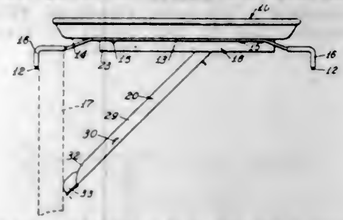
2,099,433
SERVICE TRAY

Samuel Bloomfield, Chicago, Ill.

Application September 18, 1936, Serial No. 101,408
2 Claims. (Cl. 311—22)

1. A service tray having secured thereto means adapted for detachable connection to the upper edge of a vehicle door and adjustable brace

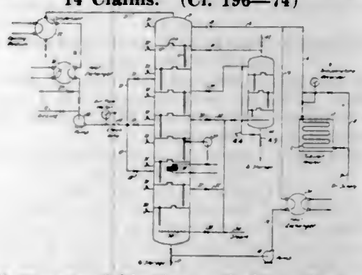
means including an elongated channel member attached to the bottom of said tray and having opposite edge portions formed to provide oppositely disposed longitudinally extending grooves, an elongated brace arm of channel shaped cross section receivable in said channel member between said grooves thereof, a pin extended laterally through an end of said brace arm and having its ends received in said opposite grooves, said end of the brace arm being slanted to permit moving said arm about said pin as an axis from a position substantially within said channel member into a position at substantially 45 degrees thereto, and means at the ends of said channel member for preventing movement of said brace arm and pin means out of axial ends thereof.



2,099,434
PROCESS FOR TREATING HYDROCARBONS

Albert B. Culbertson, Jr., St. Louis, Mo., assignor, by mesne assignments, to The Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application March 6, 1935, Serial No. 9,577
14 Claims. (Cl. 196—74)



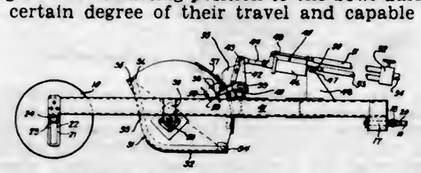
6. A process of blowing asphalt-producing petroleum base materials comprising, introducing a stream of material to be treated at an elevation into a reaction chamber, separating the stream into pools, said pools having a gravity downward flow, injecting separate currents of an oxidizing gas at selected elevations into the reaction chamber, withdrawing the residual gases from the reaction chamber and recirculating at least a portion thereof through said chamber, withdrawing the oxidized petroleum base material from the reaction chamber and recirculating at least a portion thereof through the reaction chamber.

2,099,435
COMBINED CARRIER SCRAPER

Ralph M. Davenport, Los Angeles, Calif.

Application April 2, 1935, Serial No. 14,253
3 Claims. (Cl. 37—140)

3. A device of the character described comprising a rigid main frame having opposite side rails, the forward end of said main frame being adapted to be supported by a tractor, ground wheels supporting the trailing ends of the side rails, a bowl mounted between said side rails for rotation around a horizontal axis, said bowl having a floor and a back wall, the opposite ends being closed, a cutting blade carried at the forward edge of said floor portion, a stop member carried by the bowl, a transverse shaft mounted on the main frame in advance of the bowl, a pair of locking dogs fixed to the transverse shaft and adapted to be swung as the shaft rotates, said dogs standing in an obstructing position to the bowl during a certain degree of their travel and capable of



moving with the stops to adjust the bowl and to swing free of the stops to permit rotation of the bowl, and a spreading cam on the transverse shaft at a point intermediate its ends and adapted to be moved to an obstructing position with relation to the upper rear edge of the rear wall of the bowl to limit rotation of the bowl and to cause the blade to form a spreading operation, and means adapted to be remotely controlled to produce desired rotation of the transverse shaft to swing it to its various operative positions.

2,099,436
SHOE

Alfred W. Donovan, Quincy, and Alfred F. Donovan, Boston, Mass., assignors to E. T. Wright & Company, Inc., Rockland, Mass., a corporation of Massachusetts

Application March 8, 1935, Serial No. 10,002
3 Claims. (Cl. 36—8.5)



1. A shoe comprising an upper including a quarter having a lining, an insole and a stiff hard counter having a flange at its lower margin, the rear end portion and one side wall of the counter being covered and concealed by the lining and the lower edge of the counter being anchored in the bottom structure of the shoe, the other side wall of the counter having an extension disposed at the inner side of the lining and which reaches forwardly substantially to the forward end of the shank, the upper comprising a substantially inextensible sling member disposed between the outer member of the upper and the lining, said sling member being permanently anchored at its upper end adjacent to the vent of the upper and having its lower end anchored in the shoe bottom structure, said sling girding the counter extension adjacent to the forward end of the latter and being operative, during lasting the shoe, to draw the flanged margin of the counter extension snugly against the lower part of the last.

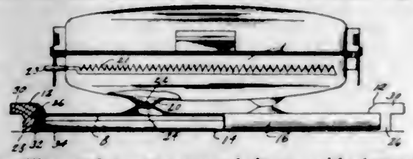
2,099,437
ELECTRICAL APPLIANCE AND BASE

William H. Fischer, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application June 26, 1936, Serial No. 87,454
14 Claims. (Cl. 53—5)

1. A support for a relatively low electrical appliance comprising a single sheet of substantially

flat material having flanges along two opposite sides thereof, elongated members having grooves receiving the other two sides thereof, said elongated members projecting below the lower surface of said sheet of material to form supporting feet for the material relative to a table top or



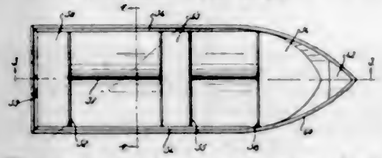
the like and means spaced from said elongated members, formed of said sheet material and projecting upwardly from the plane thereof to which the relatively low electrical appliance is rigidly connected for positioning said appliance above and spaced from the sheet of material.

2,099,438

BOAT AND THE METHOD OF CONSTRUCTING THE SAME

Mark L. Gilbert, Holland, Mich., assignor to Gil-Boat Company, Holland, Mich., a corporation of Michigan

Application February 21, 1936, Serial No. 65,019
7 Claims. (Cl. 9—6)



1. The method of forming a portion of a boat body from a single piece of material, consisting in rolling said piece of material into substantially circular form with the edges thereof in slightly separated relation, pressing inwardly said strip of material on a longitudinally extended line, diametrically opposite the space separating the edges, to define a pair of substantially semi-cylindrical portions, and then doubling said portions outwardly upon each other and bending the outer extremities thereof upwardly to provide side walls arcuate in cross section with the concave face directed outwardly.

2,099,439

PASTING PRESS

Leo Goldhammer, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application November 11, 1935, Serial No. 49,141
In Germany November 14, 1934
4 Claims. (Cl. 154—42)



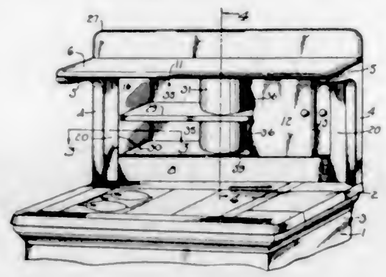
1. A pasting press comprising in combination a bed-plate, two rows of film guide pins arranged on said bed-plate at a substantial distance from each other for guiding a film of substandard size, said bed-plate being provided with a pair of openings near each row of film guide pins for registering with two successive perforations of a substandard film, a balance frame arranged on said bed-plate, two pairs of film-engaging pins arranged on said balance frame at places registering with said holes, and means for bringing one of said pairs of film-engaging pins into engagement with one of said pairs of bed-plate openings and through the latter into engagement with the perforations of a film while the other pair of film-engaging pins remains in retracted position.

2,099,440

STOVE

Christopher L. Hardwick, Cleveland, Tenn.

Application May 22, 1937, Serial No. 144,261
4 Claims. (Cl. 126—17)



1. In combination with a stove having vertically disposed shelf supports at the rear of the stove, a shelf on said supports overhanging the top of the stove, a warming closet having an open front end secured to the rear of said shelf supports, and doors slidably mounted in said shelf support for closing the open end of said closet and serving as a splash back.

2,099,441

CELLULOSIC PRODUCT AND METHOD FOR PREPARING SAME

Winfield Walter Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 15, 1934, Serial No. 744,259
4 Claims. (Cl. 106—40)

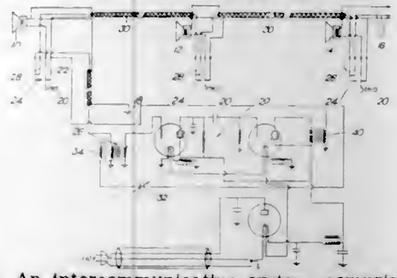
1. Delustered cellulosic articles prepared from cellulosic solutions containing, in a phase distinct from the cellulosic material therein, a finely divided, white, delustering agent comprising a substance having two or more cyclic nuclei highly deficient in hydrogen, said substance taken from the group consisting of di-naphthyl ketone, dibiphenyl ketone, p-phenylbenzophenone, naphthophenone, anthraphenone, acetonanthracene, naphthyl naphthylmethyl ketone, 1,2-dinaphthoyl ethane, 1,4 diacetylnaphthalene, dibenzoylmethane, benzalacetophenone, diphenacyl, benzil, benzoin methyl ether, dibenzoyl benzol, 3-acetonaphthol-1-methyl ether, benzyl biphenyl ketone, methyl ether of o-hydroxyphenylstyryl-ketone, phenyl cumaryl ketone, furfuryl phenone, acenaphthenyl phenyl ketone, benzylidene, desoxybenzoin, dibenzoyl styrene, p p' dichlorobenzylidene-acetophenone, 3,6-dibenzoyl carbazole, 4,benzoyl phthalimide, dibenzthiazyl ether of diphenylol ketone, diphenylene ketone, dinaphthylene ketone, chrysoketone, 2-bromo-9-keto-fluoren, 1-methyl 4-isopropyl diphenylene ketone, 9-keto-2-benzoylfluoren, xanthone, dinaphthoxanthone, euxanthone methyl ether, flavon, acenaphthenone, diethyl anthrone, 1,4 naphthoyl-1,4 dihydronaphthalene, ketone resin prepared by the condensation of 1,4 dihydronaphthalene 1,4-diacyl chloride with benzene.

2,099,442

LOUD SPEAKING TELEPHONE SYSTEM

Hugh A. Howell, Berwyn, Ill., assignor to United Pressed Products Co., Chicago, Ill., a corporation of Illinois

Application August 19, 1936, Serial No. 96,762
2 Claims. (Cl. 179—1)



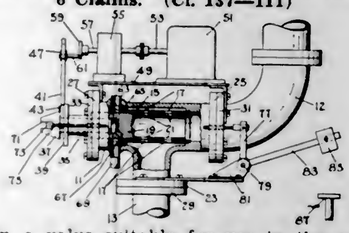
1. An intercommunicating system, comprising a plurality of combined receiving and transmitting units, and a single amplifier for all the units, together with a special input transformer associated with the amplifier, the special input transformer including a double primary winding, together with a balanced input circuit in the amplifier unit, said input circuit including a variable condenser and switch means for retaining all the units in receiving position.

2,099,443

VALVE

Frederick G. Kraft, Richmond, Va., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 4, 1935, Serial No. 43,479
6 Claims. (Cl. 137—111)



1. In a valve suitable for use in the control and regulation of viscose and similar fluids, cooperable elements longitudinally movable relatively to each other to effect an opening or closing of said valve, means for continuously oscillating said elements relatively to each other to prevent sticking therebetween, and fluid directing means for passing a cleaning fluid between said elements.

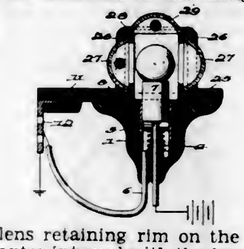
2,099,444

LIGHT CASING

Jesse D. Langdon, Los Angeles, Calif., assignor of two-thirds to George J. Kilgen and Edward W. Todd, both of Los Angeles, Calif.

Application December 4, 1936, Serial No. 114,219
10 Claims. (Cl. 240—7.1)

1. The combination with a lamp casing forming a supporting base provided on its outer face with an annular inturned rim member forming a flange retaining recess normally adapted to receive a lens, a lens adapter including at one end a basal flange member adapted to fit into said flange retaining recess in engagement with said inturned rim, at least one of said last named member being composed of flexible material to facilitate the insertion of the flange within the



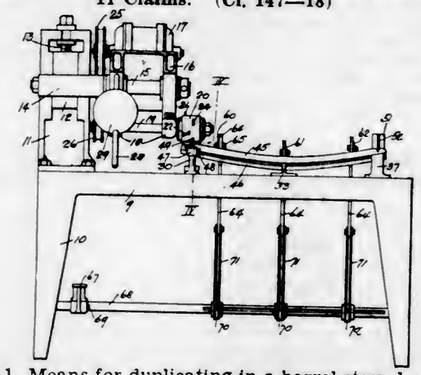
recess, a lens retaining rim on the opposite end of said adapter integral with the basal flange, and a lens fitting in said last named rim.

2,099,445

BARREL STAVE CROZER

Jesse W. Leonard, Willard R. Butterworth, Jr., Claud Leonard, Harry A. Wellford, and Walker L. Wellford, Jr., Memphis, Tenn.

Application October 22, 1936, Serial No. 106,938
11 Claims. (Cl. 147—18)



1. Means for duplicating in a barrel stave having one end crozed, a second croze, by means of a pattern stave having both ends crozed; said means including a manually shiftable rotary croze cutter, means for driving said cutter, means for constraining said cutter to move in a circular path, means, adapted to be manually engaged with a first croze of said pattern stave, for longitudinally positioning said pattern stave with the croze to be duplicated in alignment with the cutting zone of said cutter and means for supporting said stave with the bottom of said croze coincident with the circumscribing path of said cutter, said supporting means being adapted to support also said barrel stave to be crozed, means, adapted to be manually engaged with the second croze of said pattern stave and with the croze of said barrel stave, for aligning the crozed end of said barrel stave with the croze at the opposite end of said pattern stave, and means for clamping said pattern and barrel staves during cutting.

2,099,446

ILLUMINATED STREET MARKER

Frank B. Lockert, Dallas, Tex.

Application May 11, 1936, Serial No. 78,988
1 Claim. (Cl. 40—132)

In an illuminated street sign, a casing comprising a pyramidal-shaped top, a plurality of sides and a bottom portion, each side of the

pyramidal-shaped top having an opening provided with a panel of glass carrying a street number, each of the said sides having a square opening provided with a panel of glass carrying advertising matter, the said sides having a second opening of rectangular shape spaced above the said square opening and the rectangular opening



provided with a panel of glass carrying a street name, the said bottom of the casing having a central opening and an incandescent lamp extending through said opening into the casing for illuminating the panels of glass, and a supporting post to which the said bottom of the casing is secured.

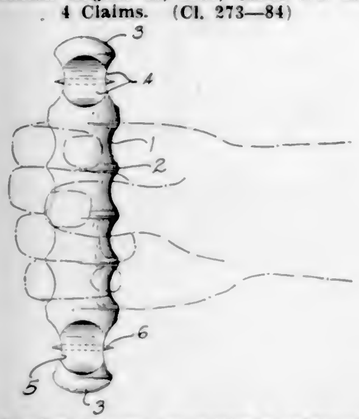
2,099,447

POLICE WEAPON

Frank A. Matsuyama, San Francisco, Calif.

Application August 20, 1937, Serial No. 160,030

4 Claims. (Cl. 273—84)



1. A police weapon comprising a substantially cylindrical body having a ridged handle portion of a size to be readily grasped by the hand, and portions extending beyond the hand and terminating in rounded striking surfaces, and angular faces joining to form sharp edges between the handle portion and said rounded striking surfaces.

2,099,448

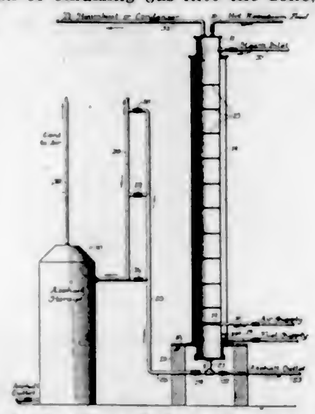
ASPHALT OXIDATION

Claude P. McNeil, Whiting, Ind., and Samuel A. Montgomery, Wood River, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 18, 1929, Serial No. 415,096

5 Claims. (Cl. 196—74)

5. The process of continuously producing blown asphalt which comprises introducing petroleum base material into a reaction zone, causing the material to be formed into a plurality of spaced pools and to flow from pool to pool, introducing a stream of oxidizing gas into the zone, causing



said gas to flow through the material in the pools and controlling the temperature of the reaction zone independently of the temperatures of the petroleum base material and oxidizing gas entering the zone.

2,099,449

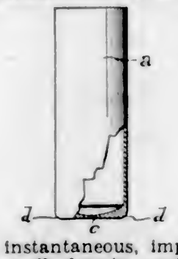
METHOD OF MAKING DRY CELLS

Otto Metzger, Nuremberg, Germany, assignor to Vereinigte Deutsche Metallwerke Aktiengesellschaft, Nuremberg, Germany, a company of Germany

Application November 26, 1934, Serial No. 754,805

In Germany November 14, 1931

4 Claims. (Cl. 207—10)



1. The cold, instantaneous, impact extrusion method of backwardly forming an integral hollow zinc container with a closed end which comprises placing a disc-like plate of rolled zinc in a closed cavity without preheating said plate, impacting said zinc plate in said cavity at room temperature of about 15° C. to about 20° C. with one blow of a solid plunger almost filling said cavity and only leaving a small open annular space, said impacting being effected without a lubricant and instantaneously with an extremely high pressure of about 142,000 to about 284,000 pounds per square inch whereby the extrusion of zinc is effected in a direction opposite to the movement of the plunger so speedily that it is not visible with the naked eye and whereby an integral hollow zinc container with a closed end and with smooth and mirror-like surfaces is formed with an extraordinarily dense and homogeneous structure and with excellent electrolytic qualities and greatly increase life, and discontinuing the application of pressure after said one sudden impact blow has been effected momentarily.

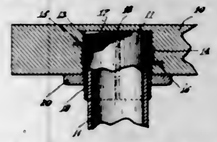
2,099,450

ARTICLE OF FURNITURE

Paul Meyer, New York, N. Y.

Application February 11, 1937, Serial No. 125,194

10 Claims. (Cl. 311—111)



1. An article of furniture having a top slab provided with a plurality of sockets therein, a spirally wound wire having inclined surfaces, embedded in and secured to the wall of each socket whereby wedge-like surfaces are provided within the socket, a constrictible tubular member having exterior wedge-like surfaces adapted to co-operate with the wedge-like surfaces within each socket, and having a screw threaded portion exposed outwardly of said socket, a leg adapted to penetrate each tubular member, and a nut engageable with the screw threads upon each tubular member, whereby longitudinal movement may be imparted to said member to cause the constriction of said member upon said leg.

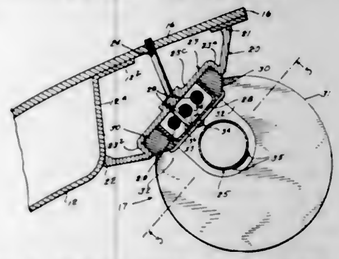
2,099,451

VEHICLE LIGHTING

Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application April 2, 1935, Serial No. 14,267

8 Claims. (Cl. 240—7.35)



1. In a lighting system for railroad cars or the like, in combination, a roof including a ceiling portion at a level lower than the top of said roof, an intermediate portion between said ceiling portion and said roof and forming an angle with said roof, a supporting member bridging said angle and having flanges secured respectively to said roof and said ceiling portion, a tubular illuminating member detachably associated with said supporting member, a plurality of disk-like reflectors disposed about said illuminating member, said reflectors being spaced from one another, and means detachably securing said reflectors to said supporting member.

2,099,452

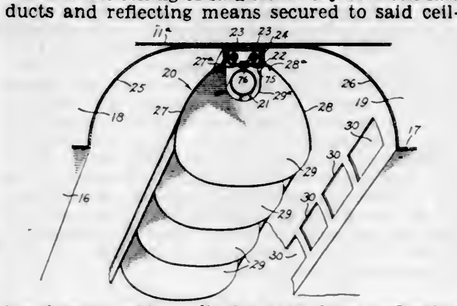
LIGHTING SYSTEM

Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating & Lighting Company, a corporation of New Jersey

Application April 2, 1935, Serial No. 14,268

8 Claims. (Cl. 240—7.35)

1. In lighting apparatus for railroad cars or the like, in combination, a car including a clerestory and a pair of air ducts disposed on opposite sides of said clerestory and extending longitudinally of the car, an elongated illuminator secured to the ceiling of said clerestory between said ducts and reflecting means secured to said ceil-



ing forming side walls for said ducts reflecting light rays emanating from said illuminator.

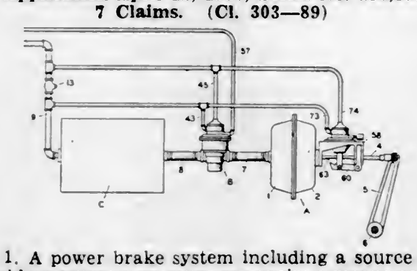
2,099,453

AIR BRAKE CONTROL SYSTEM

Dudley F. Searle, Oakland, Calif.

Application April 12, 1937, Serial No. 136,400

7 Claims. (Cl. 303—89)



1. A power brake system including a source of fluid pressure; a pressure reservoir; a means connecting said reservoir to said source; means for preventing loss of pressure from said reservoir through the connecting means; fluid pressure means for actuating the brakes connected with said reservoir; a valve interposed between said actuating means and said reservoir; means for locking said brake actuating means in operative position; control means connected to said coupling and adapted to open said valve and to operate said locking means when the pressure in said connecting means falls below a given point.

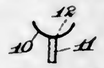
2,099,454

DENTAL MATRIX

Ivar E. Siqveland, St. Paul, Minn.

Application March 25, 1935, Serial No. 12,873

4 Claims. (Cl. 32—63)



1. A matrix for filling dental cavities including a flexible plate formed to the curvature of the tooth, and a hollow shank secured thereto providing an opening entirely through the shank and plate.

2,099,455

CELLULOSIC ARTICLE OF MANUFACTURE AND METHOD FOR PREPARING SAME

Daniel E. Strain, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 28, 1934, Serial No. 745,976

2 Claims. (Cl. 106—40)

1. A cellulosic structure containing a finely divided delustering agent taken from the group

consisting of 1,1'-binaphthyl 2,2'-dibutyrate, di-beta-naphthyl succinate, 1,1'-binaphthyl 2,2'-dibenzoate, di-biphenyl ester of trans-hexahydro phthalic acid, di-alpha-naphthyl phthalate, 1,1'-dinaphthylmethane 3,3'-dibenzoate, 1,1'-dinaphthylmethane 3,3'-dibenzenesulfonate, beta-naphthyl ester of naphthofurane-1-carboxylic acid, di-biphenyl ester of biphenylphosphonic acid, tri-biphenyl phosphate, tri-beta-naphthyl-phosphate, di-beta-naphthyl carbonate, di-alpha-naphthylmethyl phthalate, di-benzoate of 3,5 hydroxyphenyl-phenyl sulfone, di-benzoate of 4 benzoylamino-1,3-dihydroxy benzene, di-beta-naphthoate of 4-beta-naphthoyl amino-1,3-dihydroxy benzene, ditertiary butyl ester of 1,1'-bi(2-naphthoxyacetic acid).

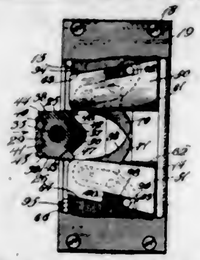
2,099,456

DOOR LATCH

Herbert P. Sweet, Providence, R. I.

Application April 14, 1936, Serial No. 74,316

26 Claims. (Cl. 292—340)



1. A keeper device for the latch bolt of a door comprising a casing, a support therein presenting spaced inclined surfaces, and spaced opposed wedge-shaped clamping members slidable in said casing along said inclined surfaces for movement both outwardly and towards said bolt to engage and hold the latter against movement in one direction.

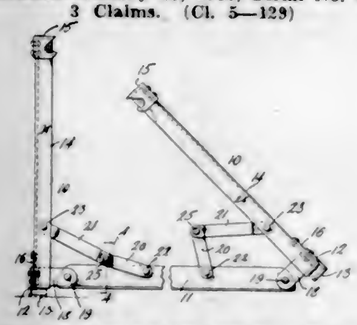
2,099,457

FRAME FOR GLIDERS AND THE LIKE

Joseph M. Vallone, Buffalo, N. Y., assignor to Barcalo Manufacturing Company, Buffalo, N. Y.

Application January 25, 1936, Serial No. 60,875

3 Claims. (Cl. 5—129)



1. A folding frame for gliders and the like comprising an end standard having a channel post with inwardly directed side flanges, and a central longitudinal member to which the standard is connected to fold towards the longitudinal member and which longitudinal member has an upstanding vertical flange, and a brace between the standard and the longitudinal member for holding the standard upright, said brace comprising a pair of parallel links pivoted to said vertical flange of the longitudinal member at opposite sides thereof and bearing flat against said opposite sides throughout a substantial portion of the length of the links, and a second pair of links jointed to said first links and diverging therefrom towards and pivoted to said side flanges of the standard post.

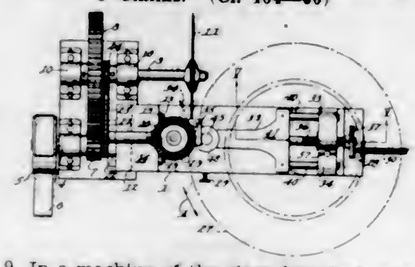
2,099,458

MACHINE FOR REMOVING TIRE TREADS

William C. Althen, Columbus, Ohio

Application November 20, 1935, Serial No. 50,732

9 Claims. (Cl. 164—60)



9. In a machine of the class described, a base, a fulcrum stud arising vertically from said base, a bracket having an elongated opening formed therein for the reception of said stud, said bracket being rotatable about the axis of said stud and longitudinally movable with respect to said base to a limited degree controlled by the length of the opening formed in said bracket for the reception of said stud, a pressure applying arm carried by and radially adjustable with respect to said bracket, a screw journaled in a threaded bearing carried in said bracket and connected with the inner end of said arm for regulating the radial adjustment of the latter, antifriction means carried by the outer end of said arm and disposed for engagement with the inner side of a tire casing, and an element carried by said bracket and receivable within a recess formed in said base when said antifriction means are in pressure applying engagement with a tire casing to prevent rotation of said bracket about the axis of said stud.

2,099,459

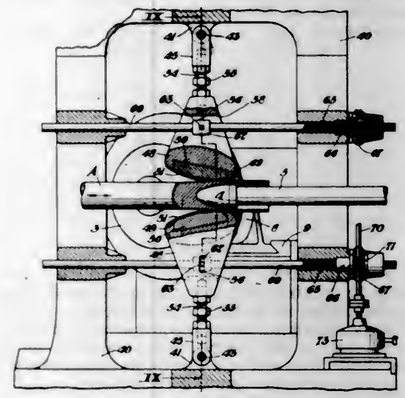
APPARATUS FOR MAKING PIPES AND TUBES

Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey

Application November 27, 1935, Serial No. 51,901

2 Claims. (Cl. 80—13)

1. Apparatus for forming metallic tapered blanks comprising, in combination, a plurality of metal-working rolls which are constructed and arranged to helically advance a work-piece in a continuous manner, and at least one guide member disposed to present its guiding surfaces to that portion of the work-piece which is in the pass of said metal-working rolls, said guide member being capable of only limited swinging movement in a plane through the axis of the work-piece to present different longitudinal portions of its guiding surface thereto, the guiding surface of said guide member having a groove of varying diameter which is longitudinally curved on an arc having its focus offset with respect to the axis about which said guide member swings, thereby producing a guide pass of varying size, and means for imparting swinging movement to said



guide member during the passage of the work-piece between said metal-working rolls.

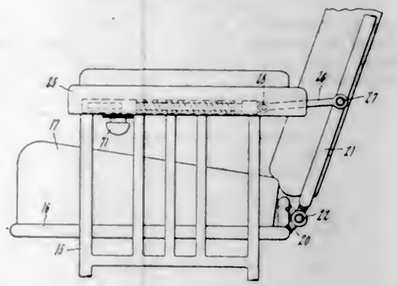
2,099,460

RECLINER MECHANISM FOR CHAIRS

Alfred B. Bell, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts

Application May 29, 1935, Serial No. 24,015

1 Claim. (Cl. 155—163)



In a recliner mechanism for a seat having a side arm and a rockable back thereon, a slidable member connected to said back and slidable in said arm in a front and rear direction, said member having in the forward end portion thereof an elongated chamber of limited length and a slot opening into said chamber from the bottom of said member, said slot being narrower than said chamber but having a plurality of widened portions spaced therealong, a locking plunger carried by said arm and movable at right angles to the direction of movement of said member to and from a position of locking engagement with said member, said plunger having a locking element adapted to fit into any one of said widened portions of said slot to lock the member against movement, said plunger having a stem portion adapted to ride in said slot when the locking element is moved clear of said widened portions of the slot, whereby the range of movement of said member is limited.

2,099,461

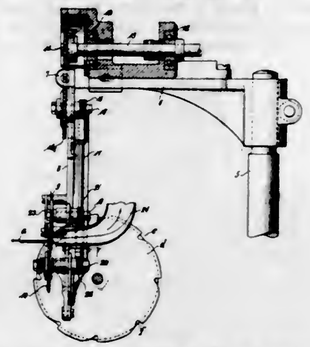
FABRIC TREATING MACHINE

Ernst Bernstein, Dresden, Germany, assignor to A. Monforts, Gladbach-Rheydt, Germany, a corporation of Germany

Application February 18, 1937, Serial No. 126,359

In Germany March 5, 1934

6 Claims. (Cl. 26—7)



1. In a device for cutting off the weft threads of selvedges, a drive shaft, a stationary bearing for said drive shaft, a pendent support, a member rigid with said bearing upon which said support is mounted so as to be capable of swinging freely toward and away from the edge of the cloth about an axis above the cloth, cutting means on said support adapted to cut off the weft threads immediately adjacent the selvedge, and power transmitting mechanism connecting said cutting means to said drive shaft so as to be driven thereby.

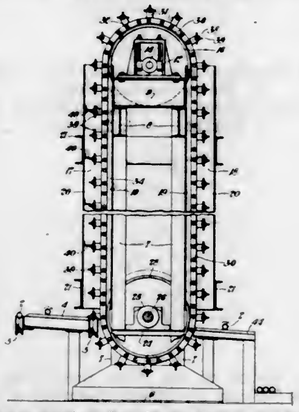
2,099,462

APPARATUS FOR DRYING PIPE COATINGS

John J. Boax, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application August 26, 1936, Serial No. 98,039

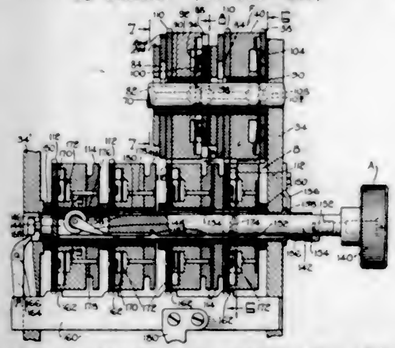
7 Claims. (Cl. 34—12)



2. An apparatus for drying pipe coatings comprising a pipe drying chamber, means for conveying said pipe through said drying chamber, means carried by said conveying means for supporting said pipe in its travel through said drying chamber, means for rotating said pipe on said conveying means during its travel through said

drying chamber and means for releasing said pipe from said supporting means at the discharge side of said pipe drying chamber.

2,099,463
REGISTER
Richard C. Bradley, Brooklyn, N. Y., assignor of one-half to Fred J. Bradley, St. Albans, N. Y.
Application November 22, 1933, Serial No. 699,120
15 Claims. (Cl. 235—132)



1. A meter head including a plurality of indicator wheels, drive means for turning the same in response to the running of a meter or like mechanism, the wheels being so geared as to automatically move in the ratio of 100 to 10 to 1 etc., and manually movable means affording selective adjustment of said wheels to a desired initial reading, said means including a single operating knob movable for translation and for rotation, engagement means controlled thereby for engagement with any one of the wheels, and mating engagement means on each of the wheels, whereby all of the wheels may be independently adjusted to a desired reading by the single aforesaid operating knob, said manually movable means and said meter driven means being so related that the latter does not interfere with and is not responsive to operation of the manually movable means.

2,099,464
GOGGLES
Donald L. Bruner, Coral Gables, Fla., and James H. Herr, Dayton, Ohio
Application March 26, 1935, Serial No. 13,141
4 Claims. (Cl. 2—14)



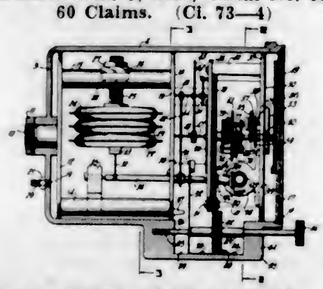
1. In a device of the class described, an eye cup frame having an outlet opening, a resilient face engaging member for said eye cup frame, an optical lens mounted in said eye cup frame means including a heating element for supplying warmed air under pressure into the space rearward of said optical lens and inlet means carried by said eye cup frame for deflecting said incoming air toward the optical axis of said lens.

2,099,465
CONDUCTOR CLAMP
Wade H. Burleson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 3, 1935, Serial No. 29,682
6 Claims. (Cl. 248—74)



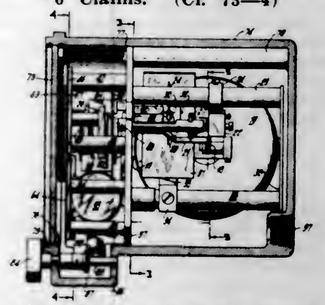
6. A supporting clamp for a conductor comprising in combination a body member arranged to be mounted in a support, an opening through the body member, a concave-convex cable-seat at one end of the body and a fulcrum at the other end thereof, an end-for-end reversible clamping member having a slotted opening therethrough, a concave seat at each said end of the clamping member to cooperate separately with the seat on the body member to grip the cable, fastening means extending through the openings and arranged to draw the members towards each other and secure the members to the support, and cooperating wedging seats on the members to guide the clamping member to move relative to the body member to grip the cable between the body seat and either one of the seats on the clamping member.

2,099,466
ALTIMETER
Victor E. Carbonara, Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application June 9, 1932, Serial No. 616,322
60 Claims. (Cl. 73—4)



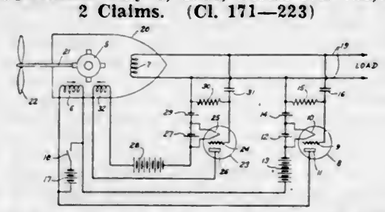
17. In an altimeter having a pointer, a scale and a pressure-sensitive device for operating the pointer in accordance with changes in altitude, a rock-shaft adapted to be actuated by said pressure-sensitive device, a pointer shaft, means for setting the altimeter for a predetermined altitude, a planetary differential gear train drivably connecting said rock-shaft and pointer shaft whereby relative movement may be produced between the pointer and scale separately by the operation of said rock-shaft and said setting means, said gear train comprising a pair of planet gears in constant mesh with each other, a planet pinion carried by each of said gears and rotatable therewith, a frame on which said planet gears and pinions are journaled, an operating shaft drivably connected to and actuated by said rock-shaft and rigidly connected to said frame for rotating the latter, a pinion adapted to be operated by said setting means and in constant mesh with one of said planet pinions, a second pinion carried by the pointer shaft and in constant mesh with the other of said planet pinions, means simultaneously operable with said setting means for holding said planet frame against rotation and rendering said pressure sensitive device ineffective to actuate said rock-shaft whereby said setting means causes relative movement between the pointer and scale through said planet pinions and gears, and means for holding said setting means during indicating action whereby said rock-shaft causes the planet frame to rotate and thus drive the pointer shaft through said planet pinions and gears during indicating action.

2,099,467
ALTIMETER
Victor E. Carbonara, Rockville Centre, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 5, 1932, Serial No. 641,446
6 Claims. (Cl. 73—4)



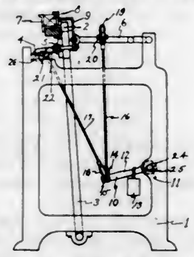
6. An altimeter comprising a pressure-responsive device responsive to changes in altitude, a fixed support for said pressure-responsive device, actuator means including a pair of plates having an arcuate bridging member therebetween spacing them apart, said plates being rotatatively mounted on said fixed support, a shaft operated by said pressure-responsive device and journaled in and between said plates and being revolvable therewith about the common axis thereof in addition to being rotatable on its own axis relative to said plates, a pair of pointers rotatably carried by said fixed support and operatively connected by said shaft to the pressure-responsive device for actuation thereby in a predetermined ratio, dial means for said pointers and having scales calibrated in the ratio of the pointers, means including a worm gear on the arcuate bridging member of the plates, a worm, and a knob adapted to be operated from the exterior of the altimeter for actuating the worm and worm gear to cause angular movement of said plates thereby revolving the shaft about the axis of said plates for operating the pointers to set the altimeter for a predetermined altitude or barometric pressure whereby said pointers indicate zero on the scales when the predetermined altitude is reached or the barometric pressure occurs, and a reference indicating device behind the dial means and viewable through an opening in the latter, said reference indicating means being operable with the pointers during setting of the altimeter and inoperable during operation of the pointers by the pressure-responsive device for indicating the predetermined altitude or barometric pressure for which the altimeter has been set.

2,099,468
ELECTRICAL GENERATING AND CONTROL SYSTEM
Stephen Cerstvik, Newark, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 3, 1934, Serial No. 723,792
2 Claims. (Cl. 171—223)



1. In combination with a source of electromotive force which comprises an alternating current machine having a single output winding and two field windings, said field windings being opposed to each other, an electronic device having its input associated with said output winding and its output with one of said field windings for supplying direct current to the latter winding in proportion to the output voltage, a second electronic device having its input associated with the output winding and its output with the second field winding, and means for controlling an internal characteristic of said second electronic device so that it supplies direct current of such value to said second field winding that the combined strength of the two field windings is reduced in response to an increase in voltage in the output winding.

2,099,469
IDLE DAGGER ROD AND LIGHT SHUTTLE BOX DEVICE
James Chapman, Atlanta, and Benjaman W. Brown, Hapeville, Ga.
Application August 22, 1935, Serial No. 37,338
5 Claims. (Cl. 139—347)



1. A loom with a shuttle, a shuttle box, a binder, a binder finger, and means for stopping the loom, a protector rod and a dagger attached thereto mounted on the lay of the loom, spring means associated with said protector rod and so disposed as to hold said dagger in its upper position, an arm mounted on said protector rod, a lever pivotally mounted on the frame of the loom, rod means connecting said lever to said arm, a pitman, and rod means connecting said pitman to said lever, load means for depressing said lever and stop means associated with said lever and the frame of the loom, the combination of means being so disposed that when the shuttle of the loom is in its box that the lever, and its associated load, is supported by means of the rod connected to the arm aforementioned, the protector rod, the binder finger, the shuttle binder, and the

shuttle, but when the shuttle is not in its box and the pitman is in a raised position, the lever, and its associated load is supported by the rod connected to the pitman and the pitman, and when the pitman is in a depressed position the lever, and its associated load, is supported by the stops attached to said lever and to the frame of the loom, in all cases the protector rod and the daggers associated therewith being free of load and held against their upper stops by means of the spring aforementioned unless the lay should be forward and the shuttle out of its box in which condition the lever, and its associated load, acts through the rod and the protector arm aforementioned and causes the protector rod to rotate against the action of the protector rod spring thus throwing the daggers into engagement with the stopping means thereby stopping the loom and preventing a smash.

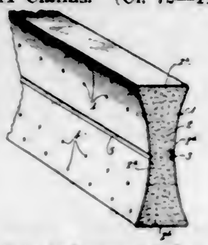
2,099,470

STUD

Edwin D. Coddington, Milwaukee, Wis., assignor to Reynolds Corporation, New York, N. Y., a corporation of Delaware

Application September 3, 1935, Serial No. 39,023

11 Claims. (Cl. 72—115)



1. A prefabricated composite structural member comprising a casing of light nail-penetrable sheet metal and a core of nailable cementitious material enclosed by the casing, and a longitudinally-extending inwardly-projecting lock seam uniting the two adjacent edges of the metal sheet forming the casing, said seam being disposed interiorly of the casing to provide a smooth exterior surface.

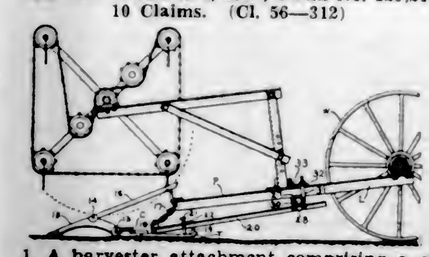
2,099,471

HARVESTER ATTACHMENT

Aaron D. Edgington, Cheney, Wash., assignor to Cheney Weeder Company, Cheney, Wash., a corporation of Washington

Application March 5, 1937, Serial No. 129,214

10 Claims. (Cl. 56—312)



1. A harvester attachment comprising a cutting device, push bars pivoted to said cutting device, means for limiting the pivotal movement of said cutting device, means for hingedly attaching said push bars to a harvester having a platform with said cutting device disposed below and forwardly of said platform, lifting fingers pivoted to said cutting device, gap bridging means cooperating between said platform and said lifting fingers, each gap bridging means pivoted to one of said lifting fingers and forwardly of the pivotal axis of the latter; means for limiting the pivotal movement of said lifting fingers, and means for limiting the hinge movement of said push bars.

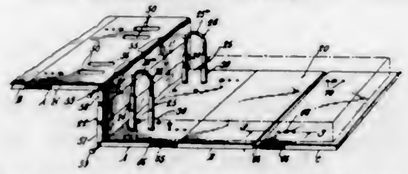
2,099,472

BINDER

George S. Emery, Tulsa, Okla.

Application August 24, 1935, Serial No. 37,735

5 Claims. (Cl. 129—1)



1. A loose leaf binder comprising a bottom cover composed of a plurality of transverse sections, binding posts supported upon the cover, and means uniting the transverse sections to permit separation of the sections in a direction lengthwise of the cover.

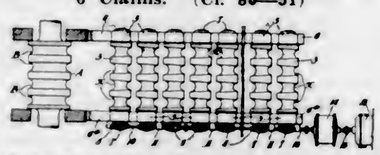
2,099,473

ROLLING MILL GUIDE

Stevenson Findlater, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey

Application September 24, 1936, Serial No. 102,417

6 Claims. (Cl. 80—51)



1. A rolling mill guide comprising a plurality of pairs of rotatable complementary guide-forming rolls, each of said rolls having a plurality of grooves of gradually increasing diameter around its periphery, whereby a plurality of series of guide passes of variable size are formed between said rolls, and means for synchronously rotating said rolls.

2,099,474

COMPENSATING SPRING

Frederick P. Flagg, Waltham, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts

No Drawing. Application August 18, 1934, Serial No. 740,432

2 Claims. (Cl. 58—114)

2. A spring having a high elastic limit and variable modulus of elasticity at different temperatures within normal atmospheric limits of temperature, consisting of an alloy having substantially the following composition:—

	Per cent
Nickel	36
Chromium	4.5
Manganese	3
Silicon	4
Titanium	0.1
Iron	the remainder

2,099,475

PURIFICATION OF SYNTHETICALLY PRODUCED ALCOHOLS

Johann Giesen, Helmut Hanisch, and Martin Dally, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 13, 1935, Serial No. 40,412. In Germany October 10, 1934

5 Claims. (Cl. 260—156)

1. In the purification of crude anhydrous alcohols separated from the mixture of alcohols obtained by the catalytic hydrogenation of oxides of carbon the step which comprises adding to the crude alcohol an alcohol of lower boiling point and subjecting this mixture to fractional distillation.

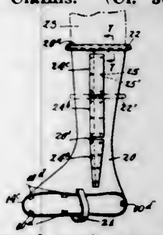
2,099,476

WATERPROOF SPAT

Martin Glowka, New York, N. Y.

Application April 1, 1937, Serial No. 134,251

3 Claims. (Cl. 36—2)



1. A waterproof spat comprising a tubular sheet rubber body for extending over a shoe upper and a portion of one's leg, and a strip attached across the side bottom edges of said body for extending under the arch of said shoe, and means for holding a fold longitudinally on said body for conforming said body to one's shoe and leg, comprising a plurality of strips with fastening elements along their edges cooperative with complementary fastening elements and longitudinal lines along said body and selectively removable from the top down to permit the upper portion of the body to be rolled.

2,099,477

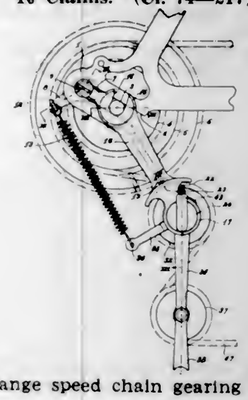
CHANGE SPEED CHAIN GEARING FOR BICYCLES AND THE LIKE

Jean Marcel Gruyer, Lyon, France, assignor to Victor Simon, Lyon, France

Application October 20, 1936, Serial No. 106,658

In France November 5, 1935

10 Claims. (Cl. 74—217)



1. A change speed chain gearing for bicycles and the like having a driving chain adapted to selectively drive a plurality of drive sprockets of different diameters, comprising a support fixed to the cycle; an axially movable chain guide pinion carried by said support and adapted to be disposed opposite each of said drive sprockets; a pivoted chain tensioning lever carried by said support and axially movable with said guide pinion; spring means tending to rotate said lever to stretch the driving chain of the cycle; and cooperating abutments on said support and on said chain tensioning lever adapted to limit the tensioning motion of said lever under the action of said spring means for each axial position of said guide pinion.

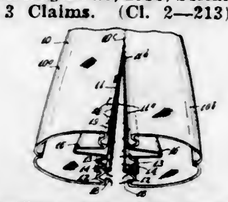
2,099,478

CULOTTE

William Gurian, New York, N. Y.

Application August 28, 1936, Serial No. 98,302

3 Claims. (Cl. 2—213)



1. A convertible culotte skirt, comprising material in the form of a culotte skirt having a body, wide flowing leg portions, and a crotch portion, and a fastener for securing the leg portions thereof together from the crotch to the free ends thereof, said fasteners comprising flange strips of material secured upon the leg portions and extending from the crotch to the ends of the leg portions, and engageable hooks on said strips of material, said strips of material being secured within folds formed in the leg portions, and a plurality of additional folds in the material of the leg portions extending from the crotch to the ends thereof, means for holding said folds closed as desired, including strings secured upon the material of the culotte skirt along the folds and adapted to be tied together.

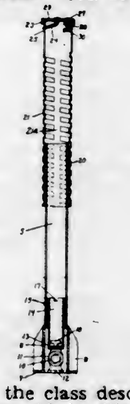
2,099,479

CURB BOX FOR SERVICE PIPE SHUT-OFFS IN WATER SYSTEMS

John Heinkel, St. Louis, Mo., and William J. Hebenstreit, Kansas City, Kans.

Application May 22, 1936, Serial No. 81,144

2 Claims. (Cl. 137—13)



1. A device of the class described, comprising a tubular box, provided with a housing in its

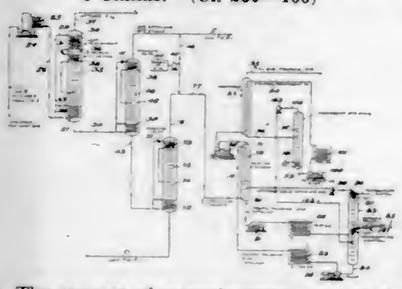
lower end, and having a screw thread at its upper end, a corrugated barrel engageable with said thread, a valve casing in said housing, and valve therein, a sleeve in the lower part of said box, spaced therefrom, and provided with openings in its sides, cooperating means on said sleeve and valve casing for holding said sleeve removably in position, a handle connected with said valve and extending into said sleeve, and means for removing said sleeve from the box.

2,099,480

PROCESS OF MANUFACTURING PROPYL CHLORIDE

Eric B. Hjerpe, Pittsburgh, and William A. Gruse, Wilkinsburg, Pa., assignors, by mesne assignments, to Gulf Oil Corporation, a corporation of Pennsylvania

Application May 26, 1932, Serial No. 613,774
6 Claims. (Cl. 260—166)



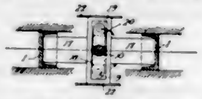
5. The process of manufacturing propyl chloride from propylene, which comprises contacting propylene and hydrogen chloride in the presence of a catalyst consisting of stannic chloride.

2,099,481

RECIPROCATING ENGINE OR PUMP

William Aubrey Hildyard, Brunswick, Australia, assignor to Strate-Stroke Pumps and Engines Proprietary Limited, Footscray, Victoria, Australia, a company of Australia

Application March 26, 1936, Serial No. 71,014
In Australia April 4, 1935
1 Claim. (Cl. 74—50)



A reciprocating engine or pump comprising a piston slidable in a cylinder, a crosshead slidable between guides and having a slotway in each of its opposite faces, a connecting rod rigidly connecting the piston and crosshead to form a combined structure which reciprocates as a unit, two axially aligned crankshafts arranged one on each side of the crosshead and adapted to rotate in opposite directions, crank arms on said crankshafts, and crank-pins on said arms each operating in one of the opposite slotways of the crosshead.

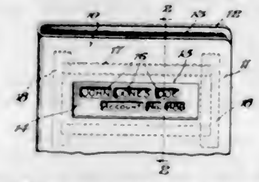
2,099,482

PASS BOOK

Hughes Hal Hill, Augusta, Ga.

Application October 9, 1936, Serial No. 104,891
3 Claims. (Cl. 101—287)

1. A pass book containing pages for entering items relating to an individual account comprising front and back covers, one of said covers being formed to receive a printing plate bearing



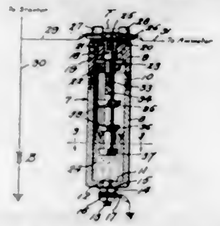
raised identification characters corresponding to said account, said cover also carrying inking means for the printing characters.

2,099,483

AUTOMATIC CIRCUIT BREAKER

Marion Kelly Hinde, Atlanta, Ga.

Application September 16, 1936, Serial No. 101,144
6 Claims. (Cl. 200—52)



1. A circuit breaker comprising a cylindrical casing adapted to be mounted on an automobile in normally vertical position, said casing including a lower conducting part adapted to be grounded to the automobile, and an upper insulating part detachably connected to the lower part and forming an insulated support for fuse clips, fuse clips secured to said upper part, a conducting member extending through said upper part and electrically connected to one of said clips, and a conducting liquid partly filling the lower part while the latter is in vertical position and adapted to close the circuit between said lower part and said conducting member when the casing is moved from vertical to horizontal position.

2,099,484

TOILET APPLIANCE

Lynde De F. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York

Application November 9, 1935, Serial No. 49,102
3 Claims. (Cl. 87—23)



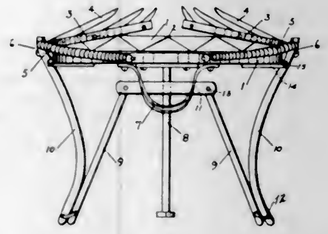
1. A toilet article for personal use in bathing consisting of a body of soap having a horizontal opening extending through it from one side to the other, and a substantially endless flexible suspension member forming an elongated loop of sufficient size to pass over the head of a person, the suspension member having a portion passing through the opening in said body and the side portions of the loop being spaced from each other from the sides of the body to the top of the loop when the toilet article is in use thereby completely exposing the body of soap for use without the suspension member interfering with the free use of the soap.

2,099,485

GOBLET FOOT FORMING DEVICE

Stephen Hujo, Jr., Clarksburg, W. Va.

Application November 4, 1935, Serial No. 48,120
3 Claims. (Cl. 49—26)



1. A device for shaping the foot of a glass goblet or the like while hot, including a base having radial ribs separated by radial grooves, a stem extending from the base, a member slidable on the stem, opposed levers pivotally connected to the base, fingers on said levers movable into position within the grooves in the base, connections between the levers and the slidable member, and resilient means for automatically shifting said slidable member in one direction along the stem and moving the fingers and levers relative to the base.

2,099,486

SYNTHETIC RESIN AND METHOD OF PRODUCING

Irvin W. Humphrey, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 29, 1935, Serial No. 3,945
18 Claims. (Cl. 260—8)

1. A reaction product of dipentene-maleic anhydride and an alcohol.

9. A coating composition comprising a reaction product of an alcohol and dipentene-maleic anhydride, and a solvent.

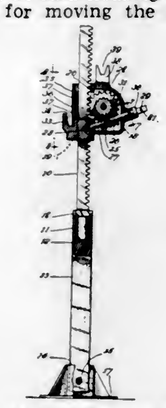
2,099,487

AUTOMOBILE JACK

Carl W. Johnson, Glencoe, and Gilbert M. Smith, Congress Park, Ill.; said Smith assignor to said Johnson

Application March 25, 1935, Serial No. 12,766
3 Claims. (Cl. 254—97)

3. A jack comprising a base, an intermediate supporting member pivotally mounted thereon for rotation in one plane only, and a rack-bar mounted on the upper end of said intermediate supporting member in alignment therewith and for rotation thereon about its longitudinal axis, a housing slidably mounted on said rack-bar, operating means in said housing cooperating with the rack-bar for moving the housing up and



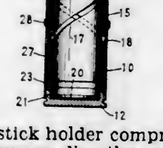
down thereon, and means carried by said housing for engaging an article to be raised.

2,099,488

LIPSTICK HOLDER

Nathan Kasdan, New York, and Richard F. Landwehr, Laurelton, Long Island, N. Y., assignors to Majestic Metal Specialties, Inc., New York, N. Y., a corporation of New York

Application October 20, 1934, Serial No. 749,136
16 Claims. (Cl. 206—56)



1. A cosmetic stick holder comprising a carrier, a pair of sleeves surrounding the carrier and capable of relative rotation therebetween, a pin projecting from the carrier into cooperation with said sleeves, said sleeves being provided with oppositely inclined helical guide means for the carrier pin, said guide means being at such inclination as to hold the carrier against downward movement under an axial thrust, each of said sleeves being longitudinally slit and neither guide means crossing the slit in its sleeve.

2,099,489

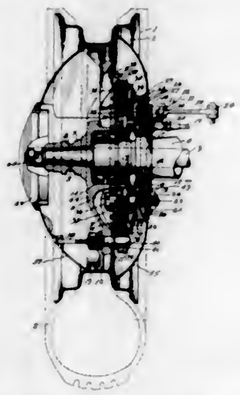
POWER TRANSMISSION

Homer T. Lambert, St. Joseph, Mich.

Application February 24, 1936, Serial No. 65,459
12 Claims. (Cl. 188—72)

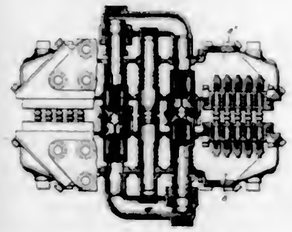
1. In a brake mechanism of the class described, a support, a unitary brake assembly constructed to be readily attached to and detached from its operative position as a unit and comprising a stationary part, a brake member adjacent said stationary part movable rotatably and laterally relatively thereto, means interposed between said brake member and stationary part for imparting lateral thrust to said brake member incident to

rotary movement of the latter, and means connecting said stationary part and brake member together and to the support, with the thrust means disposed between the stationary part and



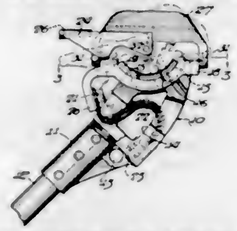
brake member whereby to provide a brake assembly of unitary form which may be mounted and dismounted with the elements thereof in their assembled relation aforesaid.

2,099,490
COUPLING MECHANISM
Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 8, 1936, Serial No. 73,331
7 Claims. (Cl. 284—6)



3. A fluid pressure connecting device for fluid pressure lines on coupled cars comprising, a support, tubular reciprocating means mounted on the support and a spring yieldingly holding the means in its advanced position, the reciprocating means having a lateral movement relative to the support, a manifold for cross-connecting the reciprocating means with other tubular means mounted on the support, means to prevent rotation of the tubular means without preventing its reciprocation and lateral movements, a packed joint between one end of the tubular means and the manifold, a renewable gasket at the front end of the tubular means and a check valve in the said means normally held closed by a spring, the gasket arranged to be engaged by the check valve when closed and by the fluid pressure connecting means on a cooperating fluid pressure connecting device to connect the fluid pressure lines on coupled cars and to open the check valves in both connecting means and means for connecting a fluid pressure line to the manifold.

2,099,491
RENEWABLE AND SELF-LUBRICATING TROLLEY SHOE
Henry A. Leonhauser, Baltimore, Md., assignor, by direct and mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application July 24, 1933, Serial No. 681,977
3 Claims. (Cl. 191—59.1)



1. A current collector for electric railway cars, comprising a trolley head including a relatively fixed portion, a relatively movable portion pivoted upon said fixed portion for limited rocking movement forwardly and rearwardly with respect thereto, a shoe mounted on the top of said relatively movable portion and grooved for engagement with a trolley wire, said shoe being formed at its ends with parallel apertured depending lugs engaging against the front and rear ends of said movable portion, and axially alined securing elements passing through said lugs and into said relatively movable portion, said shoe being formed of a metallic alloy containing a lubricating ingredient.

2,099,492
BOAT
Alfred E. Luders, Stamford, Conn.
Application May 9, 1935, Serial No. 20,585
10 Claims. (Cl. 114—66.5)

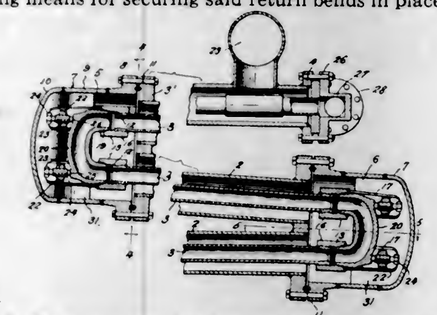


1. In a boat of the sled type, having a propeller disposed aft of the hull with its axis substantially at normal water line at high speed, a plate disposed rearwardly from the hull adapted to contact with the water in the wake of the boat, a rudder disposed beneath the plate aft of the propeller, and an opening in the plate normally embracing the propeller.

2,099,493
DOUBLE PIPE HEAT EXCHANGER
John C. Mahoney, Westfield, N. J., assignor to Henry Vogt Machine Co. Inc., Louisville, Ky., a corporation of Kentucky
Application June 16, 1936, Serial No. 85,614
2 Claims. (Cl. 257—247)

1. A heat exchanger comprising a plurality of double pipe elements arranged in rows, each including an inner tube and a surrounding outer tube, said tubes being arranged to define an annular space between them, the ends of outer tubes at one end of said exchanger being supported by a tube sheet and opening in the outer face of said tube sheet, a header secured against said tube sheet defining therewith a chamber with which two or more adjacent pair of outer tubes communicate, means for connecting the inner tubes of each of said pairs at said end of said exchanger

comprising coupling members fixed to said inner tubes and of such size as to permit said inner tubes to be withdrawn through said outer tubes, a return bend for the inner tubes of each of said pairs having its ends received by said coupling members, said coupling members including clamping means for securing said return bends in place,



a baffle within said header between adjacent return bends for preventing lateral circulation of the liquid within said header and means for independently serially connecting the inner tubes of said rows and the outer tubes of said rows at the opposite end of said exchanger.

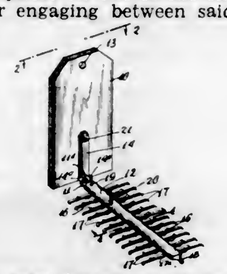
2,099,494
OVERHEAD TROLLEY SYSTEM
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application February 12, 1936, Serial No. 63,570
2 Claims. (Cl. 191—38)



1. An overhead trolley device for use in a two wire trolley system comprising a pair of spaced frogs having U shaped receiving ends, each end having spaced upstanding lugs with transverse registering openings to receive through fastening means, a crossover spaced from the frogs and having U shaped receiving ends each with upstanding spaced lugs with registering transverse openings to receive through fastening means, conducting means connecting one crossover end with a branch end of one frog and insulating means connecting another end of the crossover to a main end of the other frog, each connecting means having its ends provided with a single projecting lug positioned between the lugs of the end to which it is attached and having transverse openings registering with the openings of the upstanding lugs, through means positioned in the openings to secure the parts together, the connecting means also having the vertical height thereof when installed greater than the width to permit bending in a horizontal direction but rigid in a vertical direction and the lower edge of the connecting means guiding a current collector off and onto the frogs and the crossover.

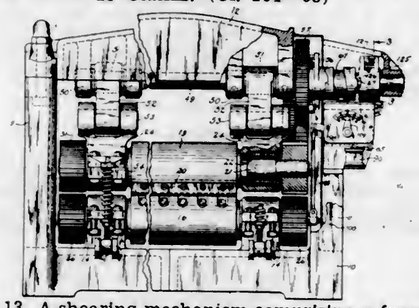
2,099,495
FOLDING NECKTIE HOLDER
Louis I. Mirel, Brooklyn, N. Y.
Application August 1, 1935, Serial No. 34,137
4 Claims. (Cl. 211—97)

1. A foldable tie holding rack, comprising a wall bracket, a fork element on said wall bracket, having recesses on the inner adjacent sides of the fingers, forming said fork element, a tie holding bar, a sphere on one of the ends of said tie holding bar engaging between said fingers and



into said recesses for universally supporting said tie holding bar on said wall bracket, and means for holding said sphere and tie holding bar in all of their adjusted positions on said wall bracket.

2,099,496
SHEARS
Myles Morgan, Worcester, and John N. Whalen, Boylston, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application February 7, 1936, Serial No. 62,762
13 Claims. (Cl. 164—68)

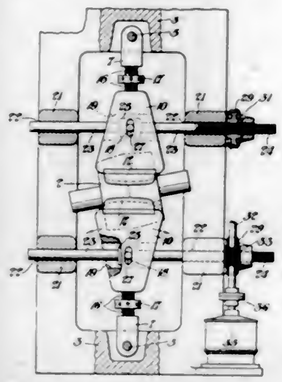


13. A shearing mechanism comprising a frame, a member supported for movement in the frame, a cutter head rotatably mounted in the member, means including an eccentric rotatably mounted in the frame to impart movement to the member and thereby move the cutter head, means to rotate the cutter head continuously, means including a clutch to rotate the eccentric, means responsive to the approach of stock to the shearing mechanism and effective to produce clutch engagement and thus cause the cutter head to move and cut a short piece from the front end of the stock, and means to disengage and engage the clutch in timed relation with the rotation of the cutter head while stock is passing through the shearing mechanism and thereby shear predetermined lengths from the remainder of the stock.

2,099,497
GUIDE FOR TUBE ROLLING MILLS
John W. Offutt, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
Application May 20, 1936, Serial No. 80,876
4 Claims. (Cl. 80—13)

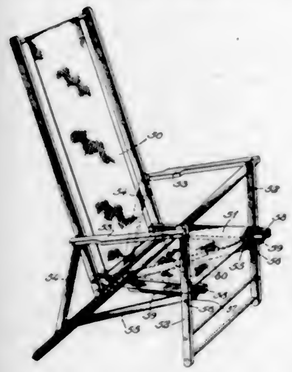
1. Apparatus for forming metallic tubular blanks comprising, in combination, a plurality

of metal-working rolls which are constructed and arranged to helically advance a work-piece in a continuous manner, at least one guide member disposed to present its guiding surface to that portion of the work-piece which is in the pass of said metal-working rolls, said guide member having its guiding surface longitudinally



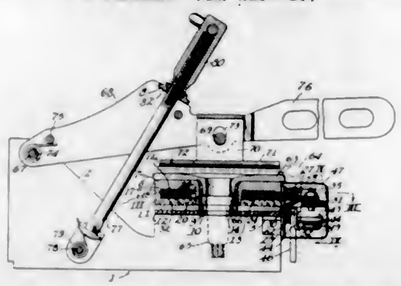
arced and being capable of only limited swinging movement in a plane through the axis of the work-piece to present different longitudinal portions of its guiding surface thereto, and means for imparting swinging movement to said guide member whereby excessive localized heating and wearing of said guiding surface is substantially reduced.

2,099,498
FOLDING CHAIR
Orval R. Platter, North Vernon, Ind., assignor to North Vernon Industries, Inc., North Vernon, Ind., a corporation of Indiana
Application February 12, 1935, Serial No. 6,251
7 Claims. (Cl. 155—117)



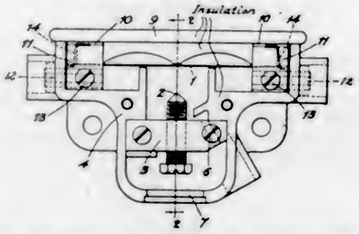
3. A chair comprising side frames connected by cross bars, a back pivotally supported between said side frames, a seat pivotally supported by the back and slidable on one of said cross bars, said seat comprising side bars and a flexible strip of material extending over the sides thereof, clamping strips securing said flexible material on the under sides of the seat side bars and said strips slidingly engaging said supporting cross bar, and stop pins on the seat for limiting the movement of the seat with respect to the frames.

2,099,499
ELECTRIC VULCANIZER
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, a corporation of Ohio
Application September 13, 1935, Serial No. 40,466
7 Claims. (Cl. 219—19)



1. In an electric vulcanizer, a shell having a relatively thick vulcanizing wall and a recess therein, a heating element for heating said wall and positioned adjacent to said wall, a switch for controlling the flow of current through said heating element and positioned exteriorly of the shell, a thermostatic element located in said recess so that said thermostatic element is substantially between the heating element and said wall, and a member of heat insulating material interposed between said heating element and said wall.

2,099,500
SAFETY FUSE
Edward Albert Sanders, Bath, England
Application February 24, 1936, Serial No. 65,517
In Great Britain May 15, 1935
2 Claims. (Cl. 200—117)

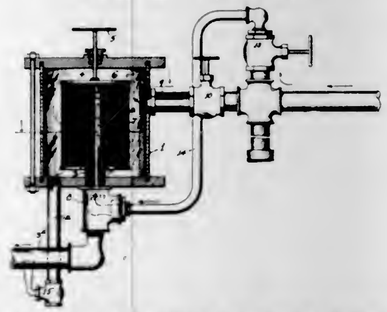


1. A protective device for a transformer having a primary circuit and a secondary circuit, said device comprising a casing of insulating material open at one side, a pair of spaced apart spring contact clips fastened within said casing for connection in the secondary circuit of the transformer, a removable cover for the open side of said casing, a rib extending inwardly from said cover, spaced contacts carried by said rib and cooperating with the spring contacts within the casing to hold the cover normally closed, a pair of spring arms carried by said rib, a fusible element extending between said spring arms and maintained tensioned and in contact with said rib carried contacts by said arms, and an electrode mounted within said casing in spaced relationship to said fusible element and for connection with the primary circuit of the transformer.

2,099,501
NITROCELLULOSE EMULSIONS AND METHOD OF PRODUCING
John K. Speicher, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 4, 1935, Serial No. 14,637
16 Claims. (Cl. 134—79)

1. The method of modifying a nitrocellulose emulsion comprising a substantially water-immiscible nitrocellulose solution emulsified as the disperse phase in an aqueous solution of an emulsifying agent, so as to enable it to dry to a clear film under conditions of high humidity, which includes adding to the said emulsion a substantially water-immiscible volatile organic liquid substantially free of non-volatile matter and characterized by having a boiling point higher than that of the lowest boiling solvent in the emulsified nitrocellulose solution, and emulsifying said added liquid in the emulsion as a second disperse phase.

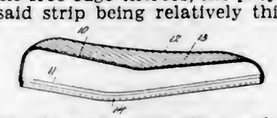
2,099,502
CLEANING DEVICE FOR STRAINERS
Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 29, 1933, Serial No. 673,504
Renewed May 15, 1935
12 Claims. (Cl. 210—167)



1. A straining device for arresting the movement of spray residue along a flowing stream of spray material comprising a housing, a pipe line for directing a stream of spray material into said housing, a closed screen member within said housing, a pipe constituting an overflow outlet for screen spray material, the overflow outlet being located wholly within said closed screening member and above the bottom thereof, a by-pass pipe line between said inlet pipe and said overflow outlet for reversing the flow of spray material through said screening member for cleaning accumulated residue therefrom, the inlet end of said by-pass pipe line entering said screening member through said overflow outlet.

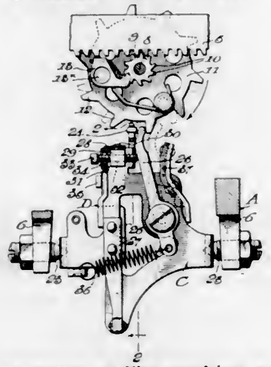
2,099,503
SADDLE AND METHOD OF MAKING THE SAME
Earl W. Swett, Alma, Mich., assignor to The Lobdell-Emery Manufacturing Company, Alma, Mich., a corporation of Michigan
Application April 30, 1936, Serial No. 77,282
1 Claim. (Cl. 155—5.23)

A saddle for cycles comprising a seating member fabricated of relatively thick metal and having the stiffness and strength necessary to support the weight of a rider, a strip of metal secured to the said seating member and projecting beyond the free edge thereof, the projecting portion of said strip being relatively thin as com-



pared with the seating member, and a covering of leather or the like extending over the seating member and having its edge stitched to said projecting portion of the strip.

2,099,504
TYPEWRITING MACHINE
Anthony Utz, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application May 1, 1936, Serial No. 77,420. Divided and this application August 27, 1936, Serial No. 98,233
3 Claims. (Cl. 197—88)

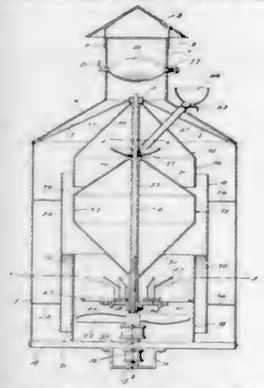


1. In a typewriter or like machine, an escapement mechanism including an escapement wheel, a dog rocker, a fixed dog and a movable dog mounted on the rocker and alternately movable into engagement with the teeth of the wheel, a flexible stop arm for the movable dog mounted on the rocker, and an adjustable stop mounted on said arm for direct contact with said movable dog.

2,099,505
SEED SEPARATOR
Morris Weaver, Fredericksburg, Pa.
Application June 16, 1937, Serial No. 148,583
2 Claims. (Cl. 209—139)

1. A pneumatic seed separator comprising a cylindrical upstanding casing open at its lower end and having a conical upper neck terminating in an open flue member, a bar extending diametrically across the lower end of said casing, an upstanding cylindrical structure in said casing supported on said bar axially of said casing and terminating short of the neck thereof, said structure comprising a lower open-ended section forming a vertical air tunnel, and a relatively larger concentric upper section forming a separator chamber above the air tunnel open at its upper end, said structure also including a pair of tapered seed discharge chutes extending from the bottom of the upper section upon opposite sides of the lower section, respectively, a cylindrical deflector mounted in said upper section of the same diameter as said lower section and supported above the latter concentrically thereof, said member having oppositely coned ends, the lower end extending partially into said lower section to deflect air

therefrom obliquely and upwardly against the inner wall of the upper section, and the upper end of said member forming a spreader for deflecting seed deposited thereon against the side wall of the upper section outwardly and downwardly, a concave circular seed distributor rotatably mounted adjacent to the upper end of said deflector member for ejecting seed deposited therein upwardly and outwardly under the action of centrifugal force, a cylindrical baffle member mounted in said casing concentrically thereof above said deflector member and having a lower skirt depending into



said upper section adjacent the said upper end of the deflector to form a narrow discharge opening around the edge of said end for the passage of seed from said end into the upper section, said baffle member having an upper conical end for deflecting seed ejected from said distributor downwardly and outwardly, a gravity feed device for depositing seed in said distributor, means for rotating the distributor comprising a rotatably mounted shaft extending upwardly through said cylindrical structure and deflector member axially thereof, and a blower fan rotatably mounted in the lower end of said air tunnel.

2,099,506

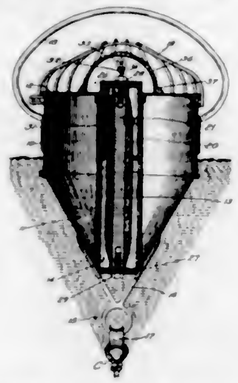
ILLUMINATED BUOY FOR MARINE SERVICE

Gunnar A. F. Winckler, Worcester, Mass., assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass., a corporation of Massachusetts

Application May 13, 1933, Serial No. 670,903

1 Claim. (Cl. 9—83)

A buoy for marine service comprising in combination an outer casing, a hollow conical end portion at the bottom of said outer casing with its apex extending downwardly, a cylindrical wall within said outer casing and concentric therewith, whereby a cylindrical chamber is formed about the vertical axis of said buoy, said chamber having insulated bars across its lower end, a sea water generator link unit located in said chamber and dimensioned to fit snugly therein, said generator unit being comprised of negative and positive electrodes, normally inoperable, nut and bolt means associated with said insulated bars for retaining said generator in place, a lamp permanently secured to the top of said generator unit and connected to the respective electrodes of said generator unit, a lens on said buoy extending over said lamp, immersion of said buoy in sea water causing the influx of water in the said chamber around the bars at the bottom of said chamber, whereby said water serves as an electrolytic link to activate said generator and energize said lamp, withdrawal of said buoy from the water causing the egress of water from said cham-



ber and consequent cessation of the action of said generator unit and deenergization of the lamp.

2,099,507

NECKTIE RACK

Jack Wright, Cleveland, Ohio, assignor of one-half to Allan M. McDarment, Cleveland, Ohio

Application July 24, 1936, Serial No. 92,437

2 Claims. (Cl. 211—106)



1. A necktie rack consisting of a piece of stiff wire or the like bent to provide a horizontal hanger member having upwardly directed bends at regular intervals and straight hanger portions between said upwardly directed bends, the ends of said piece of material having vertical portions extending upwardly from the end straight hanger portions in the plane of said upwardly directed bends and horizontal portions extending rearwardly from the upper ends of said vertical portions, and the horizontal rearwardly extending portions of said ends terminating at their rear ends in upwardly directed eyes adapted to receive screws or like fastenings for securing the rack to a vertical wall or like support, said upwardly directed bends being of elongated form to provide relatively deep hanger spaces between adjacent ones of said upwardly directed bends each adapted to receive a large number of superimposed ties.

2,099,508

RAILWAY SIGNALING SYSTEM

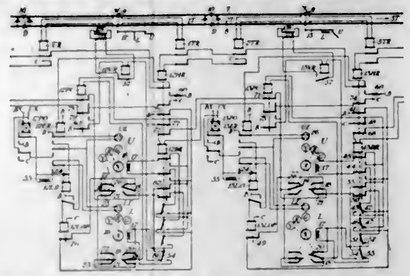
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 28, 1936, Serial No. 93,030

19 Claims. (Cl. 246—46)

1. In combination, a forward section and a rear section of railway track, a signal for the forward section controlled by traffic conditions in advance and including a pair of lamps, means effective when the rear section is occupied to light both said lamps to cause said signal to display an indication, a signal for the rear section, and means effective if the filament of either lamp is broken when both sections are unoccupied to

cause the signal for the rear section to assume a condition for displaying a more restrictive indi-



cation than such signal would be in condition for if the filaments were intact.

2,099,509

STEEL ALLOY

Edgar F. Blessing, East Orange, N. J.

No Drawing. Application November 23, 1935, Serial No. 51,224

13 Claims. (Cl. 75—126)

5. A forgeable steel characterized by being stable against demolybdenization and decarburization at its hot working temperature and by being capable of complete hardening when quenched from a temperature of 1950 to 2050° F. comprising as its principal alloying ingredients approximately 8–13% molybdenum, more than 10 but not more than 17% chromium, 0.50 to 1.25% carbon and an effective amount up to 5% of metal selected from the group consisting of vanadium, tantalum and columbium, the major portion of the remainder being iron.

2,099,510

CONDENSATION PRODUCT OF PHENOLPHTHALEIN

Edmond H. Bucy and Robert Watkins, Waukegan, Ill., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 2, 1936, Serial No. 72,289

12 Claims. (Cl. 260—2)

1. A synthetic resin consisting of the condensation product of phenol-phthalein, rosin, and a non-essential vegetable oil, said product having a melting point in the neighborhood of 85° to 90° C.

6. The process of making an amorphous condensation product of phenol-phthalein and rosin which comprises heating a mixture of phenolphthalein and rosin to a temperature in the neighborhood of 480° F., cooling the mixture to a temperature in the neighborhood of 420° F., and maintaining the temperature in the neighborhood of 420° F. until the reaction mass has become entirely clear.

2,099,511

OSCILLATOR FOR THE BIOLOGICAL TREATMENT OF LIVING TISSUE

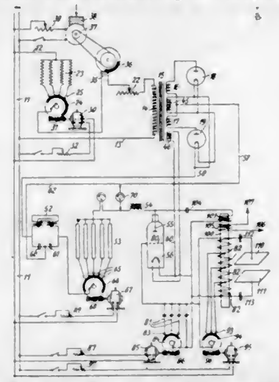
Viktor Caesar, Stuttgart, Germany

Application January 9, 1934, Serial No. 705,951

In Germany March 16, 1933

4 Claims. (Cl. 128—408)

1. In a device for biological treatment of the ultra structure of living tissue, two terminal members, one of said members being connectible to a ground and the other member being connectible to the tissue to be treated, a tube transmitter connected across said members for producing electrical oscillations, and means for feeding electrical energy to said tube transmitter; said means comprising a rectifier, a primary circuit for feeding current to said rectifier, a secondary circuit for conducting a continuous cur-



rent from the rectifier to said transmitter tube, means in said primary circuit for periodically opening and closing said primary circuit, and revolving circuit-breaking means in said secondary circuit for varying the characteristics of said oscillations.

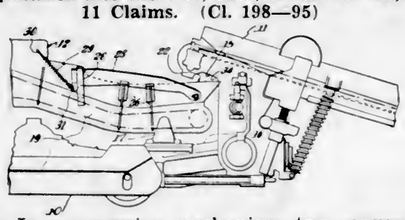
2,099,512

CONVEYER

Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application December 17, 1936, Serial No. 116,279

11 Claims. (Cl. 198—95)



1. In a conveying mechanism, two conveyers having their adjacent ends in cascade relationship, the receiving conveyer having upwardly extending walls forming a hopper, the discharge conveyer being mounted for lateral pivotal movement toward opposite sides of said hopper, and extensions extending along the sides of said hopper walls depressible by engagement with the discharge conveyer when the latter is swung to one side or the other of said hopper.

2,099,513

HYDROCARBON OIL MANUFACTURE

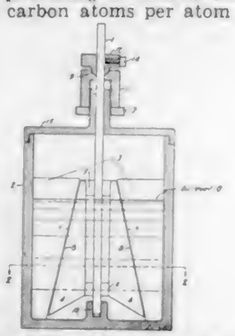
Martin de Simó and Frederick B. Hilmer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 3, 1935, Serial No. 38,991

6 Claims. (Cl. 196—13)

1. In the process of fractionally separating a mixture of non-fluid hydrocarbon polymers of different molecular weights ranging from below 1,500 to above 150,000 of the type produced by polymerizing unsaturated hydrocarbons capable of forming polymeric homologous series by means

of a polymerization catalyst of the type of boron fluoride to produce polymer fractions of relatively uniform molecular weight, the steps of dissolving said mixture in a quantity of a non-selective solvent to form a solution, subjecting said solution to repeated treatments with a series of selective oxy-hydrocarbon solvents of progressively higher oxygen content possessing 20 or less carbon atoms and 2 to 10 carbon atoms per atom of oxygen,



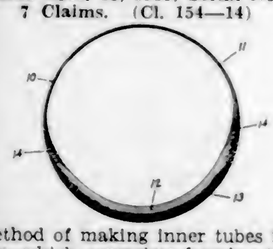
said series consisting of compounds of a single chemical class selected from the group consisting of alcohols, ketones, ethers, esters, mono-carboxy acids and phenols, each treatment being carried out under conditions to effect precipitation of polymers of relatively high molecular weights from the said solution and separating the precipitate from the solution remaining after each treatment.

2,099,514

PUNCTURE-SEALING INNER TUBE FOR PNEUMATIC TIRES

Boyd C. Eberhard, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application April 13, 1935, Serial No. 16,193
7 Claims. (Cl. 154—14)



1. A method of making inner tubes for pneumatic tires, which comprises forming tube stock having a rim-adjacent portion of vulcanizable rubber and a tread-adjacent portion of plastic material formed integrally therewith, severing a section of predetermined length from said tube stock, applying an outer tread portion of vulcanizable rubber to the tread-adjacent portion of said section, connecting the ends of said section to form an endless tube, and permanently uniting said portions and said ends to form an integral structure, said plastic material forming an inner lining for said tube adapted to flow into and seal punctures developing in said outer tread portion.

2,099,515

WATCHCASE

Harold N. Grey, New York, N. Y.

Application April 21, 1936, Serial No. 75,520
7 Claims. (Cl. 58—88)

7. In combination, a wrist watch having an outwardly extending winding crown, a supplementary watch casing therefor for transforming the same into a pocket style watch comprising a frame having an opening therein, said wrist watch having its sides enclosed by said frame



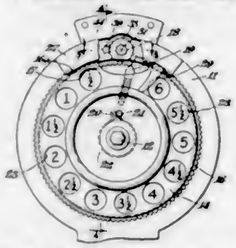
with its winding crown disposed in said opening so as to be accessible for manual operation and means for securing said wrist watch in position within said frame.

2,099,516

TIMING AND SIGNALING DEVICE

Harry Hackett, New York, N. Y.

Application August 27, 1936, Serial No. 98,152
7 Claims. (Cl. 161—23)



1. In timing mechanism, in combination, an indicating dial of vibratile material, means supporting said dial for movement from a position of rest to a predetermined position and return therefrom to its position of rest, resilient means opposing said first movement and furnishing power for said return movement, an escapement mechanism controlling said dial during the major portion of its return movement, a resiliently-held clapper, and a series of teeth formed integral with said dial and adapted as said dial nears the end of its return movement successively to engage said clapper whereby said dial is vibrated to produce an audible signal.

4. In timing mechanism, in combination, a dial having finger holes showing time-measuring indicia, a pivotal mounting therefor, a finger stop mounted in spaced relation to the finger holes in said dial and adapted to limit rotation thereof to a predetermined extent, a pinion, an escapement mechanism associated with said pinion, a set of teeth arranged and adapted to engage said pinion after predetermined rotation of said dial in one direction, and a second set of teeth formed integral with said dial and adapted during a part of the rotation thereof to strike against means secured to a stationary part of the mechanism whereby an audible signal is produced.

2,099,517

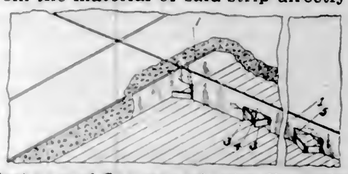
FLOOR CONSTRUCTION

Orril H. Hayes, Damariscotta, Maine

Application January 10, 1936, Serial No. 58,593
13 Claims. (Cl. 94—17)

1. A dividing strip for sectional plastic floor construction comprising a strip of flexible metal having an unbroken upper edge, a plurality of flanges struck out from the material of the strip

at its lower edge and extending laterally, obliquely in one direction and a plurality of flanges struck out from the material of said strip directly above



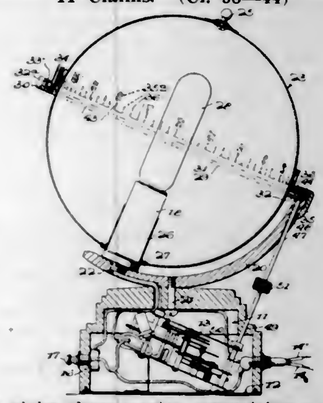
said first named flanges and extending outwardly, obliquely in an opposite direction, the distance separating the edge of said flanges being equal to the thickness of the strip.

2,099,518

GLOBE CHRONOMETER

George W. Hazlett, Muscatine, Iowa, assignor of one-half to Doctor W. W. Daut, Muscatine, Iowa

Application April 28, 1937, Serial No. 139,603
11 Claims. (Cl. 58—44)



6. A globe chronometer comprising a support, a base, an inclined socket carried by the support to receive an electric bulb, a light transmitting globe removably mounted upon the socket, a race band secured to the support and having its plane arranged substantially at a right angle to the longitudinal axis of the socket, a ring gear mounted upon the race band and having means to indicate the time, a pointer carried by the race band, driving means carried by the base, and driving connecting means between the driving means and the ring gear and arranged exteriorly of the globe.

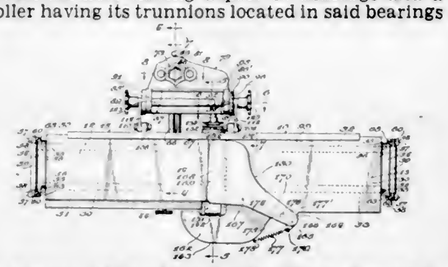
2,099,519

WOODWORKING TOOL

Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois

Application March 5, 1936, Serial No. 67,221
6 Claims. (Cl. 144—129)

1. In a wood working tool, the combination with a table section movably mounted on said base, a cutter carried by said base, said table having bores located in parts of said table extending parallel to the table top, a pair of rods, each rod being mounted in a bore in said table section, the two adjacent ends of said rods being joined by a transverse frame member located outside said table whereby said transverse frame member may be located at a point spaced from said table and supported from said table by said rods to provide an extension of said table, said transverse frame member having a pair of bearings and a roller having its trunnions located in said bearings



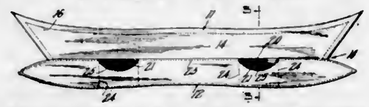
to support the work, said roller being secured in place in said bearings by the over-hanging heads of threaded members threaded into said transverse frame member.

2,099,520

COLLAR AND THE LIKE

Clara F. Hendrycy, New York, N. Y.

Application January 23, 1936, Serial No. 60,363
4 Claims. (Cl. 2—131)



1. An improvement in collars and the like comprising an article of manufacture having a ply of material of which one edge is folded to form a hem, the combination of a stiffener substantially the width of the hemmed ply so as to extend from edge to edge thereof with a part juxtaposed to said hem, said stiffener being slit inwardly at an end thereof and at a distance from the edge next the fold of the hem substantially the depth of the hem, a portion of the stiffener beyond the part thereof juxtaposed with respect to the hem being doubled on a fold line normal to the slit and hem so as to avoid an increase of thickness of the hem by the doubled portion of the stiffener.

2,099,521

BASEBALL BAT

Harold W. Herkimer and Harlan E. Holcomb, Niagara Falls, N. Y.

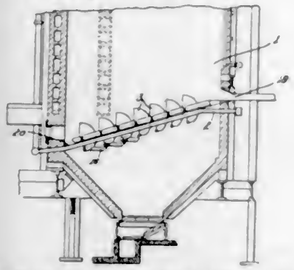
Application July 17, 1936, Serial No. 91,125
8 Claims. (Cl. 273—72)



1. A baseball bat, comprising a rigid core enclosed by a conformable envelope of sponge rubber firmly united therewith and providing a soft

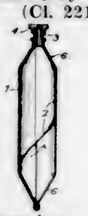
pliable ball engaging portion and a compressible cushioning hand grip, the envelope having a longitudinal slit provided adjacent one end portion for introduction of the core thereinto.

2,099,522
REFUSE BURNING FURNACE
Maurice A. Hofft, Indianapolis, Ind.
Application February 8, 1936, Serial No. 62,887
3 Claims. (Cl. 122—376)



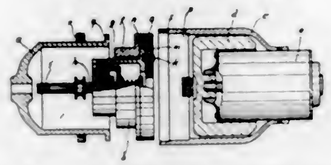
1. In a furnace, in combination, a plurality of water tubes extending longitudinally of the furnace from front to back, a plurality of grate bars, each having comparatively deep vertical side walls having notches in their upper edges to receive pusher finger trunnions and connected on their top faces by a series of cross bars and having on their inner walls transversely extending fingers, said grate bars occupying the space between said tubes and pusher fingers mounted in the spaces between said inwardly projecting fingers and having trunnions pivotally supported in the trunnion notches in the grate bars.

2,099,523
COLLAPSIBLE CONTAINER
Hubert Jezler, Zurich, Switzerland, assignor to the firm Inga Internationale Nahrungs- und Genussmittel-Aktiengesellschaft, Schaffhouse, Switzerland
Application August 22, 1936, Serial No. 97,367
In Switzerland July 23, 1936
2 Claims. (Cl. 221—60)



1. A collapsible dispensing container for pastes and liquids, including a pair of walls of dish shape having their peripheries juxtaposed and secured together, said walls being bowed in opposite directions to form a chamber, said chamber having a dispensing outlet, one of said walls being of comparatively stiff structural material to provide relatively high resistance against external pressure, and the other wall being of flexible material whereby upon the application of external pressure thereto it may be forced inwardly into substantially continuous engagement with the other wall to force out the contents of said chamber, and a rigid guard strip secured to said first mentioned wall and overlying and protecting the marginal portions of said second mentioned wall but leaving the center portion exposed for the application of pressure thereto.

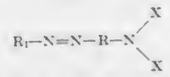
2,099,524
STARTER FOR INTERNAL COMBUSTION ENGINES
Hermann Klein, Stuttgart-Feuerbach, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application April 18, 1935, Serial No. 17,115
In Germany May 7, 1934
7 Claims. (Cl. 123—179)



1. A starter for internal combustion engines comprising in combination driving means, an inertia mass driven by said driving means, a casing enclosing said inertia mass, said driving means and inertia mass being mounted together and supported by said casing to form therewith a constructional unit, a transmission gear and clutch and a driving member for engagement with a part of the engine, and means mounting said transmission gear, clutch and driving member together as a constructional unit adapted to be inserted and withdrawn as a whole into and from said casing and a bearing bracket for said driving member secured to said casing and adapted to be connected thereto to detachably connect said units together.

2,099,525
PRODUCTION OF WATER-SOLUBLE AZO DYESTUFFS
Hans Krzikalla, Heinrich Dehnert, and Dieter Vossen, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 4, 1936, Serial No. 62,376. In Germany February 19, 1935
14 Claims. (Cl. 260—96)

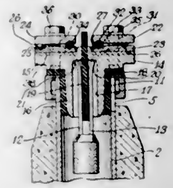
9. Azo dyestuffs corresponding to the general formula



wherein R_1 and R stand for aryl radicles and at least one X stands for an alkyl radicle to which is attached in direct combination with an alkyl carbon atom a quaternary nitrogen atom, the other X being a member of the group consisting of alkyl, cycloalkyl, aralkyl and aryl.

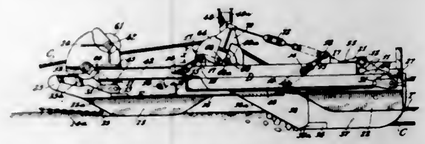
2,099,526
CONNECTER
Frederick C. Lavarack, Montclair, N. J., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application February 18, 1935, Serial No. 6,964
4 Claims. (Cl. 247—3)

1. In a connecter, in combination: a connecter head formed with a skirt having a wire receiving groove therein, a platform for the reception of a connecter plate, and a threaded cavity for the reception of a bolt; a similar but reversely arranged connecter head, each of said heads formed with a through orifice adapted for the reception of a conductor; an insulating body between the heads; means for retaining the heads and insulating body in position; a lower connecting plate resting upon the platform of each head and an upper connecting plate positioned over each lower connecting plate, each lower plate formed with an orifice for the reception of a threaded bolt, the lower plate formed with two semi-circular wire receiving grooves, and the upper plate formed with a wire receiving groove mating with one of the grooves of the lower plate



whereby a conductor may be passed through the orifice in the head, positioned in the wire receiving groove of a head, and clamped between a lower and an upper connecter plate while lying in the groove of the lower plate with the clamping bolt threaded into the threaded orifice of the head, and a conductor may be positioned in the other wire receiving grooves of the lower and the upper plate whereby electrical connection may be made between the said conductors.

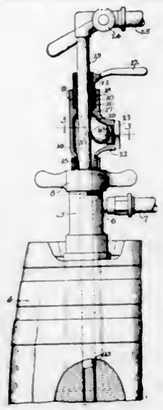
2,099,527
METHOD OF AND APPARATUS FOR LAYING SUBMARINE CABLES
Chester S. Lawton, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 20, 1937, Serial No. 126,926
19 Claims. (Cl. 61—72)



1. The method of laying a submarine cable which comprises plowing under water a trench in the bed of the body of water in which the cable is to lie, varying the depth of the trench in accordance with the ground resistance offered to the passage of the plow, and simultaneously paying out the cable toward the trench and placing it in the trench as the latter is plowed.

2,099,528
BEER TAP ADAPTER
James McAdams, Chicago, Ill.
Application September 26, 1935, Serial No. 42,205
3 Claims. (Cl. 225—3)

3. A device for the purposes set forth, comprising a valve body formed of a single casting having threads at one end for engagement with a beer tap and having a recess at the opposite end, packing in said recess, a threaded gland engaging with threads in said recess for tightening the packing, said body having a longitudinal passageway for receiving the usual tap rod, said passageway being slightly larger than the rod, a valve seat at the upper end of the passageway, integrally formed curved guides in said body, a ball valve engaging with said guides and adapted to engage with the valve seat, said body having a lateral chamber for receiving the ball valve when



in open position and having a hole in the side thereof for inserting and removing said ball valve, and a plug for closing said hole.

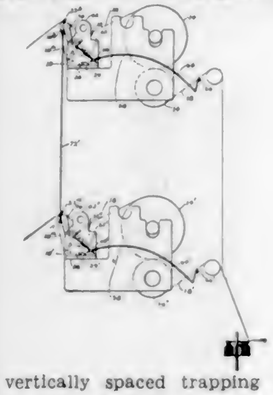
2,099,529
RECOVERY OF SULPHONIC ACIDS
Robert C. Moran, Wenonah, and Walter A. Meyer, Paulsboro, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 26, 1936, Serial No. 98,086
2 Claims. (Cl. 260—159)

1. A process for the recovery of petroleum sulphonic acid compounds of low iron content which comprises the following steps: treating a petroleum oil fraction with sulphuric acid, settling and separating from the oil the sludge so produced, adding to the sour oil a small amount of water, separating and withdrawing the resulting acid jelly, neutralizing the acid jelly with an aqueous alkaline solution, settling and separating from the mixture the aqueous solution of alkaline sulphonic compounds, substantially free of iron hydroxide and associated impurities, and salting out the alkaline sulphonic compounds from the aqueous solution.

2,099,530
SELECTIVE STRAND TRAPPING AND CUTTING DEVICE FOR USE IN STRAND DOUBLING OR TWISTING MACHINES
Henry Owens, Providence, R. I., and Samuel Bottomley, North Andover, Mass., assignors to Henry Owens & Company, Inc., Providence, R. I., a corporation of Rhode Island
Application March 1, 1937, Serial No. 128,374
22 Claims. (Cl. 117—32)

1. A device for use in a strand doubling or twisting machine having twisting ring means and a plurality of vertically spaced pairs of strand nip feed rolls and adapted to have horizontally spaced strands passing through the respective vertically spaced pairs of feed rolls comprising horizontally spaced guides for guiding respective strands to said respective feed rolls adapted to be independently pivotally mounted in rear of their respective feed rolls, individual trapping or cutting means for each strand adapted to be independently pivotally mounted in rear of their re-

spective feed rolls and connecting means extending from the respective strand guides to the re-



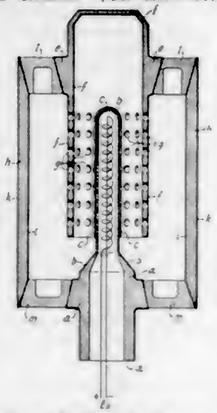
spective vertically spaced trapping or cutting means.

2,099,531

ELECTRON DISCHARGE DEVICE

Gerhard Passarge, Hamburg, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany, a corporation of Germany

Application December 5, 1936, Serial No. 114,385
In Germany November 15, 1935
1 Claim. (Cl. 250—27.5)



In an electron discharge device, an indirectly heated cathode comprising a metal coated sleeve of insulating material, a grid electrode comprising a metal coated cup-shaped ceramic member of larger diameter than and concentric with said cathode and perforated opposite said cathode, and an anode comprising a metal coated ceramic cylinder, and a ceramic ring for insulatingly sealing said cathode tube intermediate its ends in one end of said cylinder and a second ceramic ring for insulatingly sealing gas-tight said grid electrode intermediate its ends in the other end of said cylinder.

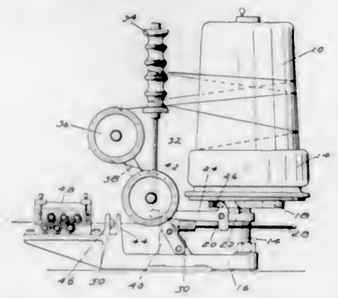
2,099,532

WIRE-HANDLING APPARATUS

Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application November 29, 1935, Serial No. 52,066
8 Claims. (Cl. 205—13)

1. A unit for feeding wire to a machine having an irregular feed and comprising a swift provided with a brake surface on its bottom and rotatable about an upright axis, a bellcrank lever pivoted below said swift and having one arm provided with a brake engageable with said brake surface and having another arm which extends beyond the periphery of said swift, a spindle carried by and extending upwardly from the end of said other arm and provided with a roller beside said swift, means acting on said bellcrank lever to urge the brake against the brake surface, the bellcrank lever being so constructed and arranged



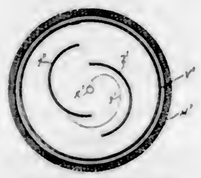
that tension on a wire unwound from the swift and passing over the roller and tending to draw the roller toward the swift will rock the bellcrank lever against the resistance of said means to withdraw the brake from the brake surface, a wire straightening device including rollers arranged to flex a section of the wire as it is drawn therethrough alternately in opposite directions, means for guiding the wire from the roller to the straightening device, and a die substantially the same size as the wire and through which the wire passes before it reaches the straightening device.

2,099,533

MAGNETRON

Dietrich Prinz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 30, 1935, Serial No. 33,827
In Germany July 5, 1934
3 Claims. (Cl. 250—27.5)



1. An electron discharge device for use at high frequencies and having an evacuated envelope containing a straight thermionic cathode for emitting electrons, means for producing an electromagnetic field parallel to and surrounding said cathode for causing an electron leaving said cathode to move in the spiral path away from said cathode, and a plurality of arcuate anodes parallel to said cathode, said anodes being spaced from the cathode a distance increasing in length in the direction of the path traveled by the electron.

2,099,534

SKYLIGHT OR FLOORLIGHT CONSTRUCTION

Joshua M. Richards, Brookline, Mass.

Application February 4, 1936, Serial No. 62,303
17 Claims. (Cl. 108—16)



1. A skylight, floorlight, or like construction having, in combination, a framework provided with an aperture, a light transmitting element for the aperture, a shield for the light transmitting element secured to the framework, insulating material surrounding the light transmitting element and covering the shield, and sealing compound surrounding the light transmitting element and overlying the insulating material.

2,099,535

COAT TIE

Morris Rosow, Philadelphia, Pa.

Application May 14, 1937, Serial No. 142,585
5 Claims. (Cl. 2—96)



1. In a device of the character described, in combination, a pair of elastic strap members of unequal length arranged in divergent relation, a terminal securing element commonly affixed to the inner convergent extremities of said members, and quick-detachable fastening elements respectively affixed to the outer divergent extremities of said members.

2,099,536

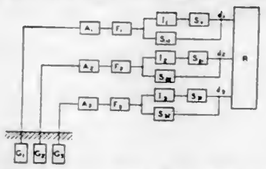
METHOD AND APPARATUS FOR SEISMIC PROSPECTING

Serge Alexander Scherbatoskoy and Jacob Neufeld, Tulsa, Okla., assignors to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Oklahoma

Application February 27, 1937, Serial No. 128,264
64 Claims. (Cl. 181—0.5)

1. The method of seismic surveying which comprises creating a disturbance below the earth's surface, receiving the several waves thus formed, translating these waves into electrical vibrations, applying the electrical vibrations to an element responsive to their magnitude and their derivative, recording the output of the said element.

23. In a system for geological surveying, means for creating a disturbance in the earth, means for translating the waves resulting from the disturbance into electrical vibrations, means for creating an electrical effect depending upon a time derivative of the magnitude of the electrical vibrations, means for recording the electric effect.



45. In combination with a geophone a filter, a derivator, means for squaring the output of the derivator, means for squaring the output of the geophone, means for producing the sum of the said squared outputs, means for recording the sum.

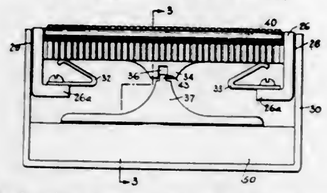
49. The method of seismic surveying which comprises creating a disturbance in the earth, and recording the rate of change of the energy derived from the disturbance.

2,099,537

RAZOR AND HAIR CLIPPER

George Philip Schmitt, New York, N. Y.

Application June 17, 1936, Serial No. 85,625
14 Claims. (Cl. 30—43)



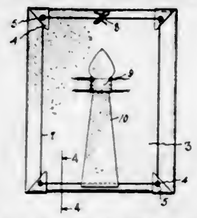
1. A shaving instrument comprising cooperable cutting members, one reciprocable with relation to the other, a support for said members, said members being jointly and freely swingable with relation to said support by skin contact, and reciprocating means for driving said reciprocating member and having an operative connection therewith constructed to maintain the operative connection in different relative positions without preventing said swinging adjustment.

2,099,538

PICTURE FRAME

Alfred H. Schultz, New York, N. Y.

Application September 9, 1936, Serial No. 99,995
9 Claims. (Cl. 40—152)



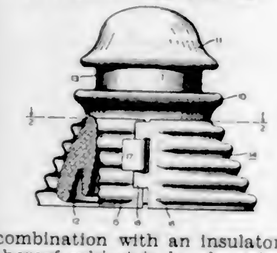
7. A device of the type described comprising a center support, a cover overlying the rear face of said support and projecting beyond the edges thereof, the projecting edges of the cover being folded over the front of the support and means for securing the edges in folded position comprising tabs formed from the folded edges and in turn folded to the back of the support.

2,099,539
STOCKING
Holly I. Shively, Chicago, Ill.
Application November 7, 1935, Serial No. 48,608
9 Claims. (Cl. 66—182)



1. In a stocking, a welt comprising a series of light weight fabric triangles and a series of heavier weight fabric triangles, the light weight triangles alternating with the heavier weight triangles, the base of each of the light weight triangles being positioned upwardly, and the base of each of the heavier weight triangles being positioned downwardly.

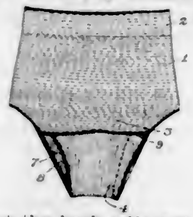
2,099,540
INSULATOR SHIELD
Donald H. Smith, Hempstead, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 10, 1934, Serial No. 724,972
8 Claims. (Cl. 173—28)



1. In combination with an insulator having a portion thereof subject to breakage by the force of impact of an object, a shield having a substantial portion thereof spaced from and extending over said breakable portion of the insulator to protect the latter from breakage, said shield being turnably mounted to cause the same to turn by the force of impact of an object glancing upon the shield whereby the shock of said impact will be partially absorbed by the turning movement of the shield.

2,099,541
ABDOMINAL BANDAGE AND SUPPORT
Rowland W. Spain, New York, N. Y., assignor of one-half to Henry J. Tully & Company, New York, N. Y., a firm composed of Henry J. Tully and Michael Tully
Application May 19, 1936, Serial No. 80,495
2 Claims. (Cl. 2—41)

1. An abdominal bandage and support comprising a step-in body formed of elastic webbing having its greatest elasticity and resiliency circumferentially, said body having the lower edge substantially straight across the front and from the straight portion inclined upwardly on each side to the center of the back so as to present a comparatively narrow back supporting band and a wide front abdominal support extending between the hips and down to near the crotch, a crotch member having its front end secured to said straight portion with the front end substantially as wide as said straight portion is long, and a pair of diverging elastic members connected respectively to the rear end of said crotch member and to the lower edge portion of said body at



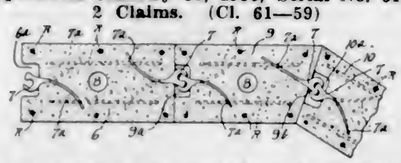
spaced points at the back adjacent the opposite sides of the body for pulling diagonally, rearwardly and downwardly on the side portions of the body for causing a constriction of the lower front part of that portion of the step-in body which extends down to near the crotch for uplifting and supporting the abdomen of the user, and means for securing one end of said diverging elastic members to the lower read edge portion of said body.

2,099,542
INTERLOCKING STEEL SHEET PILING
Edwin Fenton Stevens, St. Paul, Minn.
Application January 31, 1936, Serial No. 61,711
1 Claim. (Cl. 61—58)



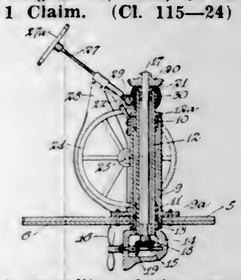
Interlocking double walled metal piling comprising a plurality of interconnected pile sections, each section comprising a pair of long channel-like members having central webs closely spaced from each other and each member having outwardly diverging side webs, said side webs terminating in continuous edge interlocking elements and means securing together the central webs of the pair in closely spaced parallel relation.

2,099,543
CONCRETE INTERLOCKING PILING
Edwin Fenton Stevens, St. Paul, Minn.
Application January 31, 1936, Serial No. 61,713
2 Claims. (Cl. 61—59)



1. Concrete piling comprising a plurality of elongated concrete pile members of polygonal cross-sectional shape, a pair of interlocking elements for each of said members, each of said interlocking elements having a series of anchoring prongs projecting from the inner side thereof, some of said prongs being bent to one side and some to the other side at different levels, said interlocking elements being associated with respective faces of said member and extending longitudinally thereof, the anchoring prongs of said interlocking elements being embedded in said member, one interlocking element of one member being engageable with an interlocking element of a second member to lock said members together in parallel relation.

2,099,544
BOAT PROPELLING DEVICE
Bogoia Strezoff, Minneapolis, Minn.
Application August 20, 1936, Serial No. 96,992
1 Claim. (Cl. 115—24)



In a boat propelling device, an upstanding mounting adapted to be secured to the bottom of a boat, a hollow casing rotatably mounted within said mounting and extending through the bottom of said boat, a propeller mounted for rotary movement on a horizontal axis, and secured for movement with said hollow casing on a vertical axis, a vertical propeller driving shaft extending upwardly through said hollow casing and said mounting, a power gear mounted beside the exterior of said mounting, a crank shaft for driving said power gear, said hollow casing extending upwardly through said mounting, said vertical drive shaft extending upwardly to a point above said hollow casing, gearing connecting said vertical drive shaft with said power gear, a steering column, gears connecting said steering column to said hollow casing, and a power gear guard element covering at least a portion of said gear, said guard element having a portion extending therefrom, and said extending portion constituting a journalled supporting brace for said steering column.

2,099,545
BELT
Austin A. Teisher and Gordon I. McNeil, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application February 8, 1935, Serial No. 5,553
3 Claims. (Cl. 74—231)

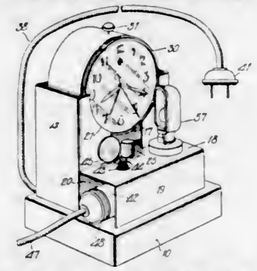


1. A belt comprising a layer or layers of load-carrying cords of alternately opposite twist to effect a balanced running structure, said cords being embedded in rubber, and an envelope of straight cut rubberized fabric surrounding the cords, said envelope being of balanced construction insuring straight running of the belt in use and having longitudinally extending cords of alternately opposite twist.

2,099,546
TREATMENT OF RUBBER
Herman R. Thies, Stow, and George R. Lyon, Akron, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1936, Serial No. 92,014
19 Claims. (Cl. 260—1)

1. The method of producing condensation derivatives of rubber which comprises treating a rubber cement with a condensation agent, terminating the reaction of the condensing agent on the rubber without separating the resulting rubber derivative from the cement and then filtering the reacted cement to remove insoluble impurities.

2,099,547
ALARM CLOCK DEVICE
Richard Varley, New York, N. Y.; Edith Agge Varley executrix of said Richard Varley, deceased
Application October 17, 1935, Serial No. 45,392
15 Claims. (Cl. 58—19)

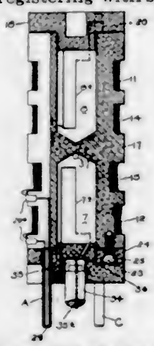


1. An apparatus of the class described comprising in combination a primary time alarm device including an alarm setting and shut-off mechanism, a secondary alarm means having a less periodicity than said primary alarm device, manually actuated control means for rendering said secondary alarm means operative and inoperative, means operable by the manual actuation of the shut-off mechanism from set to "off" position for actuating said control means to operative position to sound said secondary alarm means, and releasable obstructing means for preventing operation of said manually actuated control means when the latter is in operative position.

2,099,548
APPARATUS FOR TESTING GASES
Louis L. Vayda, Aspinwall, and Raymond H. Rossomme, Wilkinsburg, Pa., assignors to Bacharach Industrial Instrument Company, a corporation of Pennsylvania
Application December 4, 1936, Serial No. 114,208
3 Claims. (Cl. 23—255)

1. In apparatus for analyzing gas which includes a Wheatstone bridge electrical circuit comprising a plurality of resistance coils, an indicator and a pair of balanced resistance wires, one of which is a catalytic agent, a spool of insulating material, upon which said resistance coils comprising legs of the bridge are wound, which is hollowed out so that the walls thereof form two separate chambers, one of which has an outlet opening and contains the catalyzing wire and the other of which contains the other member of the pair of wires, a cap at one end of the spool having an inlet passage therethrough leading to the chamber containing the catalyzing wire, and provided with a plurality of socket pins having electrical connection with said resistance coils and

said wires, and a support provided with sockets for receiving said pins in electrical connection with said circuit and provided with a passage for gas to be tested registering with said inlet passage



through the cap, so that the passage for the gas is connected to the inlet passage when the pins on the cap are plugged into their sockets in the support.

2,099,549

BALL AND SOCKET COUPLING

Edgar E. Watson, Waterloo, Iowa, assignor to The Metalectric Corporation, Waterloo, Iowa, a corporation of Iowa

Application April 14, 1937, Serial No. 136,768

6 Claims. (Cl. 280—33.15)



6. In a connection of the character described, the combination of a socket block provided on its interior with a curvedly walled socket recess having an aperture communicating therewith, a plurality of connecting elements each provided with a head having a convexly curved exterior surface adapted to swivel upon the curved surface of the socket recess, and a dished inner surface, and the heads being adapted when in closely adjacent relation with their dished surfaces presented inwardly to be inserted through the aperture in the socket block and adapted thereafter to be spread to enlarge the space afforded between their dished surfaces, and a locking member adapted to be inserted to lie within the enlarged space thus afforded and configured to thereafter permit the heads to be turned within the curvedly walled socket recess to a position to embrace the locking member and prevent its removal and to likewise prevent removal of the heads of the connecting elements from the socket recess while the locking member is in place, the locking member thus positioned holding the heads in swiveling relation to the socket recess.

2,099,550

ANTIRACHITIC VITAMIN

Adolf Windaus, Goettingen, and Friedrich Schenck, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 5, 1937, Serial No. 129,188. In Germany March 20, 1935

11 Claims. (Cl. 260—153)

1. Antirachitically activated 7-dehydrocholesterol.

2,099,551

ELECTRICAL SWITCH CONTACTS

Lyall Zickrick, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

No Drawing. Application May 20, 1937, Serial No. 143,762

5 Claims. (Cl. 200—166)

1. A switch contact containing about 1 to 10% lead, about 12 to 27% cadmium, the remainder consisting substantially of metal from the group silver and copper.

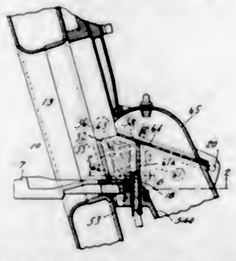
2,099,552

STOKER

Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Inc., a corporation of Delaware

Application August 21, 1934, Serial No. 740,746

3 Claims. (Cl. 110—101)



1. In combination, a furnace having a wall with a firing opening therein, a stoker feed conduit extending toward said firing opening, said conduit being made of a material having a high aluminum content, the discharge end of said conduit terminating short of said wall opposite said firing opening, filler pieces joining the marginal edges of said firing opening and the discharge end of said conduit, insulating material between the adjacent surfaces of said filler pieces and said wall and insulating material between the adacent surfaces of said filler pieces and said conduit.

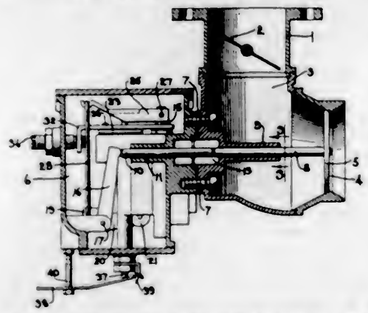
2,099,553

CARBURETOR

Edward G. Atkins, Jackson, Mich., assignor to E G A Carburetor Co., Jackson, Mich., a corporation of Michigan

Application October 9, 1933, Serial No. 692,774

12 Claims. (Cl. 261—50)



1. In a carburetor, the combination of a fuel reservoir, a connection leading from said reservoir to a source of liquid fuel supply, means for maintaining a constant liquid fuel level, less than full, in said reservoir; a main air passage leading to the intake of an internal combustion engine, spring valve means, leading from atmospheric pressure to the main air passage, said main air passage having a cross sectional area capable of delivering the maximum requirements of the engine; a fuel conduit to the main air passage communicating with the fuel reservoir below the liquid level therein through a port, said port supplying the major portion of the fuel, a branch passage of restricted cross sectional area leading from said fuel conduit to the fuel reservoir above the liquid level therein, said fuel conduit and branch passage being so dimensioned and positioned relative to each other and to the main air passage as to cause the pressure reduction within the main air passage to be directed more to said port than to the space above the liquid level for the purpose described.

10. In a carburetor, the combination of an air admission valve arranged to actuate a fuel admission valve, a spring for normally holding said air valve to its seat and against which said air valve acts throughout its travel, means constituting a leverage between said air valve and spring through which the action of the latter is transmitted to said air valve, said means being so shaped and located with said air valve closed that the effective leverage between the valve and spring is increased as the valve opens to compensate for the increase in the resistance in said spring.

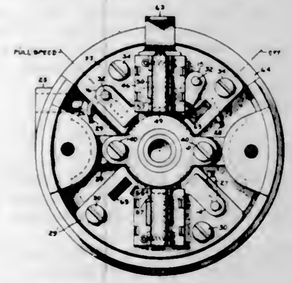
2,099,554

SHIFTABLE BRUSH RIGGING

Robert F. Bean, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application March 16, 1937, Serial No. 131,195

14 Claims. (Cl. 171—323)



14. In combination, a dynamo-electric machine having an end shield, an arcuate slot formed in the edge of said end shield, a brush rigging comprising an electrically conductive element insulated from and mounted on said end shield, a mounting member rotatably supported on said end shield and having an opening therein, said mounting member having a projection thereof extending beyond the periphery of said end shield through said slot therein constituting an adjusting handle, a plate of electrically insulating material formed with an opening therein and secured to said mounting member, and a brush holder including an electric contactor extending through said opening in said mounting member into engagement with said electrically conductive element and being provided with a clamping element having a lug formed thereon extending through said opening in said insulating plate and arranged in clamping engagement therewith.

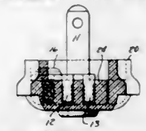
2,099,555

ELECTRICAL CONNECTER

George B. Benander, Yalesville, Conn., assignor, by mesne assignments, to The Monowatt Electric Corporation, Bridgeport, Conn., a corporation of Connecticut

Application October 12, 1929, Serial No. 399,126

10 Claims. (Cl. 173—361)



7. An electrical fitting comprising a contact member of sheet metal having two spaced prongs and a body of non-yielding, non-frangible insulating material having recess means therein to receive the prongs, the end walls of said recess means being spaced apart a distance slightly less than the overall width of the spaced prongs, the prongs being incapable of easy insertion into the recess means but capable of yielding slightly upon being forced into the same, whereby after having been forced therein, they are effectively held against removal.

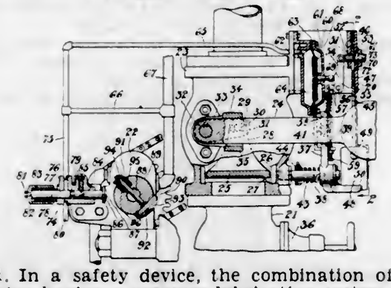
2,099,556

SAFETY DEVICE FOR ENGINES

Allan O. Carpenter, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 23, 1936, Serial No. 102,079

4 Claims. (Cl. 137—140)



1. In a safety device, the combination of an engine having a pressure lubricating system and a conduit for conveying power medium to the engine, of a valve to cut off the flow of power medium to the engine and having a lever, actuating means movable by gravity against the lever for closing the valve, a movable support for the actuating means, pressure responsive means subjected to the pressure of the lubricant for normally maintaining the movable support in engagement with the actuating means, means acting responsively to a decreasing pressure in the lubricating system to move the support out of supporting position to enable the actuating means to close the valve, and means acting in response to a predetermined maximum speed of the engine to cause operation of the last mentioned means.

2,099,557

BOTTLE VENDING MACHINE

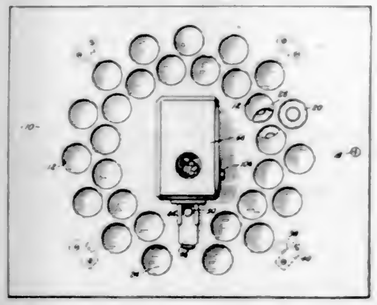
Frank De Mayo, Jr., Kansas City, Mo., assignor to Vendo Sales Company, a corporation

Application August 29, 1936, Serial No. 98,491

12 Claims. (Cl. 312—36)

1. A vending machine of the character described comprising a case; means for holding a

plurality of bottles arranged in an annular path within the case; a stationary plate, provided with openings, in alignment with the bottles, forming one side of the case; a movable plate having apertures therethrough, supported by the stationary plate and disposed between the bottles and said stationary plate; and mechanism, sup-



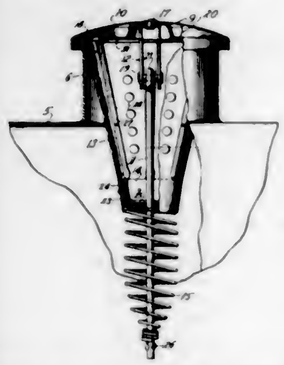
ported by the stationary plate, for moving the movable plate to bring one of its apertures into register with one of the openings of the stationary plate, the remaining openings of the stationary plate being closed by the movable plate while one of its apertures is in register with one of the openings of the stationary plate.

2,099,558

DEVICE FOR CLOSING FILLING OPENINGS OF LIQUID CONTAINERS

Henry G. Dibelka and John D. Cramer, Chicago, Ill., assignors to The Norlipp Company, Chicago, Ill., a corporation of Illinois

Application April 25, 1932, Serial No. 607,332
8 Claims. (Cl. 220—86)



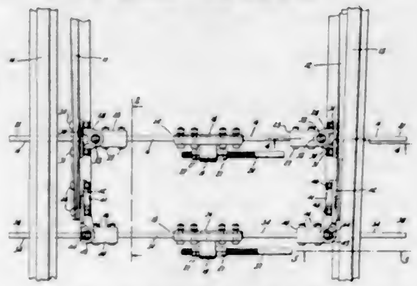
8. A device for closing the filling opening of a liquid container comprising, in combination, an anchor assembly adapted to be positioned on the interior of the container, said assembly including a plurality of resilient strip members arranged around the filling opening in position to permit free passage of liquid into the container while affording obstruction to introduction of a siphoning means therein, a cover cap provided on its under face with a centering flange for engaging in the filling opening, a supporting member adapted to depend from the under face of said cap through the filling opening into the container, and means interposed between said anchor assembly and said supporting member for yieldingly pressing said strip members upwardly against the walls of the filling opening.

2,099,559

RAILWAY SWITCH

Samuel L. Eastburn, Sloatsburg, and Charles Banker, Hillburn, N. Y., assignors to Ramapo Ajax Corporation, New York, N. Y., a corporation of New York

Application December 7, 1934, Serial No. 756,446
6 Claims. (Cl. 246—452)



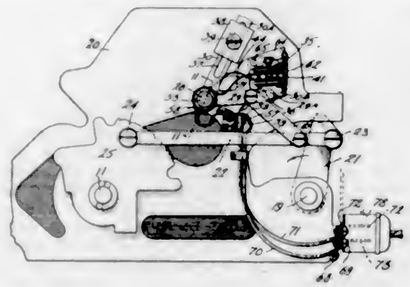
1. In a railroad switch having a stock rail and a switch point cooperating therewith, a clip comprising a flange bolted to said switch point, said flange having a laterally projecting bearing portion open at the bottom thereof, a horizontally extending vertically positioned, flat tie rod passing under said switch point and stock rail, a dog having depending side flanges forming a vertical recess enclosing said rod, fastening devices passing through said side flanges and rod, said dog having an upwardly projecting journal portion fitting within said bearing portion, and a swivel bolt centrally passing through said journal portion and bearing portion, said journal portion extending in above the edge of the switch point base, whereby the dog cannot drop from position even though the swivel bolt breaks.

2,099,560

GOVERNOR FOR ELECTRIC MOTORS

Jerome A. Fried, Ithaca, N. Y., assignor to Allen Wales Adding Machine Corporation, Ithaca, N. Y.

Application July 16, 1934, Serial No. 735,324
14 Claims. (Cl. 200—52)



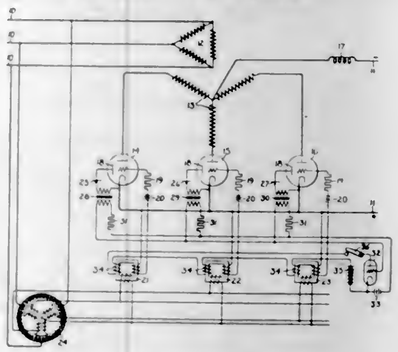
1. A governor for an electric motor with an electric operating circuit comprising, a mechanism adapted to be driven by said motor in a given cycle, an operating element, means connecting said mechanism to said element for oscillating said element about a fixed axis, a plurality of cycles for each cycle of operation of said mechanism, an inertia element mounted for oscillation solely about the same fixed axis and separately of said operating element in a path approximately parallel to that of said operating element, resilient means connecting said inertia element to said operating element and urging said inertia element about said axis into contact with said operating element for normal oscillation therewith about said fixed axis, but with said inertia element free to lag when its inertia is sufficient to overcome the tension of said resilient means, and switch means connected to said elements and operable automatically to open position upon a lagging of said inertia element upon said fixed axis, whereby when said switch means is connected in series with said motor in said circuit, a lagging of said inertia element on said axis will cause a decrease in the speed of said motor.

2,099,561

ELECTRIC VALVE CONVERTING APPARATUS

Rolland C. Griffith and Burnice D. Bedford, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application November 25, 1933, Serial No. 699,758
Renewed June 12, 1937
7 Claims. (Cl. 175—363)



1. In combination with a vapor electric valve converting apparatus comprising an anode, a cathode, a control electrode, and a conductive member in contact with the ionized vapor of the apparatus, a saturable control transformer for exciting said control electrode to control the energy transmitted by said apparatus, and means responsive to the potential between said conductive member and said cathode for varying the saturation of said transformer to control the energy transmitted by said apparatus.

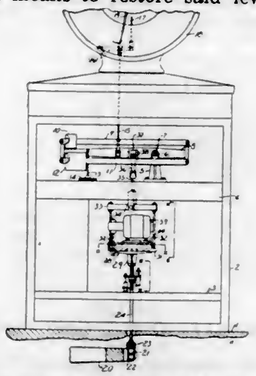
2,099,562

DEVICE FOR MAINTAINING THE CONDITION OF LEVEL OF SUPPORTS

Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey

Application January 16, 1936, Serial No. 59,388
6 Claims. (Cl. 265—27)

1. In a device of the class described, in combination, a load-supporting lever, load-counterbalancing mechanism, means connecting said lever to said load-counterbalancing mechanism, and automatic means for changing the length of said connecting means to restore said lever to sub-



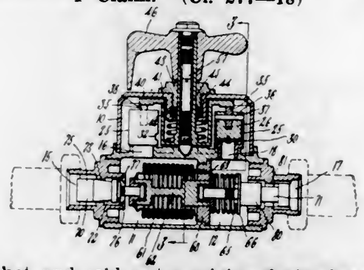
stantially its original position as such load-counterbalancing means is displaced under load.

2,099,563

PRESSURE RESPONSIVE MIXING VALVE

Francis L. Henning, Boston, and George W. Bezanson, Winchester, Mass.; said Henning assignor to said Bezanson

Application February 11, 1935, Serial No. 5,976
1 Claim. (Cl. 277—18)



A hot and cold water mixing device having a passage for cold water and a passage including a valve chamber for hot water, a valve in said chamber, and a cylindrical bellows having an end head connected to said valve for actuation thereof, one surface of said end head being exposed to said hot water passage on the discharge side of said valve, the other surface of said end head being exposed to said cold water passage, said valve having a poppet portion adapted to seat at the discharge end of said chamber movable to close said hot water passage tightly and a tapered portion toward the inlet end of the chamber movable to reduce the flow gradually and substantially to close the passage before the poppet portion reaches its seat.

2,099,564

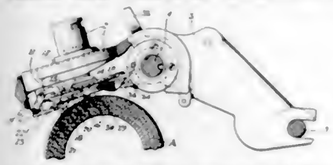
PHONOGRAPH

Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application September 15, 1934, Serial No. 744,111
10 Claims. (Cl. 274—34)

6. In a phonographic sound box including a recording stylus adapted to traverse and engrave a groove on a record tablet, and a reproducer stylus, said styli respectively having operative and inoperative positions with respect to said record tablet, the combination of; a reproducer stylus biasing weight, and means to support said weight in predetermined position with respect

to said record tablet when said reproducer stylus is in inoperative position, said means comprising a contact member adapted to glide on the record tablet and resiliently mounted on said



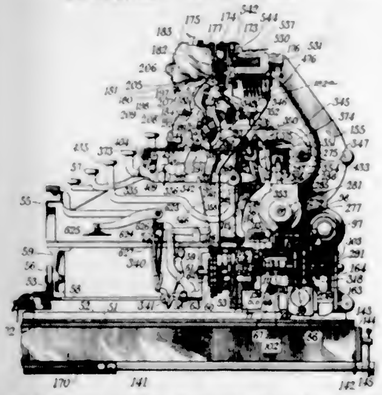
weight, said member being positioned behind said recording stylus with respect to the normal direction of movement of said stylus across the record tablet.

2,099,565

TYPEWRITING AND CALCULATING MACHINE

Alfred G. F. Kurowski, Brooklyn, N. Y., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application August 31, 1933, Serial No. 687,547
23 Claims. (Cl. 235—59)



1. In a power driven writing-calculating mechanism, the combination with a totalizer; a series of devices to differentially actuate the totalizer; a series of type bars; actuators individual to the differential devices to actuate the latter; a driving element common to the actuators; and normally idle couplers to connect selected actuators with the driving element for operation; of selectively operable manipulative means, each such means including a manually operable lever, and a type bar lever connected with its type bar; coupler-adjusting means shiftable relatively to the actuators and the manipulative means by the manually operable levers; the type bar lever being driven by the actuator to actuate the type bar; and means adjustable to connect and to disconnect the manually operable lever and the type bar lever, and to render effective and ineffective the connection between the manually operable lever and the coupler-adjusting means.

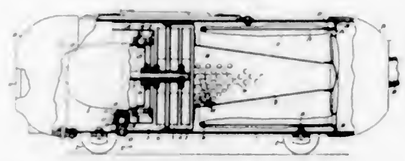
2,099,566

VACUUM CLEANER

Henry T. Lang, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio, a corporation of New York

Application September 18, 1936, Serial No. 101,461
5 Claims. (Cl. 230—117)

1. In a vacuum cleaner of the type having the suction producing and dust separating means located within an enclosing casing, a cylindrical casing, a fan discharging peripherally to the casing, a shroud ring within the casing and spaced therefrom to provide an annular passage therebetween for the axial discharge of air from the fan, an electric motor for driving the fan



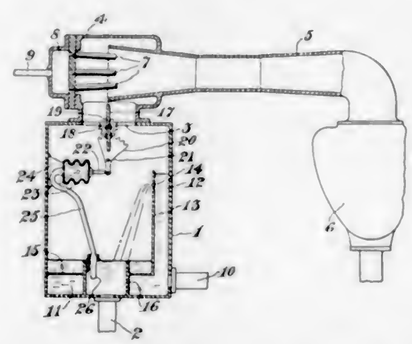
extending axially within said shroud ring, and means for resiliently supporting the motor from the casing including a resilient means arranged between the motor and the shroud ring whereby said resilient means is out of the path of the air discharged from the fan.

2,099,567

REFRIGERATING APPARATUS

John A. MacLean, Hampton, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application August 15, 1935, Serial No. 36,372
3 Claims. (Cl. 62—152)



3. Refrigerating apparatus comprising an evaporator tank having an evaporation compartment therein, a reservoir in the tank, means defining an outlet recess for the tank passing through the reservoir, and means in the tank for delivering the contents of the reservoir to the evaporation compartment.

2,099,568

REACTANCE ELEMENT CONTROL

Friedrich Metzger, Berlin-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application December 6, 1935, Serial No. 53,263
In Germany December 15, 1934
7 Claims. (Cl. 172—246)

1. In combination, an alternating current circuit having a potential of varying wave form, a capacitor, a circuit breaker for connecting said capacitor in shunt to said circuit, means responsive to the current in said capacitor for controlling

the opening of said circuit breaker, and means responsive to harmonics in the potential of said cir-



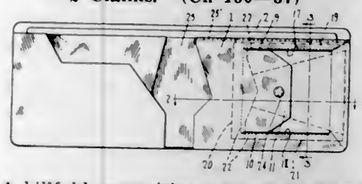
cuit for varying the current setting of said circuit breaker.

2,099,569

BILLFOLD

Louis A. Mueller, Springfield, Ohio, assignor to The Springfield Leather Products Company, Springfield, Ohio, a corporation of Ohio

Application November 25, 1935, Serial No. 51,432
2 Claims. (Cl. 150—37)



1. A billfold comprising an outer wall having its bottom longitudinal edge and one transverse edge folded back upon itself, an inner wall including an integral body portion, spaced parallel legs, and a flap lying between said legs and independently thereof and connected to the body portion, an inner coin pocket wall sewed to said inner wall inwardly of the flap, a front coin pocket wall having its sides pleated to define side pocket walls, the edges of said coin pocket walls being extended beyond the pleats, one of said legs being folded over the outer edges of the inner and front pocket walls, the inner edges of said pocket walls being received between the folded longitudinal edge of the outer wall, and stitching connecting said edges together.

2,099,570

COATINGS

John D. Murray, Chicago, Ill., assignor to Murray Liquafilm Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 22, 1934, Serial No. 749,483
8 Claims. (Cl. 134—17)

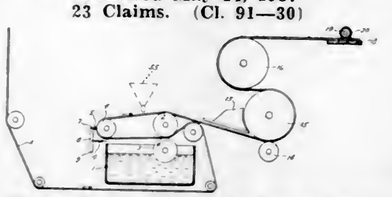
1. That method of making a coating material which comprises heating a mixture made up of cellulose material selected from the group consisting of cellulose xanthate and cellulose acetate and cellulose nitrate and cellulose phthalate, and ethyl cellulose and benzyl cellulose, together with unsaturated oil selected from the group consisting of castor oil and soya bean oil and Chinawood oil and Perilla oil and sunflower oil and cottonseed oil and corn oil and linseed oil, blowing air through the mixture until at least the major part of the cellulose material and the unsaturated oil have combined, and dissolving the blown mixture in a solvent.

2,099,571

METHOD AND MEANS FOR MAKING A COVERING FOR SURFACES EXPOSED TO THE WEATHER

Winfred H. Outman, Richmond, Calif., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

Application May 29, 1931, Serial No. 540,846
Renewed May 14, 1937
23 Claims. (Cl. 91—30)



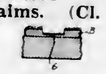
1. The process of treating a sheet of covering material having upon its surface a coating of adhesive material which comprises moving said sheet in the direction of one dimension of its surface, forming channels in said coating extending in the direction of the motion of the sheet, feeding granular material toward said channels, and so adjusting the rate of feed with respect to the rate of movement of the sheet and the width of the channels that the granular material substantially covers the surface of the channels without appreciable deposition upon the surface of the coating adjacent the channels or of excess of said material in the channels.

2,099,572

COVERING FOR SURFACES EXPOSED TO THE WEATHER

Winfred H. Outman, Richmond, Calif., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

Original application May 29, 1931, Serial No. 540,846. Divided and this application April 30, 1936, Serial No. 77,091
12 Claims. (Cl. 108—7)



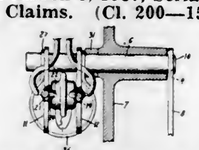
1. A covering material comprising a sheet having a depression of defined width formed in a face thereof, and granular material in said depression and susbtantially covering only the surface thereof, said depression and the granular material therein demarking the area of the covering adjacent the depression.

2,099,573

ELECTRIC SWITCH

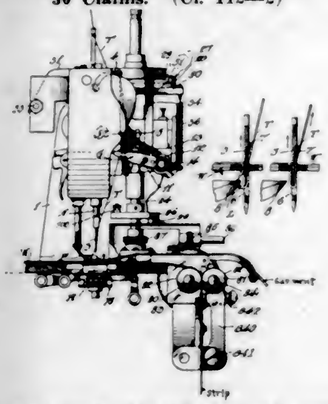
Carl P. Pepper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application March 3, 1937, Serial No. 128,809
9 Claims. (Cl. 200—152)



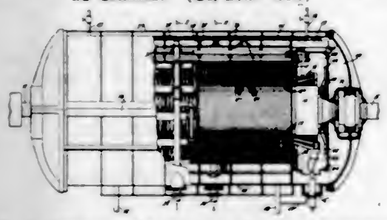
1. In an electric switch, a liquid contact circuit closer having opposed terminals, a shaft, spaced plates on said shaft having contacts adapted to engage said terminals, and a bail having its ends connected to said shaft and its center portion engaging said plates for clamping the plates together whereby the circuit closer is held therebetween.

2,099,574
SLIP STITCH SEWING MACHINE
Herman Rosenman and Leo Roseman, Newark, N. J.
Application April 19, 1935, Serial No. 17,160
30 Claims. (Cl. 112—2)



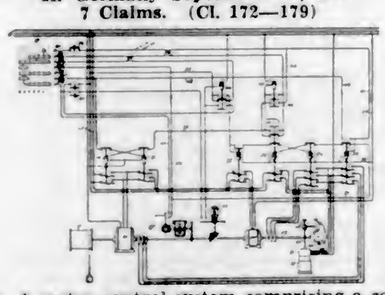
1. In a machine of the character described the combination with work feed mechanism and stitch forming mechanism including a reciprocating needle and a loop taker operable in timed relation for forcing a thread through a piece of work forming a loop in the thread at one side of the work and interlocking another thread through said loop to normally form a line of stitches, of means to grip the needle thread, and means operable in timed relation to the movement of the needle thread by the needle to actuate said gripping means automatically into gripping relation to the thread at intervals, and means for actuating said gripping means in timed relation to the movement of the needle thread by the needle to exert tension on the thread as the needle rises from work penetrating position to prevent formation of loops.

2,099,575
DYNAMO-ELECTRIC MACHINE
Marion A. Savage, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 24, 1936, Serial No. 86,964
13 Claims. (Cl. 172—252)



13. A dynamo-electric machine comprising a rotatable member, a frame of longitudinally spaced annular members connected together by circumferentially spaced longitudinally extending tie members attached to the inner and outer peripheries of said annular members, a stationary member supported in said frame and surrounding said rotatable member, a winding in said stationary member having end portions extending beyond the ends of said stationary member, a housing spaced from and enclosing said frame, cooling pads located between and in heat conductive engagement with longitudinally spaced sections of said stationary member in sectors defined by the tie members of said frame and dimensioned to pass between the members of said frame and to and from said winding without interfering with said frame or said winding, said pads in the central portion of said stationary member being spaced from said sections to form passageways in the side walls of said stationary member, and said pads in the ends of said member co-operating with said sections to form imperforate side walls at the ends of said stationary member, means for connecting groups of said pads in series with one another, means for circulating a cooling fluid through each of said groups of pads, the arrangement of said cooling pads relative to one another and to the direction of flow of cooling fluid through said pads being correlated to produce a substantially uniform cooling effect in said stationary member, and means within said housing for circulating a cooling gas between said stationary and rotatable members through said passageways in the central portions of said stationary member and over the end portions of the winding in said stationary member.

2,099,576
CONTROL SYSTEM
Carl Schiebeler, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
Application August 18, 1936, Serial No. 96,620
In Germany September 20, 1935
7 Claims. (Cl. 172—179)



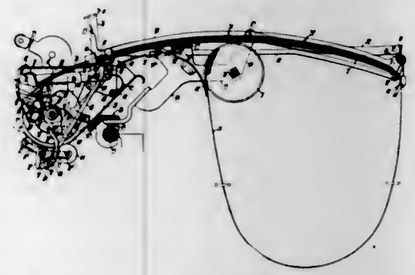
1. A motor control system comprising a source of voltage, an electric motor supplied from said source, a mechanical brake for said motor biased to braking position, an electro-hydraulic brake operating mechanism energized from said source for releasing said brake, and means responsive to an operating condition of said motor for disconnecting said electro-hydraulic brake operating mechanism from said source and energizing it from a voltage dependent upon the speed of said motor thereby to produce a braking force varying in accordance with the speed of said motor.

2,099,577
ARCH SUPPORT PAD
Myer S. Silver, Brookline, Mass.
Application July 30, 1936, Serial No. 93,455
5 Claims. (Cl. 36—71)



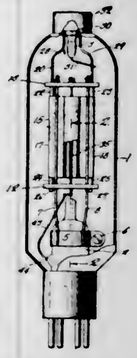
1. An arch support pad comprising a body portion of resilient, soft sponge rubber having a thin peripheral edge and a top layer of felt material of uniform thickness, said top layer being of slightly less area than the area of the top surface of said body portion and having its peripheral edge enclosed by the marginal portion of said body portion.

2,099,578
TYPEWRITING MACHINE
Burnham C. Stickney, Hillside, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 21, 1933, Serial No. 694,585
38 Claims. (Cl. 197—131)



5. In a typewriting machine, the combination with a revoluble platen, of a collating-table having a side gage and extending rearwardly from the delivery side of the platen, a front sheet-gage movable into and out of effective position upon the upper part of the platen; a supply of carbon-web mounted adjacent the collating-table, and a sheet-clip carried by the platen and closable upon the forward edges of the gaged sheets, the carbon-web hanging in a loop under the rear of the collating-table, said carbon-web supply being mounted under said collating-table between the front and rear ends thereof.

2,099,579
VACUUM TUBE
Warren G. Taylor, Chicago, Ill.
Application July 9, 1936, Serial No. 89,781
9 Claims. (Cl. 250—27.5)



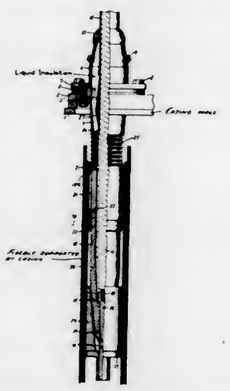
7. The tube of claim 6 wherein leads sealed in said first press are connected to said cathode, a lead sealed in said first stem remote from said first press is connected to said grid, and wherein a lead sealed in said second press is connected to one of the anode supporting rods.

2,099,580
SWITCH HANDLE
Fred H. Travers, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application January 25, 1936, Serial No. 60,866
6 Claims. (Cl. 287—53)



1. A handle comprising a body of insulating material having a cavity therein, and means for connecting said handle to a member to be operated thereby including a metal member having a prong pressed into said cavity and frictionally held therein by engagement of the edges of the prong with the cavity, said prong having an arch-shaped portion so that the compressive forces exerted on the edges of the prong tend to flex the prong intermediate its edges.

2,099,581
TERMINAL FOR LEAD COVERED CABLES
Harold R. Turner, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 6, 1935, Serial No. 9,629
6 Claims. (Cl. 173—353)

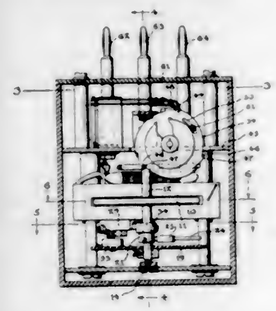


1. In combination, a casing having an opening in a wall thereof, a housing supported by the casing and having a portion extending through the opening into the casing, a cable comprising an insulated conductor extending through the housing into the casing, the inner end of said conductor being unrestrained as to longitudinal movements, a sheath for the cable terminating within the housing and secured to the outer end thereof, a tubular insulator located wholly within the casing in spaced relation to the inner end of the housing, said conductor extending through said insulator, a metallic terminal rigidly secured to the conductor and forming a support for the inner end of the insulator, and a tubular flexible member surrounding the conductor, said member being connected at its inner end to the tubular insulator and at its outer end to the portion of the housing located within the casing.

2,099,582
BRAZING FLUX
Irving R. Valentine, Erie, Pa., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 7, 1935, Serial No. 5,500
6 Claims. (Cl. 148—26)

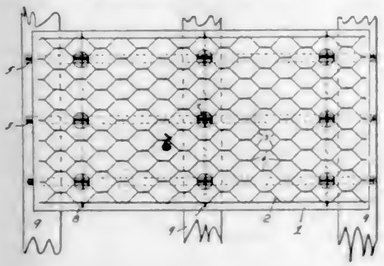
4. A flux consisting of a mixture of an acid fluoride of an alkali metal and boric acid with or without water.

2,099,583
FLASHER MOTOR UNIT
Sidney C. Vincent and Frederick C. Volkman, Baltimore, Md.
Application February 25, 1935, Serial No. 8,182
9 Claims. (Cl. 171—222)



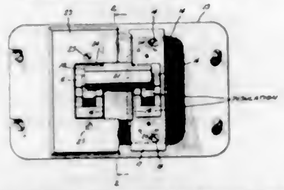
1. A motor unit comprising a single air core field coil, a shaft mounted exterior of said coil, a rotor carried by said shaft and a magnet adapted to maintain said rotor in a definite position with respect to said coil whereby the greatest starting torque is available when said motor is started.

2,099,584
COMPOSITE LATH
George F. Voight, Oakland, Calif.
Application May 16, 1936, Serial No. 80,124
4 Claims. (Cl. 72—116)



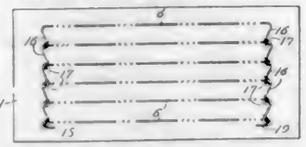
3. In combination, a backing sheet, a plurality of channeled stiffening strips on the rear face of said backing sheet, a metallic net structure disposed across the front face of said backing sheet, portions of said net structure projecting through said backing sheet and bearing against opposed portions of said stiffening strips, and means for holding said last named portions and said first named portions in bearing engagement.

2,099,585
CIRCUIT BREAKER
Fred G. von Hoorn, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application September 23, 1936, Serial No. 102,155
6 Claims. (Cl. 200—18)



1. An operator for simultaneously operating a plurality of circuit breakers between open and closed circuit positions, said circuit breakers being supported in side-by-side relation and each including a casing having an operating lever extending outwardly from one wall thereof, said operator comprising a handle portion substantially U-shaped in cross-section extending inverted across at least two of said circuit breakers, and guide members extending outwardly from said U-shaped portion slidably engaging said circuit breaker casings for supporting said U-shaped portion with its open side adjacent said circuit breakers so that said operating levers extend thereinto, said guide portions supporting said handle portion for slidable movement in a direction at right angles to said handle portion whereby the side walls of said U-shaped handle portion engage and move said operating levers simultaneously to operate said circuit breakers.

2,099,586
REINFORCED FABRIC AND METHOD OF MAKING SAME
Harold E. Williams, Carthage, Mo.
Application January 29, 1937, Serial No. 122,976
13 Claims. (Cl. 140—93)

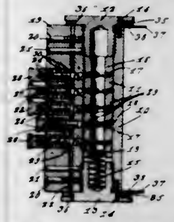


1. The method of reinforcing fabric consisting in interweaving wires parallel with each other through the fabric, with the end portions of the wires at one side of the fabric, forming said end portions into lateral arms each with a loop at its free end, and disposing the wires in the loops of adjacent wires.

2,099,587
CRASH CAUSE RECORDER FOR AIRCRAFT
Sidney G. Allen, Raleigh, N. C.
Application January 30, 1937, Serial No. 123,272
4 Claims. (Cl. 116—135)

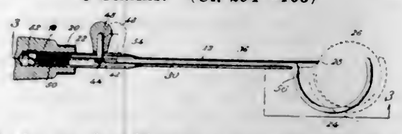
1. A crash cause recorder for aircraft comprising a supporting cylinder, means for securing the cylinder to aircraft within convenient reach of a pilot, spring pressed recording plungers, distinctive legends associated with respective plungers designating probable causes of a crash, and a plurality of locking discs carried by the cylinder and corresponding to respective plungers, the discs being so shaped and arranged

that when a selected plunger is set in locking engagement with its respective disc by a pilot



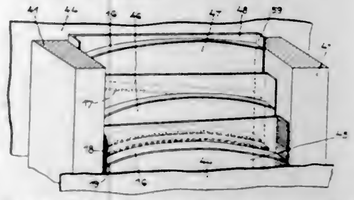
it will be impossible to release the set plunger or to operate any of the remaining plungers.

2,099,588
EGG HANDLING TOOL
Norman J. Annema, Grand Rapids, Mich.
Application April 20, 1936, Serial No. 75,462
6 Claims. (Cl. 294—103)



1. An egg handling tool comprising a handle, a tubular shank carried thereby, an egg-gripping element having a part slidably arranged within the shank, and another part positioned exteriorly thereof and cooperating with one end of the shank for gripping an egg.

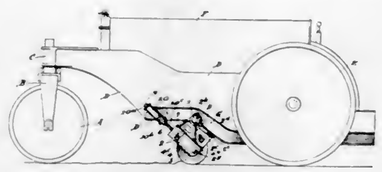
2,099,589
SKELETON STRUCTURE
Ludwig Armbruster, Berlin-Zehlendorf, Germany
Application October 31, 1935, Serial No. 47,689
In Germany October 5, 1933
27 Claims. (Cl. 20—4)



1. In a building wall or ceiling structure or the like, the combination of intersecting structural members defining substantially rectangular bays, diagonally disposed bracing tension members for rigidifying said bays, said members being secured at intervals to said structural elements, and to each other where they intersect, insulating panels disposed across said bays and secured to said structural members.

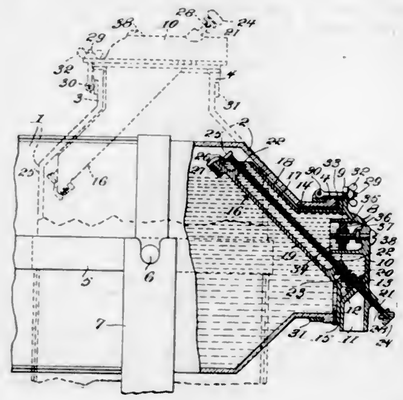
2,099,590
ROAD ROLLER
Andrew W. Aitken, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application March 2, 1937, Serial No. 128,661
12 Claims. (Cl. 94—50)

1. In a road vehicle having a wheeled frame; guides fixedly mounted on the frame adjacent the center of the vehicle; a substantially rigid sub-frame slidably mounted in the guides; a rotatable ground roll carried by said sub-frame and adapted to support the greater portion of the weight of



the vehicle when the roll is in operative position engaging the ground; and means for shifting the sub-frame to move said roll into and out of operative position.

2,099,591
VOLUMETRIC LIQUID DISPENSER
William E. Barrott, Aurora, Ind.
Application June 18, 1936, Serial No. 85,971
6 Claims. (Cl. 221—98)

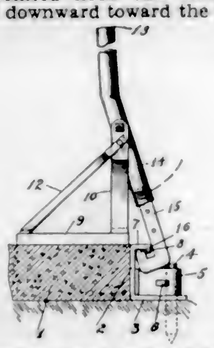


1. A closure of the class described for attachment to a bottle having a body portion and a reduced neck portion comprising, a cover section for attachment to the mouth of the bottle and having an outlet port therein, a spout section having its discharge end connected with the cover and communicating with the outlet port thereof and extending from the inner side of the cover section obliquely thereof for location of its inner receiving end adjacent to the said wall of the body portion of the bottle and communicating at its other end with said outlet port, and a manually manipulative valve means normally closing communication between the discharge end of the spout and the outlet port of the cover.

2,099,592
FORM PULLER
James F. Barton, Edwardsville, Ill.
Application February 18, 1937, Serial No. 126,399
4 Claims. (Cl. 254—132)

3. A form puller comprising a lever, a fulcrum support therefor, and a J-shaped hook depending from said lever characterized by an up-

turned, flat-pointed hook end having its flat point inclined downward toward the shank from



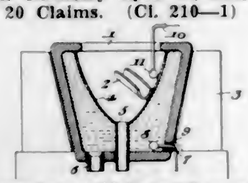
its extreme outer point, substantially as described.

2,099,593

PROCESS FOR REFINING OR SEPARATING ELECTRICALLY CONDUCTIVE LIQUIDS

Karl Bender, Wetzlar an der Lahn, and Max Bunke, Tiefenbach Kreis Wetzlar, Germany, assignors to Buderus'sche Eisenwerke, Wetzlar, Germany, a corporation of Germany

Application April 11, 1936, Serial No. 73,972
In Germany April 12, 1935
20 Claims. (Cl. 210—1)



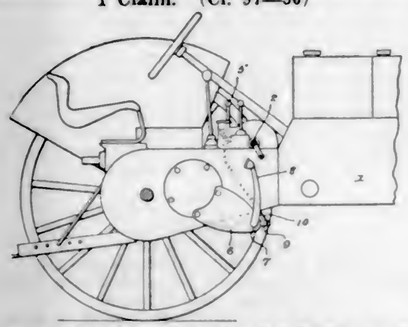
1. A process for purifying and separating electrically conducting liquids which are not decomposed under the influence of electricity, comprising whirling the conducting liquid in a stationary vessel by the application to said liquid of a rotary magnetic field, and removing constituents of different specific gravity from parts of the paraboloid of revolution formed by the whirling liquid, at different distances from the axis of rotation.

2,099,594

POWER LIFT LEVER

Algot S. Bloomquist, Paxton, Ill.

Application September 14, 1936, Serial No. 100,712
1 Claim. (Cl. 97—50)



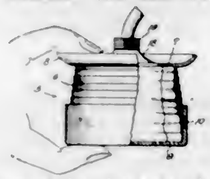
In combination with a tractor having an implement lift and a clutch therefor provided with a hand controlled lever, an ear formed on said lever, spaced plates secured on the tractor, a shaft journaled on said plates, a foot pedal formed on one end of the shaft, an arm secured on the other end of the shaft, and a link connecting said arm to said ear whereby movement of the hand lever may be caused through the actuation of the pedal by an operator's foot.

2,099,595

COLLAPSIBLE REFILL JAR

Kenneth N. Brown, New York, N. Y.

Application November 17, 1936, Serial No. 111,290
2 Claims. (Cl. 221—78)



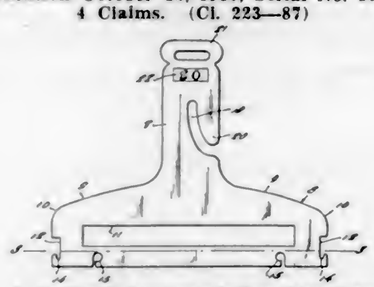
1. A dispenser of the character described comprising in combination, an end-wise contractable casing, a refill cartridge fitting into said casing and comprising rigid end walls, and a cylindrical wall of collapsible sheet material joining said end walls, one of said end walls including a threaded ring secured to said cylindrical wall and a plug having a nozzle therein, for engagement in said threaded ring.

2,099,596

MULTIPLE PURPOSE GARMENT HANGER

Lee P. Bruening, Butte, Mont., assignor of one-third to Frederick Goggin, Butte, Mont.

Application October 12, 1936, Serial No. 105,340
4 Claims. (Cl. 223—87)



1. A garment hanger of the class described comprising a single body of flat material uniform in thickness throughout its dimensions, said body being of general T-shaped form, the head thereof constituting a coat, trousers and skirt hanger, the stem thereof constituting suspension means, said stem portion being provided in one longitudinal edge intermediate its ends with a suspension hook and being provided at its top with a handle, said handle being of loop-like form whereby to provide for satisfactory accommodation of the hand.

2,099,597

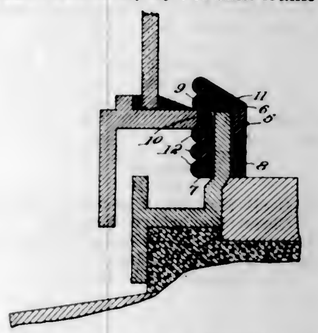
WEATHER STRIP FOR METAL SASH WINDOWS

Frank L. Carr, Jr., Maplewood, Pa.

Application March 30, 1936, Serial No. 71,708
2 Claims. (Cl. 20—69)

1. A weather strip comprising a body of yieldable material having a channel formation for receiving abutment flanges of window frames, and

a plurality of closely spaced corrugations provided on one side of said body and extending longitudinally thereof, said corrugations adapted to be engaged selectively by the sash frame whereby



the raised portion of the corrugation engaged will be depressed to receive the sash frame at the point of contact and the adjacent raised portions of the corrugated face of the body will be enlarged and overlap opposite side edges of the sash frame.

2,099,598

FIBERBOARD

John D. Carter, Lansdowne, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 27, 1935, Serial No. 13,335
2 Claims. (Cl. 154—40)



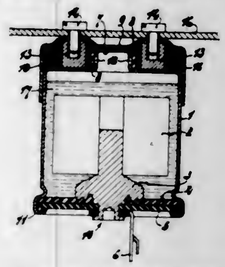
1. In the preparation of a composite fiber structure, the plies of which are united by an adhesive containing a partly neutralized alkali-metal silicate, the step of rendering the adhesive practically insoluble by keeping it in a humid atmosphere at a temperature of at least 60° C. for a period of at least 45 minutes.

2,099,599

ELECTROLYTIC DEVICE

Cornelis de Lange, Eindhoven, Netherlands, assignor to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands

Application December 17, 1935, Serial No. 54,881
In Germany January 7, 1935
7 Claims. (Cl. 175—315)



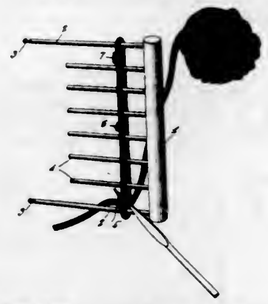
1. An electrolytic condenser comprising, a container having a closed end, an anode within said container and having an external connection at the other end thereof, a cup-shaped member mechanically secured at the closed end of said container, an exhaust device within the space formed between said member and the closed end of the container, and means positioned within said space for supporting the condenser.

2,099,600

CROCHETING FORK

Charlotte I. Denner, Santa Rosa, Calif.

Application November 11, 1936, Serial No. 110,391
1 Claim. (Cl. 28—15)



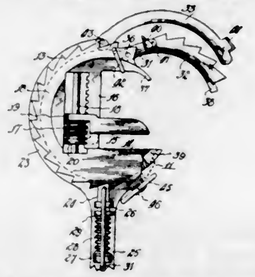
A crocheting fork comprising a rod-like body, relatively long prongs secured to and extending at right angles from adjacent the ends of the body and having work receiving openings therein adjacent to their outer ends, and short prongs secured to said body between the long prongs and all of the prongs being disposed in parallel equidistantly spaced relation to each other.

2,099,601

RATCHET WRENCH

George W. Fields, Atlanta, Ga.

Application March 7, 1936, Serial No. 67,726
1 Claim. (Cl. 81—60)

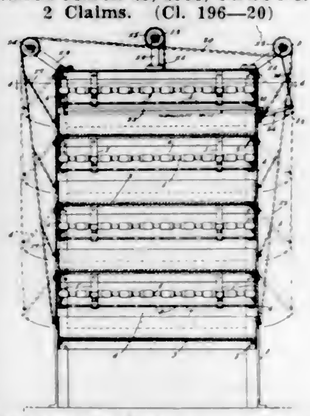


A ratchet wrench comprising a ratchet wheel with a fixed jaw and an adjustable jaw for engaging the object to be turned and having a peripheral groove alongside of the ratchet teeth, a ring turnable in the groove and having a handle formed integrally therewith, a segmental portion of the ratchet wheel and ring, respectively, being cut out to provide an opening at one side of the wrench leading to the jaws, said segmental portions being hinged at one end to the ratchet wheel and ring respectively, means for locking the segmental portions in closed position, spaced apart apertured lugs on the handle of the turnable ring, a spring actuated pawl slidable in the lugs to engage the ratchet wheel, and an operating rod attached to the pawl and extending longitudinally of the handle, the outer end of said operating rod being turned upwardly adjacent the outer or gripping portion of the handle for convenience in releasing the pawl.

2,099,602
LUMINESCENT GLASS
Hellmuth Fischer, Ilmenau, Germany
No Drawing. Original application February 21, 1934, Serial No. 712,440. Divided and this application February 21, 1936, Serial No. 65,064. In Germany May 20, 1933
7 Claims. (Cl. 106—36.1)

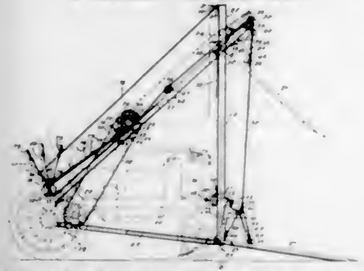
1. A glass, containing in solution a luminescence-affording compound of tin, and having an iron oxide (Fe_2O_3) content in an amount not exceeding 0.05%.

2,099,603
WAX SWEATING OVEN
Adolf B. Gauschemann, Bayonne, N. J.
Application March 23, 1936, Serial No. 70,538
2 Claims. (Cl. 196—20)



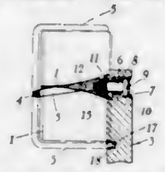
1. A wax sweating device comprising a supporting structure, a plurality of trays mounted in the supporting structure and spaced from each other, heating coils carried by the supporting structure and arranged between the trays, doors hinged to the supporting structure on two opposite sides of said sweating device to depend against the trays and close the spaces on said sides between the trays, and a thermostatically controlled means responsive to temperature changes within the sweating device for regulating the position of the doors.

2,099,604
TRACTOR OPERATED HAY LOADER
Russell Gunning, Tipton, Ind.
Application June 16, 1936, Serial No. 85,603
4 Claims. (Cl. 214—113)



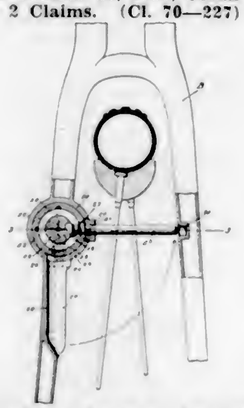
1. A hay loader comprising a rake, frame bars adapted to detachably secure the rake to a tractor, vertical track rails carried by the frame bars, upwardly extending lever arms on the rake, upper and lower rollers on the lever arms guiding movement of the rake on the track rails, an operating cable connected to the rake for raising and lowering the rake on the track rails, members forming the upper ends of the track rails and swingable downwardly and forwardly to carry an upper roller of the rake forwardly and pivot the rake on a lower roller thereof to dump the load by swinging the rake downwardly, and means for controlling the position of said upper end members with respect to the lower portions of the rails.

2,099,605
RAZOR
Kenneth Cecil Hanson, Clairinch, High Pine Close, Weybridge, England
Application March 10, 1936, Serial No. 68,141
In Great Britain March 13, 1935
10 Claims. (Cl. 30—35)



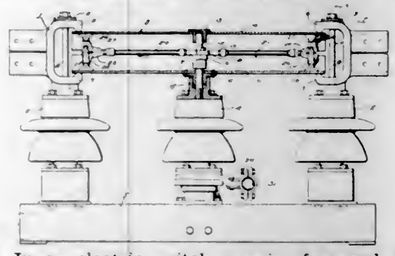
1. A safety razor comprising, in combination, a handle, a single edged blade normally having its cutting edge in a plane at right angles transversely to said handle, means for mounting said blade on said handle which permit of the blade being displaced to bring its cutting edge into a longitudinal plane passing substantially through the longitudinal centre line of the handle, means for positively locating the blade in normal and longitudinal positions, a guard member arranged parallel to the cutting edge of the blade at a short distance therefrom, said guard member being mounted on said blade for movement across the cutting edge, means for limiting the extent of movement of the guard to either side of the cutting edge, and means for locking said guard member in its mid-position opposite to said edge.

2,099,606
BICYCLE LOCK
Ralph P. Holsen, Milwaukee, Wis.
Application October 20, 1936, Serial No. 106,654
2 Claims. (Cl. 70—227)



1. A lock of the character described comprising a housing for carriage upon a wheel fork of a bicycle frame, a turning casing fitting said housing and having a barrel extension, a locking bolt slidable in said barrel extension, a tumbler cylinder fitted within the housing and said casing and having a cam for action upon the bolt to move it to locking position, the bolt when in locking position being adapted to bridge a spoked portion of a bicycle wheel, and means acting with the bolt to hold it in working relation to the cam, the said fork having a recess for accommodating the bolt when in unlocked position.

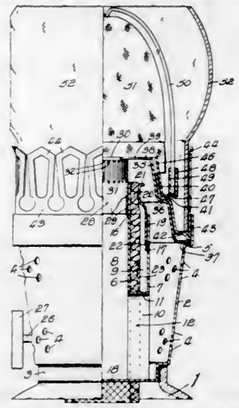
2,099,607
SWITCH
William R. Huttinger, Lansdowne, Pa.
Application August 31, 1935, Serial No. 38,827
9 Claims. (Cl. 200—48)



1. In an electric switch, a pair of spaced stationary contact members, a rotatable support interposed between said stationary contact members, a contact member carried by said support and movable as a unit thereby to bring the ends of the said contact member into and out of cooperative relation with said stationary contact members, said movable contact member comprising a pair of adjacently-disposed coextensive rigid blades adapted for transverse bodily movement toward and away from one another, said blades being incapable of any appreciable flexing throughout their entire length, actuating members arranged axially of said movable contact member between said blades, cooperating cam members pivotally attached to said blades at each end of said movable contact member, toggle members connecting the outer ends of said actuating members to said cam members, and means operable by said support for moving said actuating members axially of said movable contact member when the ends of the movable contact member are in cooperative relation with said stationary contact members, whereby to forcibly move said blades bodily in transverse relation to one another to effect engagement thereof with said stationary contact members.

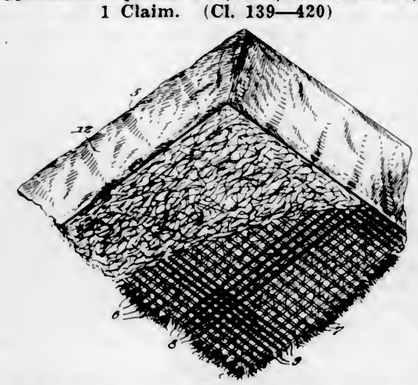
2,099,608
LATERAL DRAFT BURNER
William J. Keller, St. Louis, Mo.
Application September 20, 1935, Serial No. 41,430
7 Claims. (Cl. 67—38)

1. A kerosene lamp burner having, in combination, a tubular base cage having a perforated wall and provided with an internal shoulder adjacent its upper edge, a pair of concentrically arranged burner tubes so dimensioned apart as to provide a wick passage therebetween, the inner of said tubes projecting beyond the upper edge of the outer tube and serving to form an upright central air passage, lateral air inlets communicating with the lower end of the upright central air passage, a tubular wick receivable in the wick passage, the lower end of the wick being split whereby the wick straddles the lateral air passages, a removable tubular burner member having a reduced neck portion and an outstanding flange telescopically connected with the upper end of the outer burner tube to reduce the dimension of the wick passage, the flange at upper end of the inner tube, a deflector member adapted to lie in an approximate plane with the burner end of the inner tube, a deflector member removably supported by the internal shoulder on the tubular base cage, said member having an annular shoulder midway its ends, a chimney



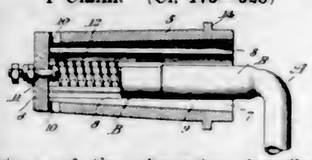
supporting basket having an annular shoulder removably seated on the deflector member shoulder, a generator cap removably and telescopically supported within the upper end of the inner burner tube, and a mantle supporting member removably seated on the shoulder of the chimney supporting basket, and means whereby the wick can be raised and lowered.

2,099,609
BLANKET
Thomas K. Keen, New York, N. Y., and Thomas F. Gibboney, Reedsville, Pa.
Application September 10, 1936, Serial No. 100,170
1 Claim. (Cl. 139—420)



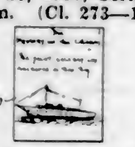
A blanket comprising warp and weft threads formed of wool having comparatively long staple, a plurality of series of relatively smooth surfaced worsted threads interwoven at spaced intervals throughout the length and breadth of the blanket in lieu of the aforesaid long staple threads, the wool warp and weft threads being napped and felted to confine the worsted threads whereby transverse and longitudinal areas of less density constituting air passages are formed in the blanket between the worsted threads and the napped and felted woolen threads.

2,099,610
RECEPTACLE AND SOCKET FOR NEON TUBES
William Ledder, St. Louis, Mo.
Application June 16, 1936, Serial No. 85,619
1 Claim. (Cl. 173—328)



A fixture of the character described comprising a tubular receptacle forming a socket closed at one end and open at its opposite end, said receptacle being tapered in the direction of its closed end, and internal ribs formed from the side wall of said receptacle and longitudinally disposed therein for effecting drainage grooves therebetween, the ribs being parallel to each other at their apexes and the grooves gradually sloping from the closed end to the open end of the socket.

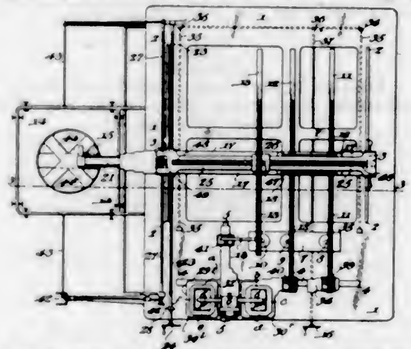
2,099,611
PICTURE CRIME MYSTERY GAME
Monroe B. Levoy, Great Neck, N. Y.
Application April 20, 1937, Serial No. 138,012
1 Claim. (Cl. 273—152)



A group of cards for use with other like groups of cards in a game involving a crime, puzzle or mystery, the cards being numbered in regular order and illustrating, in that order, by means of pictures and legends, the consecutive steps involved in the commission and solution of the crime, puzzle or mystery, the group of cards comprising, as a part thereof, a set of clue cards, each bearing the same number, which number is intermediate the numbers of the first and last cards of the group, the several clue cards being substantially identical, except for a feature individual to and characteristic of that clue card, said feature constituting the clue individual to that clue card, the group of cards also comprising a set of solution cards, corresponding, respectively, with the several clue cards, the solution cards all bearing the same number, which number is the last of the series, the several solution cards giving a plurality of different solutions for the crime, puzzle or mystery, the solution cards being substantially identical except for a feature individual to and characteristic of that solution card, said feature of a particular solution card matching identically with the particular clue on the corresponding or matching clue card.

2,099,612
SCULPTURE
Jose Limeses, Antonio Maria Martin Tomás Manuel Saralegui, and Carlos Alberto Pérez del Cerro, Buenos Aires, Argentina
Application February 3, 1933, Serial No. 655,132
Renewed December 10, 1936. In Argentina May 20, 1932
12 Claims. (Cl. 41—25)

1. An apparatus of the character described comprising movable plates for supporting stereoscopical photographs, a carriage mounted for movement in two directions, a sculpture tool actuated by said carriage, means for displacing one of said plates, means for imparting movement of said plate to said carriage, means for imparting movement of the carriage to the other plate, and means for actuating the carriage to effect displacement of the second mentioned plate.



3. The herein described method of photographing objects comprising, locating a stereoscopic photogrammetric camera having right and left objective lenses successively in three positions relative to said object with the main optical axis of one lens passing through one and the same focal point in each location of said camera.

8. A sculptured reproduction of an object comprising a mechanically executed counterpart of pairs of stereograms of the object photographed from different angles and as viewed through a stereoscope.

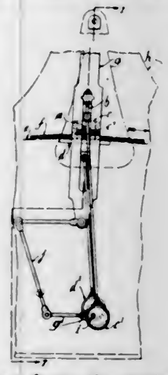
2,099,613
ERASER
Julian S. Loewus, Atlanta, Ga.
Application May 25, 1935, Serial No. 23,487
18 Claims. (Cl. 120—36)



16. A cap eraser comprising a body of frangible non-metallic erasing material and a flexible reinforcement of a non-frangible erasing material incorporated therewith to prevent crumbling and breaking thereof.

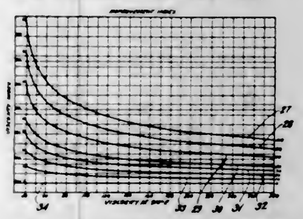
2,099,614
STAMPING AND EMBOSSING MACHINE AND IN PARTICULAR BISCUIT MAKING MACHINES
Leonard Marsden, Newton-le-Willows, Lancashire, England, assignor of one-third to Jack Lapidus, Manchester, England, and one-third to Percival Marsden, Edmonton, Alberta, Canada
Application March 18, 1937, Serial No. 131,638
In Great Britain February 5, 1936
11 Claims. (Cl. 107—26)

1. In a stamping or embossing machine having a table to support the work and a two-part tool to treat the work, the parts of the tool having independent movement towards and away from the table, means for moving the table to-



wards and away from the tools, and means for allowing one part of the tool to withdraw from the work after the other part has begun but before it has completed its operation.

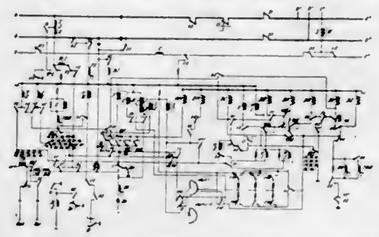
2,099,615
PROCESS FOR TREATING MINERAL OILS
Wilbert B. McCluer and Merrell R. Fenske, State College, Pa., assignors to Pennsylvania Petroleum Research Corporation, a corporation of Pennsylvania
Application April 26, 1934, Serial No. 722,594
4 Claims. (Cl. 196—13)



1. A process comprising contacting a lubricating oil of Pennsylvania grade with phenyl ethyl alcohol under conditions causing the formation of two liquid phases, and separating said phases to produce oil portions respectively of higher and lower gravity index.

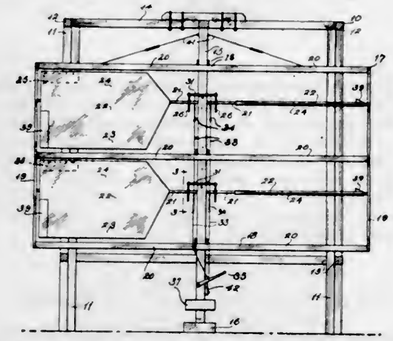
2,099,616
TIME AND ZONE METERING DEVICE
Otto Muck, Marquartstein, and Ludwig F. Muller, and Paul Zier, Munich, Germany
Application August 29, 1935, Serial No. 38,466
In Germany April 28, 1931
34 Claims. (Cl. 179—7.1)

1. A device for time and zone metering in telephone systems, comprising means for ascertaining the zone value of a connection, a time switch device and a movable meter stepping device, said time switch device being adapted at intervals of time corresponding to the unit periods of conversation to start a movement of said meter stepping device, and said meter stepping device being provided with means adapted to limit the movement thereof to an extent determined by the ascertained zone value and by the time interval at that moment; the last named means being arranged in several groups, each group corresponding to a zone value and the means within



each of said groups corresponding to a different interval of time.

2,099,617
FLUID CURRENT MOTOR
Orvis K. Nelson, Pawhuska, Okla.
Refiled for abandoned application Serial No. 16,883, April 17, 1935. This application September 21, 1936, Serial No. 101,839
6 Claims. (Cl. 170—27)

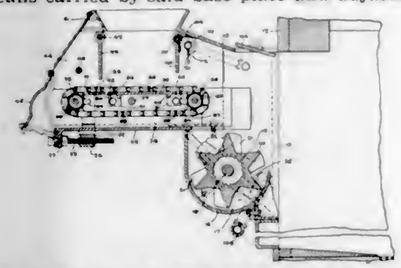


1. In a motor of the character described, a rotor having vanes pivoted for movement to and from operative position on respective axes spaced from the medial lines of the vanes, so that each vane constitutes one wide portion and one narrow portion at respective sides of the axis, a control device including a coaxial shaft fixed with each vane, radial arms on the shaft at an angle of ninety degrees to each other, and a stop having a normal position between the two arms within said angle to engage one in the direction of its rotation under wind pressure on the wide portion, and to engage the other arm when the wide portion is at trailing position, and means to move the stop to inoperative position.

2,099,618
MACHINE FOR SPREADING AND DISTRIBUTING COAL TO FURNACES
George W. Olney, Minneapolis, Minn.
Application August 2, 1934, Serial No. 738,065
9 Claims. (Cl. 110—115)

1. The combination of a furnace having a fire door opening and a casing having an opening communicating with the fire-door opening of the furnace, a hopper formed in the casing, a bladed rotor journaled in the casing and arranged to receive fuel fed from the hopper and to project it through said openings, means for rotating said rotor, a base plate between the hopper and rotor

adjustable longitudinally of the casing, and means carried by said base plate and adjustable



with it operating to engage and feed fuel from the hopper to the rotor.

2,099,619

SECURING TRIM PANELS

Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application June 12, 1933, Serial No. 675,512
9 Claims. (Cl. 45—138)



1. A trim panel comprising a foundation provided with an opening, trim material covering one side of said foundation, fastener anchoring means having an imperforate body secured to said foundation so as to substantially lap said foundation at said opening, said means being disposed between said material and foundation with the body thereof extending in said opening, and a fastener interlocked with said means through said opening.

2,099,620

GARMENT

Albert Pleiter and Adolph H. Peterson, Northville, Mich.
Application September 28, 1934, Serial No. 745,992
1 Claim. (Cl. 2—79)



In a sleeveless overall, the combination with a trousers portion having a waist line opening adjacent each side thereof and provided with pockets, means for securing the free edges of the waist line defined by the opening together, of a waist portion adapted to extend over the shoulders and being secured to the front of the trousers portion and having a portion thereof overhanging said trousers portion, the opening of said pockets, and the securing means securing the free edges defined by the waist line opening, the rear end of the waist portion terminating short of the waist line of the trousers portion, said waist portion having an elongated opening located in the upper end thereof and a centrally disposed slit extending from the lower portion of the opening to the lower end of the waist portion dividing said waist portion into sections, means secured to the edges of the sections defined by the slit for securing said sections together, an upstanding back section secured to the rear of the trousers portion terminating short of the rear end of the waist portion and spaced resilient straps connecting the free end portion of the waist and back section.

2,099,621

CONVERTIBLE METALLIC COT

John H. Prescott, Columbus, Ohio
Application March 19, 1936, Serial No. 69,677
2 Claims. (Cl. 5—8)

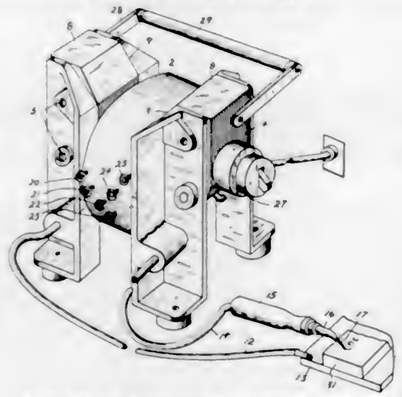


1. A cot of the class described having a lower mattress supporting frame, an upper mattress supporting frame adapted to assume a superposed position on the lower mattress frame, said frames having vertical flanges, the upper mattress frame having a mattress-supporting flange extending inwardly below the top thereof, pairs of links at the corners of the cot, the links of each pair being pivoted together, said links being of angle form in cross section and each cutaway at one flange thereof to provide extensions pivoted to the frames on the interior thereof, the ends of the cutaway flanges of each link in the unfolded condition of the cot resting on the edges of the vertical flange of the engaged adjacent frame, and means operable to maintain the links against collapse in the unfolded condition.

2,099,622

APPARATUS FOR ELECTRICALLY MARKING METALS

Glenn E. Printz, Detroit, Mich.
Application March 21, 1935, Serial No. 12,161
3 Claims. (Cl. 175—367)



1. A work-holding electro-magnet comprising a magnetizing coil, a magnetizable laminated core within the coil, having a pair of pole pieces at its ends, projecting similarly beyond the coil periphery and having coplanar work-seating faces and also having work-seating faces convergent toward the coil, and a pair of frame members clamping the laminations together, and projecting beyond the coil coextensively with the laminations and having upper end faces approximately flush with the said work-engaging faces.

2,099,623

CUPRIFEROUS FUNGICIDES

Ray Riley, Long Island City, N. Y., and William McAfee Bruce, Mount Holly, N. J., assignors to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 19, 1935, Serial No. 50,590
12 Claims. (Cl. 167—16)

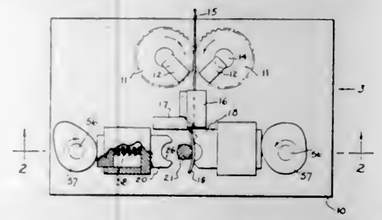
1. In the manufacture of fungicides containing large amounts of copper in a form available for fungicidal purposes but not injurious to vegetation, the process which comprises preparing an aqueous gel of the nature of those used in making base exchanging zeolites by mixing a solution of sodium silicate and a solution of an alumina compound of the class consisting of aluminate and alum, reacting upon said aqueous gel with copper sulfate solution prior to final drying, the amount of copper sulfate being sufficient to furnish CuO to the gelling mixture in more than an equimolecular ratio to the alumina, drying, washing and comminuting to a fine powder suitable for fungicidal purposes.

5. As a new fungicidal composition, a powdered dried zeolitic neutral aluminosilicate gel, containing copper oxid incorporated in the gel structure in a non-exchangeable form fungicidally available and in amount corresponding to a molecular ratio of copper oxid to alumina between 1:1 and about 10:1.

2,099,624

MACHINE FOR SIMULTANEOUSLY FORMING RINGS AND ASSEMBLING THEM ON SHAFTS

George F. Robarge, Toledo, Ohio
Application June 20, 1936, Serial No. 86,261
1 Claim. (Cl. 153—1)

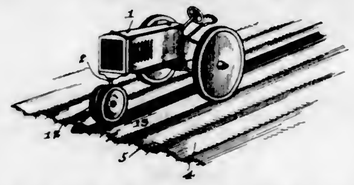


A machine for forming a ring or bushing and assembling it on a shaft or spindle simultaneously comprising a shaft or spindle holder, cutting and forming dies on diametrically opposed sides of the spindle and having adjacent ends shaped to sever a leading part of a ribbon of stock from the remainder of the ribbon to provide a cut piece of stock and to form the cut piece of stock into a ring around the spindle as a mandrel, the cutting and forming operations being performed in the same single stroke of the two dies, and means for moving the dies towards and away from each other and the shaft or spindle.

2,099,625

STEERING WHEEL STRUCTURE

Turney B. Roberts and William A. Howard, Memphis, Tex.; said Howard assignor to Howard S. Randal, Memphis, Tex.
Application June 8, 1937, Serial No. 147,081
5 Claims. (Cl. 280—97)

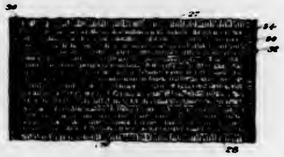


1. In a steering wheel structure for farm tractors, a carrier adapted to be secured to a steering post, a pair of oppositely extending downwardly inclined axles fixed at their inner ends to said carrier, and a pair of inner sidewise opposed oppositely inclined revoluble steering wheels carried by said axles and having the successive lower portions of the faces of the inner sides thereof, during the revolving of the wheels in permanent wedging engagement.

2,099,626

RUG AND METHOD OF MAKING SAME

William W. Robinson, Memphis, Tenn., assignor to McCallum & Robinson, Inc., Memphis, Tenn., a corporation of Tennessee
Application November 19, 1936, Serial No. 111,722
9 Claims. (Cl. 112—1)



1. A method of making rugs, mats and the like, which consists in extending strands of yarn transversely of a fabric base for substantially the full length thereof, then stitching the yarn transversely to the base by means of central stitching extending longitudinally of the base, then stitching the yarn also to the base by means of stitching extending longitudinally of the base near the side edges of the base, and then stitching the yarn to the base by means of other rows of stitching extending longitudinally of the base between the first mentioned rows, to provide an even tautness of the yarn between the various rows of stitching, and then cutting the yarn intermediate the rows of stitching.

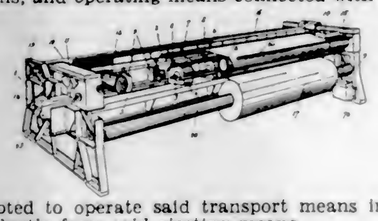
2,099,627

HIGH CAPACITY WEAVING MACHINE

Rudolf Rossmann, Gauting, near Munich, Germany, assignor to Tefag Textil-Finanz A.-G., Zurich, Switzerland
Application July 19, 1934, Serial No. 736,117
In Hungary July 20, 1933
32 Claims. (Cl. 139—125)

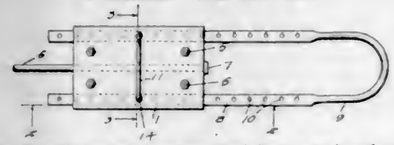
1. In a high capacity machine for weaving having gripping shuttles, the combination of ejecting means adapted to eject said shuttles in a direction across the shed, receiving means adapted to receive said shuttles, movable transport means for carrying and returning said shut-

tles from said receiving means to said ejecting means, and operating means connected with and



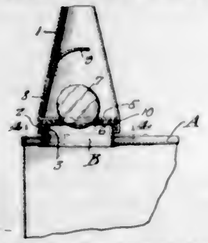
adapted to operate said transport means independently from said ejecting means.

2,099,628
ADJUSTABLE PULL ROD CLAMP
James F. Sampson, Skiatook, Okla.
Application December 7, 1936, Serial No. 114,708
2 Claims. (Cl. 287—58)



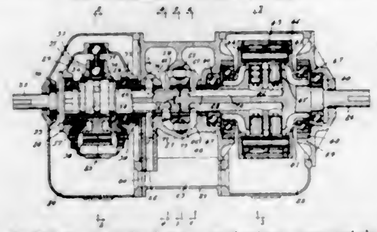
1. A pull rod clamp comprising a pair of companion body sections having grooves extending along the longitudinal centers and adjacent to the longitudinal edges thereof, means for securing the sections together with the grooved faces in face to face relation and with a pull rod section clamped between the same in the centrally disposed grooves thereof, a substantially U-shaped member having its arms slidably mounted in the other grooves and the bight portion thereof adapted to have the other pull rod section fixed thereto, said arms having openings extending therethrough and disposed along their length, and a substantially U-shaped latch member removably associated with the body sections for passage therethrough and for disposal in any of the openings of the arms for securing the U-shaped member in adjusted positions with respect to the body sections.

2,099,629
CLOSURE AND POURING DEVICE
Edward G. Schaetzel, Alhambra, Calif.
Application September 8, 1936, Serial No. 99,808
2 Claims. (Cl. 221—18)



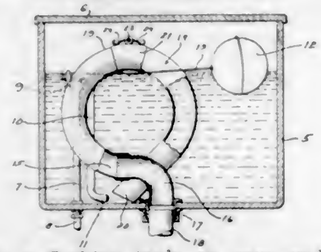
1. A closure device for a container comprising a hollow funnel like body tapered inwardly toward one end, means at the opposite end of the body for detachably securing the same to the outlet of the container, sealing means included in the securing means, a disk within said body and having a central opening therein with depressed edges to provide a seat, said opening registering with the outlet for the passage of the contents of the container therethrough, a gravity actuated ball receivable by the seat for closing the opening, and means formed on the disk and rising therefrom for disposal in the path of the ball to limit the open position thereof.

2,099,630
TRANSMISSION
Adolf G. Schneider, Beloit, Wis.
Application March 1, 1933, Serial No. 659,146
38 Claims. (Cl. 60—53)



1. A fluid operated transmission comprising in combination a power operated pump for delivering fluid under pressure and comprising a housing, a motor operable by the fluid and comprising a housing, said pump and motor being in coaxial spaced relation, a central, axial, hollow driven shaft common to the pump and motor and turning with both, a stationary control housing between the pump and motor and joining their housings to form a unitary assembly, said control housing having passages therein, the hollow shaft having longitudinal channels provided therein to conduct all of the moving fluid through the passages in the control housing to and from the pump and motor, and means on the control housing for controlling the flow of fluid through said shaft.

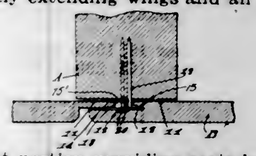
2,099,631
SIPHON FLUSH TANK
Luigi Serra, Washington, D. C., assignor to Serra Ltd., a corporation of New York
Application March 24, 1936, Serial No. 70,645
10 Claims. (Cl. 4—50)



1. In a flushing tank, an open ended normally ring-like siphon member of resilient material, and means for flexing the siphon member inwardly intermediate its ends to establish siphonic flow thru the member.

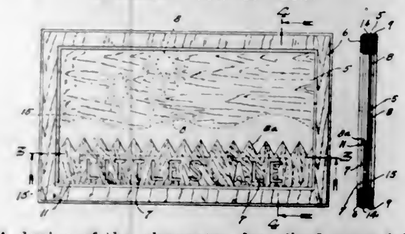
2,099,632
BLIND FASTENER FOR WALL AND CEILING BOARDS
Frederick E. Starr, Belzoni, Miss.
Application September 12, 1936, Serial No. 100,529
6 Claims. (Cl. 20—4)

1. The combination of planking, boarding or other wall or ceiling covering having under and overlapped edge portions, edging tongues on said under and overlap portions, and fasteners having reversely extending wings and an intermedi-



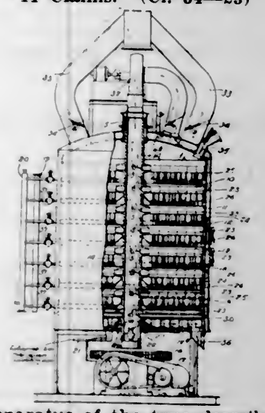
ate straight portion providing seats between the wings for accommodating the edge tongues of adjacent planks when disposed in underlap and overlap relation to each other.

2,099,633
DISPLAY SIGN AND METHOD OF CONSTRUCTION
Robert H. Stewart, Detroit, Mich.
Application December 8, 1936, Serial No. 114,751
1 Claim. (Cl. 40—152)



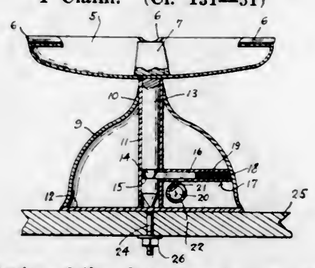
A device of the character described comprising the combination of a plurality of superimposed laminated layers of naturally grained wood, the grains of the several layers being disposed in different directions, at least one of said layers having different light treating characteristics, and another of said layers having decorative cut-out portions superimposed on said last named layer.

2,099,634
APPARATUS FOR HEAT TREATING GRANULAR FOODS
Gerald Thorp and Ernest Halse, Bethlehem, Pa., assignors to Bethlehem Foundry & Machine Company, Bethlehem, Pa., a corporation of Pennsylvania
Application July 11, 1936, Serial No. 90,215
11 Claims. (Cl. 34—23)



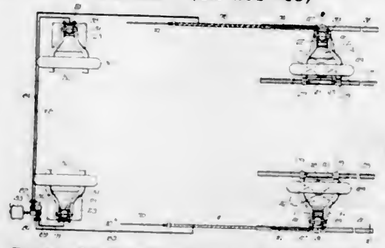
1. In apparatus of the type described, a hollow-walled chamber, a plurality of vertically-spaced hearths in said chamber, means for cooling at least the lowermost of said hearths, means for heating the remainder of said hearths, means for causing material to move successively across said hearths from the upper to the lower end of the chamber, and means to circulate air over said lowermost hearth through the hollow wall of said chamber and then deliver the same to said heated hearths.

2,099,635
ASHTRAY
Guy Toniolo, Grapeville, Pa.
Application October 2, 1936, Serial No. 103,771
1 Claim. (Cl. 131—51)



In a device of the class described, a casing of substantially conical form providing a base and having an aperture in the apex portion thereof, a sleeve extending from said aperture into the said casing, a bowl having a spindle extending through said aperture into said sleeve and rotatable therein, said spindle having a shoulder thereon, and said sleeve having a radial aperture opposed to said shoulder, and a locking bolt slidably mounted inside the casing to extend through the aperture in said sleeve and to overlie said shoulder, said bolt being tensioned for movement to overlying positions.

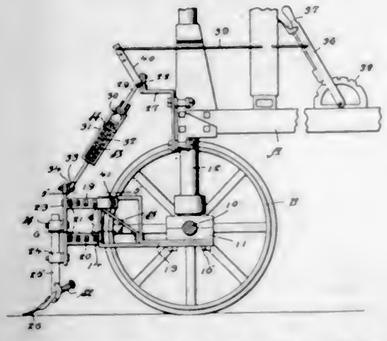
2,099,636
VEHICLE-LIFT
Ira A. Weaver, Springfield, Ill., assignor to I. A. Weaver Engineering Company, Springfield, Ill., a corporation of Illinois
Application December 9, 1935, Serial No. 53,531
9 Claims. (Cl. 254—93)



1. In a vehicle-lift, the combination of a pair of separate and independent lifting-and-lowering means outside of each of the opposite sides of the floor-space to be occupied by the vehicle to be elevated, the bottoms of said lifting-and-lowering means being at substantially floor-level, separate and independent means on each of said lifting-and-lowering means projecting inwardly toward and adapted to engage and to support and to lift and to lower the vehicle, means to operate said lifting-and-lowering means, said separate and independent means being at substantially

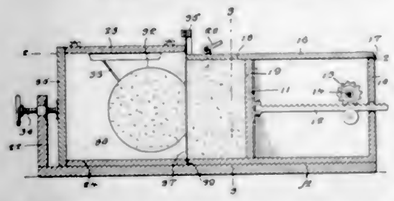
floor-level in their lowest positions and adapted to have the vehicle-wheels driven onto them when in such lowest positions, and turn-tables on those ones of said inwardly-extended means designed to support the front wheels of the vehicle and on which such wheels are adapted to rest to permit easy side turning of such front wheels by their steering-mechanism.

2,099,637
TRACTOR ATTACHMENT
Albert N. Wendel, Meservey, Iowa
Application March 9, 1937, Serial No. 129,886
4 Claims. (Cl. 97—47)



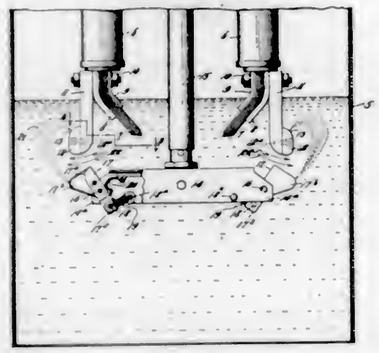
1. An attachment for a tractor having a front steering mechanism comprising a bracket fixed to said mechanism and having an upstanding frame, a carrier head vertically disposed forwardly of said frame and having vertical swinging connection therewith, a ground scraper supported by said head, a hanger fixedly held elevated above said frame, a cranked shaft journaled in said hanger, spring tensioned connections between the head and the crank of said shaft, and means on the tractor for turning said shaft.

2,099,638
MOLDING MACHINE
Joe Wiley, Fresno, Calif.
Application August 3, 1936, Serial No. 94,077
5 Claims. (Cl. 17—32)



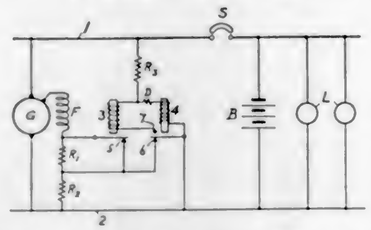
1. A machine of the character described comprising a housing having a feeding chamber, a head slidable in the housing and working through said chamber, rack bars connected with said head, hand driven rack pinions meshing with said rack bars for operating the same, a magazine rack next to the chamber, a magazine carried by said rack, and alternately arranged mold parts and separators removably fitted in the magazine, the mold parts having molding cavities provided with air vents and communicative with the feed chamber.

2,099,639
CIRCUIT BREAKER
Joseph D. Wood, Bethlehem, Pa., assignor to Roller-Smith Company, a corporation of New York
Application November 18, 1935, Serial No. 50,299
5 Claims. (Cl. 200—146)



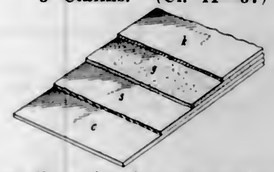
1. A circuit breaker comprising a movable conducting element, a fixed conducting element, an auxiliary conducting element movable relatively to and carried by said movable conducting element, said auxiliary conducting element having a contacting portion adapted to engage the inner face of the fixed conducting element and having a side portion extending outwardly and embracing a side of said fixed conducting element in the closed position of the breaker, and means for biasing said auxiliary element outwardly to cause said contacting portion to engage the inner face of said fixed conducting element and to cause said side portion to move outwardly relatively to said fixed conducting element upon the opening of the breaker.

2,099,640
CHARGING-CONTROL SYSTEM
Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application April 18, 1936, Serial No. 75,073
6 Claims. (Cl. 171—314)



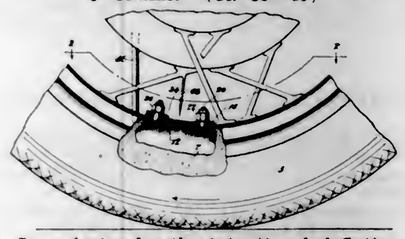
1. In combination, a storage battery and its load circuit, a generator provided with means for controlling its output selectively at any one of three values, a voltage-responsive means normally inoperative for reducing the output from the intermediate value to the lowest value, and other voltage-responsive means for reducing the output from the highest to the intermediate value and simultaneously putting the first-mentioned means into operative condition.

2,099,641
GOLD LEAF SUBSTITUTE
Stefan Bach, Nuremberg, and Konrad Kurz, Furth, Germany
Application November 14, 1933, Serial No. 697,962
In Germany February 6, 1933
5 Claims. (Cl. 41—37)



2. A metallic embossing strip or sheet, comprising a cathodically deposited dense metallic foil of uniform thickness, a support, a releasable layer between said foil and said support, a hard, smooth, transparent layer next to said metallic foil composed of material selected from the group consisting of varnishes and lacquers and a sizing layer on the side of said foil opposite said support.

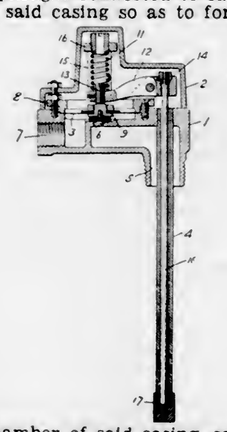
2,099,642
TIRE DEFLATING DEVICE
Clarence A. Overturf, Detroit, Mich., assignor to American Tire Guard Company, Detroit, Mich., a corporation of Michigan
Application June 24, 1936, Serial No. 87,077
9 Claims. (Cl. 35—49)



1. In a device for the intentional deflation of pneumatic tires while running, a rim for the support of a tire casing and an associated air containing elastic inner tube, said rim being provided with an opening for the passage of an elastic portion of the inner tube, and a movable closure extending over said opening to restrain the adjacent elastic portion of the inner tube and being movable out of restraining relation to the adjacent elastic portion of the inner tube to release the same.

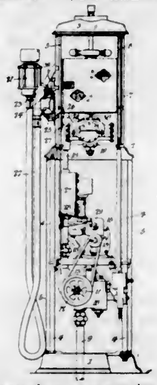
2,099,643
TEMPERATURE AND PRESSURE RELIEF VALVE
Francis W. Werring, Philadelphia, Pa., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia
Application March 23, 1934, Serial No. 717,023
5 Claims. (Cl. 137—139)

5. A pressure responsive and temperature responsive relief valve device comprising, a casing having an inlet and an outlet, a valve seat interposed between said inlet and said outlet, a movable valve cooperating with said seat, a spring stressing said valve to closed position, a thermostatic element extending into said inlet and connected in operative relation to said valve to move said valve in response to predetermined temperature in said inlet and in opposition to said spring and disconnected from operative relation with said valve upon movement of said valve in response to pressure on said valve, and a flexible diaphragm connected to said valve and to parts of said casing so as to form a flexible



wall in a chamber of said casing, said chamber being sealed from fluid in said casing and containing said spring and at least a portion of said thermostatic element.

2,099,644
LIQUID DISPENSING APPARATUS
Joseph C. Woodford, Haverford, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application November 22, 1934, Serial No. 754,201
3 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus, the combination with a meter for measuring the volume of liquid dispensed; of a hose; a pump for dispensing liquid through said meter and hose; means for indicating the volume of liquid thus dispensed at each dispensing operation; an electric motor operatively connected with said pump; an electric switch for controlling the operation of said motor and pump; a hose supporting lever connected with said switch; a switch control lever; pivotal connecting means at one end of said switch control lever, adjustable transversely with respect to said lever, by screw means; a link pivotally connected at one end with said hose supporting lever, and pivotally connected at the other end with said transversely adjustable pivotal connecting means on said switch control

lever; whereby the relative positions of said hose support and switch control lever may be precisely adjusted; set back mechanism for restoring said indicating mechanism to zero position, including a set back shaft; a cam rigidly connected with said set back shaft and having a notch in its periphery; a casing inclosing said cam; an automatically operative clutch element interposed between said casing and said shaft limiting the rotation of said shaft to the one direction for setting back said indicating means; a locking lever, fulcrumed in said casing, having at one end a roller in cooperative relation with said cam and having its other end overhanging and limiting the movement of said switch control lever; a spring in said casing continually stressing the end of said locking lever carrying said roller toward said cam, whereby said roller is caused to enter said cam notch when the latter is presented in registry therewith; a latch lever fulcrumed at its upper end in said casing and extending transversely with respect to said switch control lever and locking lever; said latch lever having a projecting knob intermediate of its length for cooperation with said switch control lever; and a snap spring extending from the free end of said latch lever across the fulcrum of said latch lever to a point of attachment in said casing; whereby said snap spring holds said latch lever alternately at either extreme of its range of movement, and said switch control lever is only freed from said locking lever when said roller is permitted to enter the notch of said cam by set back movement of said cam to zero position of said indicating means and the consequent movement of said locking lever presses said latch lever out of engagement with said switch control lever.

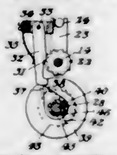
2,099,645

REGISTER TRANSFER MECHANISM

Joseph C. Woodford, Haverford, Pa., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Original application October 31, 1934, Serial No. 750,805. Divided and this application April 22, 1935, Serial No. 17,691

1 Claim. (Cl. 235—133)



In a tens-transfer mechanism; the combination with two rotary members respectively of a higher and lower decimal order, of means for effecting a rotary movement of the member of the higher order by each complete rotation of the member of the lower order, including a spring, continually stressing said member of the higher order to advance it; means for controlling the advancement of said member of the higher order, including an axial shaft in rigid relation therewith, a ratchet wheel in rigid relation with said shaft, two pawls, of respectively different length, for engaging said wheel in circumferentially spaced relation thereto; means for effecting escapement of said wheel from one tooth to the next with respect to said pawls, including two rotary tappet cams in circumferentially spaced relation; means for revolving said tappet cams; and means operatively connecting said cams with said member of the lower order to automatically trip said pawls at each rotation of the latter member; whereby said pawls are successively tripped by said cams, and successively engage each tooth of said wheel, and limit each movement of said rotary member of the higher order to the angle between adjoining teeth of said wheel.

2,099,646

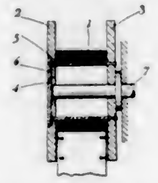
ROLL CARRIER FOR PHOTOGRAPHIC STRIP FILM

Leo Busch, Berlin-Karlshorst, Germany

Application July 17, 1935, Serial No. 31,841

In Germany October 24, 1934

5 Claims. (Cl. 242—71)



2. In a roll carrier for photographic film, the combination with a carrier for photographic strip film including apertures on both sides spaced a predetermined distance, of a spindle adapted to enter either aperture but of insufficient length to project through both apertures, a frangible seal covering at least one aperture, whereby the condition of the seal may indicate the direction in which the carrier has been placed on said shaft.

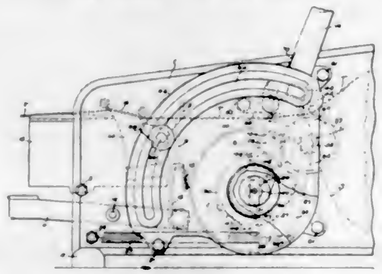
2,099,647

PLURAL-LENGTH TAPE DISPENSING MEANS

Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts

Application May 21, 1936, Serial No. 81,001

14 Claims. (Cl. 271—2.4)



1. In a hand-operated machine for dispensing dry-gummed tape, in combination, a frame, a support thereon for a supply of dry-gummed tape, opposed rolls for advancing the tape for moistening and severance, a rock shaft and means to return it to an initial angular position, one-way drive and gearing connections between the shaft and one of the feed rolls, a plurality of independent hand levers having each an operating and a return movement, said levers operatively associated with the shaft to turn it in one direction thereby selectively to feed tape lengths corresponding to the extent of the operating movement of the selected lever, and positive means to limit the lever movements.

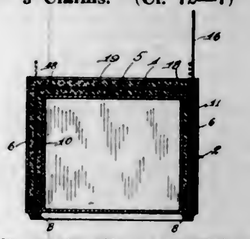
2,099,648

VAULT CONSTRUCTION

Arthur C. Griffith, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application February 16, 1935, Serial No. 6,801

3 Claims. (Cl. 72—7)



3. A vault construction comprising a box-like structure having bottom and side walls, said side walls being of reinforced concrete and being relatively thin and wide, said reinforcing comprising a sheet of flat expanded metal having flat strands and flat bonds lying substantially in a common plane, said sheet extending substantially from top to bottom of a wall and having a free edge extending along and adjacent the line of juncture of the bottom with said wall, said sheet being spaced a substantial distance from the inside and outside surfaces of the wall, said concrete mixture being forced into the meshes of the expanded metal by pressure exerted on both sides of the flat expanded metal by means of a tool.

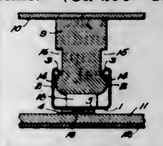
2,099,649

CEILING INSTALLATION AND FASTENER FOR THE SAME

Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 17, 1934, Serial No. 716,163

6 Claims. (Cl. 296—137)



1. A fastener structure of the class described including an attaching plate having a raised portion provided with an aperture therethrough, a snap fastener stud member having a base provided with hook-like projections of unequal length to permit insertion through the aperture by a relative tipping action and to engage beneath the raised portion, said hook-like projections and the raised portion of said attaching plate being shaped and arranged to prevent relative rotation and stud means for snap fastening engagement with a cooperating stud-receiving means, said stud means extending from the opposite side of said base from said hook-like projections.

2,099,650

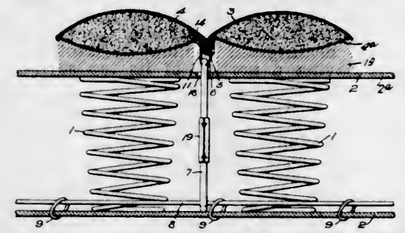
CUSHION TUFTING STRUCTURE

Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 28, 1934, Serial No. 717,828

6 Claims. (Cl. 155—185)

6. In a cushion construction, spaced frame structures, spring means positioned between said frame structures, a padded cushion member on the outside of one of said frame structures, said cushion member having a covering having a fold extending downwardly, a plurality of individual tufting devices secured to the fold of the covering and having spaced means bearing against opposed sides of said fold, means connecting said spaced bearing means, each of said tufting devices being completely concealed by the covering, and tie means connecting the tufting devices to the other frame structure to hold the fold under tension.



2,099,651

PLASTIC MATERIAL AND METHOD OF PRODUCING THE SAME

Ernst Helft, Berlin-Halensee, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application December 30, 1933, Serial No. 704,754. In Germany December 31, 1932

19 Claims. (Cl. 106—23)

17. A plastic mass comprising, in combination, a caoutchouc base material, insoluble pulverulent or granular addition material and, as a dispersing agent, a derivative of a high molecular alcohol consisting of an ester of a primary straight chain aliphatic alcohol having 8 to 30 carbon atoms in the molecule with a primary straight chain aliphatic acid having 1 to 30 carbon atoms in the molecule.

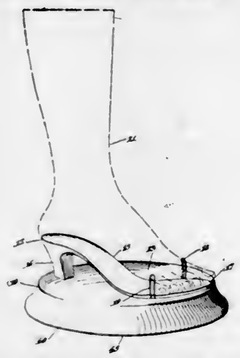
2,099,652

SUPPORT FOR HOSIERY DISPLAY FORMS

Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application September 12, 1936, Serial No. 100,458

1 Claim. (Cl. 223—120)



A composite display base for a stocking form comprising a component member substantially

conforming to the bottom of a shoe having a top surface seat simulating the under surface of a foot, a heel portion having a vertical tapped bore portion accessible from the underside of the heel portion, an arch, a sole portion and a downward extension of the sole portion having a vertical tapped bore portion accessible from the underside of the extension, and a separate component support member for the shoe-conforming member of inverted shallow substantially dish shape having a portion of its top surface depressed to receive the downward sole extension, vertically apertured portions for register with said tapped bore portions, screws in said apertured and tapped bore portions for holding the component base members together, insert elements cast into underside portions of the support member, and wire-like clips of inverted substantially U-shape having upper portions bowed toward each other from opposite sides of the sole portion for holding the stocking form in position, and having lower ends extending downwardly through the upper portion of the support member into said insert elements and secured to the latter.

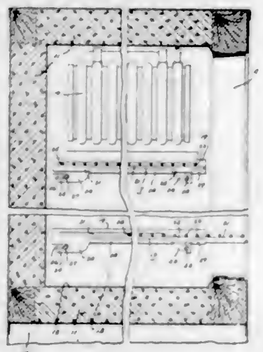
2,099,653

REFRIGERATING APPARATUS

Richard D. Kneisley, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Ohio

Application March 29, 1935, Serial No. 13,724

2 Claims. (Cl. 211—143)



1. In a slidable shelf unit adapted to be mounted in the food storage compartment of a refrigerator cabinet comprising in combination, sheet metal guide members adapted to be disposed in substantially the same horizontal plane for extension along opposed side walls of the food compartment, means for detachably mounting said guide members against movement relative to said compartment walls, said sheet metal guide members each including a horizontally extended track portion adapted to support a shelf thereon and an integral upwardly disposed portion having an elongated horizontally extending opening therein adapted to receive a part of the shelf for retaining same on the guide members, a shelf having its side edges carried by said shelf supporting track portion of said guide members and having a part thereof projecting outwardly beyond each of its side edges into the elongated opening in said guide members, said shelf having a reticulated food supporting area between its side edges and being slidable relative to said guide members outwardly of the food compartment of the refrigerator cabinet, said projecting parts of said shelf being adapted to engage the upper wall of the elongated opening in said guide members and cooperating with said shelf supporting track portion thereof to prevent tilting of the shelf when same is slid outwardly of the food storage compartment, and said projecting parts of said shelf being adapted to engage the wall of the forward end of the elongated opening in said guide members for limiting movement of the shelf outwardly of the food compartment.

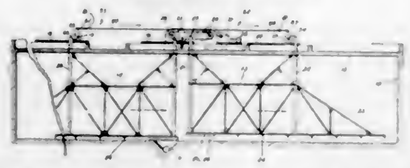
2,099,654

SEDIMENTATION APPARATUS

Nels B. Lund, Seaford, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application April 12, 1933, Serial No. 665,658

16 Claims. (Cl. 210—3)



1. In combination with a sedimentation tank having a sludge outlet located in the central portion thereof, a sludge collecting mechanism comprising a pair of rake members arranged end by end, each rake member adapted to reciprocate as a whole in cyclic movement for intermittent conveyance of the sludge from one end of the tank towards said sludge outlet, and rake actuating mechanism comprising means for imparting positive uniform cyclic motion to the rake members, said actuating mechanism comprising a double armed lever having a longitudinally movable fulcrum point, each arm of said lever adapted to have suspended therefrom an inner adjoining end of a rake, driving means engaging upon one end of said lever and adapted to control bodily as well as rotary movement of said lever in a manner to produce a desired cyclic head motion of the rakes corresponding to said cyclic movement thereof, and comprising operating connections to impart vertical component movement to the outer rake ends corresponding to said head motion.

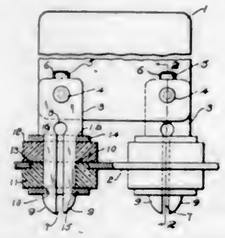
2,099,655

MOUNTING BRACKET AND INSTALLATION THEREOF

Wilford C. MacFadden, Philadelphia, Pa., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 20, 1935, Serial No. 12,114

7 Claims. (Cl. 248—358)



6. The combination with an apertured support of an electrical part of the class described, and a one-piece snap fastening bracket securing said part to said support, a rivet or the like for securing one portion of the bracket to said electrical part, another portion of said bracket being divided into expansible and contractible fingers adapted to engage the aperture of said support with a snap fastener action and to be detached therefrom by an axial pull, said fingers being formed on their outer edges with notches to engage said support, thereby securing said unit in detachable engagement from said support.

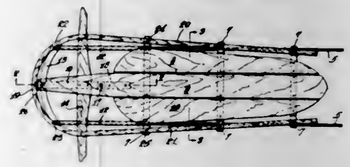
2,099,656

COASTER SLED

Charles Herbert Maneval, Duncannon, Pa., assignor to Standard Novelty Works, Duncannon, Pa., a corporation of Pennsylvania

Application January 16, 1937, Serial No. 120,890

4 Claims. (Cl. 280—22)



1. A hand sled having a resilient wooden front fender, the ends of the front fender being continued integrally to form resilient side fenders for the sled, the portion of the fender at the front at each side being curved where the side fenders and front fenders merge, whereas the resilience of the fenders causes it to yield to impact on the fender and subsequently to resume its shape.

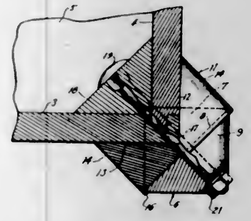
2,099,657

TABLE LEG CONSTRUCTION

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Co., Chicago, Ill., a corporation of Illinois

Application September 9, 1935, Serial No. 39,744

7 Claims. (Cl. 311—113)



2. A table leg and attaching means therefor comprising a leg member cut to provide a horizontal shoulder upon which a corner of the table may rest and a vertical attaching portion having a bearing surface facing the exterior of the corner of the table, a bearing member interposed between said attaching portion of the leg and the corner of the table and resting upon said shoulder, opposite sides of said member being shaped to conform to the table corner and the bearing surface of said attaching portion respectively, and means for clamping said bearing member and attaching portion to the corner of the table.

2,099,658

PREPARATION OF CHROMIC ACID AND SPARINGLY SOLUBLE CHROMATES

Richard Edgar Pearson and Walter Villa Gilbert, London, England; said Pearson assignor to said Gilbert

No Drawing. Application November 2, 1934, Serial No. 751,266. In Great Britain November 9, 1933

6 Claims. (Cl. 204—9)

1. A process for preparing compounds of chromium which comprises in combination the following steps in the order named:—

(*a*) Submitting to electrolysis an aqueous solution of an alkali bichromate without the addition of salts of other acids, using a chromium containing anode,

(*b*) Submitting the chromic acid liquor from (*a*) to further electrolysis in a cell provided with a porous partition between the anode and the cathode, using pure chromium as the anode, and

(*c*) Separating the anode liquor before substantial diffusion therein of the solution in the neighborhood of the cathode.

6. A process for preparing metallic chromate by electrolysis of an alkali bichromate solution without the addition of salts of other acids, characterized by selecting as anode a metal which dissolves under anodic action and separating the solution in the neighborhood of the anode from that in the neighborhood of the cathode by a porous partition, the cathode and anode being of the same metal, and precipitating the chromate in the anode solution simultaneously with the production of fresh anode liquor by transferring the cathode to the anode compartment and the anode to the cathode compartment and continuing the electrolysis.

2,099,659

STERILIZATION OF LYOPHILIC BIOLOGICALLY ACTIVE SUBSTANCES

John Reichel, Philadelphia, Pa., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application March 16, 1937, Serial No. 131,259

8 Claims. (Cl. 167—78)

1. The improvement in the production of solid lyophilic biologically active substances by rapid freezing of liquid biologically active substances and the removal of water therefrom while in a solid frozen state under a high vacuum, which comprises adding to the liquid biologically active substance, shortly before it is subjected to such treatment, a small amount of an organic mercurial having one bond of the mercury linked directly to a carbon of a benzene ring structure.

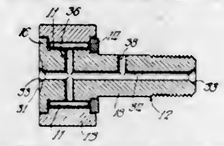
2,099,660

BEARING

Thomas L. Robinson, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana

Application November 21, 1936, Serial No. 112,064

2 Claims. (Cl. 74—569)



1. A cam follower including a stud having as integral portions a circular head plate, a hub

portion, and a threaded shank portion; a roller ring carried by said hub portion and rotatable with respect thereto having a counterbore at each side thereof with said head-plate in one of said counter-bores, a spacing and retaining collar frictionally and rigidly secured on said shank substantially at the juncture of the hub portion and shank portion of said stud and lying in the other of said counter-bores, with said collar wider than said other counter-bore, and roller bearings between said hub portion and said roller retained against movement axially of said follower by said stud head plate and said retaining collar.

2,099,661

STRIP BEARING

Robert E. Brunswick Sharp, Philadelphia, Pa., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application April 12, 1934, Serial No. 720,196

8 Claims. (Cl. 308—239)



1. A bearing comprising a supporting housing having a curved wall, a plurality of strip bearings supported against said wall in partial spaced relation thereto, and means including a complementary projection and recess operatively associated with adjacent bearing strips for interlocking said bearing strips and for allowing the same to be adapted for use in bearings of different diameters while still retaining a normal operative relation to its supporting wall and between the strips.

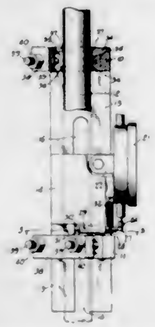
2,099,662

DYNAMOMETER

John C. Slonneger, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application April 13, 1935, Serial No. 16,181

5 Claims. (Cl. 265—1)



2. A dynamometer for measuring stresses in a rod-like member, said dynamometer comprising a pair of spaced clamps for application to said member, a connection between said clamps adjustable to determine the initial spacing thereof and releasable to permit relative movement between said clamps in response to stress changes in said member, means responsive to relative movement between said clamps for indicating the magnitude of stress changes in said member, and a carrier for said means adjustably mounted on said connection to render said means effective in the various spaced positions of said clamps.

2,099,663

HANDBAG STRUCTURE

Preston Upham, Brookline, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application May 10, 1935, Serial No. 20,742

2 Claims. (Cl. 150—29)



1. A handbag frame having a pair of frame members of channel-shaped cross-section formed with bottom and side walls, a hinge construction for each end of the frame, each hinge construction comprising a flat ear formed as an extension of the channel bottom of one frame member at the end thereof and constituting the sole hinge element for that frame member, a hollow bearing formed as an extension of one of the side walls of the other frame member and constituting the sole hinge element for that frame member, and a hinge pin passing through said ear and bearing and securing them in pivotally assembled relation.

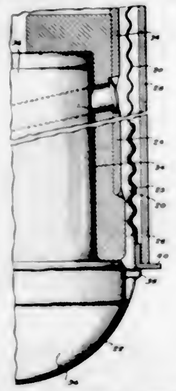
2,099,664

APPARATUS FOR DRIVING PILE SHELLS

Elihu D. Watt, Plainfield, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey

Original application April 5, 1933, Serial No. 664,517. Divided and this application July 2, 1935, Serial No. 29,509

7 Claims. (Cl. 61—57)



1. A device of the class described comprising a pile shell, a boot permanently attached to the lower end of said shell and adapted to receive a drive core in shell driving relation, means engaging the boot adapted to support a casing surrounding said shell and to engage the ground as well as the boot for preventing said boot and shell from rising during the withdrawal of the core and casing after said shell has been sunk into the ground.

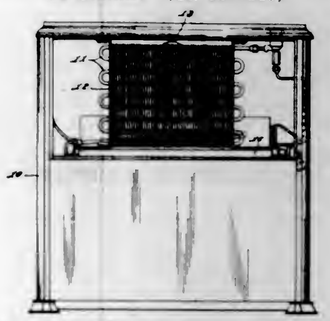
2,099,665

DEHUMIDIFIER

Russell T. Smith, Indianapolis, Ind., assignor to Climax Machinery Company, Indianapolis, Ind., a corporation of Indiana

Application March 1, 1937, Serial No. 128,523

11 Claims. (Cl. 62—140)



2. In a device for conditioning air, a cooling unit comprising a conduit for refrigerant and a series of fins disposed in substantially parallel vertical planes and in intimate contact with said conduit, means for directing over said cooling unit a stream of air to be conditioned, and means for circulating a fluid refrigerating medium through said conduit at a rate to effect condensation of moisture from such air stream upon said fins without causing freezing thereof, adjacent fins of the series being spaced apart at least approximately 0.0505 inch but not more than 0.113 inch.

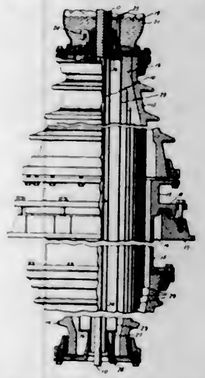
2,099,666

HIGH VOLTAGE LIQUID-FILLED BUSHING

Stephen Terpak, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application June 30, 1937, Serial No. 151,187

4 Claims. (Cl. 173—318)



1. A high voltage bushing including a casing surrounding a conductor, an expansion chamber at one end of the casing, an insulating liquid in the casing and extending into and partly filling the expansion chamber, an expansion chamber within said casing and communicating with the space above the liquid in the other expansion chamber, and a gas in said expansion chambers, said expansion chambers being sealed from the outside air.

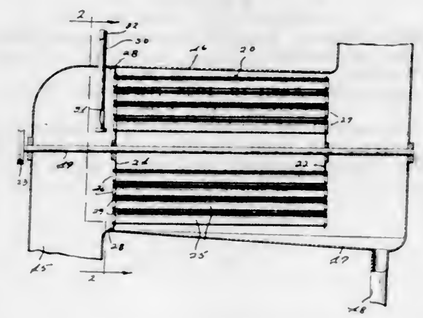
2,099,667

GAS TREATING APPARATUS

Curtis L. Howse, Willis P. Thomas, and Frank Bowers, Detroit, Mich., assignors to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan

Application May 24, 1934, Serial No. 727,328

18 Claims. (Cl. 261—90)



1. In combination, a gas passage, means for moving a plurality of rundles through said passage so that the gas flowing through said passage must contact portions of the surfaces of said rundles, fluid spraying means for coating the surfaces of said rundles which are contacted by the gas with a dust-collecting fluid and additional fluid spraying means for flushing the coated surfaces of said rundles to clean the same.

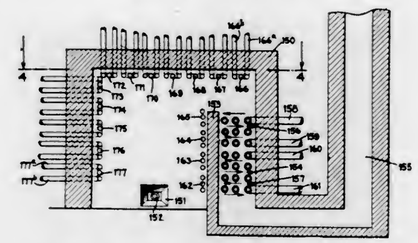
2,099,668

METHOD FOR CRACKING OILS IN THE VAPOR PHASE

Percy C. Keith, Jr., Peapack, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Original application November 9, 1933, Serial No. 697,283, which in turn is a division of Serial No. 323,005, December 1, 1928. Divided and this application December 6, 1935, Serial No. 53,143

2 Claims. (Cl. 196—47)



1. In the conversion of hydrocarbon oils, the process that comprises passing relatively heavy charging stock in a stream of restricted cross-sectional area through a heating zone and heating said stream with hot combustion gases substantially only by convection heat and then separating the resulting stream into vapors and unvaporized oil, fractionating said vapors to form a plurality of condensates, separately heating said condensates in independent streams of restricted cross-sectional area at a relatively high rate of heat transfer substantially only by radiant heat to rapidly raise the said condensates to desired

cracking temperatures, burning fuel to supply radiant heat to said condensate streams and passing the combustion gases formed, substantially unobstructed by said condensate streams, to said heating zone and thereby supplying convective heat thereto.

2,099,669
INSULATED COVER
Ralph L. Bangs, Wakefield, and William A. Hermanson, Brighton, Mass., assignors to Forest Wadding Company, Boston, Mass.
Application April 19, 1935, Serial No. 17,212
5 Claims. (Cl. 229—53)

1. An article of the kind described, comprising a water-proof hood, having normally two flat sides adhered together, with edges joined forming a cover with an open bottom and an insulating liner comprising a sheet folded above itself,

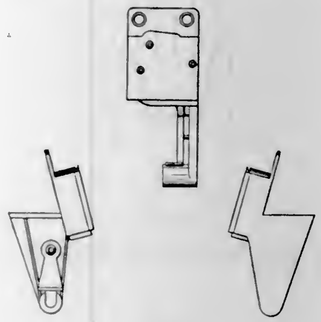


and having its edges come together at the top of the cover, said liner being filled with an insulating material.

DESIGNS

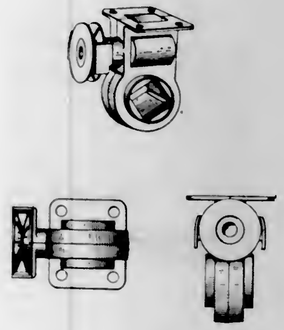
NOVEMBER 16, 1937

106,955
DESIGN FOR A COMBINATION BEARING SUPPORT, RETAINER, AND STOP ATTACHMENT FOR VENETIAN BLINDS
Edwin Anderson, Los Angeles, Calif., assignor to Anderson Die Casting and Engineering Corporation, Los Angeles, Calif., a corporation of California
Application May 11, 1937, Serial No. 69,300
Term of patent 14 years



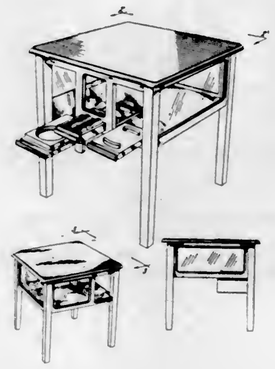
The ornamental design for a combination bearing support, retainer, and stop attachment for Venetian blinds, as shown.

106,956
DESIGN FOR A VENETIAN BLIND TILTING DEVICE
Edwin Anderson, Los Angeles, Calif., assignor to Anderson Die Casting and Engineering Corporation, Los Angeles, Calif., a corporation of California
Application May 11, 1937, Serial No. 69,301
Term of patent 14 years



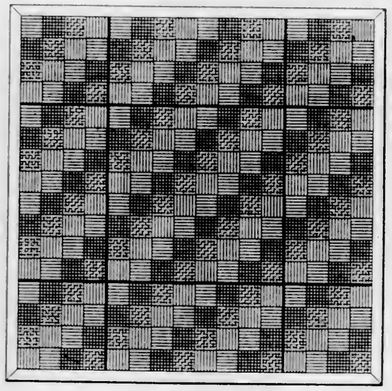
The ornamental design for a Venetian blind tilting device, as shown and described.

106,957
DESIGN FOR A TABLE
Archie H. Bechtol, Daytona Beach, Fla.
Application September 20, 1937, Serial No. 71,692
Term of patent 3½ years



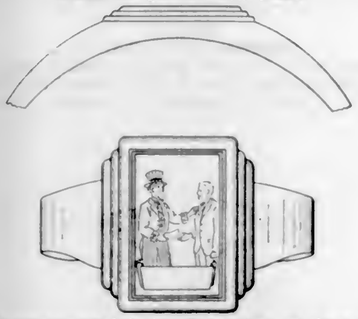
The ornamental design for a table, as shown.

106,958
DESIGN FOR A GAME BOARD
Morris A. Bell, Oshkosh, Wis.
Application February 25, 1937, Serial No. 67,850
Term of patent 7 years



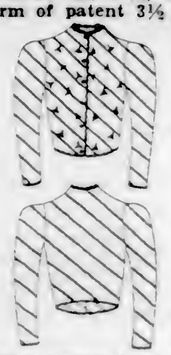
The ornamental design for a game board, as shown and described.

106,959
DESIGN FOR A RING
Richard J. Blooston and Thomas K. Kelly, Jr., Minneapolis, Minn.
Application April 29, 1937, Serial No. 69,048
Term of patent 3½ years



The ornamental design for a ring, as shown and described.

106,960
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application October 16, 1937, Serial No. 72,228
Term of patent 3½ years



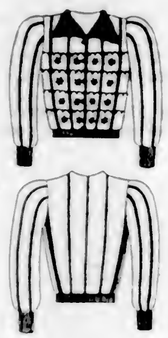
The ornamental design for a sweater substantially as shown.

106,961
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application October 16, 1937, Serial No. 72,229
Term of patent 3½ years



The ornamental design for a sweater substantially as shown.

106,962
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application October 16, 1937, Serial No. 72,230
Term of patent 3½ years



The ornamental design for a sweater substantially as shown.

106,963
DESIGN FOR A NECKLACE OR ANALOGOUS ARTICLE
Alice Spalding Bowen, Honolulu, Territory of Hawaii, and Truman Bailey, San Francisco, Calif., assignors to S. & G. Gump Co., a corporation of California
Application July 6, 1937, Serial No. 70,280
Term of patent 14 years



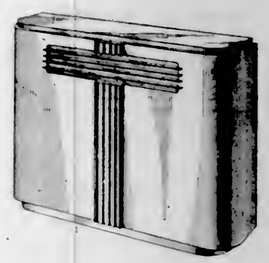
The ornamental design for a necklace or analogous article substantially as shown and described.

106,964
DESIGN FOR A NECKLACE OR ANALOGOUS ARTICLE
Alice Spalding Bowen, Honolulu, Territory of Hawaii, and Truman Bailey, San Francisco, Calif., assignors to S. & G. Gump Co., a corporation of California
Application July 6, 1937, Serial No. 70,281
Term of patent 14 years



The ornamental design for a necklace or analogous article substantially as shown and described.

106,965
DESIGN FOR A CIRCULATING GAS HEATER
William T. Bradbury, Palo Alto, Calif., assignor to James Graham Manufacturing Co., San Francisco, Calif., a corporation of California
Application September 8, 1937, Serial No. 71,505
Term of patent 7 years



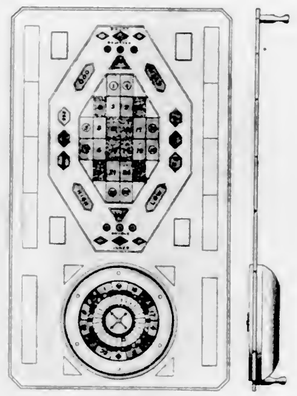
The ornamental design for a circulating gas heater, as shown and described.

106,966
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Alexander Crane, Cheshire, Conn.
Application October 1, 1937, Serial No. 71,917
Term of patent 14 years



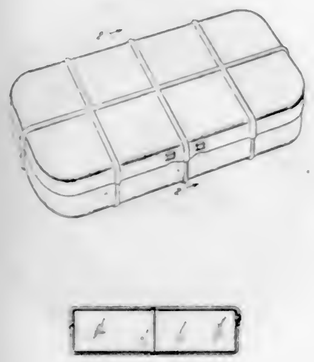
The ornamental design for a plate or similar article, as shown, and described.

106,967
DESIGN FOR A COMBINATION GAME BOARD AND APPARATUS OR SIMILAR ARTICLE
Richard W. Danon, Chicago, Ill.
Application February 25, 1937, Serial No. 67,849
Term of patent 7 years



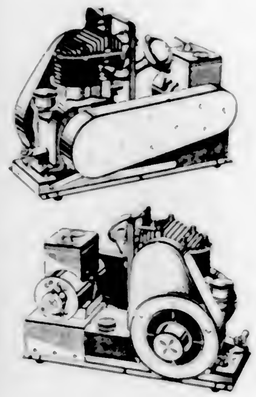
The ornamental design for a combination game board and apparatus or similar article, substantially as shown.

106,968
DESIGN FOR A BOX OR SIMILAR ARTICLE
William J. De Witt, Auburn, N. Y.
Application March 20, 1937, Serial No. 68,296
Term of patent 14 years



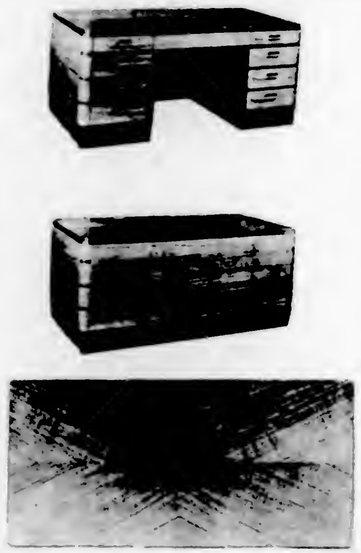
The ornamental design for a box or similar article substantially as shown.

106,969
DESIGN FOR A PORTABLE POWER UNIT
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application April 5, 1937, Serial No. 68,558
Term of patent 14 years



The ornamental design for a portable power unit, as shown.

106,970
DESIGN FOR A DESK
Paul M. Fuller, Chicago, Ill., assignor to Clemco Desk Mfg. Co., Chicago, Ill., a corporation of Illinois
Application January 30, 1937, Serial No. 67,355
Term of patent 7 years



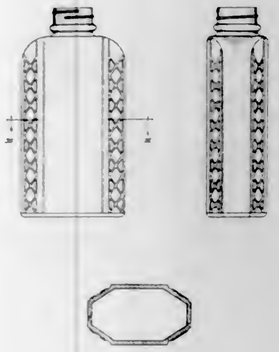
The ornamental design for a desk substantially as shown.

106,971
DESIGN FOR A BOWL OR SIMILAR ARTICLE OF HOLLOW WARE
George Thornton Gilby, Brighton, England, assignor to The Wallingford Company, Incorporated, Wallingford, Conn., a corporation of Connecticut
Application September 22, 1937, Serial No. 71,718
Term of patent 14 years



The ornamental design for a bowl or similar article of hollow ware substantially as shown and described.

106,972
DESIGN FOR A GLASS BOTTLE
James Telford Hamilton, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application October 1, 1937, Serial No. 71,916
Term of patent 14 years



The ornamental design for a glass bottle substantially as shown.

106,973
DESIGN FOR A TUMBLER
Melvin O. Hansen, Toledo, Ohio, assignor to Libbey Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1937, Serial No. 68,750
Term of patent 7 years



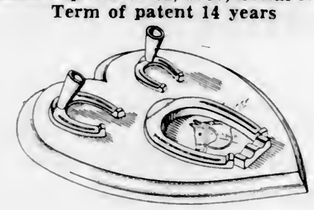
The ornamental design for a tumbler substantially as shown.

106,974
DESIGN FOR A PLAQUE
Hugo Heizmann, Boston, Mass.
Application September 21, 1937, Serial No. 71,710
Term of patent 14 years



The ornamental design for a plaque as shown.

106,975
DESIGN FOR A COMBINATION PENCIL STAND AND ASHTRAY
Hugo Heizmann, Boston, Mass.
Application September 21, 1937, Serial No. 71,711
Term of patent 14 years



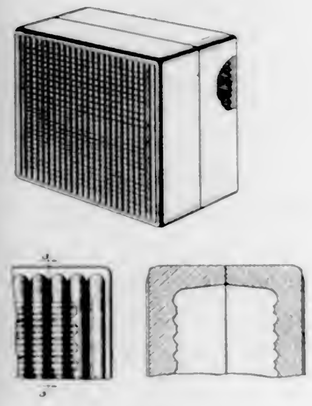
The ornamental design for a combination pencil stand and ashtray as shown.

106,976
DESIGN FOR A COMBINED CAKE OF SOAP AND SUPPORT THEREFOR
Lynde De F. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York
Application April 22, 1937, Serial No. 68,940
Term of patent 14 years



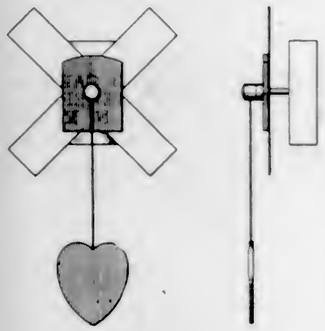
The ornamental design for a combined cake of soap and support therefor, as shown and described.

106,977
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
Minot K. Holmes, Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1937, Serial No. 71,899
Term of patent 14 years



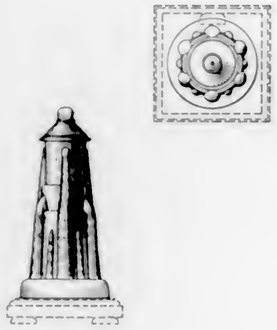
The ornamental design for a hollow glass building block substantially as shown and described.

106,978
DESIGN FOR AN INDICATING NOVELTY FOR A TOILET DOOR
Daniel Paul Iddings, San Francisco, Calif.
Application July 6, 1937, Serial No. 70,269
Term of patent 14 years



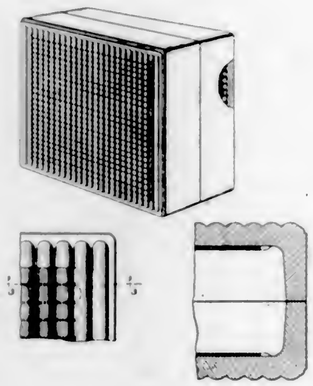
The ornamental design for an indicating novelty for a toilet door, substantially as shown.

106,979
DESIGN FOR A DISPENSER CASING OR SIMILAR ARTICLE
Gustav F. Ingwersen, Denver, Colo.
Application April 2, 1937, Serial No. 68,517
Term of patent 7 years



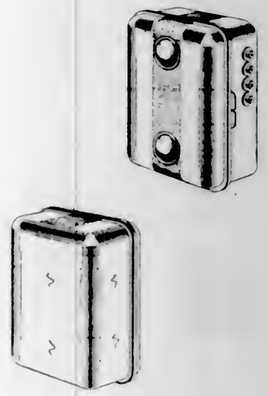
The ornamental design for a dispenser casing or similar article, as shown.

106,980
DESIGN FOR A HOLLOW GLASS BUILDING BLOCK
David Jones, Muncie, Ind., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 30, 1937, Serial No. 71,904
Term of patent 14 years



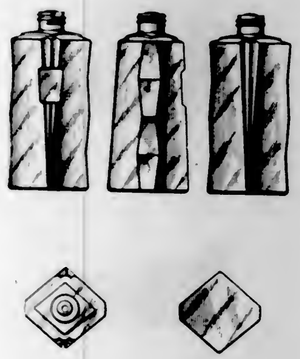
The ornamental design for a hollow glass building block, substantially as shown and described.

106,981
DESIGN FOR AN ELECTRIC FENCE CONTROLLER CABINET
Daniel Allcott Kelly, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 28, 1937, Serial No. 71,374
Term of patent 14 years



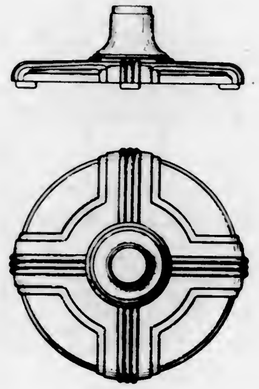
The ornamental design for an electric fence controller cabinet, as shown and described.

106,982
DESIGN FOR A BOTTLE
William Richard Kohl, Cumberland, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application October 2, 1937, Serial No. 71,933
Term of patent 14 years



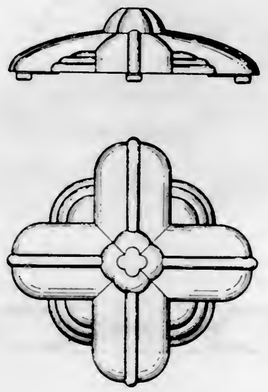
The ornamental design for a bottle, as shown.

106,983
DESIGN FOR A BASE FOR ELECTRIC FANS OR THE LIKE
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1937, Serial No. 71,090
Term of patent 7 years



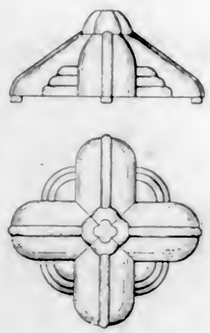
The ornamental design for a base for electric fans or the like, substantially as shown.

106,984
DESIGN FOR A BASE FOR ELECTRIC FANS OR THE LIKE
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1937, Serial No. 71,092
Term of patent 7 years



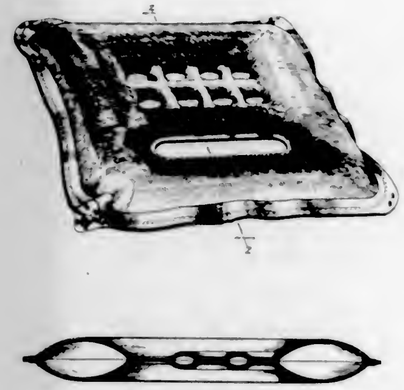
The ornamental design for a base for electric fans or the like, substantially as shown.

106,985
DESIGN FOR A BASE FOR ELECTRIC FANS OR THE LIKE
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 14, 1937, Serial No. 71,093
Term of patent 7 years



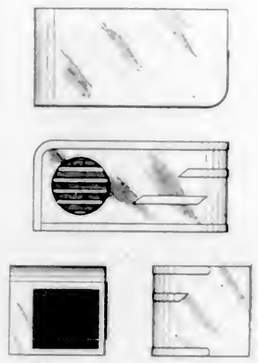
The ornamental design for a base for electric fans or the like substantially as shown.

106,986
DESIGN FOR A PNEUMATIC CUSHION
Frank G. Manson, Dayton, Ohio
Application September 9, 1937, Serial No. 71,527
Term of patent 3½ years



The ornamental design for a pneumatic cushion substantially as shown.

106,987
DESIGN FOR AN AIR CONDITIONING MACHINE CASING
Guy Paschal, New York, N. Y.
Application September 28, 1936, Serial No. 65,038
Term of patent 3½ years



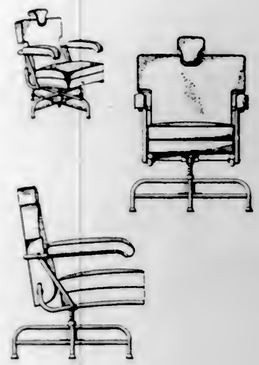
The ornamental design for an air conditioning machine casing, as shown.

106,988
DESIGN FOR A SACHET
Isidore Perlmutter, New York, N. Y.
Application October 8, 1937, Serial No. 72,073
Term of patent 7 years



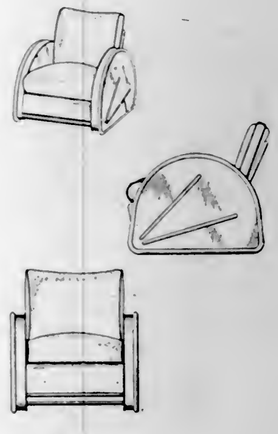
The ornamental design for a sachet, as shown.

106,989
DESIGN FOR A CHAIR
Irving Salomon, Chicago, Ill.
Application August 12, 1937, Serial No. 71,030
Term of patent 7 years



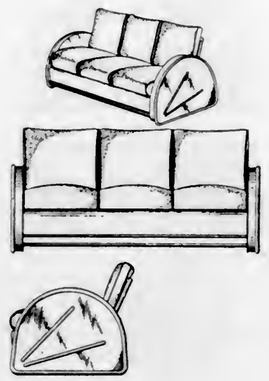
The ornamental design for a chair, as shown.

106,990
DESIGN FOR A CHAIR
Irving Salomon, Chicago, Ill.
Application August 12, 1937, Serial No. 71,035
Term of patent 7 years



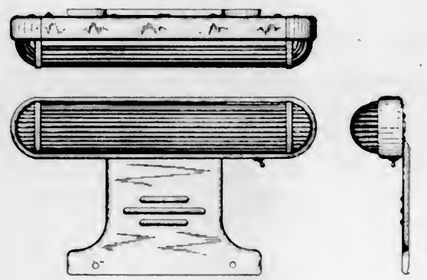
The ornamental design for a chair, as shown.

106,991
DESIGN FOR A SETTEE
Irving Salomon, Chicago, Ill.
Application August 12, 1937, Serial No. 71,036
Term of patent 7 years



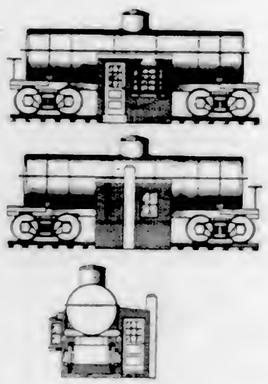
The ornamental design for a settee, as shown.

106,992
DESIGN FOR A COMBINED RANGE LAMP AND BRACKET
Lawrence R. Schroeder, Lakewood, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1937, Serial No. 67,817
Term of patent 7 years



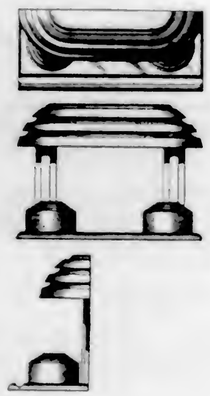
The ornamental design for a combined range lamp and bracket, as shown.

106,993
DESIGN FOR A SERVICE STATION BUILDING
Bernard M. Solomon, Montgomery, Ala.
Application August 4, 1937, Serial No. 70,850
Term of patent 14 years



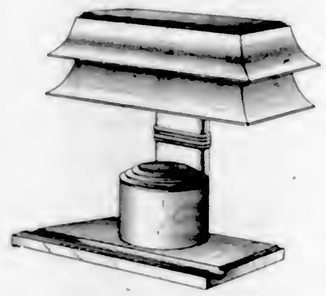
The ornamental design for a service station building, as shown.

106,994
DESIGN FOR A DESK LAMP OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,262
Term of patent 14 years



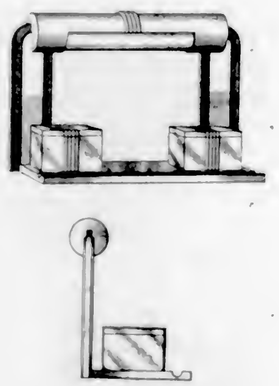
The ornamental design for a desk lamp or similar article, substantially as shown.

106,995
DESIGN FOR A DESK LAMP OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,263
Term of patent 14 years



The ornamental design for a desk lamp or similar article, substantially as shown, and described.

106,996
DESIGN FOR A DESK LAMP OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,264
Term of patent 14 years



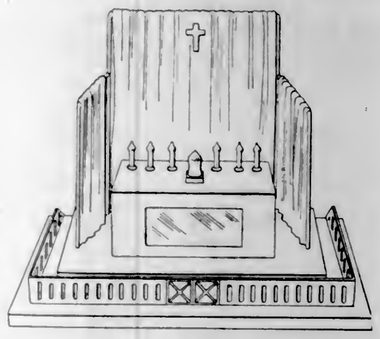
The ornamental design for a desk lamp or similar article, substantially as shown.

106,997
DESIGN FOR A CAN RACK
Erskine D. Thompson, Burlingame, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application July 26, 1937, Serial No. 70,664
Term of patent 14 years



The ornamental design for a can rack, as shown.

106,998
DESIGN FOR A MASS CARD HOLDER
Albert Van Hoe, East Moline, Ill.
Application August 27, 1937, Serial No. 71,353
Term of patent 7 years



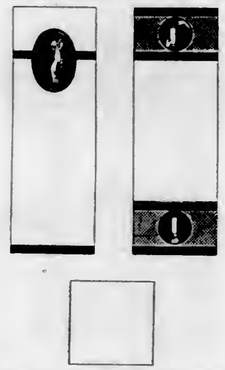
The ornamental design for a mass card holder as shown.

106,999
DESIGN FOR A WINDOW SHADE GUARD
Robert F. Willis, Detroit, Mich.
Application October 12, 1936, Serial No. 65,274
Term of patent 7 years



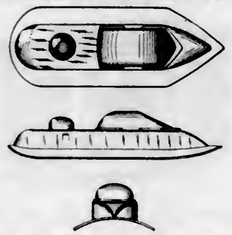
The ornamental design for a window shade guard, as shown.

107,000
DESIGN FOR A CARTON OR SIMILAR ARTICLE
Georges Wilmet, New York, N. Y., assignor to Dixie-Vortex Company, Easton, Pa., a corporation of Delaware
Application August 25, 1937, Serial No. 71,325
Term of patent 14 years



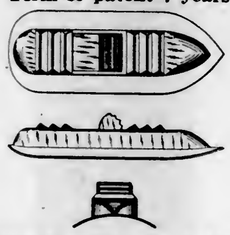
The ornamental design for a carton or similar article as shown and described.

107,001
DESIGN FOR A SWITCH HOUSING FOR FLASHLIGHTS
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application May 14, 1937, Serial No. 69,351
Term of patent 7 years



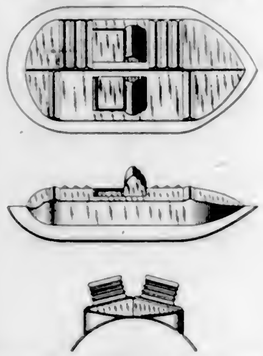
The ornamental design for a switch housing for flashlights as shown.

107,002
DESIGN FOR A SWITCH HOUSING FOR FLASHLIGHTS
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application May 14, 1937, Serial No. 69,352
Term of patent 7 years



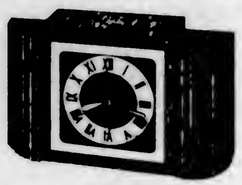
The ornamental design for a switch housing for flashlights as shown.

107,003
DESIGN FOR A SWITCH HOUSING FOR FLASHLIGHTS
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application May 14, 1937, Serial No. 69,353
Term of patent 7 years



The ornamental design for a switch housing for flashlights as shown.

107,004
DESIGN FOR A CLOCK CASE
Jacques M. Bars, New York, N. Y., assignor to Warren Telechron Company, a corporation of Maine
Application October 5, 1937, Serial No. 71,982
Term of patent 14 years



The ornamental design for a clock case as shown.

107,005
DESIGN FOR A RUG
Richard F. Bemporad, New York, N. Y.
Application September 24, 1937, Serial No. 71,775
Term of patent 7 years



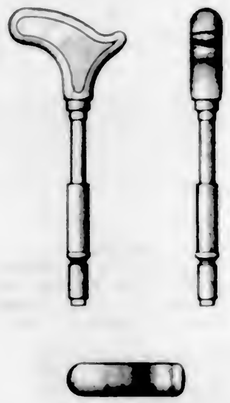
The ornamental design for a rug, as shown.

107,006
DESIGN FOR A WRAPPING PAPER OR SIMILAR ARTICLE
Theodore L. Carter, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application October 4, 1937, Serial No. 71,951
Term of patent 7 years



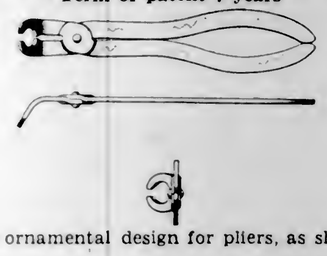
The ornamental design for a wrapping paper or similar article, as shown.

107,007
DESIGN FOR A PISTOL-GRIP SCREW DRIVER
Joseph M. Cashmore, Chicago, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application January 14, 1937, Serial No. 67,064
Term of patent 14 years



The ornamental design for a pistol-grip screw driver, as shown.

107,008
DESIGN FOR PLIERS
Martin C. Dellinger, Lancaster, Pa.
Application March 25, 1936, Serial No. 61,782
Term of patent 7 years



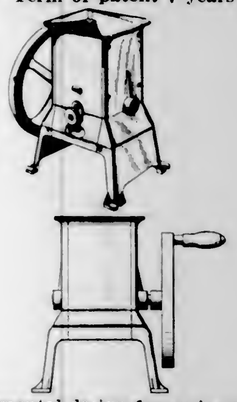
The ornamental design for pliers, as shown.

107,009
DESIGN FOR A SHOE
Tima Dronoff, New York, N. Y.
Application October 8, 1937, Serial No. 72,062
Term of patent 3½ years



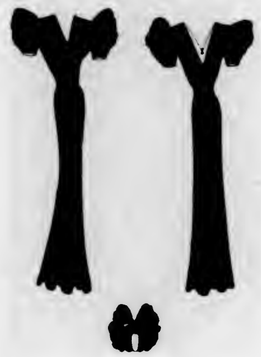
The ornamental design for a shoe substantially as shown.

107,010
DESIGN FOR AN ICE CRUSHER
Thomas J. Fegley, Jenkintown, and George O. Leopold, Philadelphia, Pa., assignors to North Bro's M'f'g Co., Philadelphia, Pa., a corporation of Pennsylvania
Application September 27, 1937, Serial No. 71,826
Term of patent 7 years



The ornamental design for an ice crusher, substantially as shown.

107,011
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application August 9, 1937, Serial No. 70,917
Term of patent 3½ years



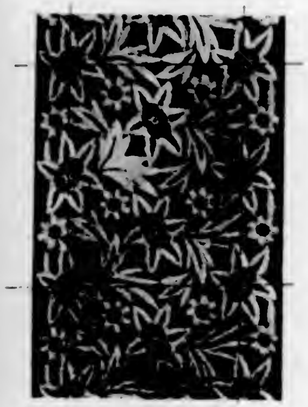
The ornamental design for a dress substantially as shown.

107,012
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application August 14, 1937, Serial No. 71,085
Term of patent 3½ years



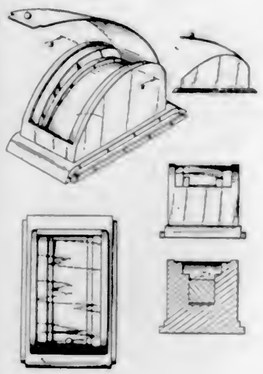
The ornamental design for a dress substantially as shown.

107,013
DESIGN FOR A LACE
Paul Groebli, New York, N. Y.
Application October 22, 1937, Serial No. 72,365
Term of patent 3½ years



The ornamental design for a lace substantially as shown and described.

107,014
DESIGN FOR A DISPLAY CONTAINER FOR JEWELRY OR SIMILAR ARTICLES
John B. Guttman, Brooklyn, N. Y., assignor to Jacob J. Schmukler and Bernard M. Schmukler, co-partners doing business as J. J. Schmukler & Son
Application October 7, 1937, Serial No. 72,037
Term of patent 3½ years



The ornamental design for a display container for jewelry or similar articles, as shown.

107,015
DESIGN FOR AN ARTIFICIAL BOUTONNIERE
Harry Haimes, New York, N. Y.
Application October 6, 1937, Serial No. 71,988
Term of patent 3½ years



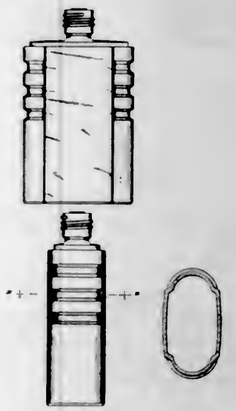
The ornamental design for an artificial boutonniere, substantially as shown, and described.

107,016
DESIGN FOR A RING MOUNTING OR SIMILAR ARTICLE OF JEWELRY
Paul E. Hanson, Seattle, Wash.
Application May 4, 1937, Serial No. 69,160
Term of patent 7 years



The ornamental design for a ring mounting or similar article of jewelry, as shown.

107,017
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application August 18, 1937, Serial No. 71,167
Term of patent 14 years



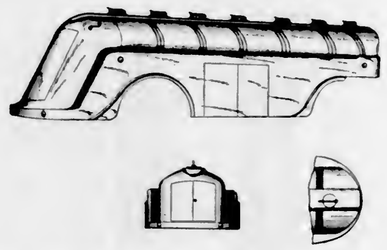
The ornamental design for a glass bottle substantially as shown.

107,018
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application October 15, 1937, Serial No. 72,207
Term of patent 14 years



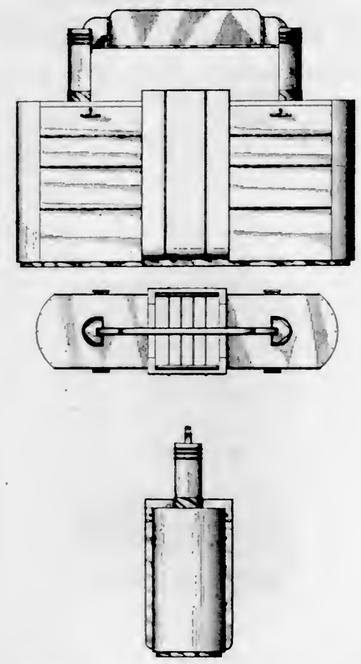
The ornamental design for a spoon or other article of flatware, substantially as shown and described.

107,019
DESIGN FOR A TRAILER TANK VEHICLE BODY
Joseph M. Kramer and Hugh A. Mullin, Kansas City, Mo.; said Mullin and said Kramer assignors to Andrew A. Kramer, Kansas City, Mo.
Application September 20, 1935, Serial No. 58,631
Term of patent 14 years



The ornamental design for a trailer tank vehicle body substantially as shown.

107,020
DESIGN FOR A COMBINED HOSE TOWER AND CABINET FOR AUTOMOBILE SERVICE STATIONS OR SIMILAR ARTICLES
Willis A. Kropp, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application July 8, 1937, Serial No. 70,301
Term of patent 3½ years



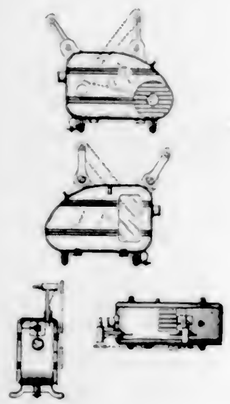
The ornamental design for a combined hose tower and cabinet for automobile service stations or similar articles, as shown.

107,021
DESIGN FOR A COAT
Benjamin Lefrak, New York, N. Y.
Application October 20, 1937, Serial No. 72,329
Term of patent 3½ years



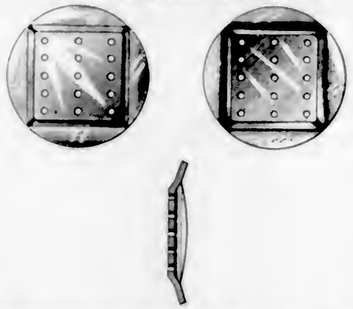
The ornamental design for a coat, substantially as shown.

107,022
DESIGN FOR A PROJECTOR
Max Levey, Chicago, Ill., assignor to Excel Projector Corp., Chicago, Ill., a corporation of Illinois
Application October 1, 1937, Serial No. 71,921
Term of patent 7 years



The ornamental design for a projector, as shown.

107,023
DESIGN FOR A BUTTON
Jesse S. Lichter, Lawrence, N. Y.
Application June 19, 1937, Serial No. 69,920
Term of patent 3½ years



The ornamental design for a button, as shown and described.

107,024
DESIGN FOR A BOTTLE
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,728
Term of patent 7 years



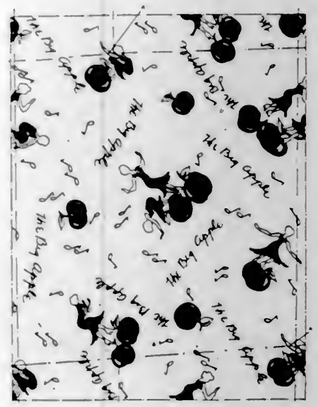
The ornamental design for a bottle as shown.

107,025
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo.
Application October 8, 1937, Serial No. 72,063
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,026
DESIGN FOR A TEXTILE FABRIC
Sidney Messer, New York, N. Y.
Application October 16, 1937, Serial No. 72,225
Term of patent 3½ years



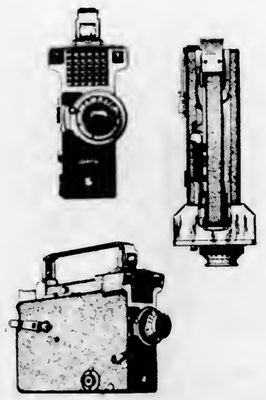
The ornamental design for a textile fabric substantially as shown and described.

107,027
DESIGN FOR A TEXTILE FABRIC
Sidney Messer, New York, N. Y.
Application October 16, 1937, Serial No. 72,226
Term of patent 3½ years



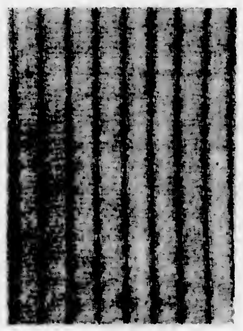
The ornamental design for a textile fabric substantially as shown and described.

107,028
DESIGN FOR A MOTION PICTURE CAMERA
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 8, 1937, Serial No. 72,074
Term of patent 14 years



The ornamental design for a motion picture camera, substantially as shown.

107,029
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application October 5, 1937, Serial No. 71,975
Term of patent 14 years



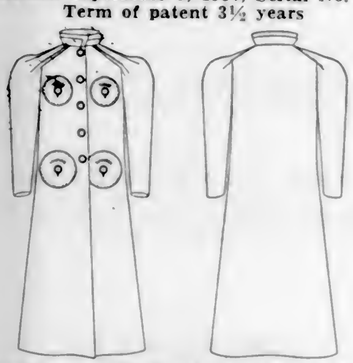
The ornamental design for a knitted fabric, substantially as shown and described.

107,030
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Earl W. Newton, Evanston, Ill., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application March 9, 1937, Serial No. 68,080
Term of patent 7 years



The ornamental design for a goblet or similar article, as shown.

107,031
DESIGN FOR A COAT
Nathan Prigozen, New York, N. Y.
Application September 9, 1937, Serial No. 71,513
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

107,032
DESIGN FOR A MEDALLION
Peter H. Raap, Oak Park, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application August 16, 1937, Serial No. 71,107
Term of patent 14 years



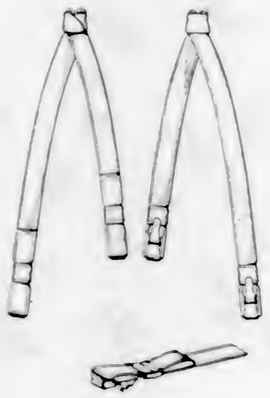
The ornamental design for a medallion as shown and described.

107,033
DESIGN FOR A SHOE
Morris Rosenston, Boston, Mass.
Application September 18, 1937, Serial No. 71,681
Term of patent 3½ years



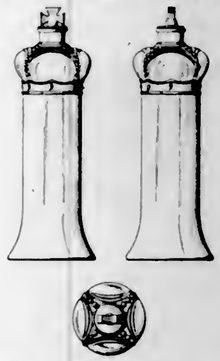
The ornamental design for a shoe, substantially as shown.

107,034
DESIGN FOR A COAT TIE
Morris Rosow, Philadelphia, Pa.
Application July 12, 1937, Serial No. 70,366
Term of patent 7 years



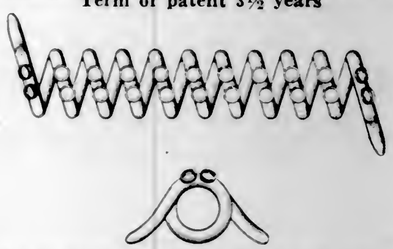
The ornamental design for a coat tie, as shown.

107,035
DESIGN FOR A COMBINED BOTTLE AND STOPPER
Eula Manes Stone, New York, N. Y., assignor to Prince Matchabelli, Inc., a corporation of New York
Application May 11, 1937, Serial No. 69,289
Term of patent 14 years



An ornamental design for a combined bottle and stopper as shown.

107,036
DESIGN FOR A FLOWER HOLDER
Lewis P. Weil, Germantown, Pa.
Application August 25, 1937, Serial No. 71,317
Term of patent 3½ years



The ornamental design for a flower holder as shown.

107,037
DESIGN FOR A BROOCH
Harold Weiner, Providence, R. I.
Application July 24, 1937, Serial No. 70,622
Term of patent 3½ years



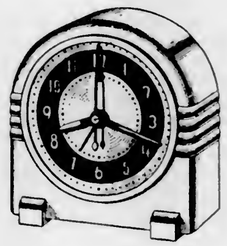
The ornamental design for a brooch substantially as shown.

107,038
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward P. Zawisza, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application October 15, 1937, Serial No. 72,204
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

107,039
DESIGN FOR A CLOCK CASE
Frank W. Green, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 6, 1937, Serial No. 72,025
Term of patent 14 years



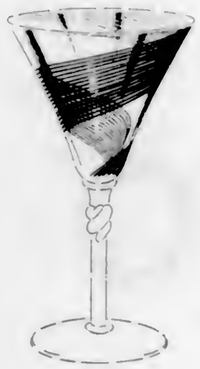
The ornamental design for a clock case as shown.

107,040
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application August 1, 1936, Serial No. 64,172
Term of patent 14 years



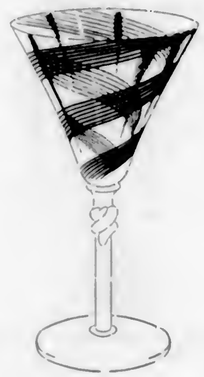
The ornamental design for a goblet or similar article as shown and described.

107,041
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 30, 1937, Serial No. 70,174
Term of patent 7 years



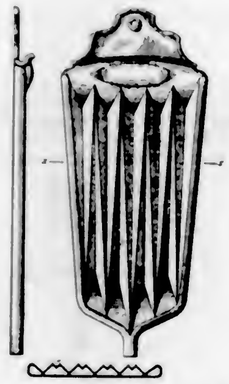
The ornamental design for a goblet or similar article as shown.

107,042
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 30, 1937, Serial No. 70,175
Term of patent 7 years



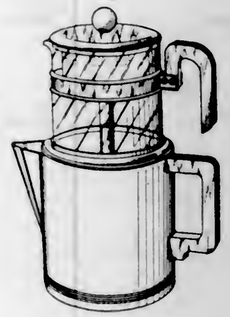
The ornamental design for a goblet or similar article as shown.

107,043
DESIGN FOR A FOUNTAIN BAG OR THE LIKE
Frank Dabroski, Matawan, N. J.
Application September 3, 1937, Serial No. 71,447
Term of patent 14 years



The ornamental design for a fountain bag or the like as shown.

107,044
DESIGN FOR A COFFEE PERCOLATOR
Samuel H. Geffner, Brooklyn, N. Y.
Application April 8, 1937, Serial No. 68,627
Term of patent 7 years



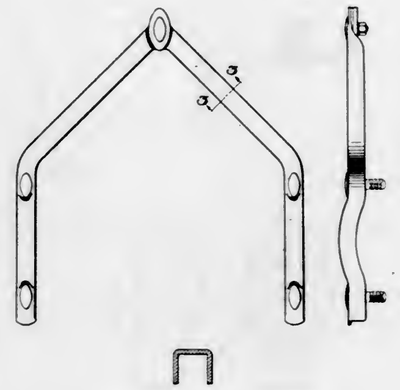
The ornamental design for a coffee percolator, as shown and described.

107,045
DESIGN FOR A HANDBAG
Arthur Harrison Love, New York, N. Y.
Application October 12, 1937, Serial No. 72,129
Term of patent 3½ years



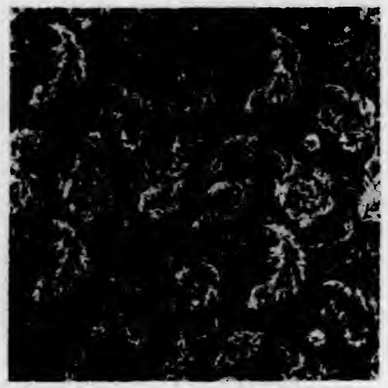
The ornamental design for a handbag, substantially as shown.

107,046
DESIGN FOR A VERTICAL BUMPER
William E. Porter, Lowell, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application June 19, 1937, Serial No. 69,926
Term of patent 7 years



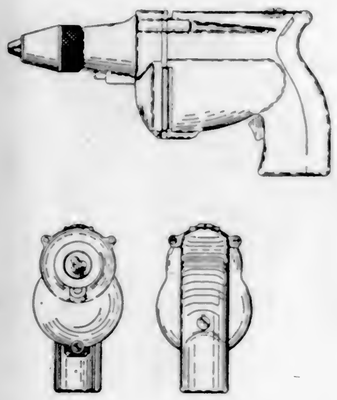
The ornamental design for a vertical bumper, substantially as shown.

107,047
DESIGN FOR A TEXTILE FABRIC
Bernard Adler, New York, N. Y.
Application October 27, 1937, Serial No. 72,463
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,048
DESIGN FOR A POWER DRIVEN HAND TOOL UNIT
Charles Desoutter, London, England
Application April 28, 1937, Serial No. 69,021
Term of patent 14 years



The ornamental design for a power driven hand tool unit, as shown.

107,049
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 14, 1937, Serial No. 72,174
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

107,050
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 14, 1937, Serial No. 72,177
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,051
DESIGN FOR A DRESS
Harry Goldman, New York, N. Y.
Application October 14, 1937, Serial No. 72,179
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

107,052
DESIGN FOR A DRESS
Harry Goldman, New York, N. Y.
Application October 20, 1937, Serial No. 72,327
Term of patent 3½ years



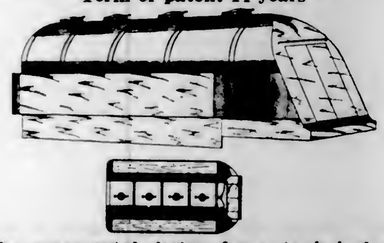
The ornamental design for a dress, substantially as shown.

107,053
DESIGN FOR A DRESS
Harry Goldman, New York, N. Y.
Application October 20, 1937, Serial No. 72,328
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,054
DESIGN FOR A TANK BODY FOR VEHICLES
Andrew A. Kramer, Joseph M. Kramer, and Ward M. Gadberry, Kansas City, Mo.; said Gadberry and said Joseph M. Kramer assignors to said Andrew A. Kramer
Application August 24, 1935, Serial No. 58,282
Term of patent 14 years



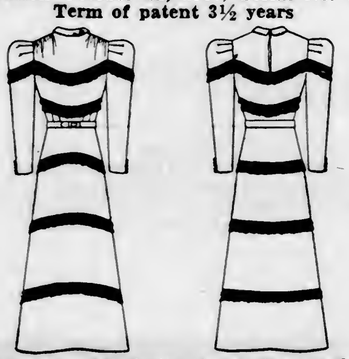
The ornamental design for a tank body for vehicles substantially as shown.

107,055
DESIGN FOR A DRESS
Elfie N. Perper, New York, N. Y.
Application October 22, 1937, Serial No. 72,367
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,056
DESIGN FOR A DRESS
David William Price, New York, N. Y.
Application October 21, 1937, Serial No. 72,349
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,057
DESIGN FOR A DRESS
Philip Schleasel, New York, N. Y.
Application October 14, 1937, Serial No. 72,180
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,058
DESIGN FOR A NEGLIGEE
Ethel Eaton Stricker, New York, N. Y.
Application September 27, 1937, Serial No. 71,818
Term of patent 3½ years



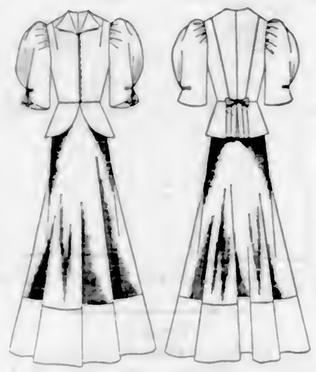
The ornamental design for a negligee, substantially as shown.

107,059
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application October 27, 1937, Serial No. 72,461
Term of patent 3½ years



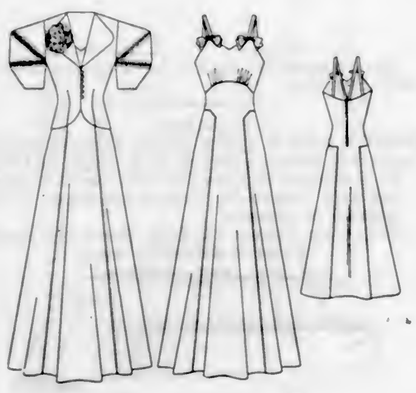
The ornamental design for a textile fabric substantially as shown.

107,060
DESIGN FOR A DRESS
Irving Aaronson, New York, N. Y.
Application October 23, 1937, Serial No. 72,380
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,061
DESIGN FOR A DRESS ENSEMBLE
Philip Wenett, New York, N. Y.
Application October 22, 1937, Serial No. 72,360
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown and described.

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November 23, 1937

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Patents	639—No.	2,099,670 to No.	2,100,308, inclusive.
Designs	147—No.	107,062 to No.	107,208, inclusive.
Total	1,043		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,017,551, E. E. Statter, Sanitary napkin belt clasp, decided October 25, 1937, claims 2 and 3.

Pat. 2,042,450, E. O. Blodgett, Centralized traffic controlling system for railroads, decided October 12, 1937, claims 1, 9, 13, 14, 16, and 17.

Pat. 2,042,670, R. C. Leake, Centralized traffic control system, decided November 3, 1937, claims 1, 2, and 8.

Pat. 2,045,900, O. H. Dicke, Interlocking system for railroads, decided November 4, 1937, claims 1, 2, and 3.

Pat. 2,067,037, E. C. Alexander, Crossing slab, decided October 29, 1937, claim 4.

Pat. 2,079,157, Martin De Lin, Circulation control for furnaces, decided October 30, 1937, claims 1 and 2.

Pat. 2,072,789, I. A. Anson. Hydrocarbon process, decided October 29, 1937, claim 1.

Interference Notices

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Florida Citrus Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 15, 1927, No. 224,038, to Florida Citrus Products Corporation, Haines City, Florida, and 136 Franklin St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Florida Citrus Products Corporation at the said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Florida Citrus Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Charles N. Cox, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 21, 1928, No. 239,038, to Charles N. Cox, 421 Flamingo Drive, West Palm Beach, Florida, and the Office having been unable to obtain satisfactory service upon said Cox, notice is hereby given that unless said Charles N. Cox, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Drawings

Attention is called to paragraphs *g* and *i* of Rule 52 of the Rules of Practice of the Patent Office, and inventors and attorneys are directed to omit from the space outside of the marginal line of the drawings any marks of identification, inasmuch as the space referred to is reserved for the use of the Patent Office. Such identifying marks should be placed upon the back of the drawings.

Condition of Applications Under Examination at Close of Business November 6, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,244; Trade-Mark Division, 1,454. Oldest new case, May 18, 1937; oldest amended, May 1, 1937)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators, Fences; Gates; Tillage.	June 14	June 14	699
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 14	July 15	786
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 7	Sept. 7	455
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	July 28	July 28	473
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 6	Aug 11	584
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 2	Aug. 4	779
5725	7. JARBOE, C. G., Optics; Photography	July 26	July 26	982
3885	8. ADAMS, F. L., Beds; Chairs, Kitchen and Table Articles; Racks and Cabinets	July 23	July 28	611
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 6	June 30	536
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices	June 23	June 23	824
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather	July 31	Aug. 2	471
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	June 21	July 8	643
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 19	July 19	647
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	July 27	July 28	542
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	July 28	July 28	1054
5612	16. SPENCER, C. J., Telegraphy; Telephony	July 13	July 12	606
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 9	Aug. 10	534
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 22	July 20	464
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 7	July 7	825
6905	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 21	July 23	408
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 6	Aug. 9	546
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 10	Aug. 11	605
7624	23. BUTTNER, W. J., Registers (part)	May 18	May 1	291
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 11	Aug. 11	623
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 3	July 29	600
5898	26. ADAMS, W. M., Electricity, Generation; Motive Power	July 9	July 7	504
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	June 7	June 5	875
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Aug. 11	Aug. 2	401
3082	29. SHELLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 23	July 21	701
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 16	June 9	890
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 9	Aug. 7	561
4084	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 21	July 19	487
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 13	July 29	860
6626	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Aug. 13	Aug. 25	332
3606	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 5	Aug. 12	820
7802	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 23	June 23	550
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 7	June 7	725
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 12	July 15	624
4872	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 3	July 3	556
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 6	July 6	1221
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 8	July 23	287
5882	42. CUTTING, H. O., Electric Signaling	July 9	June 26	534
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Aug. 6	Aug. 6	631
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	June 15	June 9	837
7007	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 19	July 21	626
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 19	July 19	557
6082	47. BARKER, H., Clutches; Brakes	Aug. 3	Aug. 3	593
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	July 31	July 31	529
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 1	May 28	834
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Aug. 6	Aug. 6	595
3628	51. BACKUS, C. D., Radiant Energy	July 31	July 31	721
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 17	July 16	919
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	June 29	July 13	757
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Aug. 26	Aug. 31	470
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 6	July 6	873
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 6	July 6	983
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 11	June 22	551
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 26	July 24	396
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Aug. 2	July 31	577
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 19	July 20	491
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 23	June 17	610
3878	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 5	Aug. 4	580
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	July 27	July 24	407
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Aug. 6	Aug. 6	996
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 10	July 8	661
2099B	Trade-Marks, Labels, and Prints. F. A. RICHMOND	Trade-Marks: Oct. 1	Oct. 12	1216
		Labels and Prints: Oct. 11	Oct. 22	238
2905	Designs, H. H. KALUPY	Oct. 7	Oct. 20	652

DECISIONS IN PATENT AND TRADE-MARK CASES

Errata

U. S. Court of Appeals for the District of Columbia

BATTERY PATENTS CORPORATION *v.* COE

In the report of the above identified case in the Official Gazette of November 9, 1937, vol. 484, page 257, there is an error in syllabus No. 3, and an error in the paragraph following it. These portions of the report are corrected to read:

3. SAME—SAME—COMBINED BICYCLE GUARD AND LAMP.

Design for a combined bicycle guard and lamp *Held* patentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

U. S. Court of Customs and Patent Appeals

IN RE BROWN

No. 3,787. Decided March 29, 1937

[88 F.(2d) 703]

PATENTABILITY—CONTOUR ADJUSTING DEVICE.

Certain claims for a contour shaping machine *Held* patentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. J. Preston Siwecker and *Mr. Maxwell E. Sparrow* for Brown.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellant made application to the United States Patent Office for a patent upon certain "new and useful improvements in Automatic Contour Shaping Fixture." The apparatus for which patent was sought was a device by which objects could be ground into a shape identical with a form which it was desired to duplicate, particularly small objects of glass, like watch crystals, or lenses of optical devices, curved or straight in cross section. A fairly good idea of the device may be had by examination of two claims which are thought to be typical, namely, 43 and 47, which are as follows:

43. In a contour shaping machine, the combination with a pattern, and work holder operable therewith, of a shaper and a gauge in axial alinement, a carriage for supporting, and moving in a fixed path said pattern and said work holder toward and from said shaper and said gauge, means for rotating said work holder and said pattern, said gauge having a working surface of varying concentric diameters against which the said pattern may ride, said working surface being concentric with the shaping surface of said shaper, means to micrometrically longitudinally adjust said gauge and said pattern relative to each other whereby the peripheral contour of said pattern is accurately reproduced in direct proportion on a piece of work, which may be held by the work holder and shaped by the shaper, at all points of said relative adjustment, and means for lockingly maintaining said adjustment.

47. In a contour shaping apparatus, the combination with a pattern and a work holder operable therewith, of a gauge against which the pattern may ride, and a shaper, the working surface of said gauge and of said shaper being concentric and said gauge and said shaper being in axial alinement, whereby the concentricity between said working surfaces are constantly maintained, a carriage for supporting, and moving in a fixed path said pattern and said work holder towards and from said shaper and said gauge, means for rotating said work holder and said pattern, means to longitudinally vary the working surface of the gauge relative to the working surface of the shaper, and means for locking the gauge in any position.

The Board of Appeals, in its decision, described the device as follows:

The invention relates to a contour-shaping machine. As shown in Fig. 1, it includes a stationary standard 77 on which a frusto conical gauge 83 is mounted for axial adjustment. A rotatable grinding wheel or shaper 85 concentric with the gauge is mounted adjacent to it. A work-holding frame is pivoted on a standard at one side of the gauge and shaper so that it can be swung toward and away from them. This frame carries a work-holder 73 and 74 and a pattern 87 on the same shaft as the work-holder. When the work-holder frame is swung toward the shaper 85, the pattern 87 engages gauge 83. As shown in Fig. 3ª, the pattern and work-holder are relatively axially adjustable. Likewise, the gauge 83 is axially adjustable with respect to the shaper. The adjusting means include micrometric screws.

Some claims were allowed, but claims 43 to 47, inclusive, were denied by both the Examiner and Board of Appeals. A petition for rehearing was filed and denied, and the case comes here for review. The Examiner cited the following references in his rejection: Gubbins (British), No. 3265, July 10, 1882; Besson et al., 374,332, Dec. 27, 1887; Bader, 737,313, August 25, 1903; Long, 686,676, November 12, 1901.

The Board of Appeals cited the same references but the record does not contain the Bader and Besson et al. patents, so that the court has not had the benefit of an inspection of the same. However, their application to the case is not left in doubt by the record. The Examiner was of the opinion that claims 43 to 47, inclusive, were not patentable over the patent to Gubbins,

"especially in view of patent to Long or Bader or Besson et al. as applied above to claims 28 and 38 to 40 inclusive."

As to this part of the case, the Examiner states:

It seems that the definition of the work holder in these claims (in claim 43, line 2 and claim 44, line 2 for instance) can be read only on applicant's rotatable work clamping heads 49 and 57 and spindles 48 and 56 because these claims also call for means for rotating the work holder. The rocking frame 24, 27, etc., for supporting the work holding and rotating spindles 48 and 56 and heads 49 and 57 is not a part rotated by the work holder rotating means and probably cannot be considered to be included in the definition of the work holder. The rocking frame is not otherwise included in these claims and the statement in claim 43, lines 3–5 for instance, and the other claims to the effect that the pattern and work holder are movable in a fixed path relative to the shaper and gauge claims the function of the rocking frame without claiming the rocking frame as a tangible structural element. Therefore, these claims do not appear to require the Gubbins patent to show a support for work holder S of that patent.

As to the swingable unit upon which the work holder is mounted, the Board of Appeals says:

Some of the appealed claims recite that the work-holder and the pattern are mounted on a swingable unit. The Gubbins patent shows the work-holder and pattern connected together as a unit, and this unit is moved toward and away from the shaper. Since it is old in other patents cited to mount the work-holder and the pattern on a swingable frame, we believe that no invention is involved in making this change in Gubbins.

These, therefore, constitute the positions of the Patent Office tribunals upon the question of the swingable arm for the work unit.

Throughout the prosecution of this application, the appellant has insisted that he has developed a new and valuable feature, namely, the micrometric adjusting means which his device contains. But

little attention has been given to this matter by the Patent Office tribunals. The Board of Appeals, on its part, says the following:

Applicant's main argument is that Gubbins does not show micrometric adjusting means for the gauge *O* and locking means for it in any adjusted position. If the screw threads in the patent are made with sufficiently small pitch, it is evident that the gauge *O* can readily be adjusted to any degree of accuracy necessary. Hence, the patent has micrometric adjusting means. Apparently, the friction between the screw threads is depended upon in Gubbins to hold the gauge in its adjusted position so it will not shift. If the threads fit tight, this will be sufficient to retain the gauge in adjusted position. If an additional set screw be desired, it can be added to the gauge hub and thus hold the gauge more securely. We do not regard this as involving invention.

It will be observed that claim 43, which is hereinbefore quoted, recites, in part:

"• • • means to micrometrically longitudinally adjust said gauge and said pattern relative to each other • • • and means for lockingly maintaining said adjustment."

This language is contained in all the rejected claims, except claim 47.

We are told by the Solicitor for the Patent Office that the patents which are absent from this record, namely, Bader and Besson et al., have to do with the swingable arm. The patent to Long is along the same line. We must, therefore, rely upon Gubbins for any showing of the micrometric adjustment. If it is to be assumed that there is no invention in arranging a swingable arm, as the Patent Office presumes, we are nevertheless convinced that it is patentable to arrange a micrometric adjustment combined with a means of locking the same so that the piece, when once adjusted to nicety and with precision, can be held in this place during the entire operation.

Gubbins shows no such arrangement. An inspection of his figures discloses that the vibration of the parts will very readily cause a loosening and a changing of position, so that a piece of work which is fastened within the holder will become misplaced, and the gauge and work which is held against the grinding wheel and its pattern will readily become misplaced and misshapen. In fact, it is quite impossible to understand how the best of work can be done upon such a device. The appellant here, however, has perfected a device by which, with the greatest precision, the work can be adjusted, and with which it can be held firmly while the subsequent proceedings are continuing.

In our opinion, the appellant has made a contribution to the art, and the Board of Appeals was in error in refusing the appellant's claims 43, 44, 45, and 46.

Claim 47, however, is not in the same category. So far as it appears, this claim does not contain the micrometric, in combination with the adjustment, features, and the Board of Appeals did not err in refusing to allow it.

The decision of the Board of Appeals of the United States Patent Office is modified, its decision as to claim 47 being affirmed, and its decision as to claims 43, 44, 45, and 46 being reversed.

Modified.

HATFIELD, *J.*, did not participate in this case.

U. S. Court of Customs and Patent Appeals

IN RE SMOLAK AND MCQUADE

No. 3,748. Decided April 5, 1937

[88 F.(2d) 838]

PATENTABILITY—RIGID SHINGLE.

Claims for a rigid shingle *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Clair W. Fairbank for Smolak et al.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting the appealed claims, Nos. 21 and 22, in appellants' application for a patent for an alleged invention relating to a "unit of structural material of uneven surface, and particularly", according to the specification, "to a rigid shingle with an irregularly corrugated surface."

The invention is sufficiently described in the appealed claims which read:

21. A preformed non-inflammable structural unit, adapted for use as a siding slab, shingle, and the like, consisting chiefly of asbestos fibers and Portland cement and including, on the face thereof, elevated portions extending in irregularly longitudinal manner and to irregularly varying elevations, depressed portions alternating with the elevated portions and extending in irregularly longitudinal manner and to irregularly varying depths, and intermediate portions of irregularly sloping surfaces defined between the said elevated and depressed portions, whereby the unit is adapted to reflect light in diffuse manner.

22. A rigid shingle comprising an end adapted to be exposed on its face to view and another end adapted to be concealed from view in a finished roof assembly, the end adapted to be exposed having a rear surface that is substantially plane and having a face including elevated portions extending in irregularly longitudinal manner and to irregularly varying elevations, depressed portions alternating with the elevated portions and extending in an irregularly longitudinal manner and to irregularly varying depths, and intermediate portions of irregularly sloping surfaces defined between the said elevated and depressed portions and the said end adapted to be concealed from view having substantially plane front and rear surfaces.

The references are: Scharwath et al., 1,404,483, Jan. 24, 1922; Perry, 1,451,369, Apr. 10, 1923; Putman, 1,577,150, Mar. 16, 1926; Fischer, 1,584,023, May 11, 1926.

In its decision, the Board of Appeals made the following observation:

It is noted that applicants have proposed an amendment, changing the term, "unbroken," or otherwise modifying each of the claims to substitute *molded*, relating to the irregularities of the surface. The claims are being considered as with these amendments entered.

In explanation of the Board's statement, counsel for appellants state that—

In copying these claims, we have inserted the limitation "molded", because they were amended after the final rejection to include this word, and the Board of Appeals considered the claims as so amended (R. 18).

In his brief the Solicitor for the Patent Office states, in substance, that, although as "it formally stands of record in the application file" claim 21 does not include the word "molded," in copying it he had inserted the word because the Board of Appeals had "actually considered the claim as if the word 'molded' had been entered therein • • •."

In their brief counsel for appellants state that—

Prior to the advent of the applicants' invention, there was an unsatisfied demand in the building trade for a fireproof, waterproof shingle, which would make an inexpensive and durable covering for roofs or walls, which would not be shiny but would diffuse reflected light, which would not be broken or cracked by frost, which would simulate old weather beaten wooden shingles, and which would harmonize with the old Colonial types of architecture. The demand was not satisfied by anything known to the trade or by anything disclosed in the prior patents relied upon by the Patent Office,

and contend that, in order to meet the demand, appellants used a mixture of "hydraulic cement and reinforcing asbestos fibres" to "produce a strong, durable, waterproof, and fireproof shingle."

It is conceded that the combination of materials used by appellants is old.

The feature claimed by counsel to lend patentability to appellants' product is defined in the appealed claims as—

• • • elevated portions extending in irregularly longitudinal manner and to irregularly varying elevations, depressed portions alternating with the elevated portions and extending in irregularly longitudinal manner and to irregularly varying depths, and intermediate portions of irregularly longitudinal manner and to irregularly sloping surfaces defined between the said elevated and depressed portions.

The Scharwath et al. patent discloses a press molded asbestos cement shingle, the "exposed upper face" of which, according to the specification, is "ribbed or corrugated," the surface being

"broken by a plurality of substantially parallel longitudinally extending ridges • • • and by substantially transversely extending parallel curved intersecting ridges • • •, of comparatively small height • • • merely • • • sufficient to make pronounced markings or roughening of the surface."

Elsewhere the specification states that one object of the invention is to produce an article which will be free of "the glare ordinarily present in roofs of artificial shingle or tile." The words "press molded" appear only in the claims of the reference.

The patent to Perry relates to a strip shingle in which a substantially homogeneous material is used. In his specification the patentee states that

"the impressions are in the main or body portion of the construction strips, which has distributed therethrough the fibrous material, and which is of a homogeneous material capable of receiving and permanently retaining impressions of the desired sort and not merely in any superficial coating on such strips";

that the depressions or grooves may be either straight or curved, and may be of any desired shape, depth, or width; that

"It is, of course, to be understood that in the articles which are the object of my invention the depressions are deep enough to provide of and by themselves the desired appearance of separate unit shingles or tiles without in any way relying on the use of pigmenting or similar materials of various classes to produce the desired effect."

After giving various examples, the patentee states that "Any other desired form of groove or depression may be used"; that they may "be made by pressing the strip between rolls having projections corresponding to the depressions desired," or they may "be made by hand or in any other feasible manner"; and that the depressed or corrugated portions, being of increased density "due to their having been compressed, act as mechanical strengthening members."

The Putman patent is for imitation shake shingles, made of wood, having longitudinal grooves cut therein.

The patent to Fischer is for a fireproof shingle made of asbestos fibers and cement, such as Portland cement, combined together under hydraulic pressure. The upper surface of the butt end (which is described as a "heavy butt end") of the shingle is indented, as shown by the drawings, and as expressed in one of the claims—claim 6, by a

"conglomeration of different sized irregular indentations, said indentations decreasing in depth toward the center of the shingle • • •."

The feature of "decreasing in depth" is particularly emphasized in Fischer's specification as possessing advantages in both utility and appearance. The patent also teaches that

"In shingles of this nature it has become apparent that a rough artistic or rustic surface is desirable, especially where shingles of different colors are employed so as to provide a very artistic appearance to the house on which the shingles are used."

On behalf of appellants there was filed an affidavit by one Seigle, chairman of the Board of Directors of Johns-Manville Corporation, which, the affidavit states, is the assignee of the involved application. The affidavit recites certain alleged advantages of appellants' shingles, and also affirms great commercial success.

It is here argued by counsel for appellants, as it was before the tribunals of the Patent Office, that the Scharwath et al. patent is not a proper reference because the corrugations disclosed therein were not the same as in appellants' application; that as the words "press molded" appeared only in the claims, the Board erred in holding that the exposed surfaces of the shingles were press molded; and that, in view of the fact that there was no description or drawings disclosing that the exposed surfaces of the shingles were press molded, the claims of the patent should never have been allowed by the Patent Office.

Whether the Patent Office should have allowed the claims of the Scharwath et al. patent, is a matter with which this court is not concerned. The fact remains that the claims of that patent disclosed a press molded asbestos cement shingle as early as January 24, 1922.

Counsel for appellants contend that it is well established that, standing alone, the claims of a patent cannot be used as an anticipation "of an invention", and, as authority for their contention, cite our decision in *In re Charles R. Downs* and *Augustus E. Craver*, 18 C. C. P. A. (Patents) 803, 807, 45 F.(2d) 251, 403 O. G. 791, wherein this court, citing as authority the case of *Minerals Separation North American Corporation* v. *Magma Copper Company*, 280 U. S. 400, 392 O. G. 491, inadvertently stated that

"Anticipation is not to be determined from the claims made in the references, but upon the disclosures in the respective specifications."

In the case of *Minerals Separation North American Corporation* v. *Magma Copper Company*, supra, the question of infringement was involved, and the issue before the Supreme Court was whether certain claims in Letters Patent No. 962,678, owned by the petitioner, were anticipated by an earlier Patent No. 835,120, also owned by the petitioner. It appears in that case that, although the petitioner brought suit for infringement in the District Court of Maine for the infringement of Patent No. 835,120,

the complaint, with regard to that patent, was dismissed because the patent was about to expire, and the Minerals Separation North American Corporation was permitted to file a supplemental and amended bill of complaint alleging infringement of certain claims in Patent No. 962,678. The only issue before the Supreme Court, as we understand its decision, was whether the claims involved in Patent No. 962,678 were anticipated by the earlier Patent No. 835,120. In discussing that issue, the court, among other things, said:

"The question is not what is the *Precise scope* of the claims in 835,120, but what is disclosed in the specification and made known to the world." [Italics ours.]

Accordingly, what we should have said in the case of *In re Charles R. Downs* and *Augustus E. Craver*, supra, is that

"Anticipation is not to be determined from the precise scope of the claims made in the references, but upon the disclosures in the respective specifications,"

which, in a reference patent, would include the claims, the written specification, and the drawings.

In the case of *In re Mosher*, 23 C. C. P. A. (Patents) 740, 743, 79 F.(2d) 911, 463 O. G. 463, we said that "the claims are a part of the references." Accordingly, we are of opinion that the Board of Appeals was right in holding that the words "press molded", contained in each of the claims of the Scharwath et al. patent, were a part of the disclosure of that reference.

It appears that the patent to Scharwath et al. discloses a press molded asbestos cement shingle, the surface of the shingle being "broken by a plurality of substantially parallel longitudinally extending ridges" or corrugations, and "by substantially transversely extending parallel curved intersecting ridges" or corrugations. The material out of which those shingles are made would undoubtedly make them fireproof, although no statement is cited to that effect in the reference. The patentee stated that the corrugations on the exposed surface of his shingle prevented the "glare ordinarily present in roofs of artificial shingle", and also gave the shingle a desirable ornamental appearance.

We deem it unnecessary to discuss in detail the other references of record. It is sufficient to say that, although the patentee Perry uses a different material than that used by appellants and the patentees Scharwath et al. and Fischer, nevertheless, he discloses a shingle having depressions, grooves, or corrugations of any desired shape, depth, or width, which might be made by pressing the shingle between rolls having projections corresponding to the desired corrugations.

The patent to Fischer, as hereinbefore noted, is for a fireproof shingle made of asbestos fibers and cement, combined under hydraulic pressure. The exposed surface of his shingle also has irregular indentations.

It may be said that in discussing the patent to Perry the Board of Appeals said:

What seems important in the Perry disclosure is that a roofing strip designated generally as a strip single [shingle] is made of a fibrous material incorporated in a body material by forming depressions or corrugations therein of variable depths by compression. This is said to result in the formation under each depression of a densified reinforcing section and it is stated that any number of such depressions may be employed and they may be of almost any desired shape. It appears that this patent fully discloses the method of making a roofing strip containing a fibrous element in its composition by molding or compression to form depressions in the nature of corrugations therein without cutting the fibrous material, and it is believed that it would not amount to patentable improvement to form a cement asbestos roof strip, such as those shown in Scharwath et al. or Fischer in the same manner.

Appellants' shingles are attractive, and we have no doubt but that they are commercially successful. However, there is nothing of record to establish that their commercial success is due to any factor other than the design formed by the corrugations, and it should be remembered that appellants' application is not for a design patent.

It being old to make press molded fireproof shingles by combining asbestos fibers and cement, the exposed surfaces of the shingles having indentations, corrugations, or grooves, thereby preventing the glare ordinarily present in roofs composed of artificial shingles, and it being old, as taught by the Perry disclosure, to make strip shingles of homogeneous material, and to form corrugations therein of any desired shape or depth by compression, we are of opinion, as was each of the Patent Office tribunals, that the appealed claims are not patentable over the prior art.

The decision of the Board of Appeals is affirmed.
Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE KIMBALL

No. 3,778. Decided March 29, 1937

[88 F.(2d) 717]

PATENTABILITY—METHOD OF DISPENSING SHEET MATERIAL.

Certain claims for a method of dispensing sheet material *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Paul Carpenter, *Mr. E. G. Carpenter*, and *Mr. H. H. Benjamin* for Kimball.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant's application for patent was filed in the United States Patent Office November 25, 1932. Three claims stand allowed, but eighteen were rejected by the Examiner for want of invention over prior art, six of them (the method claims) being also rejected because held to define merely the function of the apparatus. The Board of Appeals affirmed the decision of the Examiner and appellant brings the matter to this court for review.

The rejected claims are numbered 1, 3, 17 to 28, inclusive, and 31 to 34, inclusive. Claims 1, 3, and 22 to 25, inclusive, are method claims. The others are for the apparatus.

As illustrative of the subject matter we quote claims 1 and 17, as follows:

1. A method of dispensing a sheet material having on one side a normally active externally exposed adhesive coating, which includes as steps thereof causing the active adhesive coated side of the sheet to contact with and thereby adhere to a movable measuring surface, and controlling the amount of sheet dispensed by regulating the movement of said surface.

17. In a sheet dispensing apparatus, in combination, means for supporting a quantity of sheet material said material having an exposed and normally pressure sensitive adhesive coating on one surface thereof, and a roller for measuring the sheet material and to which said material is caused to adhere by the action of said coating while dispensing.

The references cited are: Anable, 897,510, Sept. 1, 1908; Drew, 1,760,820, May 27, 1930; Krueger, 1,914,375, June 20, 1933.

The application discloses a method of and an apparatus for dispensing "in predetermined or measured quantities," sheet material, particularly tape having one of its surfaces coated with adhesive. The specification mentions the tape disclosed in the cited patent to Drew, which patent states, in substance, that the tape, apparently of paper, is of peculiar utility in masking portions of the surfaces of automobile bodies when paint is applied to such surfaces by spraying. Appellant describes the adhesive as a "pressure sensitive adhesive" and says in his specification that the adhesiveness is

"relied upon in a large degree to complete the function of the method and apparatus involved in this invention."

Before us, counsel for appellant emphasizes that feature of the claims expressed in claim 17, supra, by the clause reading,

"a roller for measuring the sheet material and to which said material is caused to adhere by the action of said coating while dispensing."

This feature is present in all the claims and is disclosed in the specification and drawings. The tape to be dispensed is in roll form and is placed upon a drum which serves as a carrier for the roll. As the tape is drawn from the roll it passes over a roller, referred to as a "measuring member," and then below a substantially horizontal metal member provided with a serrated edge for severing the tape at the point desired. The roller is equipped with apertures located adjacent its ends and spaced at any desired intervals. A pawl is provided for engaging the apertures and controlling the rotation of the roller, the pawl being mounted upon a spring lever. When the spring lever is pressed downwardly the pawl is disengaged from the roller. When the pressure upon the spring is released the pawl again contacts the roller and when it engages an aperture the operation ceases while the tape is severed. So, the length of the tape to be cut is determined by the distance between the apertures. By keeping the spring lever pressed downwardly, however, the tape may be drawn out to any length desired. It is stated at different places in the specification that the tape adheres to the roller or measuring member, and this adhesion is claimed to rotate the member as the tape is drawn by the hand of the operator. In view of the issue, it is unnecessary to state further details of the operation.

The Drew reference, as has been said, is alluded to in appellant's specification as disclosing a form of tape for the dispensing of which appellant's device is designed. The Krueger patent seems to have been cited with reference to certain of the claims which show a particular arrangement of the severing device. It discloses a device in which tape passes over a roller and is severed by means located adjacent the roller and above the tape being dispensed.

The principal reference is the patent to Anable. This patent is for a strip-serving device, seemingly paper strips either gummed or ungummed. When gummed paper is used means are provided for moistening the gum; when ungummed paper is used an adhesive is substituted for the water in the moistening device. The material from which the strips are to be served, or dispensed, is mounted upon a spindle. When pulled at the end the material unrolls from the roll, passes under a small guide roller and then between two rollers, designated in the drawing by the numerals 5 and 14, and thence under another small roller beyond which it passes over the moistening unit to the means whereby it is severed. Adjacent one end of the roller 5, and mounted on the same shaft is a toothed gear designated in the drawing by the numeral 7. Upon the face of roller 5 is a ratchet gear. A pawl mounted on the toothed gear cooperates with a ratchet gear to cause the roller 5 to rotate in a clockwise direction but permitting the toothed gear to rotate counter-clockwise without imparting movement to the roller 5 which is stated to be loosely mounted upon a horizontal shaft, which shaft is loosely journaled in the framing of the machine. Anable supplies a pair of levers upon one end of which, he states,

"is loosely mounted a roll 14 and also a gear 15, preferably of substantially equal diameter, the gear 15 being adapted to mesh with the gear 7 when the strip is drawn upon for use."

The Examiner held Anable's lower roller, 5, to be the measuring roller, saying that the contention on the part of appellant that the upper roller, 14, is such "is not in agreement with Anable's specification," and broadly held, in effect, as to all the claims, that "there would be no invention in dispensing the paper of Drew in Anable's machine."

The Board said:

If a sheet of material such as is shown by Drew be substituted in the Anable patent, it is believed that all of the present claims are met in all substantial respects.

Appellant argues that ambiguity exists in that part of Anable's specification which reads:

"I mount upon the framing a lever or pair of levers 13, upon one end whereof is loosely mounted a roll 14 *and also a gear 15.*" [Italics quoted from brief.]

Appellant insists that the italicized phrase is capable of an interpretation to mean that the gear 15 is loosely mounted upon the lever end as well as roller 14, but that, if this be the case, it results (for the reasons given in explaining the operation of the device) that Anable's disclosure is of an inoperative device. It is then said, with explanation of the operation of the parts, that to render the patent operative the upper roller, 14, becomes the measuring member rather than the lower roller, 5, and that, if this latter be the case, the measuring roller would not be operated by drawing upon the adhesive tape passing between it and the lower roller, but by the gear arrangement described.

The Board made no definite declaration as to which of Anable's rollers constituted the measuring roller, but we deduce from its decision that the

lower roller, 5, was so regarded. It is noted that the Examiner said, stating reasons therefor, "it is not believed it would be invention to dispense with the upper or pressure roller 14 of Anable."

In his brief the Solicitor for the Patent Office argues that appellant is entitled to rely only upon the feature of his measuring roller being rotated by drawing upon the adhesive tape (the sticky qualities of the tape affecting the rolling process) for patentability, and says that

"strictly speaking the tape dispensed is not legitimately a part of the structure for dispensing the tape. • • • The material operated upon by a machine or apparatus is not legitimately a part of the structure of such a machine or apparatus."

Authorities are cited.

As to this contention it seems sufficient to say that neither of the tribunals below rejected any of the claims upon this ground and we may not, therefore, consider it. *In re Bryson D. Horton*, 19 C. C. P. A. (Patents) 871, 54 F.(2d) 961, 418 O. G. 273,

The Board said:

In applicant's device, the sheet is guided in such a way that the tacky side of the sheet will be pressed against a considerable surface area of the roller as the sheet is drawn out. Thus there will be sufficient adhesion of the sheet to the roller so that it can control the dispensing of the sheet. This feature together with the means for limiting the movement of the roller, seem to be quite important to give a simple structure for dispensing this kind of a sheet. None of the claims contains these essential limitations. As broadly as the claims are drawn we fail to see that they distinguish over the prior art, particularly the Anable patent, for the reasons stated by the Examiner.

It would seem from this that had the *claims* defined the feature of controlling the operation of the roller by means of the tape together with the means for limiting the movement of the roller, with sufficient definiteness (as the specification apparently did) they might have been regarded as patentable.

In view of this expression of the Board, we have examined the limitation respecting this feature, as expressed in each of the claims, with great care, because Anable does not seem to us to teach any operating function of the measuring roller (whether it be the lower roller or the upper roller) by the tape itself. We do not find, however, that the claims at issue go any further than to claim the *adherence* of the tape to the measuring roller, and we think that if such tape were run through the Anable device there would of necessity be a certain amount of adherence.

Since certain claims stand allowed, it may be that if appellant discloses matter really patentable but not properly claimed, he may yet be permitted upon the return of the case to the Patent Office to amend by presenting new and proper claims. That, however, must be determined in the Patent Office and not by us in this proceeding.

In view of our conclusion upon the foregoing ground, which applies to all the claims, we need not discuss the second ground upon which the method claims were rejected.

The decision of the Board of Appeals is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

CHAMPION SPARK PLUG COMPANY

v.

GLOBE-UNION MANUFACTURING COMPANY

No. 3,783. Decided March 29, 1937

[88 F.(2d) 970]

1. TRADE-MARKS—GEOGRAPHICAL—"GLOBE".

"We are of the opinion that the word 'Globe' is not merely a geographical name or term in the sense in which the phrase is used in the statute. A geographical name or term to our minds signifies a nation, state, county, city, municipality, river, lake or the like. The reasons for denying a trade-mark monopoly upon such names or terms is obvious, but 'Globe' has no such geographical significance; it identifies no particular geographical location, nor is its proper use as a trade-mark likely to interfere with or embarrass any public or private right."

2. SAME—SIMILARITY—"GLOBE" WITH ZIGZAG LINE REPRESENTING LIGHTNING THERETHROUGH AND A MARK CONSISTING OF A REPRESENTATION OF A TERRESTRIAL GLOBE HAVING A BROAD BLACK BAND WITH WHITE LINES ADJACENT ITS EDGES.

A mark consisting of the word "Globe" with a zigzag line representing a flash of lightning passing therethrough as applied to spark plugs *Held* so similar to a mark consisting of a representation of a terrestrial globe having a broad black band with white lines adjacent its edges and the word "Champion" printed thereon, running obliquely around it, previously registered to another for the same goods, as to be likely to cause confusion in trade.

APPEAL from the Patent Office. Reversed.

Mr. Charles W. Owen, Mr. Carl F. Schaffer, and *Messrs. Owen & Owen* for Champion Spark Plug Company.

Mr. John W. Michael and *Messrs. Lecher, Michael, Whyte & Spohn* for Globe-Union Manufacturing Company.

GARRETT, *J.*:

This is a trade-mark opposition proceeding which arose in the United States Patent Office following the publication of notice of appellee's application to register the word "Globe" with a zigzag line representing a flash of lightning drawn therethrough, for use upon spark-plugs for internal combustion engines. Beneath the notation appear the words "Full Spark", but these are disclaimed apart from the mark shown. Use is alleged since May 24, 1933. In the application it is said:

"The trade-mark is applied to the plugs by marking the same in ink upon the porcelain insulators prior to glazing and to the packages containing the plugs by printing or otherwise displaying said mark thereon."

Appellant filed notice of opposition. Testimony on behalf of opposer was taken and certain stipulations and exhibits were presented. The Examiner of Interferences sustained the opposition and held appellee not entitled to the registration sought. He also held *ex parte* that, regardless of the right of opposer to intervene, appellee was not entitled to registration because of two prior registrations issued to third parties. The Commissioner of Patents, acting through the Assistant Commissioner of Patents, reversed the decision upon both points and appellant took the instant appeal to this court.

In its notice of opposition, filed December 1, 1933, appellant alleged that the principal part of its business and that of its predecessors, had, for more than twenty-five years past, been the manufacture and sale of spark-plugs; that it had been its practice to sell products of the highest qualities, using therein only the best materials and workmanship; that as early as 1907 it adopted for use as a trade-mark a representation of the terrestrial globe; that it has continuously used such mark in interstate and foreign commerce; that more than nine million dollars have been expended for advertising; that it is the owner of registrations No. 92,949 of August 12, 1913, and No. 120,167 of January 15, 1918; that the public will be misled by the use by appellee of the mark it seeks to register into the belief that the goods originated with appellant, and that appellant believes it would be damaged by the registration to appellee.

The material points of appellee's answer will appear as the case is hereinafter discussed.

Appellant's registration of August 12, 1913, consists of a representation of the terrestrial globe, showing particularly the Western Hemisphere, and having a broad black band with white lines adjacent its edges running somewhat obliquely around it near its center. The registration of January 15, 1918, shows a somewhat similar figure with the word "Champion" printed upon the band. Both marks are for spark-plugs, the latter also naming spark-plug porcelains and parts.

Mr. Robert A. Stranahan, president of appellant company and long associated with its predecessors, was called as a witness on its behalf. The material parts of his testimony are to the effect that the mark embraced in registration No. 120,167, which carries the word "Champion" on the band, is and has been most commonly used in its advertisements, upon its letter heads and upon the containers in which the spark-plugs are shipped; that he did not think the company had ever used the mark embraced in registration No. 92,909 without the word "Champion" displayed on the band; that for something less than a year the globe representation (with, as we understand his testimony, "Champion" on the band) was stamped directly upon the plugs but that this was abandoned, not being satisfactory, and the custom has since been to stamp the plug with only the word "Champion"; that the globe representation is included in most of its advertising, although exceptions were shown on cross-examination; that about 20 per cent of appellant's business is direct with manufacturers of automobiles, the other being with jobbers and dealers; that the purchaser of a new car equipped with appellant's spark-plugs would see only the word "Champion" thereon; that appellant's products are known the world over as "Champion" spark-plugs; that they are not known, or referred to by the trade or the public, nor advertised by the company, by the name "Globe", and that he had no proof of any actual confusion, no attempt having been made to investigate that matter.

During cross-examination the witness was confronted with another registration by appellant, No. 92,950, of August 12, 1913. It consists simply of the word "Champion", registered for use on spark-plugs.

Upon the state of facts above outlined, it is insisted by appellee that appellant may not place any reliance upon the representation of the globe with band alone as shown in its registration No. 92,949 of August 12, 1913, because it is shown never to have been used in that form, and that in this proceeding cognizance may be taken, so far as the pleadings are concerned, of only registration No. 120,167 wherein the word "Champion" is printed upon the band surrounding the figure of the globe.

Much of the argument on behalf of appellee is directed to the point that "the representation of a globe of the world per se" is

"merely and exclusively geographical and descriptive in meaning, character, and significance,"

and hence, it is urged, that

"the question of likelihood of confusion presented under the issues of this case is not determinable upon those authorities which deal with word and picture alternatives • • •."

It is further insisted that the word "Globe" is not merely geographical in character because its meaning embraces many things in addition to the terrestrial globe, but it is said, in substance, that even if a geographical significance be assigned to the word, the mark of appellee is, like that of appellant, a composite one and includes other features rendering it registrable in its entirety.

Upon the question of descriptiveness of either the word "Globe", or a pictorial or diagrammatic representation of a globe, we need not dwell. Obviously, neither is descriptive of spark-plugs or of the character or quality of spark-plugs.

Upon the question of geographical "meaning", it is well to quote the pertinent language of the second proviso of section 5 of the Trade-Mark Registration Act of February 20, 1905. This reads:

Provided, That no mark which consists • • • in • • • merely a geographical name or term, shall be registered under the terms of this act.

[1] We are of the opinion that the word "Globe" is not merely a geographical name or term in the sense in which the phrase is used in the statute. A geographical name or term to our minds signifies a nation, state, county, city, municipality, river, lake or the like. The reasons for denying a trade-mark monopoly upon such names or terms is obvious, but "Globe" has no such geographical significance; it identifies no particular geographical location, nor is its proper use as a trade-mark likely to interfere with or embarrass any public or private right.

The same reasoning leads to the conclusion that a figure of the globe representing the earth is not, in the sense of the statute, a representation of merely a geographical name or term; it is of the terrestrial body. "There are also celestial bodies, and bodies terrestrial, • • •." The Congress, in the Trade-Mark Registration Act, did not ban the celestial, nor the terrestrial, but stopped with geographical names and terms. The principle applied in the case of *In re Canada Dry Ginger Ale, Inc.* (No. 3698), 24 C. C. P. A. (Patents) —, 86 F.(2d) 830, 479 O. G. 519, 32 U. S. P. Q. 49, wherein a map of

Canada was held to represent, or be the equivalent of, a merely geographical name or term, is not, in our view, apposite here, and so of other authorities cited upon this point by counsel for appellee.

We are of opinion that the question to be considered is simply that of whether confusion is likely to result from the use of appellant's mark containing as a part thereof a figure of the terrestrial globe and the word "Globe" crossed by a zigzag line as described.

That the word "Globe" has a broader meaning than that of a figure of the terrestrial globe is clear. The primary definition of the word given by Webster's New International Dictionary is:

"A round or spherical body, solid or hollow; a body whose surface is in every part equidistant from the center; a ball; a sphere."

The same authority informs us that the word is derived from the Latin word *globus*, a word which existed, according to history, long before the somewhat globular shape of the earth was known.

Nevertheless we think it true that whenever the simple word "globe" is used, the first impression made upon the mind is that of the commonly accepted idea as to the shape of the earth. Instinctively and subconsciously that is the primary meaning which the mind attaches to the word. Such being the case, we are of the opinion that the figure is an alternative, or practical equivalent, of the word, and hence the general rule relative to words and pictorial alternatives must be here considered. Numerous authorities might be cited, but we content ourselves with a reference to the companion cases of *Derby Oil Co.* v. *White Star Refining Co.*, 20 C. C. P. A. (Patents) 816 and 820, 62 F.(2d) 984 and 987, 429 O. G. 75, with the authorities therein cited. These cases serve also as authorities upon the question of public juris suggested by appellee during the prosecution of the instant case.

[2] It may be, indeed it seems to be, a fact that appellant's spark-plugs are practically always referred to by the name "Champion" and never by the name "Globe", but this does not alter the other fact that a figure of the terrestrial globe is a prominent part of appellant's mark which was registered and used upon its cartons and in connection with much of its advertising prior to the time of any claimed use of the word "Globe" by appellee. It does not seem to us to be material whether or not appellant has practically abandoned use of the figure of the globe alone. The figure is retained in, and is a conspicuous part of, the mark which it did register and use in the manner indicated. That there is room for confusion seems obvious and, in our opinion, there is sufficient doubt with respect to likelihood of confusion to require application of the rule against appellee as a newcomer in the field.

It is unnecessary to discuss the *ex parte* ground of rejection.

We hold that the opposition should be sustained and appellee denied the registration sought.

Accordingly, the decision of the Commissioner of Patents is reversed.

Reversed.

HATFIELD, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

DOYLE *v.* JOHN MORRELL & COMPANY

No. 3,791. Decided March 29, 1937

[88 F.(2d) 721]

TRADE-MARKS—SIMILARITY—"STRONGHEART" AND "RED HEART".

The marks "Strongheart" and "Red Heart" used as trade-marks for dog and cat foods *Held* confusingly similar.

APPEAL from the Patent Office. Affirmed.

Messrs. Jackson & Webster, *Mr. Chas. R. Allen*, and *Mr. W. G. Mackay* for Doyle.

Messrs. Mason, Fenwick & Lawrence, *Mr. Edward T. Fenwick*, and *Mr. Edward G. Fenwick* for John Morrell & Company.

GARRETT, *J.*:

Appellant on October 11, 1932, filed application for registration in the United States Patent Office of the word "Strongheart" as a technical trade-mark for use on dog and cat food, alleging the word to have been continuously used for that purpose since July 18, 1932. After notice of the application had been published in the Official Gazette of the Patent Office appellee filed notice of opposition to such registration, alleging a belief that it would be damaged for the reason that the mark

"'STRONGHEART' will cause confusion with the mark owned and controlled by the opposer, which mark 'RED HEART' and the picture of a heart, has been used upon dog and cat food and kindred products, since long prior to July 18, 1932."

The Examiner of Interferences sustained the opposition and adjudged appellant not entitled to the registration. Upon appeal the Commissioner affirmed the decision of the Examiner of Interferences, and the instant appeal to this court followed.

In the notice of opposition appellee plead various registrations (some being renewals) ranging in date from October 17, 1899, to October 7, 1930. It is unnecessary to describe these registrations in detail. Some are simply heart-shaped symbols, the drawings showing lines to indicate that they are printed in solid red. One has the notation "Heart Brand" stamped upon the symbol. Another is stamped "Morrell's Red Heart." One is for the words "Red Heart" unaccompanied by other features. The goods for use upon which the several registrations were sought and obtained covered a wide variety of animal products and the record establishes appellee's use prior to appellant's filing date, and prior to any date claimed by appellant for use of "Strongheart," of its heart mark in some form as a trade-mark for dog and cat foods.

As the issue comes to us the only question to be determined is that of likelihood of confusion in trade by reason of the similarity of the marks. Upon this we think there is small room for doubt. Heart is unquestionably a prominent, we think the dominant, part of both marks. It is argued on behalf of appellant that "Strongheart" was the name of a dog which, before it was gathered to its fathers several years ago, had attained great fame as a cinema actor, and it is said, although we find no testimony upon this point, that the picture of a dog's head used in connection with appellant's mark is that of this noted animal, it being urged that this somehow affects the question of confusion. It may be said that appellee uses pictures of different breeds of dogs on its cartons. These pictures, however, being no part of the marks, are not of particular importance in this statutory proceeding. We have simply compared the naked marks with each other, and from the comparison, it seems to us unquestionable that there is likelihood of confusion in trade from their use upon identical goods.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

THE KROGER GROCERY & BAKING COMPANY

v.

THE BLUE EARTH CANNING COMPANY

No. 3,775. Decided March 29, 1937

[88 F.(2d) 725]

TRADE-MARK—SIMILARITY—"COUNTRY KIST" AND "COUNTRY CLUB."

The mark "Country Kist" as applied to canned vegetables *Held* confusingly similar to "Country Club" as applied to the same goods.

APPEAL from the Patent Office. Reversed.

Mr. A. Yates Dowell for The Kroger Grocery & Baking Company.

Messrs. Semmes & Semmes, *Mr. Harry H. Semmes*, and *Mr. S. Warwick Keegin* for The Blue Earth Canning Company.

LENROOT, *J.*:

This is a trade-mark opposition proceeding. The involved marks are "Country Club", used by appellant, and "Country Kist", used by appellee. Both marks are applied to identical goods, viz, canned vegetables.

Appellee, on March 22, 1932, applied for registration, under the Trade-Mark Act of February 20, 1905, of the mark "Country Kist", for use on canned vegetables, and in its application stated that the mark had been so used since on or about February 1, 1928.

On December 7, 1932, appellant filed notice of opposition to appellee's application and alleged prior adoption and registration of the mark "Country Club", applied to canned vegetables, and use of said mark thereon by it and its predecessors in business since 1883. Appellant's ground of opposition was the allegedly confusing similarity of the involved marks, to the damage of appellant.

Appellee answered, denying the confusing similarity of the marks and damage to appellant by the use by appellee of its mark.

Both sides took testimony. But one issue was raised before the Patent Office tribunals, viz, that of confusing similarity of the marks, and that is the only issue before us, for it is conceded that appellant was the user of the mark "Country Club" prior to use by appellee of its mark "Country Kist".

The Examiner of Trade-Mark Interferences held that the likelihood of confusion in trade in the two marks was "reasonably doubtful" and therefore, in accordance with the well established rule resolved such doubt against the newcomer, appellee, and sustained the opposition.

The Commissioner of Patents reversed the decision of the Examiner and held there was not reasonable likelihood of confusion in the use of the marks of the respective parties. From the decision so rendered, this appeal was taken.

The Commissioner in his decision stated:

• • • considering the marks here involved I find no difficulty in holding that they are not confusingly similar. Both are of such a nature that the whole of each must be read or pronounced in order to convey any definite meaning. "Country Club", in the abstract, describes a particular type of club, and connotes sophistication, exclusiveness and smartness. "Country Kist", on the other hand, suggests rural freshness and native simplicity. In other words, the mental pictures associated with the two expressions are almost exactly opposite. Moreover, the appearance and the sound of the marks as a whole are, in my opinion, sufficiently different to insure against any reasonable likelihood of confusion.

The Commissioner seems to have rested his decision primarily upon the difference in significance of the marks, although he also held that in appearance and sound they were sufficiently different to avoid likelihood of confusion. He also found that the fact that there was no evidence of actual confusion was a persuasive circumstance indicating that no confusion exists, and that none is likely to occur.

Counsel for both parties take the position that the word "Country" found in each of the marks is not descriptive, but only suggestive. Appellee's counsel points out that the words "Country Club" suggest the excellence of the goods, appealing to sophisticated people, with special emphasis upon the word "Club", while appellee's mark suggests the attractive features of life upon the farm.

We agree that the significance of the two marks, taken as a whole, is different, and if the test of likelihood of confusion was significance alone, we would agree that the opposition should be dismissed. Indeed, if a purchaser examined the marks sufficiently closely to form a mental picture of the suggestiveness of each, as indicated by the Commissioner, he would at the same time observe that there was a difference in the marks themselves and would not be likely to be confused. But significance of marks is not the only factor to be considered, for appearance and sound are equally important.

The marks of both parties are applied to canned vegetables, goods that are cheap in price and of every day use. In the case of *Lever Bros.* v. *Riodela Chemical Co.*, 17 C. C. P. A. (Patents) 1272, 41 F.(2d) 408, 398 O. G. 356, we said of the goods there involved:

It must be remembered that the goods to which the marks are applied are of common every day use in the household. They are very inexpensive and are consumed

in their use. Purchasers therefore would not be expected to exercise such degree of care in their purchase as would be exercised in more expensive and rarely purchased articles. • • •

What was there said is true in the case at bar; and, having this in mind, we think that the ordinary purchaser, seeing a can of peas upon the shelf of a grocery store with the mark "Country Kist" applied thereto, and being familiar with appellant's mark, might very likely be confused, giving particular attention only to the word "country" without giving thought to the other word of the mark of either appellant or appellee.

It is admitted by appellee that, at the time it adopted the mark "Country Kist", its officers were familiar with appellant's mark "Country Club", applied to identical goods, but witnesses connected with appellee testified that it never occurred to them that there would be likelihood of confusion with appellant's mark, arising from the use of the mark "Country Kist". Accepting the view that there was no motive upon the part of appellee's officers in adopting its mark to profit by the extensive business of appellant in the use of its mark "Country Club", we would observe that appellee had an unlimited field from which to select a trade-mark, and there was no just reason for selecting one which so nearly resembled that of appellant, with which appellee was familiar. When appellee's officers did select the mark here involved, they did so at their peril, and they should have known that, even though they believed that the mark selected would not infringe the mark of appellant, the Patent Office tribunals and the courts might come to a different conclusion.

We have little sympathy with those who adopt marks having a close resemblance to the trade-marks of others, with which they are familiar, used upon goods of the same descriptive properties, even though they be of the opinion that they are not confusingly similar. One who adopts a valid mark and establishes a large business in which the mark is used should have all doubts resolved in his favor as against newcomers in an opposition proceeding. *The Procter & Gamble Co.* v. *J. L. Prescott Co.*, 18 C. C. P. A. (Patents) 1433, 49 F.(2d) 959, 413 O. G. 1105.

The Commissioner stated that the fact that appellant had produced no evidence of actual confusion between the marks of the parties was persuasive evidence that no confusion exists and that none is likely to occur. It is so well established as to require no citation of authority that an opposer, in order to succeed, is not required to produce evidence of actual confusion. Likelihood of confusion may be determined by consideration of the goods to which the marks are applied and a comparison of the marks involved. *Apex Electrical Mfg. Co.* v. *Landers, Frary & Clark*, 17 C. C. P. A. (Patents) 1184, 41 F.(2d) 99, 398 O. G. 708.

For the reasons stated herein, the decision of the Commissioner is reversed.

Reversed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

MCKINNON *v.* HYVIS OILS, INC.

No. 3,786. Decided March 29, 1937

[88 F.(2d) 699]

1. TRADE-MARKS—DISCLAIMER—ESTOPPEL.
   A statement in the certificate of registration of the mark "HyVis" as applied to lubricating oils that it is not intended to cover any established commercial term does not estop the registrant from asking for the cancellation of the mark "Highpres" as applied to the same goods, since that statement is not a true disclaimer for the reason that it does not disclaim any part of the mark "HyVis" and clearly does not embrace "Highpres" which is not an established commercial term (*Warner-Patterson* v. *Malcomb*, 17 C. C. P. A. 984, 1930 C. D. 383, distinguished).
2. SAME—SIMILARITY—"HIGHPRES" AND "HYVIS".
   The terms "Highpres" and "HyVis" as applied to lubricating oils *Held* confusingly similar.

APPEAL from the Patent Office. Affirmed.

Messrs. Cushman, Darby & Cushman, Mr. Arlon V. Cushman, and *Mr. William M. Cushman* for McKinnon & Company.

Mr. Watts T. Estabrook, Messrs. Evans & McCoy, and *Mr. Frank S. Greene* for HyVis Oils, Inc.

LENROOT, *J.*:

This is a trade-mark cancellation proceeding under the provisions of section 13 of the Trade-Mark Act of February 20, 1905.

On October 15, 1929, appellant's predecessor, Petroleum Products Storage Company, secured registration of the mark "Highpres", No. 262,583, used on lubricating oils.

On July 6, 1934, appellee filed its petition for the cancellation of said registration, alleging ownership of the mark "HyVis", used on lubricating oils and greases, and registration of the same to its predecessor and assignor, the Fred G. Clark Company, on October 26, 1920, registration No. 135,948. Appellee alleged use of its mark prior to the use of appellant's mark, and that appellant's mark is deceptively similar to the mark of appellee, and for that reason has injured the business of appellee.

The registration certificate of appellee's mark contains the following:

The undersigned, The Fred G. Clark Co., applicant in the above entitled case, hereby disclaims right to the exclusive use of the terms "High-Viscosity"; "H-Vis"; "Vis-H"; and "H-V", as the mark "Hyvis" which constitutes the subject matter of the above application is not intended to cover any established commercial term.

Appellant answered said petition for cancellation, denying that the marks of the respective parties are confusingly similar, and denying that appellee has been damaged by the use by appellant of its mark "Highpres".

No testimony was taken, but the matter was submitted upon a stipulation of facts, from which it appears that appellant concedes that appellee and its predecessor used the mark "HyVis" upon lubricating oils prior to the use by appellant of its mark; that appellee is now the owner of said mark "HyVis"; that at the time appellant's predecessor secured registration of the mark "Highpres" said predecessor knew of the use of the mark "HyVis" upon motor oils, and in 1928, as bailee, stored HyVis oils in its storage plant at Memphis, Tenn.

The Examiner of Trade-Mark Interferences held that, by reason of the disclaimer in the HyVis trade-mark registration, hereinbefore quoted, appellee is estopped from claiming that the mark of appellant is confusingly similar to the mark of appellee, and further found that in the use of the two marks confusion in trade is not reasonably likely. Accordingly, he held that appellee's petition for cancellation be dismissed.

Upon appeal, the Commissioner of Patents reversed the decision of said Examiner and granted the petition for cancellation. From this decision of the Commissioner, appellant took the appeal now before us.

In his decision the Commissioner held that the disclaimer of the HyVis registration embraced only the notations expressly stated therein and any established commercial term, and did not embrace the term "Highpres"; that our decision in the case of *Warner-Patterson Co.* v. *Malcomb*, 17 C. C. P. A. (Patents) 984, 39 F.(2d) 274, 397 O. G. 170, relied upon by the Examiner, has no application to a state of facts such as is here involved because the mark "HyVis" was not disclaimed, and that, as the two marks are used upon identical goods, they are confusingly similar. He stated:

• • • The goods involved are practically always bought by word of mouth and the similarity of sound between the two words is therefore of paramount importance. That "HyVis" and "Highpres" sound alike cannot be denied. Under the circumstances I believe that the petitioner has shown the kind and amount of damage required by the statutes, and that the relief prayed for should be granted.

[1] We are in agreement with the conclusion reached by the Commissioner. We do not think that the purported disclaimer in the HyVis registration is a true disclaimer for the reason that it disclaims no part of the HyVis mark; but even if it be treated as a disclaimer, it clearly does not embrace the term "Highpres", for such term was not an established commercial term.

The case of *Warner-Patterson Co.* v. *Malcomb*, supra, was a trade-mark interference proceeding. Appellant had secured the registration of the mark "Liquid Solder" for a radiator sealing compound. Appellee made application to register the mark "Cy's Liquid Solder". It appeared that appellee's predecessor had applied for the registration of the mark "Cy's Liquid Solder", which registration was refused upon the ground that the words "Liquid Solder" were descriptive of the merchandise to which the mark was applied, whereupon applicant disclaimed the use of the words "Liquid Solder" apart from the mark shown. It will readily be seen that our holding in that case, that the disclaimer created an estoppel, has no application to the facts in the case at bar.

[2] It is our opinion that the marks "Highpres" and "HyVis", applied to lubricating oils, are confusingly similar, especially in sound. It is true, as argued by counsel for appellant, that the marks are different in significance, and also differ in appearance; but in sound they are very similar, and we think that a purchaser of motor lubricating oils would be very likely to be confused by the similarity of the marks. The most that can be said in favor of appellant's contention is that likelihood of confusion is doubtful, and under the well-established rule such doubt should be resolved against the newcomer, which in this case is the appellant.

Both parties in their briefs have cited cases in this and other courts with respect to specific trade-marks in support of their respective contentions upon the question of similarity of the marks here involved, but we find little aid in these cases in determining the question here involved, for the reason that the question of confusion or lack of it must be determined from the marks involved and the goods to which they are applied in each particular case.

While it is true that there are three factors to be considered in passing upon similarity of marks, viz., meaning, appearance, and sound, it does not follow that confusion can be found to be likely only where a combination of these factors exists, but sound alone or appearance alone may be sufficient to create likelihood of confusion. *Cluett, Peabody & Co., Inc.*, v. *Wright*, 18 C. C. P. A. (Patents) 937, 46 F.(2d) 711, 406 O. G. 851.

We find no error in the decision of the Commissioner, and it is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE SIBLEY

No. 3,790. Decided April 5, 1937

[88 F.(2d) 964]

PATENTABILITY—COATING COMPOSITION AND PROCESS OF PREPARING.
   Claims for a coating composition and process of preparing *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

BLAND, *J.*, dissenting.

Messrs. Williams, Rich & Morse, Mr. Henry D. Williams, Mr. Giles S. Rich, and *Mr. Albert H. Kirchner* for Sibley.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting, for want of patentability over the cited prior art, claims 1, 3, 6 to 10, inclusive, 12, and 15 to 26, inclusive, of appellant's application. No claims were allowed.

Claim 25 is illustrative of the claims before us and reads as follows:

25. The improvement in the manufacture of coating compositions which comprises mixing the composition containing a drying oil with a positive oxidation catalyst and a controller of oxidation thereof comprising the condensation product of p,p' diamino diphenyl methane with beta naphthol.

The references cited are: Ostwald et al. (Brit-

ish), 10,361, April 20, 1911; Vanderbilt Co., Inc. (British), 269,840, January 9, 1928; Naugatuck Chemical Company (British), 342,502, February 5, 1931; Imperial Chemical Industries, Ltd. (British), 358,472, October 5, 1931; Merkle, 1,829,999, November 3, 1931; Goodyear Tire & Rubber Co. (British), 364,092, December 23, 1931; Sloan, 1,940,824, December 26, 1933; J. Soc. Chem. Ind. Japan, vol. 33 (1930), pp. 129-B–130-B; J. Ind. & Eng. Chem. (Smith), 1926, pp. 691–693; Rubber Age, vol. 20, 1926, pp. 27 and 30; Powell, 1,672,657, June 5, 1928.

The alleged invention is described in appellant's brief as follows:

The coating composition is a paint or varnish made with a drying oil as one of its principal constituents. In the case of paints, this oil acts as the carrier of the pigment. The "drying" of such a coating is an oxidizing process. The positive oxidation catalyst, commonly called a "dryer", functions to speed up this oxidation, causing rapid drying. Rapid drying is desirable but if the oxidation which produces it is not interrupted after progressing to a sufficient degree to produce a durable coating, it will hasten the disintegration, cracking or peeling of the coating.

The controller of oxidation is therefore included to arrest the oxidation after drying has reached the desired point. This controller acts as a negative oxidation catalyst which corrects the faults of the positive oxidation catalyst. The controller, or negative oxidation catalyst, is also called an "anti-oxidant", an "oxidation inhibitor" or a "negative catalyst." Its inclusion in the coating permits it to dry rapidly but overcomes the undesirable effects produced by the dryer.

Thus the coating contains two substances, a positive oxidation catalyst and an inhibitor, which is a negative oxidation catalyst, the first promoting oxidation to produce rapid drying and the second restraining oxidation after it has progressed sufficiently. The result is a paint or varnish which dries quickly and thereafter has marked resistance to disintegration, cracking or peeling.

The Board of Appeals in its decision stated:

The points raised by this appeal are similar to those raised in connection with appellant's application No. 593,198, which is being concurrently considered and decided.

The claims of this application are directed to specifically different anti-oxidants. The questions of analogy raised in this application are substantially the same as those raised in connection with the copending application and reference may be had to the decision in that case for our views thereon.

The application, No. 593,198, referred to in the above quotation, is the subject of Patent Appeal No. 3789, *In re Sibley*, decided concurrently herewith. 24 C. C. P. A. (Patents) —, 88 F.(2d) 900.

In the brief of the Solicitor for the Patent Office we find the following:

The issue in the instant appeal is broadly the same as that involved in the companion appeal but specifically the issue in the instant appeal is different from the issue in the companion appeal and a different set of references are relied upon in the instant case.

Broadly the issue in each of the two appeals is whether the ancillary references taken in connection with the disclosure of the Merkle patent are sufficient to negative patentability. In the companion appeal No. 3789 one specific anti-oxidant is claimed which the patent to Merkle does not mention and the issue in that appeal is whether the references which are cited disclosing the use of that particular anti-oxidant are sufficient to negative patentability of the subject-matter there claimed.

In the instant appeal a specifically different anti-oxidant is claimed and here, as in the companion appeal, the patent to Merkle does not mention this specific anti-oxidant. However, the ancillary references upon which the Examiner relied disclose the use of this specific anti-oxidant as claimed by appellant, in connection with the rubber art, and the question here presented for decision is whether the teaching of these references is sufficient to negative patentability in the subject-matter of the appealed claims.

Thus it will be seen that, although a specifically different anti-oxidant is here claimed than was claimed in appeal No. 3789, the real issue in the two cases is the same, viz, whether the use of specific anti-oxidants in the rubber art, shown in some of the references, negatives patentability of the claims here involved. In appeal No. 3789 this was fully discussed and we came to the conclusion that the Board of Appeals erred in holding that the use of specific anti-oxidants in the rubber art negatives patentability of the use of such anti-oxidants in the drying oil art. The only difference between the case before us and that of appeal No. 3789 is in the use of different anti-oxidants; but here, as in appeal No. 3789, the use of such anti-oxidants disclosed in the references was limited to the rubber art.

Inasmuch as our opinion in appeal No. 3789 fully discusses this subject, it is unnecessary for us further to discuss it here. It is clear that our decision in appeal No. 3789 controls our decision here.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

BLAND, *J.*, dissents.

HATFIELD, *J.*, did not participate in this decision.

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Des. 98,765, S. Goodman, Base for a lamp, D. C., S. D. N. Y., Doc. E 83–330, *S. Goodman* (*Goody Lamp Co.*) v. *A. A. Victor* (*Victor Mfg. Co.*). Consent decree holding patent valid and infringed; injunction. (Notice Sept. 17, 1937.)

Des. 100,590, E. A. Wangersheim, Socket support for chandeliers, filed Sept. 9, 1937, D. C., N. D. Ill., Doc. 15770, *General Lighting Studios* v. *Chandelier Specialty Mfg. Co. et al.*

Des. 101,214, I. Geist, Blouse, filed Sept. 20, 1937, D. C., S. D. N. Y., Doc. E 85–321, *Mitchell & Weber, Inc.*, v. *National Blouse Corp.*

Des. 101,316, R. A. Weiss, Blouse, D. C., S. D. N. Y., Doc. E 85–50, *Mitchell & Weber, Inc.*, v. *Weiss & Williams, Inc., et al.* Consent order of discontinuance Apr. 26, 1937.

Des. 102,338, D. E. Schwab, Combined bracelet and handkerchief, filed Sept. 16, 1937, D. C., S. D. N. Y., Doc. E 85–319, *David E. Schwab & Co., Inc.*, v. *Sydnaccy Co., Inc.*

Des. 103,899, A. Steinberg, Curtain, filed Sept. 17, 1937, D. C., S. D. N. Y., Doc. E 85–320, *American Brand Textile Corp.* v. *Tri-Boro Curtain & Trimming Co. Inc.*

Des. 104,338, P. F. Ashton, Shoe ornament or similar article, filed Sept. 9, 1937, D. C., R. I., Doc. 582, *E. E. Weller* v. *John Irving Shoe Corp.*

Des. 104,970, A. E. Levy, Dress, filed Sept. 4, 1937, D. C., S. D. N. Y., Doc. E 85–307, *Debi-Rose, Inc.*, v. *Hartman & Richards, Inc.*

Des. 105,918, J. Bayor, Dress, filed Sept. 13, 1937, D. C., S. D. N. Y., Doc. E 85–316, *Sandora Frocks, Inc.*, v. *Julina Goldberg et al.*

Des. 105,929, P. Schlessel, Dress, filed Sept. 8, 1937, D. C., S. D. N. Y., Doc. E 85–309, *New York Dress & Costume Co., Inc.*, v. *Abrams & Norman, Inc.*

T. M. 207,620, Bulletin Record Publishing Co., Inc., Daily publication, filed May 14, 1937, D. C., N. D. Ill., Doc. 15642, *Bulletin Record Publishing Co.* v. *M. L. Annenberg et al.*

T. M. 283,831 (*a*), Dr. Miles Medical Co., Anti-acid effervescent preparations, D. C., N. D. Ill., Doc. 14569, *Dr. Miles Laboratories, Inc.*, v. *C. Honoroff (Honoroff Laboratories)*. Order restraining use of plaintiff's mark Nov. 30, 1936.

T. M. 283,831 (*b*), Dr. Miles Medical Co., Anti-acid effervescent preparations, filed Sept. 13, 1937, D. C., N. D. Ill., Doc. 15771, *Miles Laboratories, Inc.*, v. *Continental Sales Corp. et al.*

Adjudicated Patents

(C. C. A. N. Y.) Lowenstein patent, No. 1,231,764, for telephone-relay, claims 1, 2, 4, 5, 6, and 7 *Held* valid and infringed. *Western Electric Co.* v. *General Talking Pictures Corporation*, 91 F.(2d) 922.

(C. C. A. N. Y.) Arnold patent, No. 1,329,283, for thermionic amplifier, claims 7, 10, and 13 *Held* valid. *Id.*

(C. C. A. Ill.) Spangler patent, No. 1,349,010, for wick cleaner and shaper, claim 8 *Held* not infringed. *Mantle Lamp Co. of America* v. *Montgomery Ward & Co.*, 91 F.(2d) 872.

(C. C. A. N. Y.) Wachsman patent, No. 1,358,483, for stop mechanism for knitting machines, claims 1 to 3 *Held* not infringed. *Wachsman* v. *Wachsman*, 91 F.(2d) 929.

(C. C. A. N. Y.) Ruthven patent, No. 1,374,954, for electro-magnetic train-control and danger-indicating means and recording means, claim 4 *Held* not infringed. *Union Simplex Train Control Co.* v. *General Ry. Signal Co.*, 91 F.(2d) 950.

(C. C. A. N. Y.) Arnold patent, No. 1,403,475, for vacuum-tube circuits, claims 8, 9, and 10 *Held* valid and infringed. *Western Electric Co.* v. *General Talking Pictures Corporation*, 91 F.(2d) 922.

(C. C. A. N. Y.) Pacz patent, No. 1,410,499, for metal and its manufacture, claims 25 to 27 *Held* invalid. *General Electric Co.* v. *Wabash Appliance Corporation*, 91 F.(2d) 904.

(C. C. A. N. Y.) Mathes patent, No. 1,426,754, for circuits for electron-discharge devices, claim 8 *Held* valid. *Western Electric Co.* v. *General Talking Pictures Corporation*, 91 F.(2d) 922.

(C. C. A. N. Y.) Arnold patent, No. 1,448,550, for thermionic amplifier circuits, claims 1 and 12 *Held* valid and infringed. *Id.*

(C. C. A. N. Y.) Arnold patent, No. 1,465,332, for vacuum-tube amplifier, claims 1, 3, 5, 8, 10, and 11 *Held* valid and infringed. *Id.*

(C. C. A. N. Y.) Ruthven patent, No. 1,470,107, for combination automatic and manually-operable airbrake power control and alarm system, claim 11 *Held* void. *Union Simplex Train Control Co.* v. *General Ry. Signal Co.*, 91 F.(2d) 950.

(C. C. A. N. Y.) Hill patent, No. 1,513,172, for apparatus and process for removing noncontinuous condensable gases, *Held* invalid. *Waddell* v. *Eastman Kodak Co.*, 91 F.(2d) 980.

(C. C. A. N. Y.) Arnold patent, No. 1,520,994, for electron-discharge amplifier, claims 1 and 4 *Held* valid. *Western Electric Co.* v. *General Talking Pictures Corporation*, 91 F.(2d) 922.

(C. C. A. Okla.) Prout patent, No. 1,582,224, for sucker-rod hanger, claims 1 to 4 *Held* valid, but not infringed. *Ratigan* v. *Deckard Supply Co.*, 91 F.(2d) 722.

(C. C. A. Ill.) Butler patent, No. 1,593,791, for lubricating apparatus, claim 2 *Held* valid and infringed. *Lincoln Engineering Co. of Illinois* v. *Stewart-Warner Co.*, 91 F.(2d) 757.

(C. C. A. N. Y.) Parkinson patent, No. 1,834,070, for heating device, claim 4 *Held* invalid and claim 6 *Held* not infringed. *Parkinson Heating Corporation* v. *Goldenstein*, 91 F.(2d) 968.

(C. C. A. N. Y.) Evans patent, No. 1,892,426, for method of and means for permanently waving hair, claims 1, 2, 4, 7, and 8 *Held* invalid and not infringed. *Zotos Corporation* v. *Rader*, 91 F.(2d) 935.

(C. C. A. N. Y.) Evans patent, No. 1,894,032, for method of and means for permanently waving hair, claims 1 to 6, inclusive, *Held* invalid and not infringed. *Id.*

(C. C. A. Ill.) Clarkson patent, No. 1,904,355, for power loader, *Held* valid but not infringed. *Indiana & Illinois Coal Corporation* v. *Clarkson*, 91 F.(2d) 717.

(C. C. A. N. Y.) Evans patent, No. 1,919,690, for method of and means for permanently waving hair, claims 25 to 34, inclusive, *Held* invalid and not infringed. *Zotos Corporation* v. *Rader*, 91 F.(2d) 935.

(C. C. A. Ill.) Davis reissue patent, No. 18,061, for blue flame mantle lamps, claims 18, 37, 38, 40 and 41 *Held* not infringed. *Mantle Lamp Co. of America* v. *Montgomery Ward & Co.*, 91 F.(2d) 872.

(C. C. A. N. Y.) Wachsman reissue patent, No. 19,069, for stop mechanism for knitting machines, claims 1 to 3, 5, and 8 to 10 *Held* invalid. *Wachsman* v. *Wachsman*, 91 F.(2d) 929.

(D. C. N. Y.) Slayter reissue patent, No. 19,929, for method of heat insulating, *Held* valid and infringed. *Slayter & Co.* v. *U. S. Insulation Corporation*, 20 F. Supp. 376.

Disclaimers

1,959,387.—*Harry Ernest Rubens*, Chicago, Ill. CIRCUIT CONTROLLER. Patent dated May 22, 1934. Disclaimer filed October 23, 1937, by the patentee.

Hereby enters this disclaimer to claims 18 and 19 of said Letters Patent.

2,075,456.—*Heinrich Neresheimer* and *Anton Vilsmeier*, Ludwigshafen-on-the-Rhine, Germany. COMPOUNDS OF THE DIBENZANTHRONE SERIES. Patent dated March 30, 1937. Disclaimer filed November 5, 1937, by the assignee, *General Aniline Works, Inc.*

Hereby disclaims from the scope of claim 1 those compounds corresponding to the recited formula, wherein both X and Y stand for hydrogen.

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 23, 1937

[VOL. 484. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 390,908. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif. Filed Apr. 3, 1937.

PRINCESS ELIZABETH

For Flower Seeds—Namely, Sweet Pea and Flower Garden Mixture.
Claims use since Jan. 25, 1937.

Ser. No. 391,916. HARRY W. KAYLOR, Hagerstown, Md. Filed Apr. 27, 1937.

Ayr

For Diatomaceous Silica.
Claims use since Jan. 1, 1928.

Ser. No. 396,529. CELLULOID CORPORATION, Newark, N. J. Filed Aug. 18, 1937.

AMER-GLO

For Plastic Material in the Form of Sheets, Foils, Films, Rods, and Tubes Suitable for Use in the Manufacture of Ornamental and Decorative Articles or Surfaces.
Claims use since July 2, 1937.

Ser. No. 397,786. ABRAMS & LINDEN, INC., New York, N. Y. Filed Sept. 25, 1937.

BABY-BEAVER

No claim is made to the words "Baby-Beaver" and "Quality".
For Fur Skins.
Claims use since July, 1936.

Ser. No. 397,789. BENNETT INCORPORATED, Cambridge, Mass. Filed Sept. 25, 1937.

BENITE

For Paper Filler or Powdered Papermaking Ingredient.
Claims use since Sept. 1, 1937.

Ser. No. 398,048. LOCKPORT COTTON BATTING CO., Lockport, N. Y. Filed Oct. 2, 1937.

Land O'Mod

For Dry-Goods Cotton-Batts.
Claims use since June 10, 1937.

CLASS 2

Receptacles

Ser. No. 394,578. CLAIROL, INC., New York, N. Y. Filed June 28, 1937.

CLAIROL

For Bowl or Receptacle Adapted for Use in the Mixing of Dyes Intended To Be Applied to the Hair.
Claims use since Dec. 26, 1934.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 396,238. RESNICK BROS. LADIES HANDBAGS, INC., New York, N. Y. Filed Aug. 10, 1937.



The words "Soft Glove Feeling" are disclaimed except as used with the balance of the mark.
For Ladies' Hand Bags.
Claims use since Feb. 1, 1937.

Ser. No. 397,131. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1937.

Rosalyn

For Handbags, Pocketbooks, Purses, Hatboxes for Use in Travel, Suit Cases, Overnight Bags, School Bags, Traveling Bags, Valises, Billfolds, Automobile Trunks, Wallets, Card Cases, Leather Key Cases, Trunks, Portfolios, Satchels, Luggage Straps, and Wardrobe Cases.
Claims use since 1925.

Ser. No. 397,714. LENTHERIC, INCORPORATED, New York, N. Y. Filed Sept. 23, 1937.

FORMALITÉ

For Women's Handbags Containing Perfume and Cosmetic Articles.
Claims use since Sept. 20, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 393,200. ROMEO PARENT, doing business as Familex Products Company, Montreal, Quebec, Canada. Filed May 24, 1937.

FAMILEX

For Shaving Soaps.
Claims use since July 1, 1928.

Ser. No. 395,887. H. KIRK WHITE AND COMPANY, Oconomowoc, Wis. Filed July 31, 1937.

ADSAL

For Cleaning Compound—Namely, a Nonexplosive Solvent Which Removes Oil and Grease Spots from Any Type of Clothing and Leather Goods, and Type Cleaner.
Claims use since Apr. 30, 1937.

Ser. No. 397,052. RUSTAIN PRODUCTS INCORPORATED, New York, N. Y. Filed Sept. 2, 1937.

ZUD

For Rust and Stain Remover for Bath Tubs, Sinks, and the Like.
Claims use since Aug. 20, 1937.

Ser. No. 397,103. PERCY MCNEILL GARROD, doing business as Garrod Products, Port Richmond, Staten Island, N. Y. Filed Sept. 3, 1937.

"RAY-O-LITE"

For Cleansing Composition for Glasses, Dishes, and the Like.
Claims use since June, 1936.

Ser. No. 397,123. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1937.

BEAU-KNOT

For Soaps, Soap Chips, Soap Powder, and Shaving Creams.
Claims use since October, 1931.

Ser. No. 397,419. PINAUD INCORPORATED, New York, N. Y. Filed Sept. 14, 1937.

UP

For Liquid Shaving Lotion to be Applied to the Face Before Shaving With Electric Razors.
Claims use since Sept. 2, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 384,715. REEFER-GALLER INC., New York, N. Y. Filed Oct. 23, 1936.



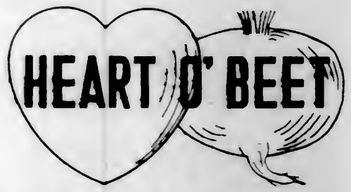
For Insecticides, Insect Exterminators, Repellents, Deterrents, and Preventives.
Claims use since Feb. 4, 1936.

Ser. No. 389,049. LUIGI AIELLO, Scranton, Pa. Filed Feb. 18, 1937.



The portrait is that of the applicant.
For Medicinal Preparation for Treating Human Feet.
Claims use since Jan. 15, 1937.

Ser. No. 389,290. JOSEPH L. ZIMMERMAN, doing business as Heart O'Beet Laboratory, Chicago, Ill. Filed Feb. 23, 1937.



No claim is made to the word "Beet" apart from the mark.
For Medicinal Tonic for Use in Promoting Blood, Bone, and Tissue Building.
Claims use since April, 1934.

Ser. No. 390,392. FRANK A. WHETZEL, doing business as Sasa Products Co., Portland, Oreg. Filed Mar. 22, 1937.



The drawing is lined for yellow and black.
For Hair Tonic, Cold Cream, Camphor Cream, Shampoo, Face Lotion, Hair Pomade, Salve for Colds, Sulphur Salve for Soothing and Healing the Skin.
Claims use since June, 1933.

Ser. No. 391,359. TOC'S PRODUCTS COMPANY, INC., Syracuse, N. Y. Filed Apr. 14, 1937.

TOC'S

For Disinfectant, Deodorant, Bleach, and Germicidal Preparation Having Incidental Cleansing Properties, a Water Softener, Ammonia, and Insecticide.
Claims use since Jan. 1, 1934.

Ser. No. 391,763. HUSSMANN-HOLMES COMPANY, Los Angeles, Calif. Filed Apr. 23, 1937.

H&H

For Foot Powder.
Claims use since Mar. 30, 1937.

Ser. No. 392,669. COFFIN-REDINGTON COMPANY, San Francisco, Calif. Filed May 8, 1937.

CORECO

For Antacid Powder; Earache Drops; Nose and Throat Drops; Rectal Cones; Soda Perborate Flavored; Sulphur Ointment; Syrup Eucalyptus; Honey and Ammon. Muriate; Soda Mint Tablets; Soda Mint and Pepsin Tablets; Chlorate Potash Tablets; Toothache Relief Kit; Chilblain Relief; Beef, Iron, and Wine; Argentine Ant Powder; Analgesic Balm; Sun-Tan Lotion; Freckle Cream; Alco-Massage; Argentine Ant Poison; Argentine Ant Poison Home Set; Cold Sore Lotion; Aspirin; Bay Rum; Corn Medicine; Rectal Ointment; Poison Oak Lotion; Poison Oak Balm; Oxy-Borate; Nasal Ointment; Oil-O-

Pyn Germicide; Russian Mineral Oil; Nasal Jelly with Ephedrine; Psyllium Seed; Carbolic Salve; Tooth Ache Drops; Artificial Carlsbad Salt; Sulphur and Cream of Tartar Lozenges; Norwegian Cod Liver Oil; Throat and Chest Rub; Dental Mouth Wash; Milk of Magnesia; Citrate of Magnesia; Laxative Tablets; Blue Ointment; Larkspur Lotion; Hydrogen Peroxide (Refined 20 Volume); Hydrogen Peroxide; Laxative Head Cold Tablets; Infant Glycerin Suppositories; Adult Glycerin Suppositories; Foot Powder; Fly Spray; Eye Bath; Eucalyptus Ointment Compound; Hygienic Powder; Zinc Ointment; Compound White Pine, Wild Cherry, and Tar Cough Syrup; Chocolate Coated Cascara Sagrada Extract; Syrup of Figs Compound; Powdered Borax; Boric Acid Crystals; Hygienic Cones; Powdered Boric Acid; Astringent Gargle; White Liniment; Powdered Alum; Compound Licorice Powder; Pure Cocoa Butter; Chlorate of Potash; Chamomile Flowers; Cascara Bark; Buchu Leaves with Stems; Powdered Turmeric; Sodium Fluoride; Bicarbonate of Soda; Cut Soap Bark; Senna Leaves; Sassafras Bark; Powdered Salt Petre; American Saffron; Rochelle Salt; Precipitated Chalk; Potassium Permanganate; Oxalic Acid; Powdered Orris Root; Naphthalene Flakes; Moth Balls; Insect Powder; Egyptian Henna Leaves (Powdered); Henna Leaves with Stems; French Chalk; Flowers of Sulphur; Compound Cathartic Pills Improved; Flaxseed; Ground Flaxseed; Epsom Salt; Cream of Tartar; Acetone; Fluid Extract Cascara Sagrada; Solution Formaldehyde; Essence Peppermint; Mosquito and Flea Lotion; Sweet Oil; Castor Oil; Lime Water; Goose Grease; Fluid Extract Cascara Sagrada Bitter; Dobells Solution; Rose Water; Burnt Sugar Coloring; Eucalyptus Oil; Oil Wintergreen Synthetic; Compound Essence of Vanillin; Chloroform Liniment; Calamine Lotion; Brown Mixture without Opium; Oil Sweet Almonds; Saturated Solution Boric Acid; Washing Ammonia; Completely Denatured Alcohol; Solution Carbolic Acid; Powdered Willow Charcoal; Syrup of Squill Compound; Witch Hazel; Glycerin; Oil Citronella; Tincture Iron Chloride; Tincture Iodine; Tincture Green Soap; Tincture Arnica; Tincture Benzoin Compound; Tincture Benzoin; Syrup of Squill; Glycerin and Rose Water; Oil Cloves; Aromatic Spirits Ammonia; Sweet Spirits Nitre; Aromatic Castor Oil; Solution of Soda Silicate; Sheep Dip; Spirits Camphor; Syrup of Ipecac; Camphorated Oil; Cramp and Colic Compound; Syrup of Rhubarb; and Cascara Compound Tablets Hinkle.

Claims use since Jan. 30, 1935.

Ser. No. 393,589. FEDERAL YEAST CORPORATION, Baltimore, Md. Filed June 3, 1937.

Smooth - Tex

For Powder known in the trade as "Baking Cream" Consisting of Sodium Pyrophosphate and Corn Starch in Predetermined Amounts Which Reacts with Separately Added Bicarbonate of Soda to Produce Leavening Action in the Baking Operation.

Claims use since Apr. 14, 1937.

Ser. No. 394,804. PROFESSIONAL LABORATORIES, INC., New York, N. Y. Filed July 2, 1937.

ALL-VI-RON

For Preparations Composed of Various Vitamins and Iron for Supplementing Diets Deficient in Vitamins and Iron.

Claims use since June 26, 1937.

Ser. No. 394,882. CHARLES J. CINSOLO, Deer Park, Ohio. Filed July 3, 1937.



SO EZE Washing Fluid

The words "Washing Fluid" are disclaimed apart from the mark. The representations of the two children are fanciful.

For Chemical Washing Fluids for Washing, Bleaching, Deodorizing, and Disinfecting.

Claims use since May 24, 1937.

Ser. No. 395,224. CUROX LABORATORIES, INC., Longview, Tex. Filed July 15, 1937.

CUROX

For Antiseptic Healing Powder, a Foot Powder, and a Feminine Hygiene Powder.

Claims use since Feb. 1, 1937.

Ser. No. 395,235. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed July 15, 1937.

MOORMACIDE

For Mange Treatment Preparation and Sterilizing Oil for Animals and Fowl.

Claims use since July, 1932.

Ser. No. 395,350. S. SCHWABACHER & CO., INC., New York, N. Y. Filed July 17, 1937.

FLAG BRAND

WHITE OILS

The words "White Oils" and "Brand" are disclaimed apart from the mark.

For Russian Mineral Oil for Use in the Manufacture of Pharmaceuticals, Cosmetics, and for General Use in the Industrial Arts.

Claims use since Jan. 3, 1930.

Ser. No. 395,401. CRUSELLAS RHUM QUINQUINA CO., INC., New York, N. Y. Filed July 19, 1937.

A LA FLORA CUBANA



RHUM QUINQUINA

The words "Cubana" and "Rhum Quinquina" are disclaimed apart from the mark.

For Hair Tonic.

Claims use since Sept. 1, 1915.

Ser. No. 395,854. CELLULOSE HOLDINGS, LTD., New York, N. Y. Filed July 31, 1937.

FLAXYL

For Chemical Compounds for Finishing Textiles and Papers by Impregnating and Coating.

Claims use since Apr. 10, 1937.

Ser. No. 396,234. CHRISTIAN Z. MARTIN, doing business as Marco Products Company, Mountville, Pa. Filed Aug. 10, 1937.

VICTOR VAPOR RUB

The words "Vapor Rub" are disclaimed apart from the mark.

For Salve or Ointment for Use in Treatment of Coughs, Colds, Nasal Irritation, Throat Irritation and the Like, and Skin Troubles.

Claims use since Oct. 12, 1936.

Ser. No. 396,257. EMILE MCK. BEEKMAN, doing business as Beekman Chemical Company, New York, N. Y. Filed Aug. 11, 1937.

STREPTOGON

For Para-Aminobenzene-Sulphonamide for Treating Infections.

Claims use since May 1, 1937.

Ser. No. 396,677. FYNNON LIMITED, Brentford, England. Filed Aug. 23, 1937.

FYNNON

For Medicinal Salts for Treating Rheumatism and Kindred Complaints.

Claims use since 1905.

Ser. No. 396,727. ABERDEEN LABORATORIES INC., New York, N. Y. Filed Aug. 25, 1937.

ABERITE

For Boiler Compounds, Compounds for the Prevention of Corrosion and Scale Formation, Water Treatment Compounds for the Prevention of Corrosion and Scale Formation, Compounds for the Prevention of Foaming and Carry Over in Boilers and Compounds for the Prevention of Corrosion and Scale Formation in Air Conditioning Equipment, Steam Return Line Systems, Water Lines and Street Heating Systems.

Claims use since Aug. 10, 1937.

Ser. No. 396,761. MERRITT F. BUTLER, doing business as Freeman Products, Howard City, Mich. Filed Aug. 26, 1937.

PYLETTS

For Medicinal Preparation for Treating Piles.

Claims use since June 1, 1935.

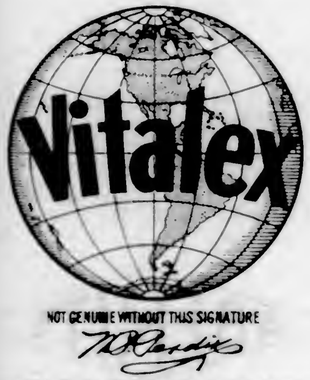
Ser. No. 396,780. GEORGE WILBER NULF, doing business as Wilber-Allen Laboratory, Fort Wayne, Ind. Filed Aug. 26, 1937.

TRI-FO-LEPTIC

For Medical Compound Recommended for Treatment of Epilepsy.

Claims use since July 19, 1937.

Ser. No. 396,781. MANUAL P. PERDIZ, doing business as Vitalex Laboratories, Buffalo, N. Y. Filed Aug. 26, 1937.



The name "M. P. Perdiz" is a facsimile signature of applicant. The words "Not Genuine Without This Signature" are disclaimed.

For Reconstructive Tonic Containing Vitamins A-B-D-G.
Claims use since June, 1936.

Ser. No. 397,451. ALBERT MINKS, Elmwood Place, Ohio. Filed Sept. 15, 1937.

KUMFO

For Antiseptic for the Relief of Athlete's Foot, Rubber Itch, Ring Worm, Poison Ivy, and Sore Mouth.
Claims use since Aug. 25, 1937.

Ser. No. 397,465. BENN WINDT, New York, N. Y. Filed Sept. 15, 1937.

LOLLI-PALS

For Cough Bon Bons, Cough Confections, and Cough Syrups.
Claims use since Aug. 1, 1936.

Ser. No. 397,548. PHAGE LABORATORIES, INC., New York, N. Y. Filed Sept. 18, 1937.

PHAGE

For Medicament Useful in the Treatment of Hay Fever and Other Air-Borne Infections.
Claims use since April, 1936.

Ser. No. 397,549. PUREX CORPORATION, LTD., South Gate, Calif. Filed Sept. 18, 1937.

INTRAFIL

For Bleach and Water Softener Having Incidental Germicidal, Deodorant, and Disinfectant Properties.
Claims use since Sept. 7, 1937.

Ser. No. 397,554. JACQUES ROSMAN, doing business as L'Ardy Cosmetic Laboratories, New York, N. Y. Filed Sept. 18, 1937.

L'Ardy
NEW YORK

Applicant disclaims the words "New York" except as shown.

For Cold Creams, Vanishing Creams, Non-Drying Masque, Liquid Nourishing Cream, Hand Cream, Hand Lotions, Nourishing Cream, Liquefying Cleansing Cream, Permanent Wave Lotions, Face Creams, Hair and Skin Lotions, Astringents, Face Powders, Compact Powders, Talcum Powders, Toilet Powders, Perfume Extracts, Toilet Waters, Pomades (in Pots, Sticks, and Cakes), Hair Wax, Hair Tonics, Hair Dyes, Hair Oils, Head Washes, Eyebrow Pencils, Rouges, Bath Salts, Nail Polishes, Nail Polish Removers, and Shampoos.
Claims use since June 14, 1937.

Ser. No. 397,560. VAPO-EFRIN COMPANY, INC., Portland, Oreg. Filed Sept. 18, 1937.

VIO-RAY

For Medicinal Preparation Containing Ephedrine Useful for the Treatment of Colds, Hay Fever, Catarrh, Sinusitis, and for Shrinking the Mucous Membrane.
Claims use since Aug. 1, 1933.

Ser. No. 397,570. THE CALCO CHEMICAL COMPANY, INC., Bound Brook, N. J. Filed Sept. 20, 1937.

GLUTAN
H-C-L

The drawing is lined for red.
For Pharmaceutical Preparation for Use in the Treatment of Pernicious Anemia.
Claims use since Aug. 5, 1937.

Ser. No. 397,573. FILTROL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed Sept. 20, 1937.

MIRACID

For Adsorptive and Purifying Material for Treatment of Dry Cleaners' Solvents.
Claims use since June 26, 1937.

Ser. No. 397,598. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Sept. 20, 1937.

TRIPLE SHEER

For Face Powder.
Claims use since July 8, 1937.

Ser. No. 397,633. HAROLD A. E. WENGER, doing business as Regnew Laboratories, Madison, Wis. Filed Sept. 21, 1937.

MUSKEETUM
MAKES EM SCRAM

The words "Makes-Em-Scram" are disclaimed apart from the mark.
For Insect Repellent Material.
Claims use since Mar. 12, 1936.

Ser. No. 397,807. FRANK W. HORNER INC., Lynn, Mass. Filed Sept. 25, 1937.

FERMENTOL

For Aromatic Combination of Digestive Ferments.
Claims use since Jan. 27, 1924.

Ser. No. 397,865. POLTOID CO., New York, N. Y. Filed Sept. 27, 1937.

POLTOIDS

For Dental Poultices.
Claims use since Sept. 16, 1937.

Ser. No. 398,058. PRINCE MATCHABELLI, INC., New York, N. Y. Filed Oct. 2, 1937.

Jingle Bell

For Perfume and Toilet Water.
Claims use since Aug. 16, 1937.

Ser. No. 398,067. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y. Filed Oct. 2, 1937.

Rufium

For Chemical Compounds Used as Welding Fluxes.
Claims use since June 18, 1937.

Ser. No. 398,238. CLARK-MILLNER COMPANY, Chicago, Ill. Filed Oct. 7, 1937.

Three Sisters

For Cosmetics and Beauty Preparations—Namely, Cleansing Pads, Skin Tonic, and Liquid Skin Powder.
Claims use since June 17, 1937.

CLASS 7

Cordage

Ser. No. 393,987. VICTOR JOHNSON & COMPANY, INC., San Francisco, Calif. Filed June 12, 1937.



The mark consists of red and purple twisted strands of Yarn in the center of one of the strands of the rope. The representation of the goods is disclaimed apart from the mark.
For Manila Rope.
Claims use since May 10, 1937.

Ser. No. 397,176. BROWN-CAMP HARDWARE COMPANY, Des Moines, Iowa. Filed Sept. 7, 1937.

I.O.A.

For Rope and Cotton Wrapping Twine.
Claims use since 1907.

CLASS 11

Inks and Inking Materials

Ser. No. 396,249. DITTO, INCORPORATED, Chicago, Ill. Filed Aug. 10, 1937.

Spot Color

The word "Color" is disclaimed apart from the mark. The outline in the drawing is the representation of a spot which in actual use is colored.
For Ink.
Claims use since Apr. 29, 1936.

CLASS 12

Construction Materials

Ser. No. 375,765. MARQUETTE CEMENT MANUFACTURING CO., Chicago, Ill. Filed Mar. 9, 1936.



The words "High Early Strength" are disclaimed apart from the mark.
For Portland Cement and Other Building Cements.
Claims use since Jan. 31, 1936.

Ser. No. 390,380. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Mar. 22, 1937.

PLICAST
No. 27

Applicant is owner of T. M. Reg. No. 345,224.
For Castable Refractory Material.
Claims use since May 6, 1936.

Ser. No. 391,844. AUTOMATIC MUSICAL INSTRUMENT COMPANY, now, by change of name, Automatic Instrument Company, Grand Rapids, Mich. Filed Apr. 26, 1937.

ART-VENEER

The word "Veneer" is disclaimed apart from the mark.
For Architectural Panels Produced by Lithographic Process of Photographic Transfer So As to Simulate Wood, Marble, and Like Surfaces.
Claims use since Apr. 1, 1937.

Ser. No. 395,323. UNITED CAST STONE COMPANY, Bellevue, Mich. Filed July 16, 1937.

NAMELSTONE

For Artificial Stone.
Claims use since Sept. 9, 1935.

Ser. No. 396,224. CARRIÈRES DUMON ET PRODUITS CALCAIRES DU TOURNAISIS SOCIÉTÉ ANONYME, Vaulx-near-Tournai, Belgium. Filed Aug. 10, 1937.



The words "Artificial Portland Cement" and "Brand" are disclaimed.
For Portland Cements.
Claims use since February, 1910.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 397,266. PYRENE MANUFACTURING COMPANY, Newark, N. J. Filed Sept. 9, 1937.

MOGUL

The representation of the goods is disclaimed apart from the mark.
For Tractor Tire Chains.
Claims use since March, 1937.

CLASS 15

Oils and Greases

Ser. No. 334,017. WM. C. MCDUFFIE, as receiver of Richfield Oil Company of California, Los Angeles, Calif. Filed Jan. 17, 1933.



Hi-Octane

Applicant is the owner of Reg. No. 201,308. Applicant disclaims the word "Hi-Octane" except as shown.
For Gasoline.
Claims use since Apr. 30, 1932.

Ser. No. 395,739. SOUTHERN OIL COMPANY OF NEW YORK INC., Horseheads, N. Y. Filed July 29, 1937.

ROTALINE

For Gasoline, Kerosene, Motor Fuel Oils, Lubricating Oils and Greases.
Claims use since 1928.

CLASS 16

Paints and Painters' Materials

Ser. No. 396,156. PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Aug. 7, 1937.

PADISCOL

For Solvent Used for Thinning Purposes in the Manufacture of Paint.
Claims use since Mar. 5, 1937.

Ser. No. 397,732. A. C. BUSCHMAN & CO. INC., Newark, N. J. Filed Sept. 23, 1937.



The words "Lacquers Synthetics" and "Balanced Coatings" are disclaimed except as a part of the mark.
For Synthetic Lacquers and Varnishes.
Claims use since May 27, 1937.

Ser. No. 398,082. BECK, KOLLER & CO., INC., Detroit, Mich. Filed Oct. 4, 1937.



For Resins, Including Synthetic Resins and Processed Natural Resins; Resin Solutions, Including Plastic Resin Solutions; and Oils, Including Processed Oils and Synthetic Oils, for Use in Paints, Lacquers, Varnishes, Enamels, and the Like.
Claims use since Sept. 16, 1937.

CLASS 17

Tobacco Products

Ser. No. 397,968. AUGUSTUS J. GOLDEN, Baltimore, Md. Filed Sept. 30, 1937.

TU-TU-CHU

The word "Chu" is disclaimed apart from the mark.
For Chewing Cigars.
Claims use since July 1, 1937.

Ser. No. 398,047. LA YEBANA COMPANY, INC., Sampaloc, Manila, P. I. Filed Oct. 2, 1937.

Monogram

For Cigarettes and Cigars.
Claims use since Sept. 10, 1935.

Ser. No. 398,135. G. W. VAN SLYKE & HORTON, INC., Kingston, N. Y. Filed Oct. 4, 1937. Under 10-year proviso.

Royal
Worcester

For Cigars.
Claims use since January, 1888.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 394,829. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed July 3, 1937.

EA

For Hot Water Vehicle Heaters and Windshield Wipers.
Claims use since Apr. 5, 1920.

Ser. No. 396,957. HIGHWAY TRAILER COMPANY, Edgerton, Wis. Filed Aug. 31, 1937.

Freightmaster

For Trailer Bodies.
Claims use since May, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 396,417. MERCOID CORPORATION, Chicago, Ill. Filed Aug. 14, 1937.

DAYNITE TIMERCOID

For Electric Controls for Electric Switches, Temperature Operated Electric Switches, Pressure Operated Electric Switches, Time Controlled Electric Switches, and Parts Thereof.
Claims use since July 29, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 383,408. SOCIÉTÉ DES ETABLISSEMENTS SUCRAZOTE, SOCIÉTÉ ANONYME, Paris, France. Filed Sept. 18, 1936.

FISHAMORCE

For Baiting Paste for Fishing.
Claims use since May 23, 1936.

Ser. No. 388,636. FREDERIC J. DORMER, New York, N. Y. Filed Feb. 8, 1937.



The representation of the skis and the word "Arlberg" are disclaimed apart from the mark.
For Ice and Roller Skates; Snow Shoes; Skis and Equipment for Skiing—Namely, Poles and All Fittings and Accessories in Connection with Skis and Sold as Parts Thereof—Coasting Sleds and Toboggans; Hockey Pucks and Sticks; Leg, Arm, and Chest Protectors: Metal Heels; Masks; Crash Helmets.
Claims use since Jan. 12, 1937.

Ser. No. 397,179. BROWN-CAMP HARDWARE COMPANY, Des Moines, Iowa. Filed Sept. 7, 1937.

I.O.A.

For Coaster Wagons and Coasting Sleds.
Claims use since 1907.

Ser. No. 397,390. WILLIAM SKOLNICK, doing business as The Math-O-Lette Company, New Haven, Conn. Filed Sept. 13, 1937.

MATH-O-LETTE

For Game Apparatus Having a Rotating Disk Cooperating with a Stationary Dial.
Claims use since Aug. 31, 1937.

Ser. No. 397,766. OREGON WATERS FLY CO., Portland, Oreg. Filed Sept. 24, 1937.

WATER CALL

For Trout Flies for the Use of Fishermen.
Claims use since March, 1934.

Ser. No. 398,155. SAML. GABRIEL SONS & COMPANY, New York, N. Y. Filed Oct. 5, 1937.

King Gong

For Checkers.
Claims use since December, 1935.

Ser. No. 398,288. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Oct. 8, 1937.

RED POKER

For Board Game Played with Movable Pieces.
Claims use since Sept. 22, 1937.

Ser. No. 398,313. GENERAL SPORTS, INC., Chicago, Ill. Filed Oct. 9, 1937.

K-28

For Golf Balls.
Claims use since Sept. 30, 1936.

Ser. No. 398,355. EDITH S. HOLDEN, New York, N. Y. Filed Oct. 11, 1937.

BRATCHET

For Dolls.
Claims use since July 12, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 386,666. KENNETH C. SHYVERS, doing business as Shyvers Monark Company, Chicago, Ill. Filed Dec. 11, 1936.

VISION ESCALATOR

For Coin Chutes Adapted for Attachment to and Use with Vending Machines, Amusement Devices, and the Like.
Claims use since Dec. 10, 1935.

Ser. No. 388,876. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Feb. 13, 1937.



For Hand Operated Tools—Namely, Axes, Cultivators, Cutters, Lettuce Cutters, Thistle, Dock and Weed Cutters, D-Handles for Tools, Drags, Manure Drags, Potato Drags, Phosphate Drags, Stone Drags, Edgers, Lawn Edgers, Turf Edgers, Forks, Light and Heavy Forks, Alfalfa Forks, Asphalt Forks, Baling Forks, Ballast Forks, Barley Forks, Beet Forks, Clover Forks, Coal Forks, Coal Scoop Forks, Coke Forks, Cotton Seed Forks, English Digging Forks, Ensilage Forks, Fish Forks, Floral Spading Forks, Grain Forks, Hay Forks, Header Forks, Manure Forks, Mill Forks, Phosphate Forks, Potato Digging Forks, Pulp Forks, Shaving Forks, Spading Forks, Street Forks, Stone Forks, Stone Picker Forks, Tanners' Forks, Tar Forks, Vegetable Scoop Forks, Floral Garden Tools, Ice Chisels, Hoes, Beet Hoes, Blackland Hoes, Boys' Hoes, Corn Hoes, Cotton Hoes, Cotton Chopper Hoes, Cultivator Hoes, Eye Hoes, Field Hoes, Floral Hoes, Garden Hoes, Grading Hoes, Grape Hoes, Grub Hoes, Handled Sprouting Hoes, Handled Square Eye Hoes, Ladies' Hoes, Mattock Hoes, Meadow Hoes, Mortar Hoes, Mortar Mixer Hoes, Nursery Hoes, Nurserymen's Hoes, Onion Hoes, Planter Hoes, Rhode Island Hoes, Riveted Hoes, Scuffle Hoes, Sprouting Hoes, Strawberry Hoes, Street Hoes, Sugar Beet Hoes, Thinning Hoes, Tobacco Hoes, Warren Hoes, Weeding Hoes, Whirlwind Hoes, Clam Hooks, Garbage Hooks, Manure Hooks, Nurserymen's Hooks, Phosphate Hooks, Potato Hooks, Refuse Hooks, Stone Hooks, Lawn Combs, Pokers, Rakes, Asphalt Rakes, Brume Rakes, Clam Rakes, Curved Tooth Rakes, Dandelion Rakes, Flat Bow Rakes, Floral Rakes, Garden Rakes, Gravel Rakes, Lawn Rakes, Level Head Rakes, Malleable Rakes, Pine Needle Rakes, Road Rakes, Round Bow Rakes, Single Shank Rakes, Steel Rakes, Stone Rakes, Tar Rakes, Two-Man Rakes, Wire Lawn Rakes, Seedling Setters, Scoops, Scrapers, Barn Floor Scrapers, Chicken House Scrapers, Deck Scrapers, Floor Scrapers, Ship Scrapers, Shovels, Fire Shovels, Floral Shovels, Side Walk Cleaners, Sod Lifters, Spades, Concrete Spades, Hand Spades, Tool Handles and Parts Thereof, Trowels, Garden Trowels, Nurserymen's Trowels, Transplanting Trowels, Weeders, Dandelion Weeders, Hand Weeders, Onion Weeders.
Claims use since Jan. 15, 1937.

Ser. No. 390,114. COPY RIGHT MANUFACTURING CORPORATION, New York, N. Y. Filed Mar. 16, 1937.



For Mechanically Operated Copyholders for Use by Typists, Stenographers, Proof Readers, Etc.
Claims use since July 22, 1930.

Ser. No. 395,252. THE WYOTT MANUFACTURING CORPORATION, Cheyenne, Wyo. Filed July 15, 1937.

WYOTT

For Liquid Dispensers, Particularly Devices for Dispensing Predetermined Quantities of Contained Liquid Such as Cream for Individual Cream Containers, and Like Articles.
Claims use since July 1, 1936.

Ser. No. 396,003. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Aug. 4, 1937.

IROQUOIS

For Axes, Hatchets, Draw Knives, Chisels, Snips, Bits, and Hammers.
Claims use since Apr. 15, 1937.

Ser. No. 396,005. THE PECK, STOW & WILCOX COMPANY, Southington, Conn. Filed Aug. 4, 1937.

BORO

For Awls, Axes, Bits, Bit Braces, Bush Hooks, Chisels, Clamps for Carpenters and Cabinet Makers, Drawing Knives; Drills, Hand and Breast; Grass Shears; Grinders for Tools; Hammers; Hatchets; Tool Handles, Mallets; Nippers; Planes; Pliers; Pruning Shears; Punches; Scrapers; Screw Drivers; Hand Shears; Slaters' Hand Tools; Soldering Coppers; Snippers, Vises; Wrecking Bars, and Wrenches.
Claims use since Dec. 26, 1935.

Ser. No. 396,361. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 13, 1937.

DELCO

For Pumps and Pumping Apparatus for Supplying Water Under Pressure in Residential and Farm Water Supply Systems, and Parts Thereof.
Claims use since July 8, 1926.

Ser. No. 396,469. NORTON COMPANY, Worcester, Mass. Filed Aug. 16, 1937.

CRANK-O-MATIC

For Abrading and Grinding Machines Such as Crankshaft Grinding Machines.
Claims use since July 27, 1937.

Ser. No. 396,802. CHAMBERSBURG ENGINEERING COMPANY, Chambersburg, Pa. Filed Aug. 27, 1937.

CECO STAMP

The word "Stamp" is disclaimed apart from the mark.
For Stamping Hammers and Presses.
Claims use since July 23, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 389,661. GEORGE R. RIDEOUT, doing business as Rollin Products Co., Chicago, Ill. Filed Mar. 4, 1937.

DRAW-O-MATIC

For Draftsman's Drawing Instruments Including Drawing Boards, Rulers, Triangles, Dividers, Ruling Pens, Protractors, Transparent Drawing Boards, Parallel Bar Instruments, and Parts Thereof.
Claims use since Nov. 15, 1935.

Ser. No. 390,509. DUOPHOTO, LTD., now by change of name Duophoto Corporation, New York, N. Y. Filed Mar. 25, 1937.

Duophoto

For Photographic Printing and Copying Machines, Photographic Paper for Use in Making Prints in Said Machines, Trays and Drying Devices for Use in Connection with the Making and Finishing Such Prints.
Claims use since Dec. 23, 1936.

Ser. No. 396,841. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 27, 1937.

MARVEL

For Cameras.
Claims use since June 1, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 396,380. J. R. WOOD & SONS, INC., Brooklyn, N. Y. Filed Aug. 13, 1937.

ROYAL ENSEMBLE

The word "Ensemble" is disclaimed apart from the word "Royal".
For Finger Rings, Bracelets, Brooches, Ear Rings, Necklaces, Jewelled Hair Ornaments, Clips, Vanity Cases, Lipstick Holders, All the Foregoing Articles Being Made in Whole or in Part of Precious Metal or Plated with the Same.
Claims use since July 15, 1937.

Ser. No. 397,163. JAMES V. PROVENZA, doing business as Novoscopic Rosary Company, Chicago, Ill. Filed Sept. 7, 1937.

NOVO-SCOPIC

For Rosaries Made in Whole or in Part of Precious Metals or Plated with the Same.
Claims use since Apr. 1, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 394,579. CLAIROL, INC., New York, N. Y. Filed June 28, 1937.



CLAIROL

For Brushes Adapted for Use to Apply Dyes to Hair.
Claims use since Dec. 26, 1934.

Ser. No. 398,249. H. E. LINDSTROM, doing business as Acme Broom Company, Sedalia, Mo. Filed Oct. 7, 1937.

ZEPHYR

For Brooms.
Claims use since June 24, 1937.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 394,823. GEO. BORGFELDT CORPORATION, New York, N. Y. Filed July 3, 1937.

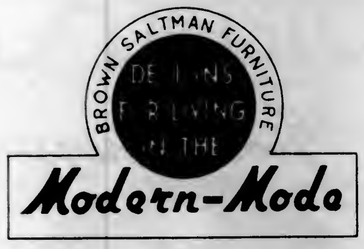


For Dinner Sets, Breakfast Sets, Vases, Compotes, Nappies, Marmalade Jars, Bonbon Dishes, Ornamental Trays and Ornamental Receptacles, All Said Goods Being Made of China, Porcelain, and Earthenware.
Claims use since November, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 395,270. BROWN-SALTMAN UPHOLSTERING COMPANY, South Gate, Calif. Filed July 16, 1937.



All wording is disclaimed apart from the mark.
For Davenports, Mattresses, Love-Seats, Sectional Davenports, Sectional Love-Seats, Occasional Chairs, Club Chairs, Reclining Chairs, Hall Chairs, Studio Couches, Boudoir Chairs, Chaise Lounges, Ottomans, Hassocks, Footstools, Fireside Benches, Slipper Chairs, Coffee Tables, End Tables, Console Tables, Lamp Tables, Card Tables, Occasional Tables, Book Cases, Liquor Cabinets, Bars, Magazine Stands, Radio Cabinets, Card Chairs, Folding Chairs, Desks, Office Desks, Bedroom Desks, Study Desks, Home Desks, Flat Top Desks, Secretary Desks, Dining Tables, Buffets, China Closets, Servers, Dining Room Chairs, Dining Arm Chairs, Breakfast Tables, Hutch Cabinets, Beds, Chests of Drawers, Wardrobe Chests, Cedar Chests, Vanities, Dressers, Mirrors, Dressing Tables, Night Stands, Commodes, Kitchen Tables, Kitchen Chairs, and Stools.
Claims use since June 5, 1937.

Ser. No. 396,788. SHELLMAR PRODUCTS COMPANY, Mount Vernon, Ohio. Filed Aug. 26, 1937.

SHELLO-DRAPE

The word "Drape" is disclaimed apart from the mark.
For Curtains for Windows.
Claims use since July 7, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 374,371. LIBERTY RESEARCH LABORATORIES, INC., Farmingdale, Long Island, N. Y. Filed Feb. 1, 1936.

LIBERTY

For Power Oil Burners and/or Parts Thereof Using #2 or Heavier Commercial Oils.
Claims use since Apr. 5, 1934.

Ser. No. 396,840. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Aug. 27, 1937.

LIGHTMASTER

For Liquid Fuel Lamps.
Claims use since August, 1936.

CLASS 37

Paper and Stationery

Ser. No. 383,356. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed Sept. 17, 1936.

Dura-Glo

For Cover Paper.
Claims use since May 26, 1936.

Ser. No. 397,182. BROWN-CAMP HARDWARE COMPANY, Des Moines, Iowa. Filed Sept. 7, 1937.

I.O.A.

For Lead Pencils and Toilet Paper.
Claims use since 1907.

Ser. No. 397,272. WYOMISSING GLAZED PAPER COMPANY, West Reading, Pa. Filed Sept. 9, 1937.

REFLECTONE

For Glazed Paper.
Claims use since Aug. 26, 1937.

Ser. No. 397,796. DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Sept. 25, 1937.

TELL-U-TAGS

The word "Tags" used alone is disclaimed.
For Blank or Partially Printed Tags.
Claims use since July 1, 1937.

Ser. No. 398,337. AIKIN-LAMBERT COMPANY, New York, N. Y. Filed Oct. 11, 1937.

SkyWriter

For Fountain Pens and Parts Thereof.
Claims use since Sept. 1, 1937.

CLASS 38

Prints and Publications

Ser. No. 388,554. TROJAN PUBLISHING CORPORATION, New York, N. Y., assignor to Lone Ranger, Inc., Detroit, Mich., a corporation of Michigan. Filed Feb. 4, 1937.

The LONE RANGER Magazine

For Periodical Publication.
Claims use since Feb. 1, 1937.

Ser. No. 394,644. CURT TEICH & COMPANY, INC., Chicago, Ill. Filed June 28, 1937.



For Multi-Colored Post-Cards and Pictorial Illustrations.
Claims use since March, 1904.

Ser. No. 396,645. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Filed Aug. 21, 1937.

Package Parade

For Section in a Monthly Periodical.
Claims use since January, 1936.

Ser. No. 397,042. MEAT TRADE PUBLISHING CO., Chicago, Ill. Filed Sept. 2, 1937.

THE MEAT DEALER AND
BUTCHERS & PACKERS Gazette

For Periodical Publication.
Claims use since March, 1935.

Ser. No. 397,046. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Filed Sept. 2, 1937.

The NEW in the News

For Section in a Monthly Periodical.
Claims use since January, 1937.

Ser. No. 397,047. OGDEN-WATNEY PUBLISHERS, INC., New York, N. Y. Filed Sept. 2, 1937.

TIMELY TECHNICALITIES

For Section in a Monthly Periodical.
Claims use since January, 1936.

Ser. No. 397,115. HEARST MAGAZINES INC., New York, N. Y. Filed Sept. 4, 1937.

Good Buys

For Magazine Section.
Claims use since Aug. 15, 1937.

Ser. No. 397,286. E. A. FREUND, New York, N. Y. Filed Sept. 10, 1937.

PUBLISHING PRODUCTION

For Magazine Section.
Claims use since Sept. 8, 1937.

Ser. No. 397,483. ALDEN F. PERRIN, Chicago, Ill. Filed Sept. 16, 1937.

Better ROADS

For Periodical Published Monthly.
Claims use since Oct. 14, 1931.

Ser. No. 397,384. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C. Filed Sept. 27, 1937.

News-lines

For Sections of Periodical Publications.
Claims use since Sept. 20, 1937.

Ser. No. 397,978. LOOK, INC., Des Moines, Iowa. Filed Sept. 30, 1937.

ZOO

For Section of a Magazine.
Claims use since Aug. 31, 1937.

Ser. No. 397,984. ROCKFORD PHOTO SERVICE, doing business as Album Photo Service, Rockford, Ill. Filed Sept. 30, 1937.

Artisto

For Photographic Prints.
Claims use since June 12, 1935.

Ser. No. 397,987. SPAULDING-MOSS COMPANY, Boston, Mass. Filed Sept. 30, 1937.



For Blue Prints, Van Dyke Prints, Direct Positive Prints, Photostat Prints, Magnigraph Prints, Tracing Cloth Prints, Photographic Prints, Planographic Prints, Photolithographic Prints and Technical Books.
Claims use since July 20, 1937.

Ser. No. 398,030. T. RONALD ALLEN, doing business as T. Ronald Allen and Staff, Dayton, Ohio. Filed Oct. 2, 1937.

Grid Graphs & Game Forecasts

For Weekly Publication Forecasting the Winners of Games.
Claims use since Sept. 20, 1937.

CLASS 39

Clothing

Ser. No. 378,487. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed May 15, 1936.



The numerals 1, 2, and 3 and the three dots on which they appear are disclaimed when dissociated from each other or the other features of the mark.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since Mar. 20, 1936.

Ser. No. 379,903. ROGERS PEET COMPANY, New York, N. Y. Filed June 18, 1936.



The name and picture are fanciful. The individual shown on the specimens is known in applicant's business as "Sir Rogers".
For Men's and Boys' Clothing—Namely, Suits, Overcoats, Topcoats, Hats, and Shoes of Leather.
Claims use since June 1, 1936.

Ser. No. 380,199. BERT GREEN, New York, N. Y. Filed June 25, 1936.

London Mist
SHOWER PROOF

The words "Shower Proof" and "London" are disclaimed apart from the mark.
For Men's Outer Clothing—Namely, Topcoats, Overcoats, Suits, Trousers, Coats, and Vests.
Claims use since Feb. 20, 1936.

Ser. No. 383,379. ALLEN EDMONDS SHOE CORPORATION, Belgium, Wis. Filed Sept. 18, 1936.

Ostendo

For Shoes of Leather and Combinations of Leather, Fabric, and Rubber.
Claims use since Sept. 9, 1936.

Ser. No. 389,098. PRICE CRAVATS COMPANY, Newark, N. J. Filed Feb. 18, 1937.

Florida
SURF BREEZE
HAND TAILORED
RESILIENT WASHABLE

The words "Florida", Hand Tailored", Resilient", and "Washable" are disclaimed except as shown.
For Men's Neckties.
Claims use since Jan. 2, 1937.

Ser. No. 389,388. SPATZ BROS., INC., New York, N. Y. Filed Feb. 25, 1937.



The words "Trade Mark" are disclaimed.
For Women's and Children's Raincoats, Raincapes, and Hats.
Claims use since Feb. 19, 1937.

Ser. No. 390,459. LERNER BLOUSE CO., New York, N. Y. Filed Mar. 24, 1937.

De Luxe "Personality" Blouse

The words "De Luxe" and "Blouse" are disclaimed apart from the mark. The portrait is fanciful.
For Ladies' Blouses, Ladies' Shirtwaists, and Ladies' Waists.
Claims use since Mar. 12, 1936.

Ser. No. 391,382. FRANCO CORSET COMPANY, New York, N. Y. Filed Apr. 15, 1937.

Bias-lastik

The word "Bias" is disclaimed apart from the mark.
For Corsets.
Claims use since Apr. 2, 1937.

Ser. No. 391,957. HOLLYWOOD PREVUE LTD., New York, N. Y. Filed Apr. 28, 1937.

Baltimore Belle

The word "Baltimore" is disclaimed apart from the mark.
For Ladies' Dresses, Evening Gowns, Hats, and Bonnets.
Claims use since Apr. 12, 1937.

Ser. No. 392,719. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed May 13, 1937.

The Whippet

For Hats—Namely, Men's and Boys' Hats of Felt, Straw, and Straw Braid, Cloth Caps, Men's Silk Hats, and Felt and Straw Hats for Women and Children.
Claims use since Apr. 9, 1937.

Ser. No. 392,930. LAKELAND MANUFACTURING COMPANY, Sheboygan, Wis. Filed May 18, 1937.



The representation of the mackinaw and the words "The All-Weather Coat" and "Product" are disclaimed apart from the mark.
For Mackinaws.
Claims use since Jan. 2, 1937.

Ser. No. 393,032. THE FUR MART OF AMERICA, INC., New York, N. Y. Filed May 20, 1937.



Applicant disclaims the words "Seal" and "Dyed Imported Coney" and the representation of the label.
For Dyed Coney Coats, Capes, and Jackets.
Claims use since Jan. 1, 1936.

Ser. No. 393,850. HART, SCHAFFNER & MARX, Chicago, Ill. Filed June 9, 1937.

Glen-O-Plaid

The word "Plaid" is disclaimed except as shown.
For Men's and Boys' Coats, Suits, Overcoats, Topcoats, Vests, Trousers, and Knickerbockers and Breeches.
Claims use since May 26, 1937.

Ser. No. 393,967. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed June 12, 1937.



The word "Couturiere" is disclaimed apart from the mark.
For Women's, Children's, and Men's Shoes Made of Leather or Fabric or of Combinations of Those Materials, and Hosiery, Hats.
Claims use since Apr. 5, 1937.

Ser. No. 394,894. JEAN ELLIOTT YARNS, Los Angeles, Calif. Filed July 6, 1937.

Jean Elliott

The name on the drawing is a facsimile of the signature of one of the members of the firm.
For Men's, Women's, and Children's Sportswear—Namely, Sweaters, Skirts, Suits, Hats, and Gloves of Knitted and Woven Fabrics.
Claims use since Jan. 1, 1934.

Ser. No. 395,654. ROSENBLATT AND KAHN, New York, N. Y. Filed July 26, 1937.



The term "Winter-set" is disclaimed apart from the mark.
For Children's Coats, Suits, Dresses, Pajamas, Play Suits.
Claims use since May, 1937.

Ser. No. 395,683. ROGERS PEET COMPANY, New York, N. Y. Filed July 27, 1937.

BEACHSTRAND

For Men's and Boys' Suits, Overcoats, Beach Robes, Bathing Suits, Outer Suits, Underwear, Hats, and Leather, Rubber, or Fabric Shoes.
Claims use since July 16, 1937.

Ser. No. 395,896. BATES SHOE COMPANY, Webster, Mass. Filed Aug. 2, 1937.



The word "Shoes" and "Dependables" are disclaimed apart from the mark.
For Leather Shoes, Rubber Shoes, and Fabric Shoes, and Shoes Made of Various Combinations of the Above-named Materials.
Claims use since Apr. 1, 1936.

Ser. No. 395,980. DECATUR GARMENT COMPANY, Decatur, Ill. Filed Aug. 4, 1937.



The wording is disclaimed apart from the mark.
For Dresses and Aprons for Women and Misses.
Claims use since August, 1934.

Ser. No. 396,476. STEINBERGER BROS. GLOVE CORPORATION, New York, N. Y. Filed Aug. 16, 1937.



The word "Gloves" is disclaimed except as shown.
For Men's, Women's, and Children's Gloves and Mittens Made of Leather and/or Fabric, or Any Combination Thereof.
Claims use since Aug. 1, 1937.

Ser. No. 396,777. MILGRIM MANUFACTURING CO., New York, N. Y. Filed Aug. 26, 1937.

SPIFFIES

AT YOUR BEST ASLEEP OR AWAKE

For Ladies' Negligees, Pajamas, Nightgowns, Slips, Petticoats, Panties, Brassières, and Bloomers.
Claims use since May 13, 1936.

Ser. No. 396,853. WAMSUTTA MILLS, New Bedford, Mass. Filed Aug. 27, 1937.

WINTACALE

For Outer Shirts, Shorts, Slacks, and Sportswear—Namely, Dresses, Blouses, and Jackets, for Men, Women, and Children.
Claims use since Dec. 9, 1936.

Ser. No. 396,876. S. L. HOFFMAN CO., INC., New York, N. Y. Filed Aug. 28, 1937.

UTILIFORM

For Ladies' Utility Dresses and Uniforms.
Claims use since Aug. 23, 1937.

Ser. No. 396,885. THE NEATFORM CO., INC., New York, N. Y. Filed Aug. 28, 1937.

Kontro-Belt

The word "Belt" is disclaimed apart from the mark.
For Brassières, Corsets, Girdles, Reducing Foundations, Step-in Girdles, and Combination Corsets and Brassières.
Claims use since Aug. 18, 1937.

Ser. No. 397,240. BREGSTEIN-RICHMAN, INC., New York N. Y. Filed Sept. 9, 1937.

CREPE BR DURÉ

The words "Crepe Dure" are disclaimed apart from the mark.
For Ladies' Undergarments—Namely, Slips.
Claims use since July 17, 1936.

Ser. No. 397,428. TRICOT CORP. OF AMERICA, New York, N. Y. Filed Sept. 14, 1937.

TRICOTCORP OF AMERICA TCA

For Men's, Women's, and Children's Underwear, Hosiery, Bathing Suits, Jerseys, and Sweaters, of Knit and/or Woven Materials, Polo Shirts, Pullovers, Dresses, and Dress Shirts, of Knitted and/or Woven Materials.
Claims use since Aug. 20, 1937.

Ser. No. 397,589. ISRAEL ROSENBAUM, New York, N. Y. Filed Sept. 20, 1937.

MAY SHOE

The word "Shoe" is disclaimed apart from the mark.
For Boots and Shoes of Leather and of Leather and Fabric.
Claims use since June 1, 1913.

Ser. No. 397,739. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Sept. 24, 1937.

CELAIRE

For Women's and Men's Underwear.
Claims use since Sept. 23, 1937.

Ser. No. 397,758. JULIUS KAYSER & CO., New York, N. Y. Filed Sept. 24, 1937.

KAYTITES

For Ladies' Underwear.
Claims use since Oct. 16, 1936.

Ser. No. 397,832. SYLVESTER ASHHEIM, New York, N. Y. Filed Sept. 27, 1937.

Aneco

For Trousers and Knickers for Men and Boys.
Claims use since October, 1922.

Ser. No. 397,838. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Sept. 27, 1937.

"KITCHEN KUTIES"

For Women's and Misses' House Dresses.
Claims use since Sept. 9, 1937.

Ser. No. 397,898. CHIC-TOGS, INC., New York, N. Y. Filed Sept. 28, 1937.

The Big Apple
THE DANCE CRAZE

For Skirts for Women, Misses, and Children.
Claims use since Sept. 15, 1937.

Ser. No. 398,003. CORNBLEET BROTHERS, Henderson, Ky. Filed Oct. 1, 1937.

BIG APPLE



For Women's and Children's Dresses and Aprons.
Claims use since Sept. 16, 1937.

Ser. No. 398,037. FLEETWOOD SPORTWEAR CO. INC., New York, N. Y. Filed Oct. 2, 1937.

THE BIG APPLE

For Knitted Sweaters, Knitted Suits, and Knitted Dresses for Ladies and Misses.
Claims use since Sept. 16, 1937.

Ser. No. 398,379. WILLIAMSBRIDGE MILLS, INC., New York, N. Y. Filed Oct. 11, 1937.

"BIG APPLE"

For Women's and Misses' Blouses, Dresses, and Jackets.
Claims use since Aug. 16, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 391,972. PRESTON TRADING COMPANY, Pasadena, Calif. Filed Apr. 28, 1937.

Sovereign

For Stamped Goods for Art Needlework.
Claims use since Aug. 1, 1936.

Ser. No. 393,182. NEW YORK HAMBURGER GUMMI-WAAREN COMPAGNIE, Hamburg, Germany. Filed May 24, 1937.

HEROLD

For Combs Made of Hard Rubber.
Claims use since 1923.

Ser. No. 395,533. ELIZABETH CLAFLIN LOW, New York, N. Y. Filed July 22, 1937.

SABLÉE

For Hair Pins Made of Ordinary Metal.
Claims use since July 13, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 393,688. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 5, 1937.

Sheltonized

For Pile Fabrics in the Piece Consisting of Silk and Rayon.
Claims use since June 2, 1937.

Ser. No. 396,763. CROMPTON COMPANY, West Warwick, R. I. Filed Aug. 26, 1937.

Wave-Of-The-Wand

For Velvets in the Piece, Constructed of Silk and/or Rayon.
Claims use since June 23, 1937.

Ser. No. 396,850. WAMSUTTA MILLS, New Bedford, Mass. Filed Aug. 27, 1937.

Jog Spin Cloth

The words "Spin" and "Cloth" are disclaimed apart from the mark.
For Piece Goods of Cotton and Mixtures of Cotton, Rayon, and Acetate.
Claims use since Jan. 5, 1937.

Ser. No. 397,212. THE ALMS & DOEPKE COMPANY, Cincinnati, Ohio. Filed Sept. 8, 1937.

YOUR PROTECTION
Alms & Doepke
TESTING SERVICE

The words "Testing Service" and "Your Protection" are disclaimed apart from the mark.
For Sheets, Pillow Cases, Sheetings, Yard Goods Such as Silks, Linens, Cottons, Towels and Toweling, Bedspreads, Mattress Covers, and Blankets.
Claims use since Apr. 1, 1937.

Ser. No. 397,664. LEWIS H. HOLLANDER, doing business as L. H. Hollander & Co., New York, N. Y. Filed Sept. 22, 1937.

LUMINAL

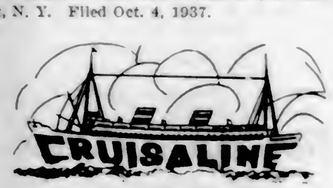
For Embroidered Textile Fabrics in the Piece of Wool, Silk, Cotton, Rayon, or Mixtures Thereof Embroidered with Lamé Metal or Lamé Metal and Velveteen Yarn.
Claims use since Sept. 3, 1937.

Ser. No. 398,002. COMMODORE WOOLEN CO., New York, N. Y. Filed Oct. 1, 1937.

GENUINE
"CARACUNA"
Exclusive Fabric

The words "Genuine" and "Exclusive Fabric" are disclaimed apart from the mark.
For Woolen Fabrics in the Piece.
Claims use since Mar. 11, 1936.

Ser. No. 398,119. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 4, 1937.



For Piece Goods of Cotton, Rayon and Silk, Cotton and Rayon, Linen, All Silk, Rayon and Silk, and Other Combinations.
Claims use since Aug. 26, 1937.

Ser. No. 398,120. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 4, 1937.

Chiffaline

For Piece Goods of Cotton, Rayon and Silk, Cotton and Rayon, Linen, All Silk, Rayon and Silk, and Other Combinations.
Claims use since Aug. 26, 1937.

Ser. No. 398,274. HIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Oct. 8, 1937.

MARVAL

For Woven Textile Rugs and Carpets.
Claims use since July 20, 1937.

Ser. No. 398,285. MARVLO MILLS, INC., New York, N. Y. Filed Oct. 8, 1937.

SHAN-RAY

For Piece Goods of Cotton, Linen, Artificial and Natural Silk Goods, and Synthetic (Rayon and Acetate) Textile Fabrics, Plain, Colored, and Printed.
Claims use since Mar. 17, 1931.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 390,461. MARCUS & WIESEN INC., New York, N. Y. Filed Mar. 24, 1937.

Vanity Fair

For Chin Bands Used for Holding Up Sagging Chins, Make-Up Head Bands for Use with Clay Masks or for Holding Back the Hair to Protect it from Facial Cosmetics, Etc., Make-Up Shoulder Bands for Protecting the Shoulders and Neck from Cosmetics, Etc., Neck-Bands Used When the Hair is Being Cut, Trimmed, or Set.
Claims use since 1915.

Ser. No. 392,536. REX Z. HOWARD, Fort Worth, Tex. Filed May 10, 1937.



For Infra-Red and Ultra-Violet Lamps, Diathermy Machines, and Galvanic Apparatus.
Claims use since Dec. 1, 1935.

Ser. No. 397,318. ZONITE PRODUCTS CORPORATION, New York, N. Y. Filed Sept. 10, 1937.

Zona

For Diaphragm Pessary for Vaginal Use.
Claims use since Aug. 17, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 395,945. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Aug. 3, 1937.

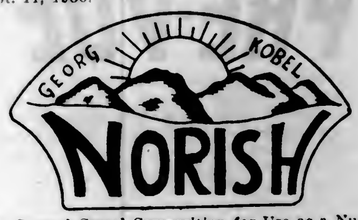
ORANJOLA

For Powdered Concentrate Used for Making a Non-Alcoholic Beverage.
Claims use since Jan. 4, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 383,132. GEORG KOBEL, New York, N. Y. Filed Sept. 11, 1936.



For Ground Cereal Composition for Use as a Nutritious Food Stuff Preparation in Powder or Cube Form, for Infants, Children, and Convalescents.
Claims use since 1936.

Ser. No. 394,176. B. HELLER & COMPANY, Chicago, Ill. Filed June 17, 1937.

PUNCHOLA

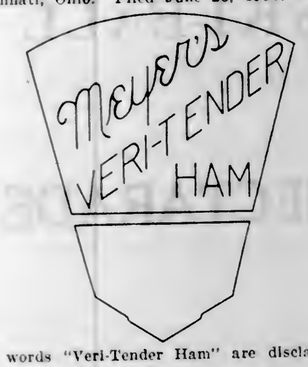
For Fruit Flavored Powdered Concentrate for Use in Making Food Beverages and Frozen Desserts.
Claims use since Oct. 14, 1930.

Ser. No. 394,558. MORRIS SIEGEL, Wilkes-Barre, Pa. Filed June 26, 1937.

A and S

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Evaporated Milk, Apple Butter, Coffee, Ketchup, Mustard, Tea, Salt, Honey, Pickles, Cocoa, Spices, Food Flavoring Extracts, and Cereal Breakfast Food, and Mayonnaise.
Claims use since Mar. 23, 1936.

Ser. No. 394,624. THE H. H. MEYER PACKING COMPANY, Cincinnati, Ohio. Filed June 28, 1937.



The words "Veri-Tender Ham" are disclaimed apart from the mark.
For Hams.
Claims use since May 10, 1937.

Ser. No. 394,912. SAN JUAN ISLANDS CANNERY, Friday Harbor, Wash. Filed July 6, 1937.

MOUNTAIN AIR

For Canned Vegetables—Namely, Peas.
Claims use since May 15, 1937.

Ser. No. 396,221. BABY SERVICE, INC., Washington, D. C. Filed Aug. 10, 1937.

Baby Service

For Prepared Infant Foods.
Claims use since July 30, 1937.

Ser. No. 396,294. LOUIS A. M. PHELAN, doing business as Pur-O-Mix Laboratories, Rockton, Ill. Filed Aug. 13, 1937.

PUR-O-MIX

The word "Mix" is disclaimed apart from the mark.
For Mix With Which to Make Malted Milk, Ice Cream, Ices, and Edible Delicacies.
Claims use since Dec. 1, 1936.

Ser. No. 396,489. PAUL BUNYAN FOODS, INC., Seattle, Wash. Filed Aug. 17, 1937.

BLUE OX

For Canned Fruits, Vegetables, Berries, Sauerkraut, and Tomato Catsup.
Claims use since June 14, 1937.

Ser. No. 396,820. W. J. LAKE & COMPANY, INC., Seattle, Wash. Filed Aug. 27, 1937.



The words "Marca" and "Brand" are disclaimed apart from the mark shown.
For Lard.
Claims use since Apr. 27, 1937.

Ser. No. 396,824. MARKS' PRIZE RECIPE FOODS, Baltimore, Md. Filed Aug. 27, 1937.



The words "Prize Recipe" are disclaimed apart from the mark.
For Mayonnaise, Thousand Island Dressing, Salad Dressing; Olive-Naise, a Combination of Chopped Olives

and Mayonnaise Sandwich Spread, Mayonnaise Relish; Barbecue Relish, a Combination of Pickle Relish, Mustard, Spices, Pickles, Etc.; Hot Pepper Relish, Cucumber Rings, Chili Sauce, Mustard, and Pickles.
Claims use since Sept. 7, 1935.

Ser. No. 396,963. NESTLÉ'S MILK PRODUCTS, INC., New York, N. Y. Filed Aug. 31, 1937.

GRAINEL

A NESTLÉ PRODUCT

The words "A" and "Product" are disclaimed apart from the mark. Applicant is the owner of the following United States registration: 188,080 granted August 19th, 1924 (under the 10-year proviso).
For Cereal Food for Infants.
Claims use since Aug. 20, 1937.

Ser. No. 397,459. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Sept. 15, 1937.



The drawing is lined for brown and red and such colors are claimed as features of the mark.
For Pudding and Pie Filling.
Claims use since Oct. 17, 1936.

Ser. No. 397,460. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Sept. 15, 1937.

ROYAL

For Pudding and Pie Filling.
Claims use since Mar. 24, 1920.

Ser. No. 397,646. CONTINENTAL FOODS CORP., Los Angeles, Calif. Filed Sept. 22, 1937.

PRE-VUE

For Canned Vegetables—Namely, Onions, Green Peppers, Potatoes, Corn on the Cob, Artichokes, Carrots, Beets, Lima Beans, Snap Beans, Red Kidney Beans, Asparagus, Peas, Corn; Canned Fruits—Namely, Peaches, Youngberries, Loganberries, Strawberries, Apricots, Cherries, Raspberries, Prunes, Apples, Pears, Plums; Canned Rhubarb and Canned Creaming Sauce.
Claims use since Aug. 10, 1937.

Ser. No. 397,710. HARDIE BROTHERS COMPANY, Pittsburgh, Pa. Filed Sept. 23, 1937.

HIGHLAND
PEP JELLIES

The word "Jellies" is disclaimed apart from the mark.
For Candy.
Claims use since June 25, 1937.

Ser. No. 397,781. VIMPEP FOODS, INC., Cambridge, Md. Filed Sept. 24, 1937.

PLAY BALL

For Dog and Cat Food.
Claims use since Sept. 15, 1937.

Ser. No. 397,814. NEWSOM PALMER & CO., New York, N. Y. Filed Sept. 25, 1937.

SKI-BALL

For Tea.
Claims use since Mar. 12, 1937.

Ser. No. 397,863. PAULUS BROS. PACKING CO., Salem, Oreg. Filed Sept. 27, 1937.

NECTARADE

For Canned Fruit Juices for Food Purposes.
Claims use since Aug. 2, 1937.

Ser. No. 397,948. ARTHUR MANN, Salinas, Calif. Filed Sept. 29, 1937.

A.M.

For Fresh Vegetables.
Claims use since Nov. 8, 1935.

CLASS 47

Wines

Ser. No. 390,293. SOCIETE COOPERATIVE VIGNERONNE DES GRANDES CAVES RISHON LE ZION AND ZICRON JACOB, LTD., Richon le Zion, Palestine. Filed Mar. 19, 1937. Under 10-year proviso.

CARMEL



For Wines.
Claims use since 1882.

Ser. No. 394,763. SWISS CHALET, Rochelle Park, N. J. Filed July 1, 1937.

Swiss Chalet

The word "Swiss" is disclaimed apart from the mark.
For Wines.
Claims use since June 25, 1937.

Ser. No. 395,722. F. SALMINA & CO., Larkmead Station, St. Helena, Calif. Filed July 28, 1937.

Larkmead

For Wines.
Claims use since 1895.

CLASS 48

Malt Beverages and Liquors

Ser. No. 371,098. LOUIS N. HARTOG, doing business as North Kensington Refinery, New York, N. Y. Filed Nov. 2, 1935.

MALTO-DEXTRINE

The word "Malto-Dextrine" is disclaimed apart from the mark.
For Malto-Dextrine Used for Beer Brewing Purposes Only.
Claims use since Jan. 12, 1905.

Ser. No. 391,510. ATLAS BREWING COMPANY, Chicago, Ill. Filed Apr. 19, 1937.



Applicant disclaims "Muenchener" apart from the mark.
For Beer.
Claims use since Oct. 4, 1933.

Ser. No. 398,315. ILLINOIS BREWING COMPANY, Thornton, Ill. Filed Oct. 9, 1937.

Pennant

For Lager Beer.
Claims use since July 29, 1937.

Ser. No. 398,637. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Filed Oct. 18, 1937.



The drawing is lined for red, white, and blue.
For Beer.
Claims use since Apr. 15, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 384,121. DANT & HEAD DISTILLING COMPANY, INC., Louisville, Ky. Filed Oct. 8, 1936.



The drawing is lined for red and gold. No claim is made to the word "Club" apart from the mark.
For Whiskey.
Claims use since Sept. 15, 1936.

Ser. No. 396,024. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Ky. Filed Aug. 5, 1937.

KENTUCKY CONFEDERATE

The word "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Aug. 2, 1937.

Ser. No. 397,947. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 29, 1937.

OLD WHALER

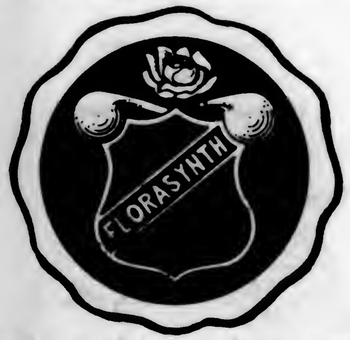
For Whiskey.
Claims use since June 1, 1936.

Ser. No. 397,958. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Sept. 29, 1937.

BARSTOCK

For Whiskey.
Claims use since Aug. 20, 1937.

Ser. No. 398,005. FLORASYNTH LABORATORIES, INC., New York, N. Y. Filed Oct. 1, 1937.



For Natural and Synthetic Organic Products for Flavoring Extracts, Oils, and Blenders for Alcoholic Beverages.
Claims use since July, 1916.

Ser. No. 398,152. JOSEPH S. FINCH AND COMPANY, Schenley, Pa. Filed Oct. 5, 1937.

RONTANG

For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since June 20, 1937.

Ser. No. 398,455. BEN-BURK, INC., Boston, Mass. Filed Oct. 14, 1937.

ANCIENT LABEL

The word "Label" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 30, 1937.

Ser. No. 398,486. T. J. PENDERGAST WHOLESALE LIQUOR CO., INC., Kansas City, Mo. Filed Oct. 14, 1937.

Royal Elm

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Oct. 6, 1936.

Ser. No. 398,487. T. J. PENDERGAST WHOLESALE LIQUOR CO. INC., Kansas City, Mo. Filed Oct. 14, 1937.

TOWER TAVERN

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Apr. 20, 1937.

Ser. No. 398,524. CENTRAL STATES DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 15, 1937.

ROY-RENÉ

For Brandy.
Claims use since July 9, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 397,071. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Sept. 3, 1937.



For Container Closures.
Claims use since September, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 23, 1937

352,136. WINE. CONSORZIO PER LA DIFESA DEL VINO TIPICO DEL CHIANTI E DELLA SUA MARCA DI ORIGINE, Firenze, Italy.
Filed February 16, 1934. Serial No. 347,441. PUBLISHED SEPTEMBER 14, 1937. Class 47.

352,137. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JACOB ENGLANDER, doing business as Federal Products Co., Newark, N. J.
Filed January 18, 1935. Serial No. 360,406. PUBLISHED APRIL 23, 1935. Class 49.

352,138. GIN. W. A. TAYLOR & Co., New York, N. Y.
Filed October 2, 1935. Serial No. 369,937. PUBLISHED AUGUST 11, 1936. Class 49.

352,139. SARDINES, SHRIMPS, TUNA FISH, ALL CANNED. GEORGE NOWLAND CORPORATION, New York, N. Y.
Filed May 9, 1936. Serial No. 378,264. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,140. DISTILLATE RANGE OIL BURNERS, GRAVITY POT BURNERS, AND AUTOMATIC POWER OIL BURNERS. REPUBLIC PIPE & SUPPLY CORPORATION, Boston, Mass.
Filed May 23, 1936. Serial No. 378,802. PUBLISHED SEPTEMBER 14, 1937. Class 34.

352,141. WOMEN'S HOSIERY. THE ELDER AND JOHNSTON COMPANY, Dayton, Ohio.
Filed June 13, 1936. Serial No. 379,684. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,142. MECHANICAL LEAD PENCILS. EAGLE PENCIL COMPANY, New York, N. Y.
Filed June 25, 1936. Serial No. 380,192. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,143. PHOTOGRAPHIC OBJECTIVES. CARL ZEISS, Jena, Germany.
Filed July 14, 1936. Serial No. 381,013. PUBLISHED SEPTEMBER 7, 1937. Class 26.

352,144. STORAGE-BATTERY CHARGERS, FOR ROOM HEATERS EMBODYING ELECTRICAL RESISTANCE ELEMENTS AND ELECTRICALLY DRIVEN FANS, AND FOR RADIO RECEIVERS FOR USE IN BOTH AUTOMOBILES AND HOMES. NOBLITT-SPARKS INDUSTRIES, INC., Columbus, Ind.
Filed July 18, 1936. Serial No. 381,166. PUBLISHED SEPTEMBER 14, 1937. Class 21.

352,145. PRAYER SHAWLS, KNOWN AS "TALAISIM". ZION TALIS MANUFACTURING CORP., New York, N. Y.
Filed August 4, 1936. Serial No. 381,825. PUBLISHED AUGUST 31, 1937. Class 39.

352,146. COFFEE. THE SHEAR COFFEE COMPANY OF TEXAS, Waco, Tex.
Filed August 26, 1936. Serial No. 382,605. PUBLISHED JANUARY 5, 1937. Class 46.

352,147. BARE AND INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed October 17, 1936. Serial No. 384,457. PUBLISHED SEPTEMBER 14, 1937. Class 21.

352,148. FLANNEL OR FLANNELETTE MADE OF COTTON AND SOLD IN THE PIECE. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y.
Filed November 2, 1936. Serial No. 385,034. PUBLISHED JANUARY 19, 1937. Class 42.

352,149. PORTABLE PATCHING KITS FOR MENDING PNEUMATIC TIRES AND TUBES AND FOR CASING PATCHES. BOWES SEAL FAST CORPORATION, Indianapolis, Ind.
Filed November 12, 1936. Serial No. 385,379. PUBLISHED SEPTEMBER 14, 1937. Class 35.

352,150. UNITARY ELECTRIC LIGHTING FIXTURES. GEORGE AINSWORTH, New York, N. Y.
Filed November 14, 1936. Serial No. 385,502. PUBLISHED SEPTEMBER 7, 1937. Class 21.

352,151. BLACKBOARDS. BLUE RIDGE GLASS CORPORATION, Kingsport, Tenn.
Filed November 23, 1936. Serial No. 385,875. PUBLISHED SEPTEMBER 14, 1937. Class 50.

352,152. HAIR TONICS. PHILLIP SLABINE, doing business as Great Atlantic Laboratories, Boston, Mass.
Filed December 2, 1936. Serial No. 386,226. PUBLISHED APRIL 20, 1937. Class 6.

352,153. EFFERVESCENT SALT. HONOROFF LABORATORIES, Chicago, Ill.
Filed December 10, 1936. Serial No. 386,881. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,154. WHISKEY. PURITY LIQUOR STORE INC., Peoria, Ill.
Filed December 19, 1936. Serial No. 386,960. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,155. TECHNICAL EMULSIONS—NAMELY, PREPARATIONS FOR SIZING, FINISHING, AND WATER-PROOFING PAPER AND FABRICS, AND MORE PARTICULARLY GLUE EMULSIONS AND RESIN EMULSIONS FOR THIS PURPOSE. CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT, Oschatz-Zschollau, Germany.
Filed December 22, 1936. Serial No. 387,026. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,156. TEXTILE DYEING AUXILIARIES AND FINISHING AGENTS—NAMELY, MEDIA FOR FACILITATING THE DISSOLVING OF DYES AND IMPROVING PENETRATION OF THE SAME, ETC. CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT, Oschatz-Zschollau, Germany.
Filed December 22, 1936. Serial No. 387,027. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,157. TEXTILE DYEING AUXILIARIES AND FINISHING AGENTS—NAMELY, MEDIA FOR FACILITATING THE DISSOLVING OF DYES AND IMPROVING PENETRATION OF THE SAME, ETC. CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT, Oschatz-Zschollau, Germany.
Filed December 22, 1936. Serial No. 387,028. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,158. TEXTILE DYEING AUXILIARIES AND FINISHING AGENTS—NAMELY, MEDIA FOR FACILITATING THE DISSOLVING OF DYES AND IMPROVING PENETRATION OF THE SAME, ETC. CHEMISCHE FABRIK R. BAUMHEIER, AKTIENGESELLSCHAFT, Oschatz-Zschollau, Germany.
Filed December 22, 1936. Serial No. 387,029. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,159. PHILATELIST'S DETECTORS CONSISTING OF DEVICES FOR DETERMINING THE CHARACTERISTICS OF STAMPS AS A GUIDE IN THEIR CLASSIFICATION. IMPERIAL MOLDED PRODUCTS CORPORATION, Chicago, Ill.
Filed January 2, 1936. Serial No. 387,378. PUBLISHED SEPTEMBER 14, 1937. Class 26.

352,160. WOMEN'S AND MISSES' WEARING APPAREL—NAMELY, COATS, DRESSES, WRAPS, SUITS, BLOUSES, SWEATERS, BERETS, OUTER SKIRTS, GLOVES MADE OF SKINS AND FABRIC, THREE PIECE ENSEMBLES CONSISTING OF A COAT, SKIRT, AND BLOUSE, TWO PIECE ENSEMBLES CONSISTING OF A COAT AND DRESS, HANDKERCHIEFS, HATS, AND FUR COATS. GOULD DRESS SHOPPE, INC., New York, N. Y.
Filed February 6, 1937. Serial No. 388,614. PUBLISHED AUGUST 10, 1937. Class 39.

352,161. FIRE EXTINGUISHERS FOR USE ON AUTOMOBILES, AEROPLANES, SHIPS, TRANSPORT TRUCKS, COMBAT CARS, AND TRACTORS. ETABLISSEMENTS BOUILLON FRÈRES (SOCIÉTÉ À RESPONSABILITÉ LIMITÉE), Paris, France.
Filed February 10, 1937. Serial No. 388,708. PUBLISHED SEPTEMBER 14, 1937. Class 23.

352,162. WATERPROOFED WOVEN PIECE GOODS MADE OF COTTON OR ARTIFICIAL SILK AND INTENDED FOR THE MANUFACTURE OF RAINCOATS, AND RAIN PROOF SUITS AND DRESSES, FOR MEN, WOMEN, AND CHILDREN. SEA ISLAND MILLS, INC., New York, N. Y.
Filed February 11, 1937. Serial No. 388,822. PUBLISHED SEPTEMBER 14, 1937. Class 50.

352,163. MOTHPROOFING COMPOUND, INSECTICIDE, FLY SPRAY, VERMICIDE, VERMINPROOFING COMPOUND, TO BE APPLIED AS A SPRAY. AQUA-SEC CORPORATION, New York, N. Y., now by change of name Ymba Corporation, assignor to Aqua-Sec Corporation, New York, N. Y., a corporation of New York (1937).
Filed February 15, 1937. Serial No. 388,890. PUBLISHED APRIL 6, 1937. Class 6.

352,164. FUR COATS MADE PARTLY OF GENUINE SOUTHERN MINK AND MUSKRATS. KARNES, LERNER & STICH, New York, N. Y.
Filed February 15, 1937. Serial No. 388,940. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,165. HORMONE PREPARATIONS (INCLUDING THOSE MADE FROM ANIMALS AND VEGETABLES AND ALSO FROM CHEMICAL SYNTHETIC PRODUCTS), USED IN THE TREATMENT OF SEXUAL NEURASTHENIA AND CLIMACTERIC DISEASES. KABUSHIKI KAISHA TEIKOKUSHA ZOKIYAKU KENKYUJO, Kawasaki, Kanagawaken, Japan.
Filed February 19, 1937. Serial No. 389,132. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,166. ELECTRICAL TURN SIGNALS FOR AUTOMOBILES AND PARTS THEREOF. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed February 26, 1937. Serial No. 389,414. PUBLISHED SEPTEMBER 7, 1937. Class 21.

352,167. WIRE CLOTHS, FELT CLOTHS, AND JACKETS FOR PAPER MAKING MACHINES, PULP MACHINES, BOARD MACHINES, AND WALLPAPER MACHINES. AKCIOVÁ SPOLEČNOST TOVÁREN NA FEZY, also doing business as Fez Company Limited, Strakonice, Czechoslovakia.
Filed March 1, 1937. Serial No. 389,492. PUBLISHED SEPTEMBER 14, 1937. Class 23.

352,168. LOCKING PLATES FOR SCREWS AND BOLTS. GEORGE A. TINNERMAN, Cleveland, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio.
Filed March 6, 1937. Serial No. 389,757. PUBLISHED SEPTEMBER 14, 1937. Class 13.

352,169. DETERGENT CHEMICAL COMPOUND FOR CLEANING DAIRY EQUIPMENT SUCH AS MILK CANS, HOLDING VATS, PIPE LINES, PASTEURIZERS, ETC. CALGON, INC., Pittsburgh, Pa.
Filed March 30, 1937. Serial No. 390,687. PUBLISHED SEPTEMBER 7, 1937. Class 4.

352,170. DETERGENT CHEMICAL COMPOUND FOR WASHING GLASSES, DISHES, KITCHEN EQUIPMENT, REFRIGERATORS, COUNTERS, ETC., AND IN GENERAL, EVERYTHING THAT IS USUALLY WASHED BY HAND. CALGON, INC., Pittsburgh, Pa.
Filed March 30, 1937. Serial No. 390,688. PUBLISHED SEPTEMBER 7, 1937. Class 4.

352,171. CONCENTRATED COD LIVER OIL FOR POULTRY AND ANIMAL FEED. NAPHTHOLE, INC., New York, N. Y.
Filed March 30, 1937. Serial No. 390,705. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,172. PALE, MILD-COLORED, VISCOUS OIL HAVING A HIGH BOILING RANGE, AND WHICH IS A PLASTICIZING AND SOLUBILIZING AGENT WHICH IS DERIVED FROM COAL DISTILLATES AND CONSISTS LARGELY OF THE SUBSTANCES COUMARONE AND INDENE IN THEIR FIRST STAGE OF POLYMERIZATION. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,797. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,173. VERY VISCOUS, LIGHT STRAW TO AMBER COLORED, PLASTICIZING OIL HAVING A PHENOLIC CONTENT, WHICH POSSESSES HIGH SOLVENT AND PLASTICIZING CAPACITY FOR CELLULOSE ACETATE. THE NEVILLE COMPANY, Neville Island, Pa.
Filed April 1, 1937. Serial No. 390,801. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,174. ASPHALTIC AND BITUMINOUS COMPOUNDS AND REFRACTORY CEMENTS. BENJAMIN FOSTER COMPANY, Philadelphia, Pa.
Filed April 6, 1937. Serial No. 391,001. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,175. UNSAPONIFIABLE LIQUID FRACTION OF WHEAT EMBRYO INDICATED IN THE TREATMENT OF HABITUAL ABORTION. AYERST, MCKENNA & HARRISON (UNITED STATES) LIMITED, Rouses Point, N. Y.
Filed April 6, 1937. Serial No. 391,002. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,176. FURS, FUR SKINS, AND PELTS. GREENBERG-TOBACK, INC., New York, N. Y.
Filed April 8, 1937. Serial No. 391,066. PUBLISHED SEPTEMBER 14, 1937. Class 1.

352,177. PAINT ENAMELS, READY MIXED PAINTS, VARNISHES, PRIMERS, LACQUERS, PAINT FILLERS, AND THINNERS FOR SUCH PRODUCTS. INERTOL CO., INC., New York, N. Y.
Filed April 10, 1937. Serial No. 391,181. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,178. CHEMICAL PREPARATION FOR PRESERVING ANIMAL TROPHIES INCLUDING AND ESPECIALLY HEADS OF FISH. ASA E. FLETCHER, doing business as D-Flo Chemical Co., Omaha, Nebr.
Filed April 12, 1937. Serial No. 391,210. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,179. TYPEWRITER RIBBONS AND CARBON PAPERS. HORDER'S INCORPORATED, Chicago, Ill.
Filed April 12, 1937. Serial No. 391,222. PUBLISHED SEPTEMBER 14, 1937. Class 11.

352,180. WOMEN'S, MISSES', AND CHILDREN'S APPAREL—NAMELY, COATS, SUITS, DRESSES, BLOUSES, FROCKS, WRAPS, KNICKERS, SWEATERS, RIDING HABITS, BATHING SUITS, SPORT SCARFS, SPORT HATS, CAPES, AND SHAWLS. CHEVY CHASE MODES, INC., New York, N. Y.
Filed April 16, 1937. Serial No. 391,445. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,181. HOSIERY. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed April 22, 1937. Serial No. 391,685. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,182. OVENS. DUBBKOP OVEN COMPANY, INC., New York, N. Y.
Filed April 22, 1937. Serial No. 391,690. PUBLISHED SEPTEMBER 14, 1937. Class 34.

352,183. PREPARATION FOR REVIVIFYING THE HUMAN SYSTEM AND FOR RELIEVING FATIGUE, OVER-INDULGENCE, HEADACHE, HEAD COLDS, AND MUSCULAR ACHES. THE FAIRFIELD PHARMACAL CORPORATION, Westport, Conn.
Filed April 22, 1937. Serial No. 391,692. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,184. PREPARATION IN LIQUID OR CREAM FORM FOR EXTERNAL APPLICATION FOR AIDING REFORMATION OF PARTS OF THE HUMAN BODY. HARVAN PRODUCTS INCORPORATED, New York, N. Y.
Filed April 23, 1937. Serial No. 391,760. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,185. TOILET SOAP, SOAP, SHAVING SOAP, SHAVING CREAM, SHAMPOO SOAP, BATH SOAP TABLETS, AND SHAVING STICKS. S. H. KRESS AND COMPANY, New York, N. Y.
Filed April 23, 1937. Serial No. 391,765. PUBLISHED SEPTEMBER 7, 1937. Class 4.

352,186. CLEANSING TISSUES, PAPER HANDKERCHIEFS, PAPER TOWELS, AND PAPER NAPKINS. S. H. KRESS AND COMPANY, New York, N. Y.
Filed April 24, 1937. Serial No. 391,814. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,187. FURNITURE STAIN REMOVER. HARRY D. CUMMINS, Pasadena, Calif.
Filed May 4, 1937. Serial No. 392,261. PUBLISHED JUNE 29, 1937. Class 4.

352,188. DRINK SIPPERS MADE FROM PAPER, STRAW, OR COMPOSITION. DIAMOND STRAW CORP., New York, N. Y.
Filed May 6, 1937. Serial No. 392,351. PUBLISHED SEPTEMBER 14, 1937. Class 50.

352,189. LEATHER FILLER IN THE NATURE OF A VISCOUS SOLUTION FOR FILLING VOIDS IN LEATHER. THE TANNADE COMPANY, Chicago, Ill.
Filed May 6, 1937. Serial No. 392,397. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,190. WOMEN'S PAJAMAS. KAYLON, INC., New York, N. Y.
Filed May 7, 1937. Serial No. 392,432. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,191. DRIED EGG PRODUCTS—NAMELY, YOLK, ALBUMEN, AND WHOLE EGGS SOLD IN CASES AND BARRELS TO MANUFACTURERS AND JOBBERS. DAVID L. MOSS & CO., INC., New York, N. Y.
Filed May 7, 1937. Serial No. 392,442. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,192. DRIED EGG PRODUCTS—NAMELY, YOLK, ALBUMEN, AND WHOLE EGGS SOLD IN CASES AND BARRELS TO MANUFACTURERS AND JOBBERS. DAVID L. MOSS & CO., INC., New York, N. Y.
Filed May 7, 1937. Serial No. 392,443. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,193. DRIED EGG PRODUCTS—NAMELY, YOLK, ALBUMEN, AND WHOLE EGGS SOLD IN CASES AND BARRELS TO MANUFACTURERS AND JOBBERS. DAVID L. MOSS & CO., INC., New York, N. Y.
Filed May 7, 1937. Serial No. 392,445. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,194. FAN-DRIVEN VENTILATORS, AIR-DIFFUSERS, AND AIR ASPIRATORS. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed May 10, 1937. Serial No. 392,514. PUBLISHED SEPTEMBER 14, 1937. Class 34.

352,195. RUM. BERRY BROS. & CO., London, England.
Filed May 13, 1937. Serial No. 392,673. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,196. COLOR FEATURE PAGE USED IN NEWSPAPERS AND MAGAZINES, TELLING A STORY OF THE NORTH AMERICAN INDIANS. GEORGE ORLANDO THOMPSON, doing business as Jimmy Thompson, Toronto, Ontario, Canada.
Filed May 15, 1937. Serial No. 392,820. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,197. LOCKING PLATES FOR SCREWS AND BOLTS. GEORGE A. TINNERMAN, Cleveland, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio.
Filed May 17, 1937. Serial No. 392,897. PUBLISHED SEPTEMBER 14, 1937. Class 13.

352,198. FABRIC GLOVES. JULIUS KAYSER & CO., New York, N. Y.
Filed May 19, 1937. Serial No. 392,986. PUBLISHED AUGUST 10, 1937. Class 39.

352,199. GLOVES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. THE NATIONAL GLOVE COMPANY, Columbus, Ohio.
Filed May 21, 1937. Serial No. 393,084. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,200. WOMEN'S SHOES FOR STREET WEAR AND MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC. R. H. MACY & CO., INC., New York, N. Y.
Filed May 25, 1937. Serial No. 393,220. PUBLISHED AUGUST 10, 1937. Class 39.

352,201. PAINT OR ENAMEL FINISH HAVING THE APPEARANCE OF PORCELAIN FOR METAL, WOOD, AND OTHER MATERIALS. H. EHRLICH & SONS MANUFACTURING COMPANY, St. Joseph, Mo.
Filed May 26, 1937. Serial No. 393,268. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,202. DAILY COLUMN IN A NEWSPAPER. JOHN HAROLD KEEN, Philadelphia, Pa.
Filed May 26, 1937. Serial No. 393,284. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,203. NON-INFLAMMABLE PLASTIC TOYS. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio.
Filed May 26, 1937. Serial No. 393,285. PUBLISHED SEPTEMBER 14, 1937. Class 22.

352,204. LIVING ROOM TABLES, DINING ROOM TABLES, OCCASIONAL TABLES, DESKS, SECRETARIES, BOOKCASES, WALL BRACKETS, LIVING ROOM CABINETS, SIDEBOARDS, SERVING TABLES, COMMODES, CHESTS OF DRAWERS, EASY CHAIRS, SOFAS, WING CHAIRS, AND OCCASIONAL CHAIRS. HARRY MEYERS COMPANY, New York, N. Y.
Filed May 27, 1937. Serial No. 393,341. PUBLISHED SEPTEMBER 14, 1937. Class 32.

352,205. WHITE RUBBER TIRE ADHESIVE. A SELF VULCANIZING LIQUEFIED COATING COMPOUNDED FROM PURE LIVE RUBBER AND WHITE WATERPROOF PIGMENT. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed May 28, 1937. Serial No. 393,360. PUBLISHED SEPTEMBER 7, 1937. Class 5.

352,206. ALCOHOLIC BEVERAGES SPECIFICALLY LIQUEURS, CORDIALS, DISTILLED BRANDIES, FRUIT FLAVORED BRANDIES, FRUIT FLAVORED GIN, COCKTAILS, BITTERS, DRY GIN, MIXED SPECIALTY DRINKS AND PUNCHES. GREENBROS INCORPORATED, Cincinnati, Ohio.
Filed May 28, 1937. Serial No. 393,376. PUBLISHED SEPTEMBER 14, 1937. Class 49.

352,207. GRANITE—NAMELY, BLUE GRANITE, GRAY GRANITE, MONUMENTAL STONE, GRANITE QUARRIED IN THE ROUGH, SAWED GRANITE, AND PARTLY FINISHED GRANITE. THE GEORGIA GRANITE CORPORATION, Elberton, Ga.
Filed June 1, 1937. Serial No. 393,482. PUBLISHED SEPTEMBER 14, 1937. Class 1.

352,208. STONE MONUMENTS, STONE MEMORIALS, STONE TABLETS, AND TOMBSTONES. THE GEORGIA GRANITE CORPORATION, Elberton, Ga.
Filed June 1, 1937. Serial No. 393,483. PUBLISHED SEPTEMBER 14, 1937. Class 50.

352,209. WOOD PULP. GOTTESMAN AND COMPANY, INCORPORATED, New York, N. Y.
Filed June 3, 1937. Serial No. 393,591. PUBLISHED SEPTEMBER 14, 1937. Class 1.

352,210. ASTRINGENTS, FACE LOTION, AND A FACE MASK. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed June 3, 1937. Serial No. 393,618. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,211. COOKED MEATS—NAMELY, BEEF, PORK, AND LAMB; CHEESES, COFFEE, TEA, BUTTER, SUGAR, BREAD, AND CAKES. DAVID EVANS, doing business as Lauer Sisters, Chicago, Ill.
Filed June 4, 1937. Serial No. 393,640. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,212. HARD-BOARD WALL COVERING MATERIAL IN TILE AND PLAIN PATTERNS. COLOTYLE CORPORATION, Seattle, Wash.
Filed June 5, 1937. Serial No. 393,698. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,213. PROBLEM GAME OF NUMBERS ARRANGED IN SQUARES. JAYMAR SPECIALTY COMPANY, Brooklyn, N. Y.
Filed June 7, 1937. Serial No. 393,764. PUBLISHED SEPTEMBER 14, 1937. Class 22.

352,214. FERTILIZER-DISTRIBUTORS, STALK CUTTER AND PLOWS, COTTON AND CORN PLANTERS, COTTON PLANTERS, AND PLOW STOCK. KING PLOW COMPANY, Atlanta, Ga.
Filed June 7, 1937. Serial No. 393,768. PUBLISHED SEPTEMBER 7, 1937. Class 23.

352,215. LADIES', MISSES', AND CHILDREN'S SHOES AND SLIPPERS MADE OF LEATHER, CANVAS, FABRIC, OR COMBINATIONS THEREOF. DAINTY MAID SLIPPERS, INC., Brooklyn, N. Y.
Filed June 8, 1937. Serial No. 393,800. PUBLISHED AUGUST 10, 1937. Class 39.

352,216. DEODORANT MATERIALS. FULD BROS., Baltimore, Md.
Filed June 8, 1937. Serial No. 393,804. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,217. NEWSPAPER FEATURE OR COLUMN. NORTH AMERICAN NEWSPAPER ALLIANCE, INC., New York, N. Y.
Filed June 8, 1937. Serial No. 393,815. PUBLISHED AUGUST 31, 1937. Class 38.

352,218. WOMEN'S, MISSES', AND CHILDREN'S DRESSES OF WOVEN FABRICS. ALICE IN WONDERLAND FROCKS, INC., New York, N. Y.
Filed June 8, 1937. Serial No. 393,834. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,219. POTTERY VASES AND BOTTLES. MARY P. BECKWITH, New York, N. Y.
Filed June 9, 1937. Serial No. 393,836. PUBLISHED SEPTEMBER 14, 1937. Class 30.

352,220. SILK AND RAYON DRESS FABRICS IN THE PIECE. JOSEPH BERLINGER CO., New York, N. Y.
Filed June 9, 1937. Serial No. 393,837. PUBLISHED SEPTEMBER 14, 1937. Class 42.

352,221. AIR COMPRESSORS. MODERN EQUIPMENT CORPORATION, Defiance, Ohio.
Filed June 9, 1937. Serial No. 393,867. PUBLISHED SEPTEMBER 14, 1937. Class 23.

352,222. METAL MOULDINGS. WOOSTER PRODUCTS INC., Wooster, Ohio.
Filed June 10, 1937. Serial No. 393,926. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,223. APPARATUS FOR EXAMINING COUNTERFEIT CURRENCY BILLS. HARRY B. ROSOFF, doing business as Pride Manufacturing Co., New York, N. Y.
Filed June 11, 1937. Serial No. 393,962. PUBLISHED SEPTEMBER 14, 1937. Class 26.

352,224. PREPARATIONS USED IN THE TREATMENT OF NERVOUS DEBILITY, GENERAL MALAISE, DYSMENORRHEA, DEFICIENT OVARIAN SECRETION, CHRONIC RHEUMATOID CONDITIONS, RICKETS, DERMATOSES OF ADOLESCENCE, ANEMIA, MALNUTRITION, AND CHLOROSIS. CHICAGO PHARMACAL CO., Chicago, Ill.
Filed June 12, 1937. Serial No. 393,973. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,225. TABLETS FOR INTERNAL MEDICATION FOR THE RELIEF OF DYSMENORRHEA. GEORGE A. BREON & CO., INC., Kansas City, Mo.
Filed June 14, 1937. Serial No. 394,015. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,226. LADIES' DRESSES. COMMUNITY MANUFACTURING COMPANY, Sullivan, Ill.
Filed June 14, 1937. Serial No. 394,023. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,227. WATERPROOF WRAPPING MATERIAL IN SHEETS MANUFACTURED FROM CELLULOSE. AIR CONDITIONING TEXTILES, INC., New York, N. Y.
Filed June 15, 1937. Serial No. 394,074. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,228. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed June 16, 1937. Serial No. 394,144. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,229. GRANULAR EFFERVESCENT ANALGESIC PREPARATIONS. UNITED DRUG COMPANY, Boston, Mass.
Filed June 17, 1937. Serial No. 394,203. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,230. CLEANING COMPOUNDS FOR GENERAL USE. KRAFT PRODUCTS CO., Altoona, Pa.
Filed June 18, 1937. Serial No. 394,234. PUBLISHED SEPTEMBER 7, 1937. Class 4.

352,231. PRINTS, LITHOGRAPHS, POSTERS, AND LITHOGRAPHIC PRODUCTIONS. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio.
Filed June 19, 1937. Serial No. 394,271. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,232. TILE. KRAFTILE CO., Niles, Calif.
Filed June 19, 1937. Serial No. 394,288. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,233. METAL FACED PANEL BOARD. LUDLUM STEEL CO., Watervliet, N. Y.
Filed June 19, 1937. Serial No. 394,294. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,234. DIAMONDS AND DIAMOND MOUNTINGS. M. W. SCHIFFMAN & CO. INC., New York, N. Y.
Filed June 19, 1937. Serial No. 394,307. PUBLISHED SEPTEMBER 7, 1937. Class 28.

352,235. FOLDING CARTONS. CONTAINER CORPORATION OF AMERICA, Chicago, Ill.
Filed June 21, 1937. Serial No. 394,321. PUBLISHED SEPTEMBER 14, 1937. Class 2.

352,236. BASES CONSISTING OF NONALCOHOLIC INGREDIENTS FOR USE IN MAKING COCKTAILS. LYONS-MAGNUS, INCORPORATED, doing business as The E. G. Lyons and Raas Company, San Francisco, Calif.
Filed June 22, 1937. Serial No. 394,377. PUBLISHED SEPTEMBER 14, 1937. Class 45.

352,237. WRAPPING BANDS. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H.
Filed June 23, 1937. Serial No. 394,420. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,238. CLEANSING TISSUE MADE OF CELLULOSE. THE RIESSER COMPANY, INC., New York, N. Y.
Filed June 24, 1937. Serial No. 394,445. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,239. THERMAL INSULATION MATERIAL. GENERAL OIL BURNER CORPORATION, Baltimore, Md.
Filed June 24, 1937. Serial No. 394,457. PUBLISHED AUGUST 31, 1937. Class 12.

352,240. CREPE AND SATIN PIECE GOODS. ROTH SILK UNDERGARMENT COMPANY, New York, N. Y.
Filed June 24, 1937. Serial No. 394,470. PUBLISHED SEPTEMBER 14, 1937. Class 42.

352,241. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed June 26, 1937. Serial No. 394,542. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,242. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed June 26, 1937. Serial No. 394,545. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,243. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed June 26, 1937. Serial No. 394,546. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,244. INFANTS' AND CHILDREN'S DRESSES AND CREEPERS. F. W. WOOLWORTH CO., Philadelphia, Pa., and New York, N. Y.
Filed June 26, 1937. Serial No. 394,566. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,245. POPCORN IN ITS NATURAL STATE. CENTRAL POPCORN COMPANY, Schaller, Iowa.
Filed June 28, 1937. Serial No. 394,576. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,246. LAUNDRY WASHING MACHINES AND IRONING MACHINES. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed June 28, 1937. Serial No. 394,595. PUBLISHED SEPTEMBER 7, 1937. Class 24.

352,247. RADIO AND TELEVISION SENDING AND RECEIVING MACHINES AND PARTS. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich.
Filed June 28, 1937. Serial No. 394,604. PUBLISHED SEPTEMBER 14, 1937. Class 21.

352,248. RADIO AND TELEVISION SENDING AND RECEIVING MACHINES AND PARTS. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich.
Filed June 28, 1937. Serial No. 394,605. PUBLISHED SEPTEMBER 14, 1937. Class 21.

352,249. DOG FOOD. PRATT FOOD COMPANY, Philadelphia, Pa.
Filed June 28, 1937. Serial No. 394,634. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,250. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y., and Hoboken, N. J.
Filed June 30, 1937. Serial No. 394,692. PUBLISHED SEPTEMBER 14, 1937. Class 37.

352,251. CASTINGS OF FERROUS METAL ALLOY. ARCADE MALLEABLE IRON COMPANY, Worcester, Mass.
Filed June 30, 1937. Serial No. 394,693. PUBLISHED SEPTEMBER 14, 1937. Class 14.

352,252. CLEANSING CREAMS FOR REMOVING DUPLICATING INK, CARBON PAPER STAINS, AND THE LIKE FROM THE HANDS. STANDARD MAILING MACHINES COMPANY, Everett, Mass.
Filed June 30, 1937. Serial No. 394,733. PUBLISHED SEPTEMBER 7, 1937. Class 4.

352,253. WHISKEY. KRAUS BROS. & CO. INC., New York, N. Y.
Filed July 1, 1937. Serial No. 394,749. PUBLISHED SEPTEMBER 14, 1937. Class 49.

352,254. NEWSPAPER COMIC STRIP CARTOONS PUBLISHED IN A CONTINUING SERIES. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed July 1, 1937. Serial No. 394,756. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,255. FUR COATS OF DYED CONEY. VICMORE FUR CO., INC., Middletown, Del., and New York, N. Y.
Filed July 1, 1937. Serial No. 394,764. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,256. LADIES', MISSES', AND CHILDREN'S KNITTED SWEATERS, SUITS, PULLOVERS, AND SPORT JACKETS. BUDDY KNITWEAR, INC., New York, N. Y.
Filed July 2, 1937. Serial No. 394,779. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,257. AUTOMOTIVE PRODUCTS—NAMELY, ANTI-RUST COMPOUND FOR RADIATORS, RADIATOR CLEANERS, RADIATOR STOP LEAK, AND ANTI-FREEZE. JULIUS MACSATA, doing business as Diamond Automotive Products Company, Torrington, Conn.
Filed July 2, 1937. Serial No. 394,793. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,258. COSMETICS AND MANICURE PREPARATIONS—NAMELY, FACE POWDER, LIP-STICK, EYE SHADOW, CREAM ROUGE, DRY ROUGE, EYEBROW PENCILS, ETC. THE HOUSE OF WESTMORE, INC., Los Angeles, Calif.
Filed July 3, 1937. Serial No. 394,838. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,259. SHAMPOO WITH A SOAP BASE. LOS ANGELES SOAP CO., Los Angeles, Calif.
Filed July 3, 1937. Serial No. 394,847. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,260. OYSTERS AND CLAMS. LEON MICHELS, INC., Tuckerton, N. J.
Filed July 3, 1937. Serial No. 394,850. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,261. MEN'S HATS. RYDER HAT CO. INCORPORATED, South Norwalk, Conn.
Filed July 3, 1937. Serial No. 394,862. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,262. CHEMICAL DETERGENTS CONTAINING SODIUM PHOSPHATE, PARTICULARLY TRISODIUM PHOSPHATE. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed July 7, 1937. Serial No. 394,938. PUBLISHED SEPTEMBER 14, 1937. Class 4.

352,263. PUBLICATION IN THE NATURE OF A FOLDER CONTAINING MARKET NEWS AND DATA OF INTEREST TO USERS OF BOTANICAL CRUDE DRUGS ISSUED PERIODICALLY. J. L. HOPKINS & CO., New York, N. Y.
Filed July 7, 1937. Serial No. 394,943. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,264. LADIES' COATS AND SUITS. LOU SCHNEIDER, INC., New York, N. Y.
Filed July 7, 1937. Serial No. 394,958. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,265. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,978. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,266. RAYON AND ACETATE PIECE GOODS. ABRAM PERLMAN, New York, N. Y.
Filed July 8, 1937. Serial No. 394,997. PUBLISHED SEPTEMBER 14, 1937. Class 42.

352,267. MEN'S AND BOYS' DRESS, POLO, AND NEGLIGEE SHIRTS, UNDERSHORTS, HATS, CAPS, NECKTIES, HOSIERY, SWEATERS, SUITS, COATS, AND LEATHER GLOVES. BROWN-MCDONALD CO., Hastings, Nebr.
Filed July 9, 1937. Serial No. 395,014. PUBLISHED SEPTEMBER 7, 1937. Class 39.

352,268. CARPETS AND RUGS. THE FIRTH CARPET COMPANY, New York, N. Y.
Filed July 9, 1937. Serial No. 395,026. PUBLISHED SEPTEMBER 14, 1937. Class 42.

352,269. ASPHALTIC AND BITUMINOUS COMPOUNDS, SUCH AS ROOF COATINGS AND CEMENTS. BENJAMIN FOSTER COMPANY, Philadelphia, Pa.
Filed July 9, 1937. Serial No. 395,030. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,270. COATS, ROBES, NEGLIGEES, SMOCKS, DRESSES, AND SUITS FOR WOMEN, MISSES, AND CHILDREN. ELIAS SAYOUR CO., INC., New York, N. Y.
Filed July 9, 1937. Serial No. 395,051. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,271. LADIES' AND MISSES' SWEATERS, SKIRTS, BLOUSES, JACKETS, DRESSES, PLAYSUITS, AND SHORTS. MORRIS SLOAT, New York, N. Y.
Filed July 9, 1937. Serial No. 395,053. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,272. DAILY NEWSPAPER. HILDRETH & ROGERS CO., Lawrence, Mass.
Filed July 10, 1937. Serial No. 395,067. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,273. READY MIXED PAINTS, PIGMENTED ENAMELS AND LACQUERS. NATIONAL LEAD COMPANY, New York, N. Y.
Filed July 10, 1937. Serial No. 395,077. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,274. TOY BUILDING BLOCKS, GAMES, AND PUZZLES PLAYED BY ASSEMBLING MOVABLE PIECES INTO A UNIT. CHARLES E. GABLE, Detroit, Mich.
Filed July 9, 1937. Serial No. 395,106. PUBLISHED SEPTEMBER 14, 1937. Class 22.

352,275. WOMEN'S AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, AND PETTICOATS. CORONET UNDERTHINGS, INC., New York, N. Y.
Filed July 12, 1937. Serial No. 395,125. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,276. ALE. FOREST CITY BREWERY, INC., Cleveland, Ohio.
Filed July 12, 1937. Serial No. 395,128. PUBLISHED SEPTEMBER 14, 1937. Class 48.

352,277. DENTAL OINTMENT FOR USE AS A TOPICAL ANESTHESIA AND GERMICIDE. LEONIDAS M. FOUSHEE, doing business as Le-Mer-Fo Laboratories, Burlington, N. C.
Filed July 12, 1937. Serial No. 395,129. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,278. WHISKEY. H. GRABENHEIMER & SONS, INC., New Orleans, La.
Filed July 12, 1937. Serial No. 395,131. PUBLISHED SEPTEMBER 14, 1937. Class 49.

352,279. PERIODICAL PUBLICATIONS. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C.
Filed July 13, 1937. Serial No. 395,165. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,280. MEN'S AND BOYS' DRESS SUITS, OVERCOATS, AND TOP COATS. C. R. ANTHONY COMPANY, Oklahoma City, Okla.
Filed July 14, 1937. Serial No. 395,184. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,281. BUILDING BLOCKS OR UNITS. ERLE T. PUTNAM, Detroit, Mich.
Filed July 14, 1937. Serial No. 395,203. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,282. NEWSPAPER FEATURE PUBLISHED DAILY. THE EVENING STAR NEWSPAPER COMPANY, Washington, D. C.
Filed July 15, 1937. Serial No. 395,227. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,283. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed July 15, 1937. Serial No. 395,231. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,284. ELECTRIC ELEVATOR CONTROL SWITCHES AND ELECTRICAL SIGNAL DEVICES USED IN CONNECTION WITH ELECTRIC ELEVATORS. OTIS ELEVATOR COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 15, 1937. Serial No. 395,239. PUBLISHED SEPTEMBER 7, 1937. Class 21.

352,285. MEDICINAL PREPARATION IN POWDER FORM FOR THE RELIEF OF STOMACH ACIDITY AND OTHER STOMACH DISORDERS. LOUIS L. SOLANO, doing business as The SoDaMaG Company, New York, N. Y.
Filed July 15, 1937. Serial No. 395,246. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,286. INGREDIENT TO BE INTRODUCED IN CEMENT MIXES TO EXPAND THE SAME INTO POROUS CONCRETE. THE AEROCRETE CORPORATION OF AMERICA, New York, N. Y.
Filed July 16, 1937. Serial No. 395,256. PUBLISHED SEPTEMBER 7, 1937. Class 12.

352,287. READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. AULT & WIBORG CORPORATION, Cincinnati, Ohio, and New York, N. Y.
Filed July 16, 1937. Serial No. 395,259. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,288. HANDLES AND BACKS FOR CLOTHES, HAIR, CRUMB, AND HAT BRUSHES. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,265. PUBLISHED SEPTEMBER 14, 1937. Class 29.

352,289. PERIODICAL PUBLICATION. THE CHICAGO ASSOCIATION OF DRESS MANUFACTURERS, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,280. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,290. PERIODICAL. DOMESTIC ENGINEERING COMPANY, Chicago, Ill.
Filed July 17, 1937. Serial No. 395,332. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,291. WATERPROOF, MILDEW RESISTING MATERIAL INTENDED TO BE APPLIED AS A COATING TO COTTON, WOOL, WORSTED, RAYON, SILK, HEMP, JUTE, SISAL, AND OTHER CELLULOSIC AND FIBROUS MATERIALS AS A PROTECTION AGAINST THE DESTRUCTIVE ACTION OF WATER AND MILDEW ON THESE MATERIALS. WM. E. HOOPER & SONS COMPANY, Baltimore, Md.
Filed July 17, 1937. Serial No. 395,346. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,292. SLUG AND SNAIL DESTROYER. MAUREEN CHEMICAL CO., Seattle, Wash.
Filed July 17, 1937. Serial No. 395,350. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,293. CANNED LIMA BEANS. SEEMAN BROTHERS, INC., New York, N. Y.
Filed July 17, 1937. Serial No. 395,357. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,294. ANESTHETIC OINTMENT. CHAS. C. HASKELL & CO., INC., Richmond, Va.
Filed July 19, 1937. Serial No. 395,412. PUBLISHED SEPTEMBER 7, 1937. Class 6.

352,295. SHORTENING OLEOMARGARINE. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed July 20, 1937. Serial No. 395,444. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,296. DEPOLARIZATION MASSES AND DRY CELL BATTERIES. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 20, 1937. Serial No. 395,449. PUBLISHED SEPTEMBER 14, 1937. Class 21.

352,297. LIGHT REFLECTING PAINT FOR USE ON WALLS, CEILINGS, ETC. WAILES DOVE-HERMISTON CORPORATION, New York, N. Y.
Filed July 20, 1937. Serial No. 395,464. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,298. PERIODICAL PUBLISHED BIMONTHLY. EXPOSED PUBLISHING CO., New York, N. Y.
Filed July 21, 1937. Serial No. 395,473. PUBLISHED SEPTEMBER 14, 1937. Class 38.

352,299. CARPETS, RUGS, AND UPHOLSTERY FABRICS. INTERNATIONAL LOOMS INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,511. PUBLISHED SEPTEMBER 14, 1937. Class 42.

352,300. SKIRTS. G. HENDLER & SONS, Philadelphia, Pa.
Filed July 22, 1937. Serial No. 395,526. PUBLISHED SEPTEMBER 14, 1937. Class 39.

352,301. PAINT PIGMENTS. KREBS PIGMENT & COLOR CORPORATION, Wilmington, Del.
Filed July 22, 1937. Serial No. 395,532. PUBLISHED SEPTEMBER 14, 1937. Class 16.

352,302. MACHINES FOR MAKING NOODLES, SPAGHETTI, MACARONI, AND RAVIOLIS. AURELIO TANZI, doing business as Aurelio Tanzi Engineering Company, New York, N. Y.
Filed July 23, 1937. Serial No. 395,597. PUBLISHED SEPTEMBER 14, 1937. Class 23.

352,303. CHOCOLATES. EDGAR P. LEWIS & SONS, INC., doing business as Town Hall Chocolate Co., Malden, Mass.
Filed July 27, 1937. Serial No. 395,674. PUBLISHED SEPTEMBER 14, 1937. Class 46.

352,304. WHISKEY. CAVE SPRINGS DISTILLERY CORPORATION, INC., Wilder, Ky.
Filed July 29, 1937. Serial No. 395,748. PUBLISHED SEPTEMBER 7, 1937. Class 49.

352,305. DOLLS. GEORGENE NOVELTIES, INC., New York, N. Y.
Filed August 4, 1937. Serial No. 395,987. PUBLISHED SEPTEMBER 14, 1937. Class 22.

352,306. RUM. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed August 6, 1937. Serial No. 396,079. PUBLISHED SEPTEMBER 14, 1937. Class 49.

352,307. WHISKEY. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn.
Filed August 9, 1937. Serial No. 396,204. PUBLISHED SEPTEMBER 14, 1937. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

352,308. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN-HALL-MARX CO., New York, N. Y. Filed Aug. 29, 1936. Serial No. 382,709.



For Cotton, Rayon, Acetate, and/or Silk Piece Goods.
Claims use since July 27, 1936.

352,309. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROSS FEDERAL SERVICE, INC., New York, N. Y. Filed Oct. 17, 1936. Serial No. 384,479.

ROSS PANELS

For Advertising Billboard Panels.
Claims use since Oct. 9, 1936.

352,310. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL SILVER DEPOSIT WARE CO. INC., New York, N. Y. Filed Oct. 27, 1936. Serial No. 384,860.

London-Mixer

For Cocktail Shakers.
Claims use since Sept. 15, 1936.

352,311. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 14, 1936. Serial No. 385,514.

Exhibit's

Novelty Candy Vender

The expression "Novelty Candy Vender" is disclaimed apart from the mark.
For Coin-Controlled Merchandise Vending Machines.
Claims use since Oct. 15, 1936.

352,312. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KATZ DRUG COMPANY, Kansas City, Mo. Filed Feb. 15, 1937. Serial No. 388,942.

Dr. SWAN

For Tooth Brushes.
Claims use since Oct. 13, 1936.

352,313. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOGANSPORT MACHINE, INC., Logansport, Ind. Filed Apr. 7, 1937. Serial No. 391,027.

SURE FLOW

For Pumps.
Claims use since Oct. 8, 1935.

352,314. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PIONEER MANUFACTURING CO., Boston, Mass. Filed June 8, 1937. Serial No. 393,817.

KURTIN-LESS SHOWER

For Bath Tub Shower Attachments.
Claims use since Jan. 14, 1935.

352,315. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DEAN H. HOLDEN, Cleveland, Ohio. Filed June 17, 1937. Serial No. 394,177.

HOLDEN LINE

For Electric Lighting Fixtures, Electric Lamps, Electric Lamp Reflectors, Electric Switches, and Electric Switch Plates.
Claims use since Aug. 18, 1936.

352,316. (CLASS 39. CLOTHING.) UTILITY DRESS COMPANY, Philadelphia, Pa. Filed July 14, 1937. Serial No. 395,207.

UTILITY

DRESS

For Ladies' and Misses' Cotton, Rayon, and Silk Dresses.
Claims use since Dec. 17, 1921.

352,317. (CLASS 39. CLOTHING.) UTILITY DRESS COMPANY, Philadelphia, Pa. Filed July 14, 1937. Serial No. 395,208.

UTILITY

FROCK

For Ladies' and Misses' Cotton, Rayon, and Silk Dresses.
Claims use since Dec. 17, 1921.

352,318. (CLASS 39. CLOTHING.) UTILITY DRESS COMPANY, Philadelphia, Pa. Filed July 14, 1937. Serial No. 395,209.

UTILITY

GARMENT

For Ladies' and Misses' Cotton, Rayon, and Silk Dresses.
Claims use since Dec. 17, 1921.

352,319. (CLASS 37. PAPER AND STATIONERY.) EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Aug. 11, 1937. Serial No. 396,265.

Snap-stickers

For Adhesive Wafers.
Claims use since May 1, 1936.

352,320. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed Aug. 26, 1937. Serial No. 396,704.

KRAFTLEAF

For Interleaving Paper.
Claims use since Sept. 29, 1936.

352,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOROTHY GRAY SALONS, Bloomfield, N. J. Filed Aug. 28, 1937. Serial No. 396,860.

DOROTHY GRAY

For Perfumes, Eau de Cologne, Face Powder, Dusting Powder, Compact Powder, Lipsticks, Rouge, Finishing Lotion, Cleansing Creams and Lotions, Cold Cream, Foundation Cream, Astringent Cream, Sunburn Cream, Whitening Cream, Suppling Cream, Special Skin Creams, Masque Preparations, Pimple Lotion, Hand Cream and Lotions, Throat Cream, Depilatories, Skin, Circulation and Massage Ointment, Astringents, Oils and Lotions for the Skin and Hair, Emollient and Lubricant Creams for the Skin, Pores, Tissues, and Muscles, Pore Paste, Pore Grains (a Toilet Preparation in Granulated Form Used as a Cleansing Mechanical Stimulant), Mascara, Eye Shadow, Eyebrow Pencils, Eye Wrinkle Paste, Bath Essence, Bath Salts, Preparation Recommended for Use as a Body Rub, Preparations Recommended for the Care and Treatment of the Hair and Scalp, Nail Cream, Nail Polish, Nail Polish Removers, Vanity Cases Containing Powder and/or Rouge, and/or Lipsticks, Toilet Powder Refills, Rouge Refills and Lipstick Refills for Vanities, Lipsticks, and Compacts.
Claims use since 1916.

352,322. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COOK PAINT & VARNISH COMPANY, North Kansas City, Mo. Filed Sept. 17, 1937. Serial No. 397,498.

"Best for Wear and Weather"

For Ready-Mixed Paints.
Claims use since 1928.

TRADE-MARK REGISTRATIONS RENEWED

14,958. ILLUMINATING OIL. Registered November 22, 1887. LOMBARD, AYRES & COMPANY. Re-renewed November 22, 1937, to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

117,551. BEDS AND CRIBS. Registered July 17, 1917. GREENPOINT METALLIC BED COMPANY. Renewed July 17, 1937, to Greenpoint Metallic Bed Co., Inc., Brooklyn, N. Y., a corporation of New York, assignee.

117,689. PREDIGESTED FOOD AND FERMENTED MILK PREPARATION. Registered July 24, 1917. JACOB MELICOW. Renewed July 24, 1937, to Minnie Fields, New York, N. Y., assignee.

118,845. A COMBINED ORDER-SHEET AND ENVELOP. Registered October 9, 1917. AMERICAN LOOSE LEAF MFG. CO. Renewed October 9, 1937, to The Wessel Company, Chicago, Ill., a corporation of Illinois, by change of name.

119,055. WEATHER-STRIPPING. Registered October 23, 1917. W. J. DENNIS & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 23, 1937.

119,056. SQUEEGEE WINDOW-CLEANERS. Registered October 23, 1917. W. J. DENNIS & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 23, 1937.

119,145. SNAP-FASTENERS. Registered October 23, 1917. VULCANITE MANUFACTURING CO., Lindenhurst, N. Y. Renewed October 23, 1937, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut, successor.

119,147. PAPER BAGS AND PAPER BOXES. Registered October 23, 1917. WALTHAM BAG & PAPER COMPANY, Waltham, Mass., a corporation of Massachusetts. Renewed October 23, 1937.

119,148. PAPER BAGS AND PAPER BOXES. Registered October 23, 1917. WALTHAM BAG & PAPER COMPANY, Waltham, Mass., a corporation of Massachusetts. Renewed October 23, 1937.

119,150. CORDAGE CONSTRUCTED FROM GLUED RIBBONS MADE OF COTTON. Registered October 23, 1917. CARL WEINER. Renewed October 23, 1937, to Chicago Printed String Company, Chicago, Ill., a copartnership, assignee.

119,247. SARDINES. Registered November 13, 1917. BAYSIDE FISH CO. Renewed November 13, 1937, to Del Mar Canning Co., Monterey, Calif., a corporation of California, successor.

119,286. CERTAIN NAMED ABRASIVE, DETERGENT, AND POLISHING MATERIALS. Registered November 13, 1917. ERASO MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Renewed November 13, 1937.

119,368. OINTMENTS FOR MEDICINAL USE IN THE TREATMENT OF SKIN DISEASES. Registered November 13, 1917. ABE PLOUGH. Renewed November 13, 1937, to Plough, Inc., Memphis, Tenn., a corporation of Delaware, assignee.

119,528. A SOFT DRINK. Registered November 27, 1917. J. B. GREEN, Houston, Tex. Renewed November 27, 1937.

119,668. COTTON PIECE GOODS. Registered December 11, 1917. CONVERSE & COMPANY. Renewed December 11, 1937, to Fruit of the Loom Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

119,669. COTTON PIECE GOODS. Registered December 11, 1917. CONVERSE & COMPANY. Renewed December 11, 1937, to Fruit of the Loom Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

119,670. COTTON PIECE GOODS. Registered December 11, 1917. CONVERSE & COMPANY. Renewed December 11, 1937, to Fruit of the Loom Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

119,739. HEMOSTATICS FOR LOCAL APPLICATION. Registered December 11, 1917. THE ELI LILLY AND COMPANY. Renewed December 11, 1937, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

120,073. COTTON PIECE GOODS. Registered January 8, 1918. CONVERSE & COMPANY. Renewed January 8, 1938, to Fruit of the Loom Mills, Inc., New York, N. Y., a corporation of New York, by change of name.

120,457. VARNISHES. Registered February 5, 1918. WADSWORTH, HOWLAND & CO., INCORPORATED, Boston, Mass. Renewed February 5, 1938, to Wadsworth, Howland & Company, Inc., Malden, Mass., a corporation of Massachusetts.

120,508. RUBBER VEHICLE-TIRES. Registered February 12, 1918. THE MARATHON TIRE & RUBBER CO., Cuyahoga Falls, Ohio. Renewed February 12, 1938, to Marathon Rubber Company, Inc., Akron, Ohio, a corporation of Ohio, assignee.

120,647. PREPARATIONS FOR USE IN REMOVING CUTICLE AROUND FINGER AND TOE NAILS. Registered February 19, 1918. UNITED DRUG COMPANY, Boston, Mass. Renewed February 19, 1938, to Allcock Manufacturing Co., Ossining, N. Y., a corporation of New York, assignee.

120,845. CEDAR CHESTS. Registered March 12, 1918. J. R. CLARK COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed March 12, 1938.

120,884. CERTAIN NAMED TOILET PREPARATIONS. Registered March 12, 1918. MCCLINTONS LIMITED, Donaghmore, Ireland, a corporation of the Kingdom of Great Britain and Ireland (now of Northern Ireland). Renewed March 12, 1938.

120,886. CERTAIN NAMED FOODS. Registered March 12, 1918. MANTECA CANNING CO., Stockton and Manteca, Calif. Renewed March 12, 1938, to Manteca Canning Co., Manteca, Calif., a corporation of California.

120,887. CERTAIN NAMED FOODS. Registered March 12, 1918. MANTECA CANNING CO., Stockton and Manteca, Calif. Renewed March 12, 1938, to Manteca Canning Company, Manteca, Calif., a corporation of California.

120,921. THERAPEUTIC AGENTS CONSISTING OF SALICYLATES FOR INTERNAL USE. Registered March 12, 1918. HENRY SOLOMON WELLCOME, London, England. Renewed March 12, 1938, to Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

120,945. CERTAIN NAMED CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. Registered March 19, 1918. BUCYRUS COMPANY. Renewed March 19, 1938, to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware, assignee.

120,993. CERTAIN NAMED KNITTED AND WOVEN UNDERWEAR. Registered March 19, 1918. THE NORTHWESTERN KNITTING CO. Renewed March 19, 1938, to Munsingwear, Inc., Minneapolis, Minn., a corporation of Delaware, assignee.

121,047. METALLIC PACKING. Registered April 2, 1918. CRANE PACKING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 2, 1938.

121,172. CERTAIN NAMED ARTICLES MADE WHOLLY OR PARTLY OF OR PLATED WITH PRECIOUS METAL. Registered April 16, 1918. DINHOFER BROS. Renewed April 16, 1938, to Dinhofer Bros. Inc., New York, N. Y., a corporation of New York, successor.

121,215. BELTING AND BELT-LACINGS COMPOSED WHOLLY OR PARTIALLY OF LEATHER, FABRIC, OR RUBBER. Registered April 16, 1918. SHULTZ BELTING COMPANY, St. Louis, Mo. Renewed April 16, 1938, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

121,216. BELTING AND BELT-LACINGS COMPOSED WHOLLY OR PARTIALLY OF LEATHER, FABRIC, OR RUBBER. Registered April 16, 1918. SHULTZ BELTING COMPANY, St. Louis, Mo. Renewed April 16, 1938, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee.

121,229. CERTAIN NAMED FOODS. Registered April 16, 1918. G. H. WETTERAU AND SONS GROCER CO., St. Louis, Mo., a corporation of Missouri. Renewed April 16, 1938.

121,293. FOOD COMPOUNDED OF ALFALFA, GRAIN, AND MOLASSES, FOR HORSES AND OTHER LIVE STOCK. Registered April 23, 1918. DWIGHT E. HAMLIN. Renewed April 23, 1938, to Dwight Hamlin Company, Pittsburgh, Pa., a corporation of Delaware, assignee.

121,305. CERTAIN NAMED CAST-METAL PLUMBING WARE WITH VITREOUS-ENAMEL COATING. Registered April 23, 1918. KOHLER COMPANY, Kohler, Wis., a corporation of Wisconsin. Renewed April 23, 1938.

121,318. RED LEAD. Registered April 23, 1918. NATIONAL LEAD COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 23, 1938.

121,319. LINSEED-OIL. Registered April 23, 1918. NATIONAL LEAD COMPANY, New York, N. Y., a corporation of New Jersey. Renewed April 23, 1938.

121,338. QUENCHING-OIL USED IN THE TREATMENT OF IRON, STEEL, AND OTHER METALS. Registered April 23, 1918. WILLIAM C. ROBINSON & SON COMPANY, Baltimore, Md., a corporation of Maryland. Renewed April 23, 1938.

LABELS

REGISTERED NOVEMBER 23, 1937

50,378.—*Title:* A-PENN WINDOW AND GLASS CLEANER. For a Liquid Window and Glass Cleaner. A-PENN OIL COMPANY, Butler, Pa. Published October 1, 1937.

50,379.—*Title:* MAGIC-POP SOUTH AMERICAN POP CORN. For Pop Corn. AMERICAN POP CORN COMPANY, doing business as National Pop Corn Company, Sioux City, Iowa, and Lima, Ohio. Published September 25, 1937.

50,380.—*Title:* THREE SISTERS 5 PURPOSE SKIN TONIC. For Skin Tonic. CLARK-MILLNER COMPANY, Chicago, Ill. Published July 30, 1937.

50,381.—*Title:* 3–C. For Charcoal. CONSOLIDATED CHARCOAL CO., INC., Brooklyn, N. Y. Published October 4, 1937.

50,382.—*Title:* CRISPY. For Potato Chips. CRISPY FOOD COMPANY, Cedar Rapids, Iowa. Published September 30, 1937.

50,383.—*Title:* LUCERNE. For Chocolates. DAGGETT CHOCOLATE COMPANY, doing business as Marquise Chocolate Company, Cambridge, Mass. Published August 22, 1936.

50,384.—*Title:* VOGUE HAIR FOUNDATION ROLL. For Hair Foundation Rolls. G. H. S. CORPORATION, New York, N. Y. Published April 15, 1937.

50,385.—*Title:* NYS. For a Drink. GEORGE ALFRED HOUSEMAN, Shreveport, La. Published June 15, 1937.

50,386.—*Title:* JOHNSON'S HAY FEVER RELIEF. For an Eye Wash for Hay Fever Relief. JOHNSON'S LABORATORIES, New Orleans, La. Published September 27, 1937.

50,387.—*Title:* JOHNSON'S HAY FEVER RELIEF. For an Ointment for Hay Fever Relief. JOHNSON'S LABORATORIES, New Orleans, La. Published September 27, 1937.

50,388.—*Title:* O G THE PERFECT BEER. For Beer. NEW PHILADELPHIA BREWERY, INC., New Philadelphia, Ohio. Published April 1, 1937.

50,389.—*Title:* PADRE. For Burgundy Wine. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,390.—*Title:* PADRE. For Grape Brandy. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,391.—*Title:* PADRE. For Muscatel Wine. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,392.—*Title:* PADRE. For Port Wine. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,393.—*Title:* PADRE. For Sauterne Wine. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,394.—*Title:* PADRE. For Sherry Wine. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published September 21, 1937.

50,395.—*Title:* RED RIBBON. For Canned Tomatoes. J. & M. STEINER, INC., Milwaukee, Wis. Published October 1, 1937.

50,396.—*Title:* THE LITTLE VILLAGE DRESS SHOP. For Dresses for Dolls. TRANSOGRAM COMPANY, INC., Easton Pa., and New York, N. Y. Published August 4, 1937.

50,397.—*Title:* PENNANT SERIES. For Pencil Tablets. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published October 15, 1937.

50,398.—*Title:* COCILANA COUGH-NIPS. For Cough Candy. WINDT CHEMISTS, INC., New York, N. Y. Published June 10, 1937.

PRINTS

REGISTERED NOVEMBER 23, 1937

16,579.—*Title:* ASK THE GENTLEMAN WHO PAYS. For Rugs and Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published October 15, 1937.

16,580.—*Title:* THERE IS ONLY ONE GENUINE CLAMP NAIL. For Clamp Nails. CLAMP NAIL COMPANY, Chicago, Ill. Published September 22, 1937.

16,581.—*Title:* WHY LARRO FEEDS ARE UNIFORM. For Animal and Poultry Feeds. GENERAL MILLS, INC., Minneapolis, Minn. Published September 22, 1937.

16,582.—*Title:* TAPER SNAP COAT DRESS. For Coat Dresses. S. L. HOFFMAN & CO., INC., New York, N. Y. Published September 30, 1937.

16,583.—*Title:* TAPER-SNAP COAT DRESS. For Coat Dresses. S. L. HOFFMAN & CO., INC., New York, N. Y. Published October 4, 1937.

16,584.—*Title:* 3 EXTRA INGREDIENTS. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published June 28, 1937.

16,585.—*Title:* AMERICA IS ON THE MOVE. For Bread. THE WILLIAM A. SCHAUTZ ADVERTISING AGENCY, Scranton, Pa. Published October 12, 1937.

16,586.—*Title:* THE SPORT OF KINGS. For an Indoor Game. GEORGE S. SIMPSON CO., Columbus, Ohio. Published October 6, 1937.

16,587.—*Title:* MACE 'AUTO-B-MY' SERVICE. For Automotive Equipment. TERRE HAUTE TIRE CO., INC., Terre Haute, Ind. Published April 13, 1937.

PLANT PATENTS

GRANTED NOVEMBER 23, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

264
ROSE
Jean H. Nicolas, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y.
Application March 24, 1937, Serial No. 132,865
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by its strong constitution, hardiness in a larger territory than the normal Hybrid Tea, dark holly foliage on long stems, continuity and profuseness of bloom, and the nasturtium color of the blooms with opalescent variations, substantially as shown and described.

PATENTS

GRANTED NOVEMBER 23, 1937

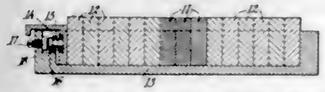
2,099,670

STOOL TO BE USED IN THE CASTING OF METAL

Charles H. Aldrich, Elizabeth, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application October 22, 1935, Serial No. 46,096

8 Claims. (Cl. 22—139)



2. A composite stool for an open bottomed ingot mold having an area of direct impingement formed from a plurality of relatively narrow bars of cast iron which is adapted to resist the corrosive action of a stream of poured molten metal, and an area of non-impingement adjoining the area of direct impingement, the area of non-impingement comprising a plurality of relatively narrow copper bars disposed in side by side relation and adapted to distribute the heat of the cast ingot rapidly and evenly throughout the entire stool.

2,099,671

ANTENNA SYSTEM

George B. Bairey, Wolf Point, Mont., assignor, by mesne assignments, to Collins Radio Company, a corporation of Iowa

Application September 20, 1935, Serial No. 41,474

18 Claims. (Cl. 250—33)



1. An antenna system comprising a direct radiator consisting of a plurality of aligned pipe members connected one to the other and maintained in a vertically erect position, light directing means carried by the aligned pipe members, and a source of light disposed beneath said aligned pipe members for projecting light rays upon said light directing means and effecting substantially uniform distribution of spectral rays about said direct radiator.

2,099,672

ANTHRAQUINONYL THIAZOLES

Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 7, 1934, Serial No. 729,441

8 Claims. (Cl. 260—44)

1. The process of making thiazoles which comprises condensing a 1-nitro-anthraquinone-6-carbonyl halide with a carbon compound containing a benzene nucleus having amino and mercapto groups in adjacent positions thereon.

2,099,673

1-ACYL-AMINO-ANTHRAQUINONE-6-THIAZOLES

Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 20, 1935, Serial No. 11,964

7 Claims. (Cl. 260—44)

1. The process which comprises condensing 1-nitro-anthraquinone-6-carbonyl halide with a carbon compound containing amino- and mercapto-substituents on adjacent carbon atoms to produce a thiazole, converting the resultant to the corresponding 1-amino-anthraquinone-6-thiazole compound by treatment with an agent capable of reducing a nitro substituent to an amino substituent and condensing the last mentioned compound with a carbonyl halide.

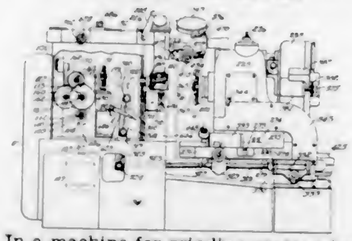
2,099,674

MACHINE FOR GRINDING GEARS

Edward W. Bullock, Clarence T. Galloway, Leonard O. Carlsen, and Robert S. Condon, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application November 6, 1934, Serial No. 751,738

35 Claims. (Cl. 51—52)



1. In a machine for grinding gears, a tool support, a grinding-wheel journaled therein, a work support, separate cams for producing relative feed movements between the wheel and work support during rough-grinding and during finish-grinding, respectively, and means for bringing said cams selectively into operative position.

2,099,675

GEARING FOR DRIVING SUPERCHARGERS ON AIRCRAFT ENGINES

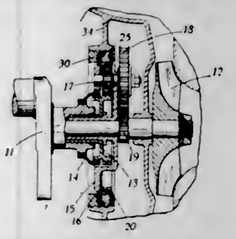
Gerard Mervyn Cutler, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England

Application November 2, 1936, Serial No. 108,868

In Great Britain October 16, 1936

5 Claims. (Cl. 74—273)

1. A two-speed gearing, in the drive to the supercharger of an aircraft internal-combustion engine, comprising a driving sun gear, a driven sun gear, a planet-carrier, a compound two-pinion planet, the smaller of the pinions of said compound planet being in mesh with said driving gear, the larger of the pinions of said compound planet being in mesh with said driven gear, an internally-toothed reaction gear in mesh with the smaller of said pinions, controllable braking means for holding said planet-carrier stationary,



and controllable braking means for holding said reaction gear stationary, each of said braking means having a member with a screw-threaded connection with a stationary part to exert the braking action on rotation of the member.

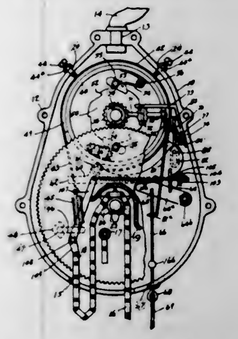
2,099,676

FREE-CHAIN HOIST

Fredrick W. Coffing, Danville, Ill.

Application November 30, 1934, Serial No. 755,259

15 Claims. (Cl. 254—171)



1. In a hoist having an enclosing housing, a single clutch and brake control member, the combination of a stop rigid with said member, said enclosing housing having an aperture therein to permit longitudinal movement of the member and an enlargement to permit passage of the stop into and out of housing, said stop upon engaging the interior wall of the housing limiting manually operable movement of the member toward clutch control position and to brake release and upon further movement of the stop through the enlargement securing clutch release, the exterior wall of said housing adjacent the enlargement and surrounding the aperture maintaining through stop engagement, said member in clutch and brake released position.

2,099,677

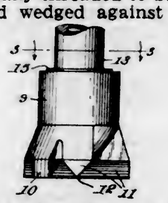
ROCK OR EARTH DRILL BIT

John P. Cunningham, Kingman, Ariz.

Application March 19, 1936, Serial No. 69,661

1 Claim. (Cl. 255—64)

A drill comprising a body having a tapered socket to receive a screw threaded end of a drill bar and a tapered split bushing located in said socket and internally threaded to be threaded on the drill bar and wedged against the tapering



walls of the socket when the drill bar comes to rest on the bottom wall of said socket.

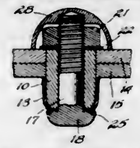
2,099,678

RIVET

Eugene W. Curtis, Chicago, Ill.

Application June 29, 1936, Serial No. 87,822

10 Claims. (Cl. 138—98)



1. A composite rivet assembly for use in patching the walls of boilers and like structures, comprising a hard metal sleeve adapted to pass through a rivet hole in the wall and project beyond the inner face of the wall, said sleeve being tapered at its inner end, a longitudinally movable element or bolt extending through the sleeve and having a head beyond the tapered inner end of said sleeve, and an expansible metal collar of slightly greater length than the projecting portion of the sleeve, interposed between the head of the longitudinally movable element and tapered end of the sleeve to form a seal between said head and the wall to which the rivet is applied when the expansible element is compressed over the projecting portion of the sleeve by longitudinal movement of the bolt in securing the rivet in place.

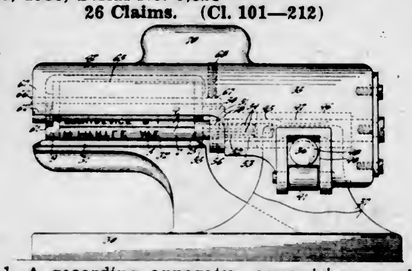
2,099,679

IDENTIFICATION AND RECORDING DEVICES

Elmer W. Davis, Newton Center, Mass., and Arthur H. Maynard, Warwick, R. I., assignors to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine

Original application October 10, 1931, Serial No. 568,048. Divided and this application March 6, 1935, Serial No. 9,628

26 Claims. (Cl. 101—212)



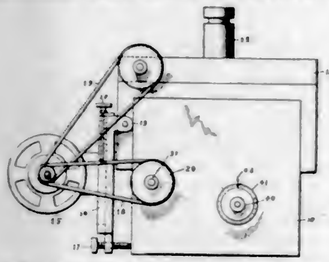
1. A recording apparatus comprising a relatively small printing roller having indicia characters on its periphery, means for rotating the roller across the article to be printed, and interengaging means on the roller and rotating means self-acting to lock the parts together as one is moved axially into engagement with the other.

2,099,680
INSULATED RAIL JOINT
Clarkson A. Disbrow, New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware
Application September 10, 1935, Serial No. 39,975
7 Claims. (Cl. 238—155)



1. A rail joint comprising the rails, the splice bar, and a pair of superimposed sheets of insulation between the splice bar and the rails, one of said sheets extending at least from the middle of the joint to one end thereof and between the middle and said end of the joint being recessed, and the other sheet extending at least from the middle of the joint to said end thereof and across the recessed portion of the first mentioned sheet.

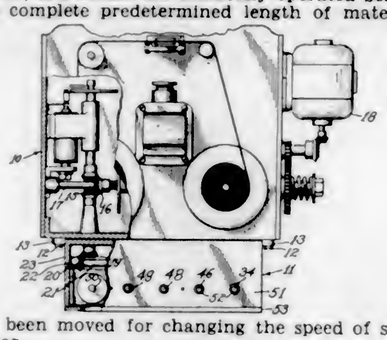
2,099,681
CAMERA INDEXING MECHANISM
Rupert H. Draeger, United States Navy
Application May 9, 1935, Serial No. 20,613
7 Claims. (Cl. 95—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Film advancing means for a camera film, indexing mechanism comprising a film carrying wheel, a shaft on which said wheel is mounted and means for cyclically rotating said shaft a predeterminable amount, said means including a pair of clutch members, one of said clutch members being keyed to said shaft and the other of said clutch members being adapted to clutch said first clutch member in a film advancing direction only, and means for reciprocating said second mentioned clutch member, said reciprocating means including a pin projecting from said said second mentioned clutch member, a power rotary member, a slotted connecting member pivotally pinned to said power rotary member, the pin on said second mentioned clutch member extending through the slot of said slotted connecting member.

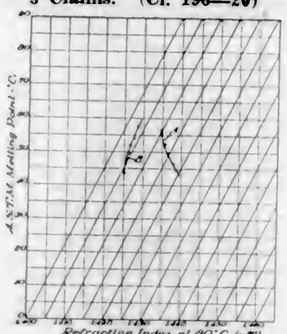
2,099,682
PAGE FINDER
Rupert H. Draeger, United States Navy
Application February 24, 1937, Serial No. 127,504
22 Claims. (Cl. 40—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a device for locating a desired portion of flexible material, a motor for moving said material, means for operating said motor at varying speeds, variably operable means for predetermining the length of material to be moved by said motor, and means automatically operated before the complete predetermined length of material



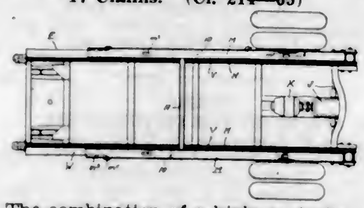
has been moved for changing the speed of said motor.

2,099,683
TREATMENT OF WAX MIXTURES
Seymour W. Ferris, Aldan, Willard F. Houghton, Swarthmore, and Henry C. Cowles, Jr., Philadelphia, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1935, Serial No. 37,168
3 Claims. (Cl. 196—20)



1. In a process for treating a hydrocarbon oil-wax mixture, the steps which comprise segregating from said mixture, a fraction containing the higher melting wax components thereof substantially free of oil and a fraction containing the lower melting wax components thereof substantially free of oil and subjecting at least one of said fractions to sweating.

2,099,684
MECHANISM FOR HANDLING FREIGHT CONTAINERS
Benjamin F. Fitch, Greenwich, Conn.
Application January 22, 1936, Serial No. 60,248
17 Claims. (Cl. 214—65)



1. The combination of a highway trailer, having a pair of parallel propelling chains mounted

on its chassis, motor mechanism and gearing for operating said chains, a pair of individual load supporting members carried by the trailer chassis on the outer sides of the chains respectively, and power actuated means for tilting said members to tilt a body resting thereon.

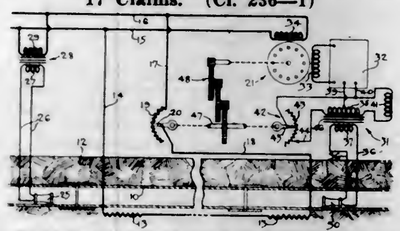
2,099,685
AROMATIC OXYKETONE ARSENICALS AND A PROCESS OF MAKING THEM
Cliff S. Hamilton, Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 11, 1932, Serial No. 604,658
11 Claims. (Cl. 260—14)

1. A compound comprising a benzene ring group joined to an arsenic group of the class including arsonic acids and their soluble salts, arseno compounds, arsenoxides, thio-arsenites and the water-soluble alkali metal salts thereof and joined in para position to a ketonic group through an ether linkage.

2,099,686
ORGANIC ARSENIC COMPOUNDS
Cliff S. Hamilton, Lincoln, Nebr., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 19, 1933, Serial No. 681,226
19 Claims. (Cl. 260—14)

1. Organic arsenic compounds in which the arsenic is attached to the aryl nucleus of an aryloxy alkanol group.

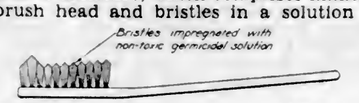
2,099,687
TEMPERATURE CONTROL APPARATUS
Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 4, 1936, Serial No. 109,121
17 Claims. (Cl. 236—1)



1. In a temperature control system, temperature varying means, means for producing a sound impulse, and means operative to control said temperature varying means in accordance with the time required for said sound impulse to travel a predetermined distance over a path affected by the temperature of a controlling medium.

2,099,688
TOOTH BRUSH AND PROCESS OF MAKING THE SAME
Warren E. Hill, Northampton, and Clifford L. McArthur, Cambridge, Mass., assignors to Prophy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
Application April 7, 1933, Serial No. 664,894
7 Claims. (Cl. 300—21)

1. The hereindescribed process of making an antiseptic brush having bristles which are impervious to moisture, which comprises immersing the brush head and bristles in a solution con-



taining phenyl mercuric nitrate, paraffin wax and toluol.

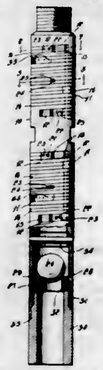
2,099,689
WATER-INSOLUBLE METAL SALTS OF PHTHALOCYANINE-SULPHONIC ACIDS
Karl Holzach and Georg Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 18, 1936, Serial No. 75,234. In Germany April 20, 1935
7 Claims. (Cl. 260—11)

1. A water-insoluble metal salt of a phthalocyanine sulphonic acid.

2,099,690
WATER-INSOLUBLE SALTS OF PHTHALOCYANINE-SULPHONIC ACIDS
Karl Holzach and Georg Niemann, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Original application April 18, 1936, Serial No. 75,234. Divided and this application November 20, 1936, Serial No. 111,852. In Germany April 20, 1935
3 Claims. (Cl. 134—58.5)

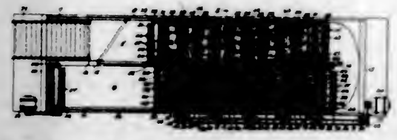
1. A color lake composition comprising a substratum and a water-insoluble metal salt of a phthalocyanine sulphonic acid.

2,099,691
SPIRAL PACKED WORKING BARREL VALVE BODY
William H. Hunter, Webb City, Mo.
Application September 3, 1936, Serial No. 99,297
8 Claims. (Cl. 103—225)



1. A valve body provided with a valve which retains fluid in said body to thereby create hydrostatic pressure, said body having a substantially spiral groove, a strip of packing disposed in said groove, said valve body having openings leading to said groove through which said pressure acts to expand said packing, and means midway of the terminals of the packing so that the packing will move substantially equally on opposite sides of such means.

2,099,692
WASHING APPARATUS
Theodore Krumm, Redlands, Calif., assignor to Paul A. Weilein, Los Angeles, Calif.
Application January 9, 1934, Serial No. 705,872
9 Claims. (Cl. 146—202)



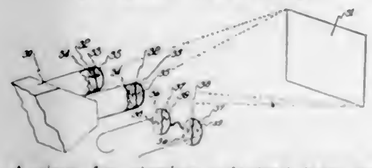
1. An apparatus for washing buoyant articles, comprising in combination, two communicating troughs arranged side by side for containing liquid, two sets of revoluble cleaning elements respectively supported transversely of each of said troughs and extending thereinto, means interconnecting the adjacent ends of said two sets of elements for effecting their rotation in opposite directions, common power means for rotating said elements, and spaced rows of movably anchored brushes arranged within said troughs transversely thereof, said brushes having curved article engaging surfaces which define scrubbing troughs between adjacent brushes whereby said articles are adapted to move through the liquid and successively enter said rows of troughs as they move under the revoluble cleaning elements.

2,099,693
GRIDIRON
Jacques Paul Louis Laffitte, Paris, France
Application January 25, 1936, Serial No. 60,855
In France January 25, 1935
4 Claims. (Cl. 53—5)



1. A grill for the preparation of grilled foods including a plate provided with channels for the collection of juices and greases and with openings for the heated grilling air or gases, said openings being arranged at approximately right angles to the plane of said plate and spaced from the upper surface of the plate, while being directed approximately parallel to the channels whereby the hot gases are prevented from coming into contact with the greases or the like that are expelled from the grilled substance when being grilled.

2,099,694
POLARIZING OPTICAL SYSTEM
Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey
Application March 6, 1934, Serial No. 714,239
13 Claims. (Cl. 88—16.6)

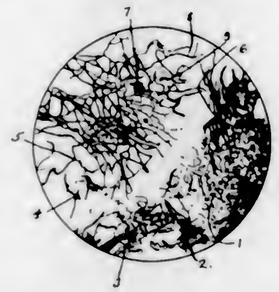


1. A visor for viewing polarized light having electric intensity components predeterminedly out of phase, comprising a sheet-like element adapted for polarizing light by absorption and means affixed thereto and cooperating therewith to render said visor substantially opaque to said light, and yet substantially transparent to polarized light having similar electric intensity components oppositely out of phase.

2,099,695
MEANS AND COMPOSITIONS FOR THE STABILIZATION OF DIVINYL ETHER
Randolph T. Major, Plainfield, and William L. Ruigh, Metuchen, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application June 21, 1933, Serial No. 676,926. Divided and this application April 3, 1935, Serial No. 14,438
8 Claims. (Cl. 23—250)

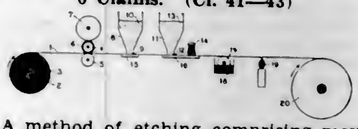
1. Divinyl ether stabilized with a poly-phenol of the group consisting of hydroquinone, pyrogallol, p-N-isopropylamino-phenol, p-aminophenol, and p-N-methylaminophenol.

2,099,696
TREATMENT OF PSORIASIS
Mary A. Marcus, New York, N. Y.
Application October 10, 1934, Serial No. 747,662
12 Claims. (Cl. 167—78)



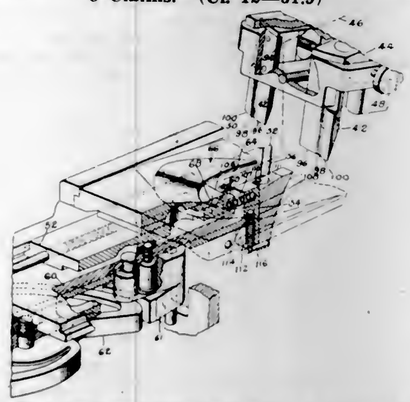
1. In preparing a polyvalent vaccine for the treatment of psoriasis the steps which consist in treating papules of said disease with a sterilizing medium, securing from said papules a filamentous micro-organism herein referred to as *Actinomyces psoriaticum*, said micro-organism being capable of reproducing in culture media having a pH of 6.4 at temperatures between 20 and 40° C. and forming round dark green colonies measuring from 3 to 5 microns in diameter, said colonies increasing in size and acquiring a white powdery surface when fructification occurs, said micro-organisms having ellipsoidal spores measuring from .5 to 1.3 microns in diameter, said micro-organisms also containing bodies having close sinistral spirals of 2–4 turns and corkscrew-shaped bodies having 2–4 loops and 1–3 knobs when 1% phosphate is added to the medium containing said micro-organism, propagating said micro-organism in a culture medium, preparing sub-cultures therefrom, separating the spore-free filamentous germinating form of the said micro-organism from the subculture medium, intermixing said spore-free filamentous germinating form of the said micro-organism with other strains of the same form of said micro-organism from other sources, suspending these mixed strains in a liquid vehicle, homogenizing the suspension, and sterilizing the said suspension.

2,099,697
METHOD OF AND MEANS FOR ETCHING METALS
Donald Aubrey Marshall, Toronto, Ontario, Canada, assignor, by mesne assignments, to Etched Products Inc., Detroit, Mich., a corporation of Michigan
Application March 13, 1935, Serial No. 10,925
6 Claims. (Cl. 41—43)



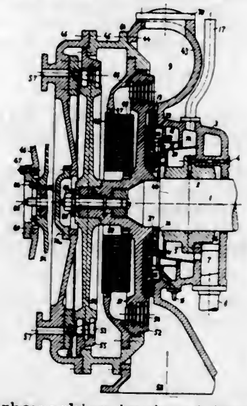
6. A method of etching comprising moving a continuous metal strip in a longitudinal direction, applying an ink design to one surface of the strip, applying asphaltum powder to the inked surface, applying talc powder to said surface, removing excess powder from said surface, applying an asphaltum varnish coating to the reverse surface of the strip, heating said strip to convert the asphaltum powder into an acid resist, all of said steps being performed during the movement of said strip, winding the strip into a helix with the inked surface exposed outermost, and subjecting said helix to an etching treatment.

2,099,698
HEEL-SEAT FITTING MACHINE
Ralph S. Megathlin, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 15, 1935, Serial No. 36,345
8 Claims. (Cl. 12—31.5)



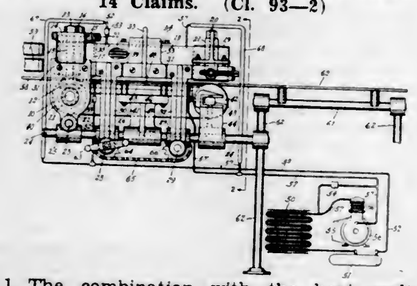
1. In a heel-seat fitting machine, a support for the sole of a shoe, and chisel-shaped blades movable in paths disposed at substantial angles to the general plane of the sole and constructed and arranged to form heel-breast receiving shoulders upon the sole, each of said blades comprising an elongated curved inner cutting edge extending transversely of the sole and shaped to form an inner shoulder portion which is substantially complemental to an opposing area of the breast of a heel to be attached to the shoe, each of said blades also comprising a short outer cutting edge which is reversely curved thicknesswise of the blade and extends rearwardly of the sole and toward the corresponding edge of the sole from the outer end of the inner cutting edge and is shaped to form an outer shoulder portion which is constructed and arranged to be forced forwardly by the heel so that the heel engages the inner portion of the shoulder.

2,099,699
TURBINE
Ulrich Meininghaus, Mulheim-Ruhr, Germany
Application March 16, 1933, Serial No. 661,119
In Germany March 30, 1932
16 Claims. (Cl. 253—79)



1. In a turbomachine impinged by a working medium, in combination, a main shaft, bearing bushes adapted to be inserted into and withdrawn from the machine by axial movement along said main shaft thereof, a housing sealed against the working medium and enclosing said bearing bushes, an adjacent casing sealed against the bearing oil, said casing being filled with the working medium during the operation of the machine, a flange arranged between said housing and said casing to be closed by a packing device and through which flange said bearing bushes are moved during insertion into or removal from the machine, and cooperating discs disposed within said casing and carrying blades or fins impinged by the working medium and normally blocking the movement of said bearing bushes through said flange, said discs being removable from the main shaft by axial movement to afford access to said bearing bushes and to enable said bearing bushes to be moved through said flange after the removal of said discs.

2,099,700
COOLING DEVICE FOR HOT SEALS
Elmer F. Mertis, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application March 1, 1934, Serial No. 713,562
14 Claims. (Cl. 93—2)



1. The combination with the heat sealing mechanism of a package wrapping machine, of a refrigerated cooling chamber for chilling, heated seals of the packages, and thermostatically

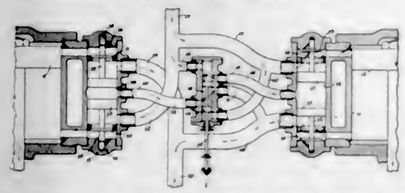
controlled means for circulating refrigerant through and maintaining said chamber at a substantially uniform temperature, said means including valves operating to stop the flow of refrigerant to said chamber whenever it falls below a predetermined temperature; said means including a device for stopping the further delivery of refrigerant to said chamber whenever it falls below a predetermined temperature.

2,099,701

STEAM ACTUATED POPPET VALVE GEAR FOR RECIPROCATING PUMPING ENGINES

Milton M. Metcalf, Vallejo, Calif.

Application July 23, 1936, Serial No. 92,134
13 Claims. (Cl. 121—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



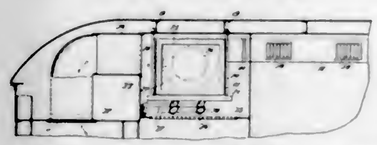
1. A steam actuated poppet valve gear for a steam engine and a pilot valve controlled by the steam engine; said poppet valve gear including a poppet valve gear steam chest, conduits joining the pilot valve gear steam chest to the poppet valve steam chest and to the steam engine, said poppet valve gear having two poppet valve cylinders therein, each cylinder having a steam poppet valve at one end and an exhaust poppet valve at the other end.

2,099,702

AIR CONDITIONING SYSTEM FOR CARS

Frank L. Murphy, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application February 19, 1934, Serial No. 711,858
1 Claim. (Cl. 98—4)



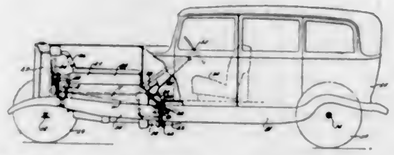
In a passenger car having an interior passenger space and a roof therefor, a false ceiling for the upper part of said space at each end portion of the car forming a pair of chambers, an air conditioning device in each of said chambers, both devices being capable of continuous, simultaneous operation, each device comprising a cooler and blower removably supported as a unit from the roof by securing means accessible from below the unit and each unit being of relatively small size, having a capacity less than the normal requirements of the car, the capacity of both units taken together being sufficient for said normal requirements, each false ceiling being apertured for admitting to the adjacent chamber air from the passenger space and being removable to permit insertion and removal of the unit in said chamber by manipulation of said securing means, a duct extending from each device toward the other having openings for discharging conditioned air into the passenger space, and ducts communicating with the chambers and with the exterior of the passenger space for supplying fresh air to said chambers.

2,099,703

MOTOR VEHICLE

Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application December 5, 1932, Serial No. 645,711
11 Claims. (Cl. 248—7)



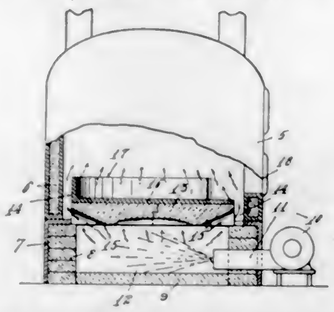
1. In a motor vehicle, the combination of a supporting frame, an engine unit including a gear shift lever pivoted thereon, and yielding supporting means acting between the forward and rearward ends of said unit and the frame, said yielding supporting means being so constructed and arranged that the rocking action of the engine due to torque reaction will be about an axis substantially through the pivot of said lever.

2,099,704

FURNACE

George Pirich, Minneapolis, Minn.

Application October 23, 1936, Serial No. 107,165
3 Claims. (Cl. 110—97)



1. In a furnace, a heat transfer chamber surrounded by heat transfer walls, a combustion chamber below the heat transfer chamber and having surrounding refractory walls, said combustion chamber being of less internal area than that of the heat transfer chamber and providing a marginal ledge adjacent the lower edge of the heat transfer walls, and a horizontally disposed plate-like refractory baffle member of slightly greater area than that of the combustion chamber and seated adjacent its outer edge upon said ledge to completely cover said combustion chamber, said baffle member being of materially less area than the space between the walls of the heat transfer chamber surrounding the margin of said baffle in spaced relation thereto, and said baffle having on its underside a marginal series of outwardly extending and upwardly flaring combustion channels leading from

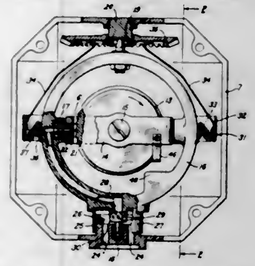
the combustion chamber over said ledge and into the surrounding space thereabove defined by the outer edge of the baffle and walls of the heat transfer chamber.

2,099,705

DIRECTIONAL GYROSCOPIC INDICATOR

Wladimir A. Reichel, Philadelphia, Pa., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 5, 1934, Serial No. 724,183
4 Claims. (Cl. 33—204)



1. In a gyroscopic indicator, a neutrally-mounted azimuth direction-keeping gyroscope, an annular indicating card mounted on and controlled by said gyroscope, and means for adjusting said card independently of said gyroscope to set a predetermined course.

2,099,706

CONTROL DEVICE

William H. Richards, Dayton, Ohio

Application November 9, 1935, Serial No. 49,051
6 Claims. (Cl. 121—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a control system comprising, a member to be oscillated, a bi-chambered servo motor having a portion of its housing formed for rotatable connection to said member for fluid actuation thereof, an idling member journaled to said rotatable housing, and a control wheel directly connected to said idling member for manual actuation thereof, means selectively fixing the idling member to the servo housing and further means operatively connected to said first mentioned means to permit free fluid flow between the bi-chambers of said servo motor during manual actuation of said oscillated member.

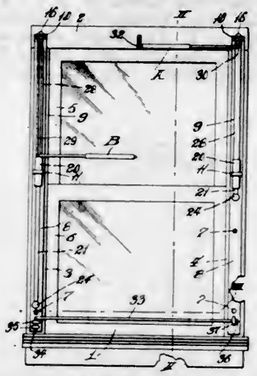
2,099,707

ADJUSTABLE WINDOW CURTAIN FIXTURE

Albert C. Seibel, East St. Louis, Ill.

Application May 24, 1935, Serial No. 23,233
11 Claims. (Cl. 156—22)

1. A curtain fixture comprising a vertically sustained support having a longitudinally slotted sleeve turnably mounted thereon, and a vertically adjustable curtain rail having a part which passes along within the slot of said sleeve in raising or lowering the rail.



2,099,708

THERAPEUTIC PRODUCT AND METHOD OF MAKING SAME

Elwood A. Sharp, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application March 29, 1933, Serial No. 663,426
10 Claims. (Cl. 167—74)

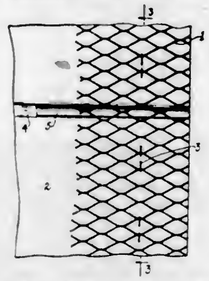
1. A product derived from animal tissue of the class consisting of the stomach and duodenum, which product is effective in combating anemia, contains a thermolabile, water-soluble, active principle, has not less than approximately four times the anti-anemia potency of desiccated defatted hog stomach, is free from large amounts of said animal tissue and when in solid form is soluble in water and has a weight less than 5% of the original animal tissue from which it is derived.

2,099,709

PLASTER BASE

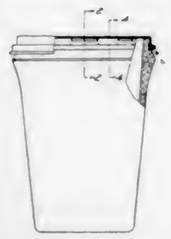
Arthur V. Spinosa, Parkersburg, W. Va., assignor to Penn Metal Company, Inc., a corporation of Delaware

Application May 5, 1934, Serial No. 724,008
7 Claims. (Cl. 72—116)



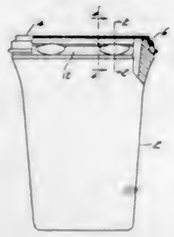
4. A plaster base comprising a sheet of metal lath, a stiff but springy paper backing having a groove therein, a reinforcing rib adapted to be received in said groove, means on the rib engaging and holding the backing, and other means for securing the backing to the lath.

2,099,710
HERMETICALLY SEALED PACKAGE
Harry E. Townsend, Brooklyn, N. Y.; Title Guarantee and Trust Company executor of estate of said Harry E. Townsend, deceased
Application October 20, 1932, Serial No. 638,741
4 Claims. (Cl. 215—38)



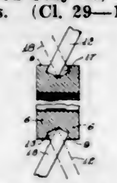
4. In a package of the class described, a receptacle having a mouth, outwardly extending projections spaced apart around and below the mouth, a closure for the receptacle having a top, a resilient and flexible crown depending from the top and encompassing the mouth of the receptacle having a smooth inner face of slightly less perimeter than the perimeter of the mouth at the projections, a horizontal flange extending outward from the lower edge of the crown, and a rounded corner between the crown and the flange whereby as the closure is seated on the receptacle the crown is locally sprung outward at and by the projections, the closure being held in yieldable, frictional engagement with the projections by the greater rigidity of the horizontal flange.

2,099,711
HERMETICALLY SEALED PACKAGE
Harry E. Townsend, Brooklyn, N. Y.; Title Guarantee and Trust Company executor of the estate of said Harry E. Townsend, deceased
Application February 18, 1933, Serial No. 657,388
10 Claims. (Cl. 215—38)



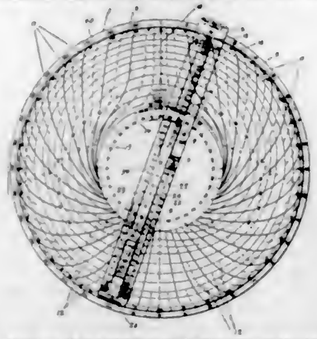
1. In a package comprising a receptacle of the type having a mouth portion, an annular shoulder adjacent the lower end of said mouth portion, an elastic gasket positioned on the annular shoulder, and a closure having a crown portion slightly larger than said mouth portion and having a resilient skirt adapted to compress the gasket on the annular shoulder, said closure being applied by forcing it downwardly over the mouth of the receptacle, the improvement which comprises a plurality of projections formed on the receptacle below said annular shoulder, said skirt extending downwardly over and frictionally engaging said projections under tension.

2,099,712
METHOD OF MAKING PISTON RINGS
Frederick W. Wilkening, Narberth, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application January 12, 1933, Serial No. 651,328
Renewed July 15, 1936
4 Claims. (Cl. 29—156.63)



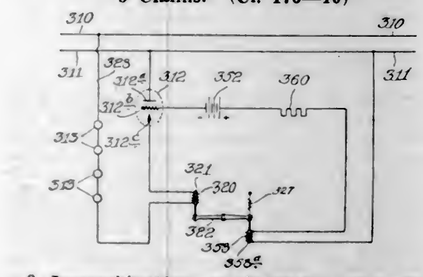
1. The method of making piston rings which consists first facing the rings on two sides to form plane parallel side walls, then clamping the ring on its two plane parallel side walls, in turning into the outer periphery of the piston ring a pair of parallel-side-walled and overlapping annular grooves at oppositely inclined angles with respect to a plane intersecting the axis of the ring at a right angle and centrally of said parallel side walls, until the inner walls of each of said pair of grooves are adjacent to each other and each abut said plane, thereby to provide a single groove having outwardly converging side walls, drilling a series of generally round and radially disposed passageways through the piston ring, in a direction generally parallel to the aforementioned plane and symmetrically with respect thereto, with the outer ends of said passageways terminating in the channel thus formed, splitting the ring at one point so as to break the continuity thereof, and tensioning the ring by first expanding the ring to a suitable extent and then heating the ring while in the expanded condition, to set it in said condition.

2,099,713
DEVICE FOR SOLVING RELATIVE MOVEMENT PROBLEMS
Russell Willson, United States Navy
Application February 3, 1937, Serial No. 123,871
40 Claims. (Cl. 33—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



29. A device for solving relative movement problems, comprising in combination a member provided with a line, a first family and a second family of curves, the direction of the said line representing the course of a moving object relatively to which a second object is to move and the families of curves representing respectively course angles of the second object with respect to the first and loci of ratios of the speed of relative movement of the second object to the actual speed of the first object, each of said curves of the first family of curves and each of said curves of the second family of curves being constructed for various ratios of the actual speed of the second object to that of the first and respectively for a predetermined course angle and ratio of the speed of relative movement of the second object to the actual speed of the first object by a system of polar coordinates, the radial ordinate of which represents the ratio of the actual speed of the second object to the actual speed of the first object and the angular ordinate the direction of relative movement of the second object, a second member movably associated with said first mentioned member for cooperation with the two families of curves and provided with a series of markings which represent various ratios of the actual speed of the second object to that of the first, the said markings being placed on said second mentioned member with a scale equal to that used in determining the length of the radial ordinate of the system of polar coordinates.

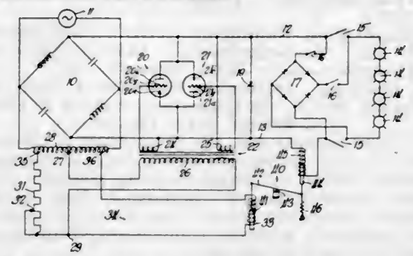
2,099,714
CURRENT CONTROLLING APPARATUS
Hugh E. Young, Chicago, Ill.
Application March 1, 1933, Serial No. 659,180
3 Claims. (Cl. 176—10)



3. In combination, an alternating current supply line, a normally closed direct current work circuit of variable resistance comprising a plurality of series connected incandescent lamps and a grid controlled tube conductively connected in series, said tube having a grid and a plate and being rendered conductive by excitation of its grid to conduct current during half cycles of the same polarity whereby the load circuit is traversed by direct current only, a grid excitation circuit, means energized from said supply line for applying grid potential to said excitation circuit synchronously with the application of alternating potential of one polarity to said plate, a solenoid connected in series in said work circuit having a core movable by current flow through said solenoid, spring means controlling the position of said core to counterbalance the pull thereupon for various positions thereof, and means comprising a variable inductance having a movable core mechanically connected to the core of said solenoid for shifting the phase of grid excitation substantially instantaneously to keep the effective current flow in the work circuit substantially constant throughout all variations in resistance of the work circuit to which it is subjected.

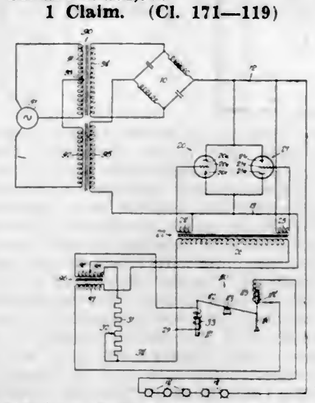
2,099,715
CONSTANT CURRENT SYSTEM
Hugh E. Young, Chicago, Ill.
Application May 12, 1936, Serial No. 79,329
20 Claims. (Cl. 175—363)

1. In combination, an alternating current supply circuit, a substantially constant current load circuit, a monocyclic square connecting said supply circuit with said load circuit, means for regulating the current in the load circuit by a variable by-pass directly in shunt across the constant current side of the monocyclic square comprising electric valve means, and means responsive to the current flow in said load circuit for controlling said electric valve means.



5. In combination, an alternating current supply circuit, a substantially constant current load circuit, a monocyclic square connecting said supply circuit with said load circuit, current regulating means for controlling the current of said supply circuit comprising a plurality of grid controlled arc rectifying tubes connected between the load terminals of said monocyclic square, a phase shifting network coacting with the grids of said tubes for controlling the conduction period of each tube, and means responsive to the current of said load circuit for controlling said phase shifting network.

2,099,716
CONSTANT CURRENT SYSTEM
Hugh E. Young, Chicago, Ill.
Original application May 12, 1936, Serial No. 79,329. Divided and this application April 5, 1937, Serial No. 134,970
1 Claim. (Cl. 171—119)



A constant current system comprising, in combination, transformer means having primary windings Scott connected to a three phase source of alternating current and two secondary windings, a monocyclic square connected for energization across one of said secondary windings, circuit means for connecting a load circuit requiring substantially constant current across said monocyclic square through the other secondary winding, variable conducting means directly connected across said load circuit, and regulating means disposed to be responsive to the current flow in said load circuit for controlling the conductivity

of said variable conducting means to maintain the load current substantially constant on variation of the voltage or frequency of said alternating current source.

2,099,717

PROCESS FOR THE PRODUCTION OF WATER-SOLUBLE CONDENSATION PRODUCTS

Richard Alles, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 5, 1935, Serial No. 48,336. In Germany November 9, 1934

16 Claims. (Cl. 149—5)

1. The process for the production of water-soluble condensation products suitable as tanning agents which comprises treating cellulose sulphite waste liquor with a phenolic body of the benzene series, an organic sulphonic acid and a low molecular aliphatic compound containing at least one carbonyl group.

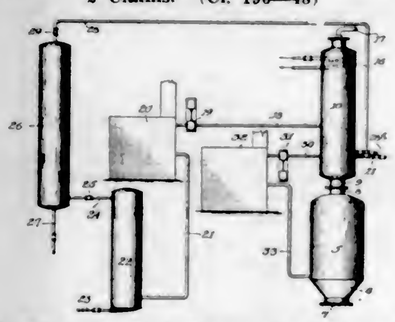
2,099,718

DECOMPOSING HYDROCARBON OILS

William H. Bahlke, Robert F. Ruthruff, and Frederick W. Sullivan, Jr., Hammond, Ind., assignors to Standard Oil Company, Whiting, Ind., a corporation of Indiana

Application April 29, 1931, Serial No. 533,776

2 Claims. (Cl. 196—48)



1. The method of decomposing hydrocarbon oils to form low boiling products therefrom which comprises maintaining residual oil products in a decomposing zone at a temperature to effect decomposition thereof into coke substantially free from liquid products, removing vapors therefrom and contacting said vapors in a dephlegmating zone with fresh oil containing residual products, thereby vaporizing a portion of said fresh oil and heating the unvaporized residual constituents thereof, combining the vaporized portion with said vapors outside of said decomposing zone, discharging said unvaporized residual constituents into said decomposing zone to be coked therein, subjecting the combined vapors from said zone and from the fresh oil to fractionation in a fractionation zone to form therefrom a plurality of condensate fractions of intermediate boiling point range free from said unvaporized residual constituents, leaving a low boiling point fraction uncondensed, heating a lighter condensate thus separated to vaporizing and cracking temperature under pressure to effect conversion thereof, directing the resultant products of conversion into a separating zone, separate and apart from said decomposing, dephlegmating and fractionating zones, in which separating zone said products of conversion are separated into vapors and residue, commingling the separated vapors with the combined vapors removed from the decomposing zone and from the fresh oil, to be subjected to fractionation, heating a heavier one of said condensates to cracking temperature and discharging it into the decomposing zone to maintain the desired decomposing conditions therein.

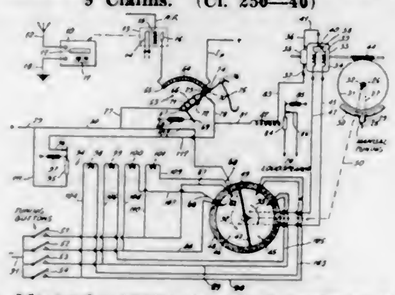
2,099,719

PRESELECTIVE TUNING FOR RADIO RECEPTION AND THE LIKE

Thomas A. Banning, Jr., Evanston, Ill., assignor to Radio Corporation of America, a corporation of Delaware

Application June 21, 1933, Serial No. 676,804

9 Claims. (Cl. 250—40)



1. Means for tuning a radio receiver to a selected station having substantially a given frequency of radio frequency signals, comprising means to tune said receiver roughly to the tuning position for reception of such signals, means supplemental thereto operative to complete the tuning operation substantially to the exact frequency of the incoming signals, said last named means comprising means responsive to a change of plate discharge current of a radio frequency tube of the receiver and operative to discontinue the tuning operation substantially at the point of minimum plate discharge current of said tube.

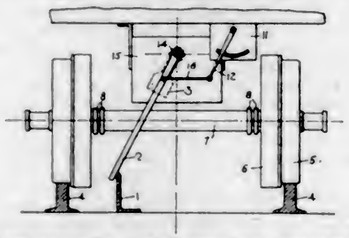
2,099,720

APPARATUS FOR STABILIZING HIGH SPEED TRAINS

Karl P. Billner, New York, N. Y.

Application March 13, 1935, Serial No. 10,904

2 Claims. (Cl. 104—242)



1. Apparatus for stabilizing high speed trains in rounding curves, means carried by the train for magnetically increasing the tractive effect substantially in proportion to developed centrifugal forces tending to derail the train and means responsive to the centrifugal force for controlling the magnetic effect, in combination with a guide starting at a straight portion of a track immediately adjacent the curve from a point near the inside rail, said guide being arranged obliquely of the rails so as to approach the outside rail at or near the commencement of the curve and a swinging arm carried by the train, said arm cooperating with said guide to so control the magnetic effect that the desired increase in traction is secured at or before the entrance of the train into the curve.

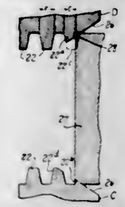
2,099,721

THREAD CUTTING CHASER

Albert F. Breitenstein, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut

Application June 1, 1936, Serial No. 82,717

6 Claims. (Cl. 10—103)



1. A thread-cutting chaser having a plurality of thread-cutting teeth, including a front thread-cutting tooth, offsetting therefrom; the said front tooth having its advance face chamfered and also having a further portion of its advance face cut away to provide a checking-shoulder intersecting and extending at an angle to the chamfered portion of the tooth.

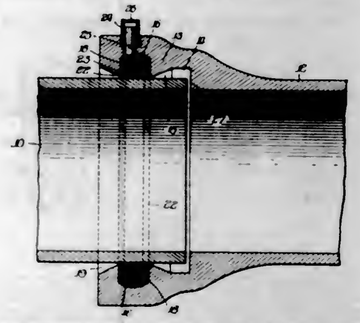
2,099,722

PIPE JOINT

John A. Byers, Evanston, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a corporation of Illinois

Application January 2, 1936, Serial No. 57,140

3 Claims. (Cl. 285—163)



1. A pipe joint comprising a bell member, a spigot member for entrance into said bell member, said bell member having an annular recess formed in the interior wall thereof, a gasket of elastic material adapted to fit within said recess and having encircling association with said spigot member, said gasket having a cavity therein, a valve stem fixed to the gasket and communicating with the cavity, said valve stem providing for the injection of a solidifiable liquid into the cavity to inflate the gasket whereby said gasket is forced into contact with the spigot member to form a tight joint, and tapering surfaces provided by the interior wall of the bell member on opposite sides of the recess to increase the clearance space between the bell and spigot members.

2,099,723

90° BEND, FLEXIBLE PIPE CLEANING TOOL

Andrew J. Carver, Walters, Okla.

Application September 18, 1936, Serial No. 101,441

8 Claims. (Cl. 15—104.06)



1. A pipe working tool including a series of abutted, scraper-carrying body sections and a piston assembly, a flexible element threaded axially through and on which the sections and assembly are slidable and have relatively free rotation as to each other, a stop on said element to limit end shift of the said series and assembly, and means acting against and to hold the sections and assembly in abutted relation and yieldingly press them in one direction along said element toward said stop.

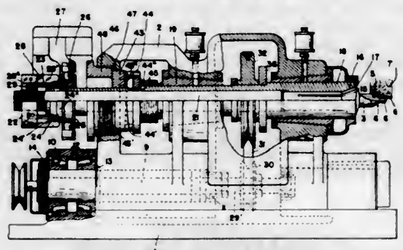
2,099,724

MACHINE FOR GRINDING TOOLS

Stuart A. Cogsdill, Detroit, Mich., assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich., a corporation of Michigan

Application August 5, 1935, Serial No. 34,818

7 Claims. (Cl. 51—94)



1. A machine for grinding cutting tools, comprising an abrasive member, a support rockably movable toward and away from said abrasive member, a holder for a tool rotatably carried by said support and adapted to position the tool for engagement by said abrasive member, means for rocking said support toward said abrasive member to establish and maintain engagement of the tool with said abrasive member, a cam rotatable with said holder, a member engageable with said cam upon movement of said support toward said abrasive member to cause said support to periodically move away from said abrasive member, and adjustable means controlling said member for varying the movement of said support toward said abrasive member.

2,099,725

SCRATCH RECORDER

Alfred V. de Forest, Southport, Conn., assignor to Baldwin-Southwark Corporation, a corporation of Delaware

Application December 4, 1934, Serial No. 755,913

6 Claims. (Cl. 234—70)

1. A scratch recorder comprising a target having a clip bar and a recording surface, a marker arm extending beneath said clip bar and on top of said recording surface, means whereby said

marker arm and target may be attached to a specimen subjected to strain variations thereby to effect relative longitudinal movement between



said arm and target, and means for biasing said marker arm so that it traverses said surface upon occurrence of said relative movement between said marker arm and target.

2,099,726

PAPER AND METHOD OF MAKING SAME

Lloyd L. Dodge, Rhinelander, Wis., assignor to Rhinelander Paper Company, Rhinelander, Wis., a corporation of Wisconsin

No Drawing. Application June 20, 1935, Serial No. 27,541

3 Claims. (Cl. 92—40)

1. In the method of making a waxed paper of enhanced transparency and pliability from relatively free, only partially hydrated paper stock by successively forming the stock into a paper web having its fibers lying largely in the machine direction, drying, moistening and super-calendering said web, the steps which comprise subjecting said web a plurality of times to treatment with wax; first applying an aqueous wax emulsion to said web during said drying step and thereafter completing the drying of said web; secondly, passing the once waxed and super-calendered web through a bath of molten wax, winding said waxed web into a roll and maintaining the same at a temperature above the fusing point of the wax for a short time, and thirdly passing said waxed web from said roll into a second molten wax bath to level off and smooth the surface of said waxed web.

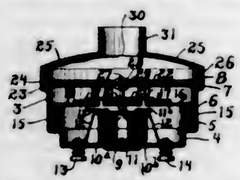
2,099,727

TELEPHONE RECEIVER

Archibald A. Duncan, Akron, Ohio

Application April 5, 1934, Serial No. 719,130

3 Claims. (Cl. 179—114)



1. In a telephone receiver, an electromagnet having a horseshoe core terminating at each end thereof in laterally projecting pole pieces, a soft iron armature positioned in spaced operative relation to said pole pieces, a permanent magnet having a spring bracket on each end thereof, a soft iron pole piece on each bracket, said armature mounted with its ends in close, spaced relation to and in the lateral plane of the pole pieces of said permanent magnet, each pole piece of said permanent magnet being positioned in close spaced relation to the pole piece at the opposite pole of the electromagnet, a diaphragm and member operatively connecting the armature to the diaphragm.

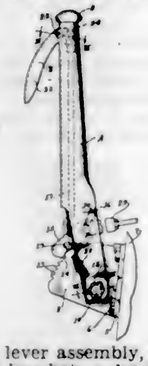
2,099,728

BRAKE LEVER

Charles Robert Duncan, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan

Application December 13, 1935, Serial No. 54,173

3 Claims. (Cl. 74—537)



1. In a brake lever assembly, a bracket, a lever pivoted to said bracket, a lever pivot bolt connecting said lever to said bracket, a nut on said bolt, a pawl pivoted to said lever, a pawl spring having one end connected to said pawl and the other end passing through an opening in said bolt and engaging said nut with hook action to prevent loosening of the nut on the bolt and for securing said end of said spring in place.

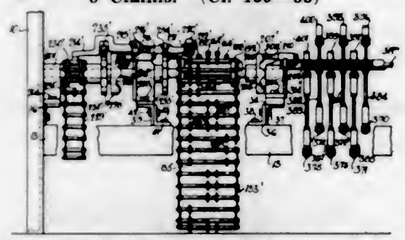
2,099,729

PATTERN CONTROL AND SHEDDING MECHANISM FOR LOOMS

Eugene P. Floyd and Arthur G. Hackney, Tucapau, S. C., assignors of one-half to C. C. Wyche, Donald Russell, Sam J. Nichols, and Alfred Moore, all of Spartanburg, and George Hill, Wellford, S. C.

Application September 10, 1934, Serial No. 743,431

8 Claims. (Cl. 139—55)



1. In a loom having a plurality of harnesses, means for selectively positioning said harnesses to form sheds comprising a pattern drum for controlling the positioning of said harnesses, means for advancing said pattern drum, means for reversing said pattern drum and means for oscillating said pattern drum.

2,099,730

ARTICLE OF JEWELRY

Louis Garfinkel, Providence, R. I., assignor to T & R Jewelry Co., Providence, R. I., a corporation of Rhode Island

Application July 23, 1936, Serial No. 92,168

7 Claims. (Cl. 63—1)

1. An article of jewelry comprising a supporting member, an ornament having spaced channels

forming a guideway, said member being slidable in the guideway between the channels to mount the ornament on the member, a resilient tongue on one of the parts provided with a detent at its free end, and said other part having a recess en-



gaged by the detent to hold the ornament in position on the member, said tongue and recess being positioned between the channels and said tongue being movable at an angle to the plane of the part on which it is carried.

2,099,731

SKI PLANE

Louis Gelbman, Yonkers, N. Y.

Application September 12, 1936, Serial No. 100,421

8 Claims. (Cl. 280—8)



1. In a ski plane a body for a rider to sit on, a main ski attached along the longitudinal center of said body for running on snow or ice and upon which a rider may balance himself, arms transversely of said body and movably mounted upon said body to move in planes transversely of said body, a support ski element on each side of said main ski and mounted upon said arms and adapted to move arcuately upwards and outwards and resilient means urging said support skis downwards against the snow or ice.

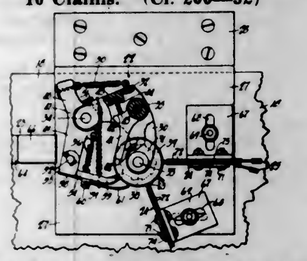
2,099,732

DISPENSER CONTROL MEANS

Joseph M. Gordon, South Bend, Ind., assignor of one-half to Leland E. Line, South Bend, Ind.

Application March 30, 1936, Serial No. 71,764

10 Claims. (Cl. 200—52)



1. Means for controlling a dispenser associated with a coin controlled device to operate said dispenser once for each predetermined number of operations of said coin controlled device, comprising primary and secondary members rotatable step-by-step, said secondary member being associated with said primary member to normally rotate one step for each revolution of said primary member, means for actuating said primary member, a control switch comprising spaced resilient contacts, means carried by said secondary member for pressing said contacts into engagement, and means cooperating with said first named actuating means for rotating said secondary member one step upon the operation of the primary member immediately following engagement of said contacts.

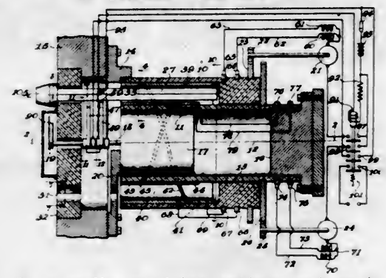
2,099,733

TUNING APPARATUS FOR RADIO RECEIVERS

Harold D. Gregory, Haddon Heights, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 1, 1932, Serial No. 602,548

11 Claims. (Cl. 250—20)



5. In a radio receiving system, rotary tuning means therefor, an electric motor for driving said tuning means, and switch means for controlling the motor circuit, said switch means comprising a drum driven by said motor and individual control pins, each having a contact adjustable along its length, adaptable for placement at different radial positions with respect to said drum and operable dependently upon said positions and contact adjustments to determine the controlling action with respect to the motor circuit.

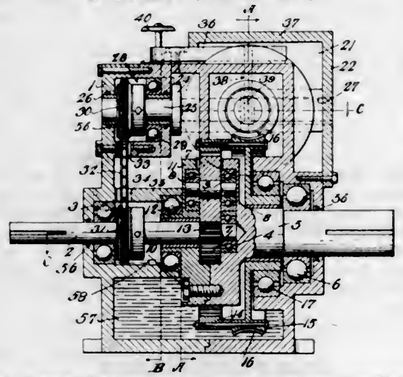
2,099,734

VARIABLE SPEED GEAR TRANSMISSION

Charles O. Hall, East Orange, N. J.

Application May 25, 1935, Serial No. 23,370

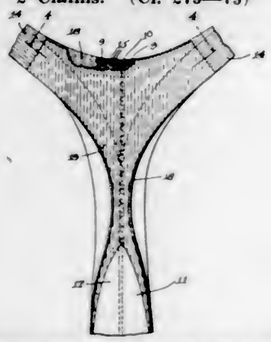
1 Claim. (Cl. 74—285)



A power transmission construction combining an input shaft, a pinion attached thereto, a gear assembly, a torque reaction member having a worm gear secured thereto, a separate transmission for driving a hollow countershaft from the input shaft, a driven flanged output shaft, an oil containing housing to enclose all these parts, having oil seals at the apertures through which the shafts protrude, a driving friction disc on a slidably keyed shaft within the said countershaft and rotated thereby, a driven disc on another shaft positioned right angularly to said

countershaft having the driven disc contactable with the driving disc, a worm secured to said right-angle shaft which engages the worm gear attached to and of larger diameter than the torque reaction member whereby rotative motion is transmitted to the torque reaction member, a separate housing applied securely to the oil containing housing, providing a protective chamber for the friction mechanism, means for adjusting the driving friction disc forward and back across the face of the driven disc from its periphery to a position relatively nearer its axis, a pivoted lever having a handle, a pin through said lever positioned to engage a circular keyway in the driving disc shaft, to engage the driving disc with the driven disc at various radii of the driven disc.

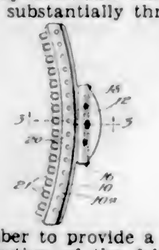
2,099,735
PLAYING RACKET
Horace W. Hall, Newton, Mass.
Application April 8, 1936, Serial No. 73,254
2 Claims. (Cl. 273—73)



1. A racket comprising a bow head, throat and handle, a portion of said racket below said bow head curving inwardly at its outer sides, and two reinforcing laminations on said racket, one above the other, extending from the lower portion of said bow head downwardly on said throat to said handle, a portion of each said reinforcing lamination curving inwardly at its outer sides to a greater extent than the said inward curving of the adjacent portion of said racket and then curving outwardly, the upper said lamination being narrower in width for a portion of its length than the lower said lamination and so positioned that a portion of each side of said lower lamination is visible below said upper lamination, the grain of said lower lamination extending substantially laterally across said throat and handle and the grain of said upper lamination extending substantially longitudinally.

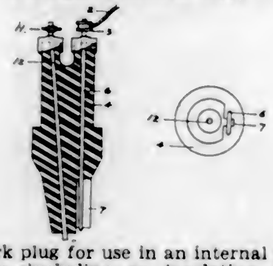
2,099,736
HAIR WAVING DEVICE
Walter H. Hermsdorf, Chicago, Ill., assignor to Chain Store Products Corporation, Chicago, Ill., a corporation of Delaware
Application April 16, 1936, Serial No. 74,660
5 Claims. (Cl. 132—31)

1. In a device of the character described, a pair of elongated spring-pressed pivotally connected hair-gripping members, the bottom edges of said members being provided with teeth, the inner surfaces of members, adjacent said bottom edges, contacting each other in the closed position of said members, the inner surface of one member, immediately above said contact area, extending outwardly substantially throughout the



length of the member to provide a longitudinal space for the reception of the folded or bent portion of the hair gripped between said members.

2,099,737
SPARK PLUG CORE
Albert Joseph Hopkins, Toronto, Ontario, Canada
Application September 16, 1935, Serial No. 40,792
3 Claims. (Cl. 123—169)



1. A spark plug for use in an internal combustion engine, including an insulating core, an electrode extending through the core and projecting therefrom at the lower end thereof, a heating element positioned exteriorly of said core for a portion of its length adjacent to and above the projecting lower end of said electrode, and thereafter extending upwardly through said core in spaced relation to said electrode, and means connecting said heating element in the electric circuit.

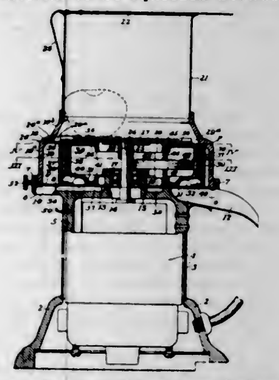
2,099,738
ALKYLATION OF TRIHYDRIC PHENOLS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 30, 1934, Serial No. 733,335. Renewed May 26, 1936
6 Claims. (Cl. 260—154)

1. A process for the treatment of tri-hydric phenols to produce alkyl derivatives thereof which comprises, subjecting the said tri-hydric phenols to the action of an olefinic hydrocarbon in the presence of an acid of phosphorus.

2,099,739
EXTRACTION OF JUICE FROM VEGETABLE PULP AND LIKE MATERIALS
Clarence E. Jenkins, Keene, N. H., assignor, by direct and mesne assignments, to Bocji Corporation, Trustee, Pittsburgh, Pa., a corporation of Delaware
Application January 17, 1934, Serial No. 706,976
39 Claims. (Cl. 100—47)

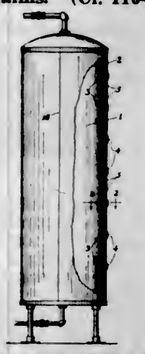
1. Apparatus of the class described comprising inner and outer cylindrical members one of which is eccentrically positioned within the other, and means for moving one of said members in a gyratory path with respect to the other, one

of said members having a wall portion over which the other member moves and which serves to confine material to be squeezed between the two



members, and an open space being provided through which material to be squeezed may be introduced between the said inner and outer members.

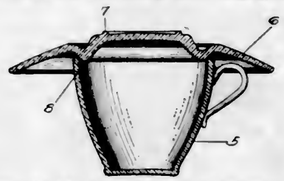
2,099,740
THERMAL INSULATION
Henry A. Kieselbach, Montclair, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 7,775
3 Claims. (Cl. 116—114)



1. An assembly comprising a heated tank to be insulated, a layer of thermal insulation disposed therearound and means for indicating by finger touch the approximate temperature of the tank, the said means comprising an element in contact with the tank, an element exposed on the outside of the insulation and constituting a readily accessible tangible temperature indicator, and a union member, of area of cross section very small in proportion to the area of either of the said two elements, connecting the said elements and the said elements and union member being each of high specific thermal conductance of the order of that of metals.

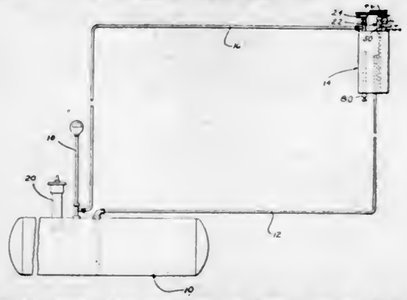
2,099,741
SAUCER FOR CUPS
Hyman Klayf, Chicago, Ill.
Application May 20, 1936, Serial No. 80,658
1 Claim. (Cl. 65—13)

A saucer for a cup, said saucer having a concavo-convex section and having provided adjacent and beyond the central portion of the concave surface upon which a cup is normally supported means for entering and engaging the top



of the cup so as to prevent relative movement when the saucer is inverted and placed on the top of the cup.

2,099,742
REMOTE FEED FOR LIQUID FUEL
Albert H. Klesa, Stow, Ohio
Application September 7, 1934, Serial No. 743,096
6 Claims. (Cl. 158—81)



1. A tank for use in a liquid-fuel system, which tank contains liquid fuel and air under pressure, a mixing valve in the tank for commingling the liquid fuel and air under pressure, an air valve for controlling the supply of air to the tank and gear means for coordinating the action of the mixing valve and the air valve so that the mixing valve will be open completely when the air valve is shut and vice versa, and so both valves may be partially open at the same time.

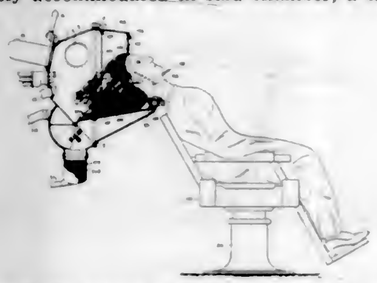
2,099,743
WATER SOFTENER
Ellwyn C. Kroeger, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
No Drawing. Application July 15, 1936, Serial No. 90,757
2 Claims. (Cl. 210—23)

1. A water softener consisting of an intimate mixture of sodium meta silicate and sodium carbonate in approximately the relative proportions of 50 to 85% of sodium meta silicate and 15 to 50% of sodium carbonate.

2,099,744
METHOD OF AND MEANS FOR EXTERIOR BODY TREATMENTS
Hans Lohr, Jackson Heights, N. Y., assignor to Filior Famous Facial Corporation, Long Island City, N. Y., a corporation of New York
Application July 16, 1930, Serial No. 468,237
In Germany July 17, 1929
36 Claims. (Cl. 128—172)

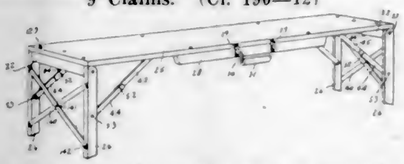
30. In combination with a treatment chamber into which part of the head is adapted to be

sealed, and with a plurality of dispensing means issuing upon and with massage means operatively accommodated in said chamber, a timing



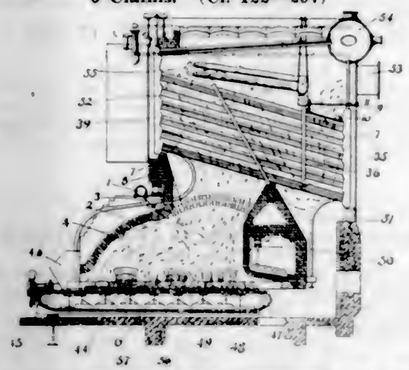
mechanism controlling said means and chronologically separatedly starting and stopping said means.

2,099,745
COLLAPSIBLE BENCH AND TABLE STRUCTURE
William H. Lykins, Covington, Ind.
Application September 27, 1934, Serial No. 745,660
9 Claims. (Cl. 190—12)



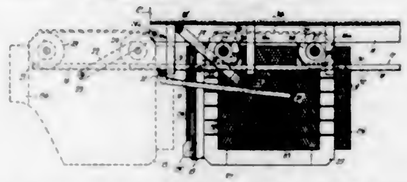
1. A container forming bench including a bench seat, pairs of legs at each end thereof and pivotally associated therewith and each pair being foldable inwardly toward each other, side rails each aligned with the legs on its side and carried by the underside of said seat and terminating short of the ends thereof by a distance from each end at least equal to the lengtn of a leg, said legs when collapsed and said side rails forming with said seat a section of a container for carrying purposes.

2,099,746
MEANS FOR INCREASING THE EFFICIENCY OF BOILERS
Augustus Mayer, Springfield, Ill.
Application September 6, 1935, Serial No. 39,440
6 Claims. (Cl. 122—297)



1. As an improvement in commercial type water tube boilers having a boiler supporting and fire box defining wall, a controllable mechanical source of air projecting energy, and communicating channels for conducting fresh air from said mechanical projector up under burning fuel in the fire box and an outlet in said boiler supporting wall for the hot products of combustion; an auxiliary fresh air supply system and a control system for a uniform distribution and means for regulating both systems in effective harmony comprising a fresh air supply duct, a plurality of spaced air distributing pipes extending through said fire box wall and control valves in each; said air duct communicatively connected with said air supply channels to the outside of said wall and a damper in said air supply duct for controlling the supply of air to said air distributing pipes, a plurality of channeled dampers each having an integral control lever, a pair of parallel metallic plates pivotally supporting said dampers and disposed at right angles across the top of said water tubes of the boiler so as to normally register said channel dampers over the space between said water tubes, means for manually adjusting said channel dampers in the optional control of the distribution of the hot products of combustion among the water tubes of the boiler before they leave the outlet therefor.

2,099,747
AIR CONDITIONING MEANS
Lee W. Melcher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Application June 4, 1936, Serial No. 83,577
9 Claims. (Cl. 62—117)



1. In combination with a vehicle having cooling means therefor, of a mounting connected to and suspended from the bottom of the vehicle, a refrigerator unit comprising a compressor for supplying compressed refrigerant to the cooling means and a prime mover for driving the compressor, and supported by the mounting so that it is bodily shiftable from a normal operating position wherein it is disposed directly beneath the bottom of the vehicle into a position wherein it is disposed outwardly of the vehicle and the compressor and prime mover are readily accessible, and means for releasably holding the unit in its operating position.

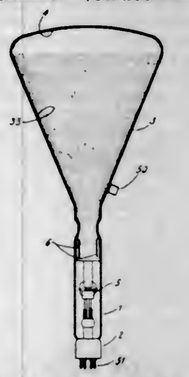
2,099,748
EYEGLASS FRAME
Paul Mertens, Newark, N. J.
Application April 27, 1936, Serial No. 76,572
3 Claims. (Cl. 88—47)



1. In an eyeglass frame, a lens supporting rim section having a peripheral wall and a ledge portion springing from its front marginal portion in

right angular relation thereto thereby to provide a rearwardly open lens receiving and supporting seat to embrace a portion of the lens perimeter and marginal portions of its front face, spaced apart coupling bosses within the angle of said seat projecting rearwardly from and being integral with said ledge portion and parallel to said peripheral wall to extend into corresponding openings provided in the lens to be engaged in said seat, thereby to retain the applied lens against outward displacement relative to said peripheral wall, said coupling bosses having axially disposed internally screw-threaded bores, perforate clip-plates for application over the rear face of the applied lens in alignment with said coupling boss bores, said clip plates having end portions bearing on the peripheral wall of the rim section and headed fastening screws, the shanks of which pass through said clip-plates and screw into said coupling boss bores, thereby to retain said lens against rearward displacement relative to said ledge portion.

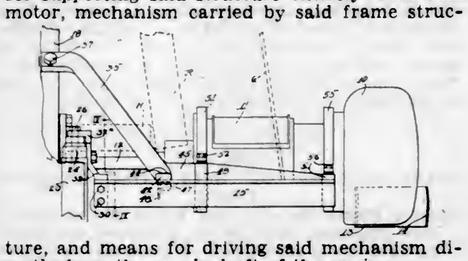
2,099,749
ELECTRON TUBE
Richard T. Orth, Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 30, 1933, Serial No. 673,572
3 Claims. (Cl. 250—27.5)



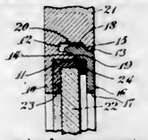
3. A cathode ray tube comprising a surface for emitting a stream of electrons, a target positioned in the stream and adapted to luminesce under impact of the electrons, means to focus the emitted electron stream on the target, means to limit and fix the boundary area of the instantaneously impinging electrons and electrode means acting only within the emitted electron stream to variably remove under the control of signals the electrons from the inner portion of the boundary area of impact to vary the intensity of the luminescent effects produced.

2,099,750
GOVERNOR CLUTCH DRIVE MECHANISM SUPPORT
Ralph F. Peo and William D. Drysdale, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 17, 1936, Serial No. 59,500
8 Claims. (Cl. 180—53)

1. In a motor-propelled vehicle having a radiator at the front end thereof, a motor resiliently mounted on said vehicle behind the radiator, a frame structure in front of said radiator, means for supporting said structure entirely from said motor, mechanism carried by said frame structure, and means for driving said mechanism directly from the crank shaft of the engine.

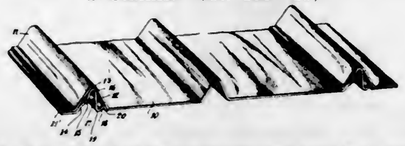


2,099,751
WINDOW CONSTRUCTION
Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application April 3, 1936, Serial No. 72,619
3 Claims. (Cl. 20—56.4)



1. In a metal window construction, a setting for a pane of glass comprising a member provided with a glass retaining flange for one face of the setting, a lip provided at the opposite face of the setting and a shoulder intermediate the flange and lip, the shoulder and lip providing a recess therebetween, and a rigid metal stop having a glass retaining flange for the opposite face of the setting and a projection adapted to be received in the recess and interlock with a side of the shoulder and lip for retaining the stop in position.

2,099,752
SHEET METAL ROOFING
Verdon Thomas Renner, Parkersburg, W. Va., assignor to The Parkersburg Iron and Steel Company, Parkersburg, W. Va., a corporation of West Virginia
Application February 25, 1936, Serial No. 65,591
2 Claims. (Cl. 108—18)



1. A lapped joint for sheet metal roofing, comprising adjacent sheets, one of which is provided at one edge with an overlapping inverted V-shaped member having a convex crown portion and adjoining straight flat sides, and an unsymmetrical lapped member on an edge of the adjacent sheet; said lapped member consisting of a crown portion for nesting in and supporting said convex crown portion and adjoining major and minor legs, said major leg sloping upwardly from the sheet and having a preponderance of its surface in direct contact with the overlapping terminal leg, and a minor portion of said surface out of contact with said leg, and a base margin in surface contact with the terminal margin of said terminal leg, said minor leg sloping downwardly

and provided with a terminal formation comprising a relatively small inverted U-shaped foot connected to said minor leg by a U-shaped drainage trough, the outer side of said foot being of plane formation and providing a terminal surface in direct contact with the base portion of the remaining leg of said overlapping member.

2,099,753

MANUFACTURE OF CELLULOSE DERIVATIVES

Robert Pierce Roberts and Edgar Bertie Johnson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 23, 1934, Serial No. 749,622. In Great Britain November 23, 1933

5 Claims. (Cl. 260—102)

1. Process for the manufacture of cellulose acetate, which comprises ripening cellulose acetate by incorporating with an acetylation solution of cellulosic material and containing acetic anhydride and an acid catalyst sufficient reagent to destroy excess acetylating agent, allowing the mixture to stand for some time, neutralizing a part of the acid catalyst and incorporating a ripening agent in a proportion of less than 20% of the cellulosic material and continuing ripening until an acetone soluble cellulose acetate having an acetyl content of less than 56% is produced, the conditions of treatment being such that the cellulose acetate produced is capable of being formed into products of increased resistance to the delustering action of hot aqueous solutions.

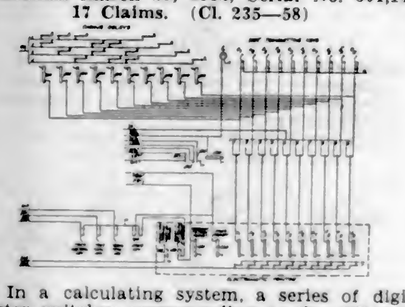
2,099,754

CALCULATING MACHINE

Harold C. Robinson, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application March 25, 1932, Serial No. 601,141

17 Claims. (Cl. 235—58)



1. In a calculating system, a series of digit register switches corresponding to the different orders of digits of a multi-digit number, each register switch having a plurality of positions one for each of the different numerical digits and each register switch always standing in one of those positions, whereby a series of digits is always registered in said series of register switches, means for transmitting a series of impulses corresponding to a series of digits constituting a multi-digit number, said impulses being transmitted in the sequence corresponding to the orders of digits of said number, means responsive to each impulse of said series and controlled by each of said register switches for operating said register switches to positions corresponding to the digits of the sum of the series of digits registered in the register switches and the series of digits represented by the series of impulses, and means whereby said register switches are rendered effective one at a time to control said impulse responsive means and in the digit-order sequence in which said impulses are transmitted.

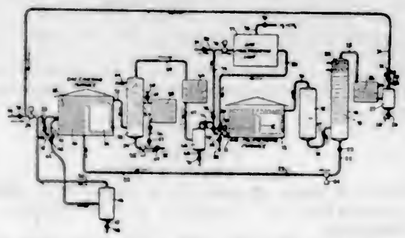
2,099,755

TREATMENT OF HYDROCARBONS

Robert F. Ruthruff, Hammond, Ind., assignor to Standard Oil Company (Ind.), Chicago, Ill., a corporation of Indiana

Application December 13, 1934, Serial No. 757,265

6 Claims. (Cl. 196—10)



1. The process of producing hydrocarbon oil boiling within the motor-fuel boiling-point range from hydrocarbon gases containing gaseous olefins which comprises subjecting said gases to an elevated temperature under high pressure to effect a polymerization of gaseous olefins to normally liquid products, fractionating the products to condense and separate products boiling within the motor-fuel boiling-point range and higher-boiling products, passing higher boiling products thus obtained through a heating zone and subjecting them to a temperature of from 1250° to 1750° F. under a relatively low pressure in the presence of hydrocarbon gases containing paraffins to produce gaseous olefins from said higher boiling products and paraffins, and delivering gaseous olefins thereby produced to the gas-polymerizing step.

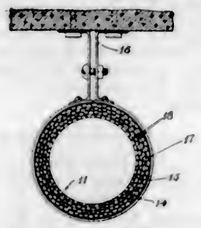
2,099,756

AIR DUCT

William R. Seigle, Mamaroneck, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application October 29, 1935, Serial No. 47,217

5 Claims. (Cl. 138—78)



1. A duct for moisture-containing air comprising fire-resistant fibres felted into a substantially non-resonant sheet material constituting the major part of the wall of the duct and a moisture-proof friction-reducing agent coated over the inner surface of the wall and preventing frictional contact between the said material and the air in the duct.

2,099,757

ESTERS OF FORMALS AND METHOD OF PREPARING THEM

George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 12, 1933, Serial No. 680,082

9 Claims. (Cl. 260—103)

1. An ester of an acyclic formal of a dihydric alcohol with an isocyclic carboxylic acid.

2,099,758

COMPOSITIONS CONTAINING ESTERS OF FORMALS

George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Original application July 12, 1933, Serial No. 680,082. Divided and this application October 17, 1934, Serial No. 748,659. In Canada July 11, 1934

12 Claims. (Cl. 106—40)

1. A composition of matter containing a derivative of cellulose and an aromatic carboxylic acid ester of a formal of a dihydric alcohol.

2,099,759

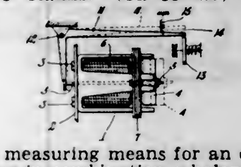
TIME MEASURING MECHANISM

Emil Spahn, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a corporation of Switzerland

Application October 24, 1935, Serial No. 46,492

In Switzerland November 24, 1934

3 Claims. (Cl. 58—26)



1. A time measuring means for an electric circuit including in combination a balance wheel of a clock mechanism, a synchronous motor having a rotor axially movable under the influence of its magnetic driving flux, means normally holding the balance wheel against movement and means for releasing said holding means by axial shifting of the rotor when the flux is interrupted whereby interruption of the power supplied to the motor causes the balance wheel to be released.

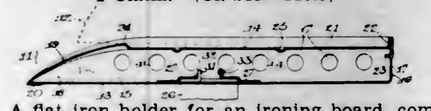
2,099,760

FLATIRON HOLDER

Fred R. Staudle, Milwaukee, Wis.

Application April 8, 1936, Serial No. 73,239

1 Claim. (Cl. 248—117.6)



A flat-iron holder for an ironing board, comprising a flat-iron support adapted to rest on the board, a guide carried by said support, and clamping members on said support engageable with opposite side edges of the board, one of said clamping members being slidable along said guide, said guide having spaced lugs, and said slidable clamping member having a lug intermediate said lugs on said guide, a coiled spring connecting said clamping member lug and one of said lugs on said guide to urge said clamping member inwardly, and the other lug on said guide being engageable with said clamping member lug to limit the outward movement of said clamping member.

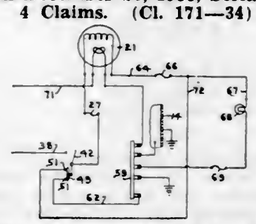
2,099,761

SAFETY SWITCH BOX

Walter F. Sutherlin, Birmingham, Ala., assignor of one-half to G. J. Jebeles, Birmingham, Ala.

Application December 26, 1935, Serial No. 56,194

4 Claims. (Cl. 171—34)



1. In switch apparatus of the character described, a switch box, a meter, terminals in the switch box connected to a power line, to a work circuit and to the ground, terminals in the switch box connected to the meter coils, and a double throw spring pressed switch in the switch box so disposed that when closed on one side the power line is connected to the work circuit through the meter coils, and when closed on the other side the work circuit beyond the meter is connected to the ground.

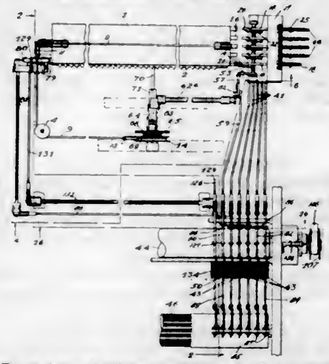
2,099,762

TYPEWRITING MACHINE

Russell G. Thompson, Rochester, N. Y., assignor to Underwood Elliott Fisher Company, a corporation of Delaware

Application August 6, 1934, Serial No. 738,573

49 Claims. (Cl. 197—20)



45. In a typewriting machine, the combination of a carriage, an escapement device, a plurality of letter-feed racks having different letter-spacing, and means for automatically selecting a letter-feed rack and operatively connecting the selected rack with the escapement device according to a predetermined typed-line justifying schedule.

2,099,763

METAL TIRE COVER

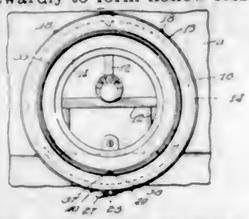
Herbert W. Tinker, Milwaukee, Wis., assignor, by mesne assignments, to Lyon Incorporated, Detroit, Mich., a corporation of Delaware

Application July 30, 1931, Serial No. 553,975

6 Claims. (Cl. 150—54)

1. In a unitary metal tire cover, a pair of sections, one completely circular and continuous, and the other circular and transversely split pro-

viding free ends adjustable toward and from each other, said two sections being connected together only at a point diametrically opposite said free ends and having their adjacent annular edges pressed outwardly to form hollow ribs adapted to



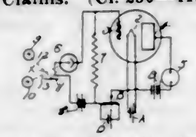
nest one within the other, means associated with said split section for drawing its free ends together to secure said ribs in nested relation, and means for guiding and holding said sections into a predetermined rib-nested position as said first means is actuated.

2,099,764

METHOD OF AND MEANS FOR CONTROLLING ELECTRIC APPARATUS

Enrique G. Touceda, Albany, N. Y.

Application July 30, 1932, Serial No. 626,863
18 Claims. (Cl. 250—41.5)



1. In a device of the character described adapted to determine the passage of an object through a predetermined point in space, the combination with beam projecting means arranged to project a plurality of separate beams in substantially different directions through a zone about said point and which said beams will be intercepted by said object when positioned at said point, of beam responsive means positioned to intercept said beams after they pass said zone.

2,099,765

FINISHING TEXTILES

Horst Dietrich Freiherr von der Horst, Leuna, and Ferdinand Muenz and Adolf Vogt, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application December 27, 1933, Serial No. 704,144. In Germany December 29, 1932
9 Claims. (Cl. 91—70)

1. The process of finishing organic textiles which consists in treating them in an aqueous medium with starch in a form capable of yielding a paste and with a substance selected from the class consisting of formaldehyde and compounds yielding formaldehyde under the conditions obtaining and reacting with starch in the warm, and drying the said textiles in the warm while adding an acid-reacting substance.

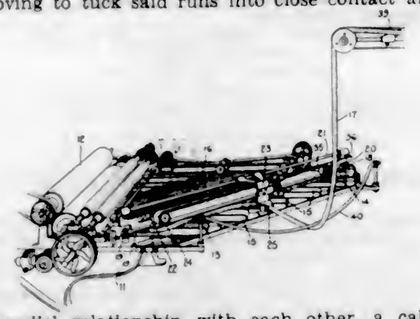
2,099,766

SPUN YARN AND METHOD OF PREPARING SAME

Leon W. Weinberg, Philadelphia, Pa., assignor to Celanese Corporation of America, a corporation of Delaware

Application June 27, 1934, Serial No. 732,621
3 Claims. (Cl. 19—160)

1. In a device of the class described, the combination with an Apperly feed table having a reciprocating carriage for laying a length of roving in a plurality of runs in serpentine form on said table, of means adapted to move with said carriage for acting on alternate runs only of the roving to tuck said runs into close contact and



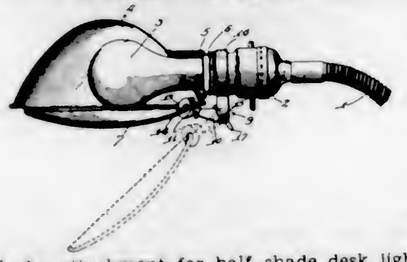
parallel relationship with each other, a cable adapted to rotate said means, and a spring at each end of said cable for resiliently supporting the same whereby the jar exerted by the reversing of the reciprocating carriage is avoided.

2,099,767

DIFFUSER

George A. Marks, Chicago, Ill.

Application December 14, 1936, Serial No. 115,736
3 Claims. (Cl. 240—108)



1. An attachment for half shade desk lights comprising a concavo-convex diffuser having a peripheral rib on the concave side, a support comprising a clamp portion substantially conforming to the convex side adjacent the periphery of said diffuser, a complemental clamping member arranged to clamp said diffuser inside said rib, means outside the periphery of said diffuser for securing said clamping member to said clamp portion, said clamping member having a groove providing clearance for said rib to enable clamping of said diffuser inside said rib, said clamp portion having an arm extending outwardly beyond said clamping member, interchangeable socket clamping members pivotally mounted on said arm to provide a hinge, and means for adjustably securing said hinge to permit relative frictional adjustment of said diffuser.

2,099,768

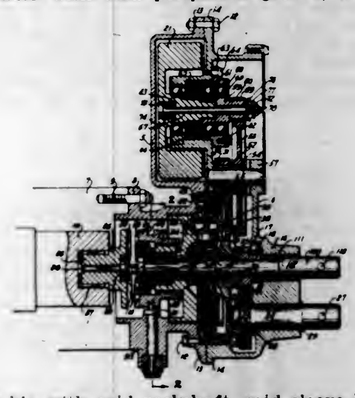
DRIVING MECHANISM

Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey

Original application May 8, 1931, Serial No. 536,031. Divided and this application August 31, 1936, Serial No. 98,799
1 Claim. (Cl. 192—82)

In a rotation transmitting mechanism of the type embodying an axially movable rotatable

clutch member having a peripheral groove, a rockshaft having its axis directed toward said clutch member and also having an extension engageable with said peripheral groove, a sleeve



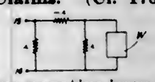
movable with said rockshaft, said sleeve having a pair of angularly spaced notches along its outer surface, and means engageable with said notches to yieldably oppose movement of said rockshaft and sleeve.

2,099,769

CIRCUITS EMBODYING NEGATIVE IMPEDANCE

Harry Nyquist, Millburn, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application June 23, 1936, Serial No. 86,882
4 Claims. (Cl. 178—44)



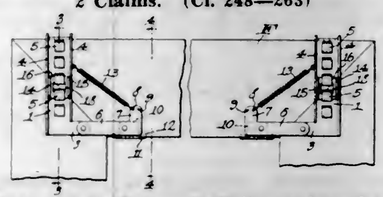
3. A series type negative impedance circuit having a pair of terminals, a positive impedance connected to the end of said circuit opposite said terminals, a network of Π configuration connected in the circuit between said terminals and said impedance, the series arm of said network being a negative impedance of the series type, and the shunt arms being positive impedances.

2,099,770

CURTAIN FIXTURE

Charles A. Plaunt, Maywood, Ill.

Application November 28, 1936, Serial No. 113,218
2 Claims. (Cl. 248—263)



2. A curtain fixture including a base having an offset head at one end, a lever pivotally connected to the other end of the base and extending laterally therefrom, resilient means for urging the lever about its pivotal connection and toward the head, a gripping plate pivotally connected to the lever and extending laterally therefrom, said plate and head being positioned to receive the top portion of a window frame there-

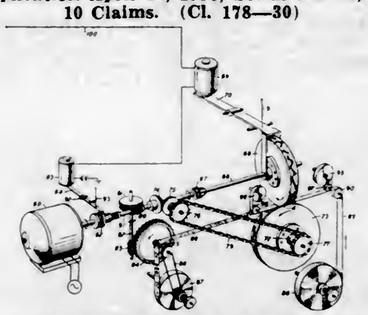
between, and a bracket detachably connected to the base, said bracket including spaced arms of different lengths and an apertured intermediate portion, there being a longitudinal series of hooks outstanding from the base, each hook being proportioned to enter the aperture in the bracket and said bracket being adapted to gravitate on the engaged hook and into engagement with the next adjoining hook thereunder.

2,099,771

PRINTING TELEGRAPH SYSTEM

Wilton Treat Rea, Flushing, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 11, 1936, Serial No. 73,944
10 Claims. (Cl. 178—30)



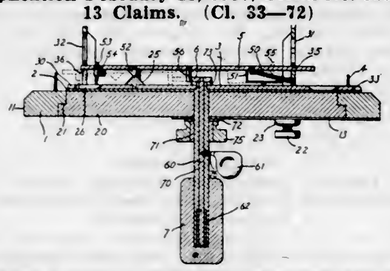
1. In a telegraph printer, a pair of continuously rotating discs having irregular peripheral edges, a moving recording tape interposed between the peripheral edges of said discs and means for causing the peripheral edges of said discs to contact said moving tape at certain intervals during the rotation of said discs whereby said tape is acted upon by the contacting portions of the peripheral edges to cause a symbol, characteristic of the contacting portions of the peripheral edges, to be traced on said tape.

2,099,772

PELORUS

Victor Seidelhuber, Seattle, Wash., assignor of one-half to Frank V. Seidelhuber, Seattle, Wash.

Application February 15, 1937, Serial No. 125,765
13 Claims. (Cl. 33—72)



2. In a pelorus, in combination with the compass card and a pair of diametrically disposed sight vanes rotatable over said compass card, a pencil rotatable with the sight vanes, means normally holding the pencil above the compass card, out of marking position, and means to move the pencil at will into marking engagement with the compass card, in the line of sight, thus to indicate graphically the bearing of any selected sight.

2,099,773

PREPARATION OF TETRAALKYL THIURAM MONOSULPHIDES

Norman C. Somers, Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 2, 1933, Serial No. 668,983
3 Claims. (Cl. 260—123)

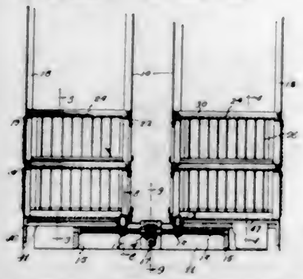
2. In the process of reacting sodium dimethyldithio-carbamate and cyanogen chloride in aqueous solution, the improvement which comprises carrying out the reaction in the presence of 0.05 to 1.5%, based on the weight of the product to be formed, of triethanolamine oleate.

2,099,774

POULTRY OR LIVESTOCK VEHICLE BODY

Will M. Spencer, Estill Springs, Tenn.

Application May 1, 1935, Serial No. 19,307
3 Claims. (Cl. 119—12)



1. In a poultry or livestock vehicle body, a suitable base, body sections mounted thereon to move transversely of the base, each of said sections comprising an outer frame including pairs of uprights and superimposed spaced members connecting the uprights and constituting floor supports, inner frame members comprising pairs of uprights, floor supporting members connecting the pairs of last mentioned uprights, a removable floor for each section composed of the two pairs of uprights and their connecting members, removably applied members extending between the outer uprights and the inner uprights of each section, a barred frame removably applied to the space between the outer and inner frame sections and each two floor supporting members, and means attached thereto and engaging the members between the uprights for retaining the barred frames in place, means for closing the outer frame, and doors between the floor supports of the inner frame.

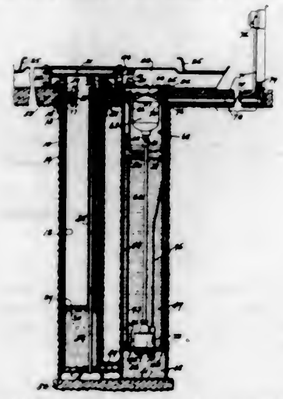
2,099,775

VEHICLE LIFT

Louis C. Stukenborg, Memphis, Tenn.

Application June 26, 1935, Serial No. 28,427
6 Claims. (Cl. 60—52)

1. In a lift, a jack and a rigidly connected reservoir and pumping unit; said jack comprising a vertically disposed cylinder, a plunger slidably mounted therein and projecting thereabove and a superstructure carried by said plunger; said unit comprising a vertically disposed tank closely adjacent said cylinder and rigidly secured thereto, said tank being of substantially equal height with said cylinder and being divided transversely into a lower chamber of restricted height and a relatively much larger reservoir thereabove, passageways respectively connecting said chamber with the lower end of said cylinder and the upper end of said cylinder with said reservoir, means within said tank operable to transfer liquid from said reservoir through said chamber to said cylinder and means for establishing return flow from said cylinder and chamber to said reservoir, a stuffing box at the upper end of said cylinder, two sets of packing in said stuffing box, means spacing said packings apart, said means being perforated to permit flow from the interior to the exterior



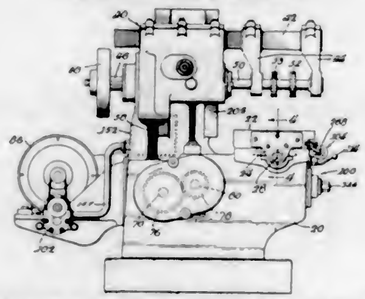
thereof, and said passageway connecting said cylinder and reservoir being in communication with the openings through said spacing means, plunger guiding means within said cylinder spaced below said stuffing box, said plunger being hollow from its lower end upward a distance at least equal to the distance from the bottom of said guiding means to a point midway between said packing means, and said piston having openings adjacent the upper end of said hollow portion through its circumferential wall.

2,099,776

MATERIAL WORKING APPARATUS

Ernest J. Svenson, Rockford, Ill.

Application November 7, 1930, Serial No. 494,045
Renewed September 23, 1937
39 Claims. (Cl. 90—21.5)



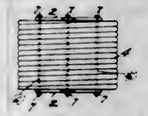
1. In material working apparatus, a frame, a spindle rotatable within said frame, driving means for imparting rotation to said spindle, a fluid operated actuator, a variable displacement pump driven in timed relation with said spindle for delivering fluid at relatively high pressure to said actuator, a power driven rapid traverse pump for delivering fluid at low pressure to said actuator, and a valve shiftable in response to the action of fluid from at least one of said pumps for controlling the direction in which the fluid from the variable displacement pump propels said actuator.

2,099,777

BUFFING WHEEL

Wayne S. Thomas, Detroit, Mich.

Application July 20, 1937, Serial No. 154,651
8 Claims. (Cl. 51—193)



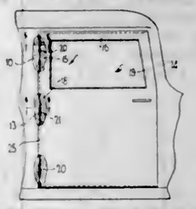
8. A buffing wheel comprising a helically wound fabric; a helically wound member adapted to support and space the convolutions of the helically wound fabric; and a plurality of aligned supporting elements engaging the convolutions of the helically wound member, whereby it is secured against deformation; and means for coupling the supporting elments to a spindle.

2,099,778

HINGED STRUCTURE

Ralph Clayton Todd, Elyria, Ohio

Application August 5, 1936, Serial No. 94,427
5 Claims. (Cl. 296—44)



1. The combination with a longitudinally outwardly curved support and a generally similarly curved support element, of hinges interconnecting the support and element at longitudinally spaced points, each of said hinges being of double pintle construction with parallel axes, one of said hinges being disposed adjacent an end portion of the supported element with one pintle axis adjacent the inner face of the element and the other pintle axis adjacent the outer face of the support, a second hinge disposed in the zone of maximum curvature of the element, the distance between the pintle axes of the second hinge being less than said distance for the first hinge, the distance between the axis of the pintle of the first hinge secured to the element and the axis of the pintle of the second hinge secured to the element being less than the distance between axes of the first hinge pintles but greater than one-half such distance, and the other pintle of the second hinge being secured to the support so that its axis falls on the perpendicular bisector of a line joining the position of the second hinge pintle secured to the element with the element parallel to the support and the position of said pintle after the element is revolved through 90°.

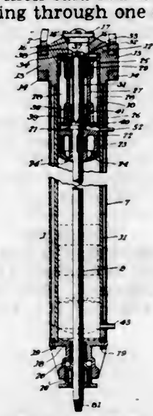
2,099,779

SUSPENSION HYDRAULIC SWIVEL AND FEED FOR ROTARY WELL DRILLING

Guglielmo R. Tremolada, Los Angeles, Calif.

Application May 22, 1936, Serial No. 81,167
3 Claims. (Cl. 255—19)

1. In a rotary well-drilling apparatus, a cylinder suspended from the traveling block of said apparatus, a piston rotatably mounted in said cylinder, a guide mounted in said cylinder, a piston rod extending through said piston and said guide, and secured in said piston, a roller bearing in said guide in which said rod is journaled, said piston rod extending through one end of said cylinder, means for introducing fluid into said cylinder below said piston or allowing said fluid to escape from said cylinder, and means for connecting the drill string to said piston rod.



2,099,780

APPARATUS FOR WEAVING TERRY FABRIC

Marc Van de Casteele, Roubaix, France

Application May 10, 1935, Serial No. 20,866
In France May 12, 1934
6 Claims. (Cl. 139—26)



1. In combination with a loom for weaving looped fabrics, particularly terry fabrics, means for continuously supplying loop warps, means for taking up the fabric woven in the loom, means controlled by said take-up means for determining the maximum length of feed of the loop warps, means for applying tension to said loop warps and means controlled from said tension-applying means for varying the stroke of the loom lay.

2,099,781

HALOGENATION PROCESS AND PRODUCT

William Robert Waldron, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 27, 1933, Serial No. 695,547
2 Claims. (Cl. 23—205)

2. A composition adapted to react with hydroxy compounds to produce phosphorus oxy-chloride and compounds in which the hydroxyl group is replaced by a chlorine atom, said composition comprising substantially phosphorus pentachloride, phosphorus trichloride and ortho-dichlorobenzene.

2,099,782

TEXTILE PRINTING PROCESS AND PRINTING PASTE THEREFOR

Ernst Weiss, Wattwil, Switzerland, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 9, 1935, Serial No. 30,519. In Germany and Great Britain July 26, 1934
4 Claims. (Cl. 8—20)

1. A process for printing cellulosic fabrics or the like which comprises combining calcium thio-

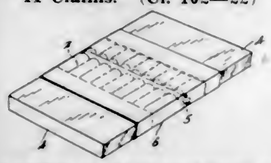
cyanate, water and a thickener consisting of reprecipitated cellulose which would ordinarily act on one another to produce a jelly at room temperature and also combining therewith a sufficient quantity of formaldehyde to oppose such jellying action to produce a paste for printing on cellulose fabrics and printing such paste on a cellulose fabric at room temperature.

4. A printing-paste containing calcium thiocyanate, water and viscose waste which would ordinarily act on one another to produce a jelly at room temperature and formaldehyde to prevent jellying of paste at such temperature.

2,099,783
BOXED ROW FIRECRACKER PACKAGE

Robert Banning Whiteside, Los Angeles, Calif.

Application August 8, 1936, Serial No. 94,949
11 Claims. (Cl. 102—22)



1. A firecracker package consisting of a pair of open-mouth boxes, a flat row of parallel crackers packed in each box and these being of less depth than the length of the crackers, the rows being arranged in opposed coplanar relation with their projecting ends in contiguity, and disruptive binding means girdling the boxed rows and holding them against displacement; the individual crackers being unattached in any manner to other elements of the package.

2,099,784
COMBINED ADJUSTABLE STRAIGHT-EDGE, RULE, AND ALIGNMENT TESTER

Daniel H. Wieslander, Portland, Maine

Application July 2, 1936, Serial No. 88,565
8 Claims. (Cl. 164—73)



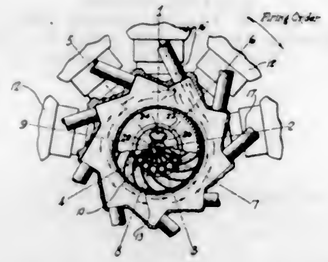
1. An adjustable straight-edge and rule comprising in combination a wooden body element having on one of its faces a slot extending the full length thereof, a metal channel-shape member disposed over one edge of said wooden body element and fixedly secured thereto, a second metal channel member, having one side wall constituting a cutting edge, disposed over but spaced from the opposite edge of said wooden body member, a short shim disposed between said cutting edge and the adjacent edge of said wooden body element, and means to flex, transversely of the straight-edge, the portions of said second metal channel member disposed, longitudinally, on either side of said shim.

2,099,785
ENGINE INTAKE SYSTEM

Andrew V. D. Willgoos, West Hartford, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware

Application October 27, 1934, Serial No. 750,349
3 Claims. (Cl. 123—119)

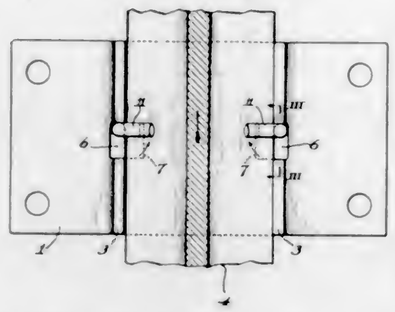
1. In an engine having cylinders arranged around a crank shaft and adapted to be fired in a predetermined rotational order and direction, means for conducting fluid portions from an annular chamber to said cylinders in the same rotational order, and direction, to charge said cylinders and means for rotating the fluid in said chamber in the opposite rotational direction.



2,099,786
RAIL-RETAINING DEVICE

Robert T. Woodings, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania

Application October 2, 1936, Serial No. 103,744
1 Claim. (Cl. 238—351)

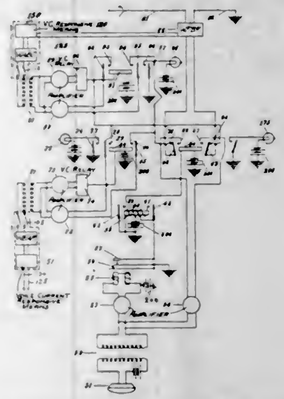


A rail-retaining device comprising a tie plate having a rib extending longitudinally of one edge of the rail base and constituting a shoulder for holding the rail against lateral movement in that direction, said rib and tie plate being provided with a substantially vertical slot therethrough extending longitudinally of the rib, the bottom of the tie plate having a recess opening into the side of said slot and extending inwardly beneath the rail, and a substantially U-shape clip formed from a rod and extending through said slot with its upper arm engaging the top of the rail base and its lower arm disposed in said tie plate recess in engagement with the upper wall thereof, said arms being sprung away from each other by the rail base and tie plate whereby the rail and tie plate are resiliently clamped together, and said lower arm being disposed against an end wall of said recess to prevent the clip from being further turned in that direction, said clip being capable of insertion through said slot only when its arms extend substantially longitudinally of the slot, and the rail and tie plate engaging surfaces of said arms being flattened.

2,099,787
RADIO BROADCASTING SYSTEM

Joseph L. Wright, Forest Hills, Long Island, N. Y.; Ellen Hamilton Clegg Wright, executrix of said Joseph L. Wright, deceased, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application December 18, 1933, Serial No. 702,880
Renewed September 10, 1937
6 Claims. (Cl. 250—6)

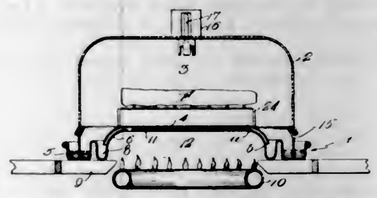


1. In a broadcasting system, a first station and a second distantly located station each having transmitting means adapted to broadcast its respective program, switching means at the first station controlled by said second station whereby the program of said second station may be broadcast over the transmitting means at said first station, said switching means comprising a voice current responsive device, and relay means controlled thereby for connecting said transmitting means at said first station to broadcast the program of said second station.

2,099,788
COOKING APPARATUS

Butler Ames, Boston, Mass.

Application July 10, 1935, Serial No. 30,667
5 Claims. (Cl. 53—5)

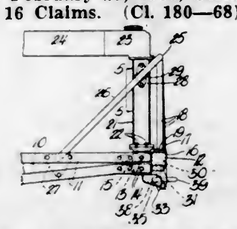


1. Cooking apparatus comprising a base member having a central opening and a continuous peripheral trough for holding a liquid, said trough being adapted to surround a source of heat, a dome-like closure having its rim disposed in said trough and defining an enclosure for the reception of the food to be cooked, means supported by said base member at points intermediate said opening and trough for supporting said food at a level above said opening, and a deflector plate disposed on one side of said opening and in spaced relation to the marginal portions surrounding said opening, thereby to provide a vent for said chamber leading to the vicinity of said source of heat.

2,099,789
FRONT END CONSTRUCTION FOR TRACTORS

David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and Norman O. Panzegrau, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application February 24, 1936, Serial No. 65,385
16 Claims. (Cl. 180—68)

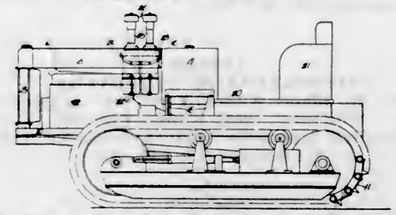


1. A front end construction for tractors comprising a pair of longitudinal main frame, spaced apart, side members, a transverse bolster connecting the front ends of said members, a radiator carried on the bolster, said bolster having a horizontal surface projecting forwardly of the radiator, a guard for the radiator mounted on said surface, the guard including a top piece the ends of which extend rearwardly and downwardly past the sides of the radiator near its upper end, said ends being connected to anchor brackets respectively secured to the main frame side members, and blocks mounted on each side of the radiator in which a portion of said ends is carried and to which they are respectively secured.

2,099,790
MOUNTING OF AUXILIARIES FOR TRACTOR ENGINES

David B. Baker, Riverside, Clifford R. Rogers, Oak Park, and Norman O. Panzegrau, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application May 16, 1936, Serial No. 80,054
20 Claims. (Cl. 180—54)



1. A mounting for air cleaners or the like for an engine having a longitudinal hood thereover, the mounting comprising a hollow bracket carried in the hood, and at least a pair of air cleaners supported side by side in said bracket, said cleaners having individual air inlet pipes and a common clean air outlet pipe leading from the bracket.

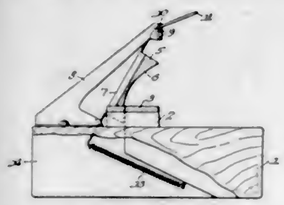
2,099,791
BLADE SHARPENING DEVICE

Guillaume Barsch, Paris, France, assignor to Industrie A. G. Allegro, Emmenbrucke, Switzerland

Application February 8, 1936, Serial No. 63,017
In Germany February 11, 1935
3 Claims. (Cl. 51—214)

1. A blade sharpening device comprising an element having a flat grinding surface, an element having a curved grinding surface, said

curved surface element being pivotally mounted for bodily swinging movement longitudinally of the grinding surface of said other element, and



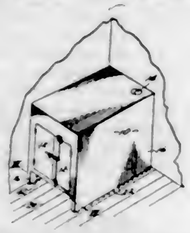
means to tend said curve-surfaced element to a predetermined position with respect to said flat-surfaced element.

2,099,792
ELECTRIC SOLDERING IRON
Charles Thomas Beadling, Canonsburg, Pa.
Application January 13, 1937, Serial No. 120,446
1 Claim. (Cl. 219—26)



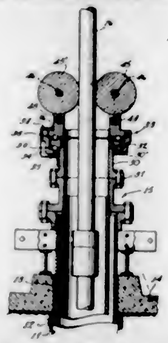
An electric soldering iron comprising a handle, a perforated tube having one end mounted in one end of the handle, a tubular container having internal and external threads at one end thereof and the outer end of the perforated tube being internally threaded to receive the external threads of said container, a plug in said end of the container and engaging the internal threads, a tip threaded to the outer end of the container, an electric heating element in the container, leads connected with the element and passing through the plug, conductors connected with the leads and passing through the perforated tube and the handle and heat insulating material in the perforated tube.

2,099,793
REFRIGERATOR STRUCTURE
Henry W. Blake, Kansas City, Mo., assignor to William F. Kirk, Kansas City, Mo.
Application September 23, 1935, Serial No. 41,729
2 Claims. (Cl. 220—18)



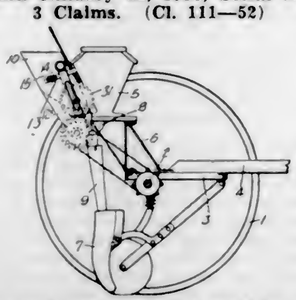
1. In a refrigerator of the character described and for the purpose specified, a case having a floor; depending walls along two opposed sides of said case extending below the floor whereby to permit positioning a truck thereunder when the case is resting upon said walls; and a plurality of spur assemblies on the lower edge of each wall respectively for precluding accidental movement of the refrigerator along the supporting surface, each comprising a yoke set into the wall, a spur element in screwthreaded engagement with the yoke, and a lock member confined within the yoke, adjustable to and from a position securing the spur element against movement, said yoke forming an opening extending transversely entirely through the said wall.

2,099,794
ORIENTING DEVICE FOR WELL TOOLS
Lynn F. Bonney, Los Angeles, and Robert B. Moran, La Canada, Calif.
Application August 3, 1936, Serial No. 94,036
12 Claims. (Cl. 255—1)



1. For use in orienting a drill pipe in a bore hole; a tubular head piece; means supporting said head piece near the mouth of the bore hole in substantially concentric relation therewith; a ring member mounted on said head piece for free rotation relative thereto; and drill pipe engaging means mounted on said ring member and adapted to frictionally engage a drill pipe passing therethrough, thereby interlocking said drill pipe and said ring member aganist relative rotation, said pipe engaging means being designed to permit the axial movement of said drill pipe through said ring member.

2,099,795
FERTILIZER SOWING ATTACHMENT FOR SEEDING MACHINES
Allan Moyer Buehler, Preston, Ontario, Canada, assignor to Eastern Steel Products Limited, Preston, Ontario, Canada, a company of Canada
Application January 31, 1936, Serial No. 61,786
3 Claims. (Cl. 111—52)



1. The combination with a seed hopper of a seed drill, of a fertilizer feed hopper, a bolt extending through the wall of the seed hopper into the fertilizer hopper at each end, a lug extending from the fertilizer feed hopper below each bolt against the wall of the seed hopper, and a longitudinally adjustable member secured to the fertilizer feed hopper above each bolt so as to bear at one end against the wall of the seed hopper.

2,099,796
CULTIVATOR SHOVEL
Harry Chibnik, Sioux Falls, S. Dak.
Application July 11, 1936, Serial No. 90,176
16 Claims. (Cl. 97—203)



1. In combination, a cultivator blade having an axially disposed reinforcing rib on its rear face; a mounting adapted to be secured to a cultivator and having an axially disposed groove in its front face receiving the rib; studs extending from the blade, opposite the groove; said groove having perforations therein for the reception of the studs, means on the studs for locking the plates together; and members on the studs of greater width than the perforations and of length equal to the depth of the groove.

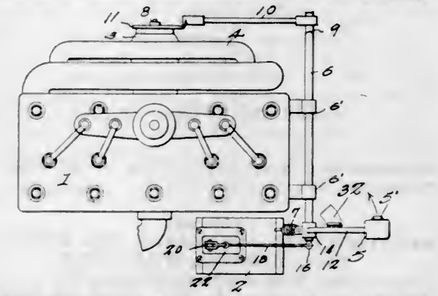
2,099,797
ELECTROLYTIC CONDENSER UNIT
Richard U. Clark, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Arizona
Application March 19, 1935, Serial No. 11,768
33 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a common filmed electrode, two other unfilmed electrodes disposed in spaced relation, one adjacent each end and in overlapping relation with said common filmed electrode, said electrodes being wound spirally in a single assembly to provide a plurality of capacitances, a continuous electrolyte disposed between said filmed and unfilmed electrodes, and an insulated area upon said common filmed electrode located opposite the space between the ends of said two unfilmed electrodes for limiting the electrolytic path between said electrodes to the overlapping areas thereof.

2,099,798
PEDAL MECHANISM
Douglas Collins, Salisbury, N. C.
Application September 13, 1933, Serial No. 689,317
6 Claims. (Cl. 123—179)

1. In combination with a throttle and starting motor for an internal combustion engine, a rock shaft, a pedal having a lever mounted to rock the shaft, a shank on the lever having a pivotal bearing on the rock shaft, operative connections between the shaft and throttle, and operative connections between the lever-shank and the starting motor.



2,099,799
CELLAR PIPE
John T. Corley, Providence, R. I.
Application July 19, 1934, Serial No. 735,957
6 Claims. (Cl. 299—73)

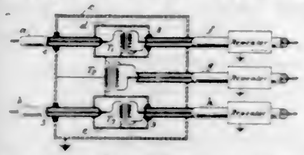


1. In a cellar pipe, a base, a nozzle carrier rotatably mounted therein, a nozzle swivelly mounted in said nozzle carrier and rotatable about an axis at right angles to the axis of rotation of the nozzle carrier, means for rotating said nozzle carrier and for swivelling said nozzle independently of the rotation thereof, and means for nullifying the reactive effect of fluid emerging from said nozzle, said latter means including a second nozzle secured to and oppositely directed to said first nozzle.

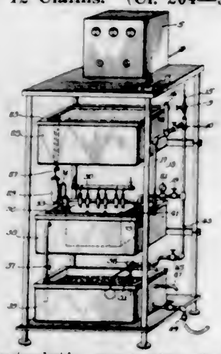
2,099,800
SHIELDED CIRCUITS FOR OPEN WIRE LINES
Lloyd Espenschied, Kew Gardens, N. Y., and Harold Everdell Curtis, East Orange, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application February 4, 1936, Serial No. 62,354
14 Claims. (Cl. 179—15)

1. In a transmission system, two coaxial conductor pairs, each serving as a separate physical transmission circuit, the outer conductors being insulated from the ground, a third transmission circuit comprising the outer conductors of the two coaxial conductor pairs, means for separating messages over the three circuits from each other, said means including a transformer for each co-

axial pair, means for connecting each outer conductor through a winding, and a secondary winding associated with said winding for picking up messages from the third circuit.

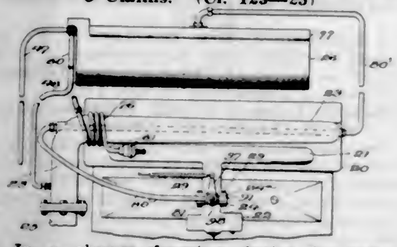


2,099,801
ELECTROLYTIC APPARATUS FOR PREPARING CHEMICAL SOLUTIONS
Roy Blair Everson, Chicago, Ill.
Application October 11, 1934, Serial No. 747,816
12 Claims. (Cl. 204—59)



1. An electrolytic apparatus for preparing a chemical solution comprising in combination a raw electrolyte preparation tank, means for conveying electrolyte prepared therein to an electrolytic cell, said electrolytic cell being disposed within a second tank in such a manner as to be surrounded by an appreciable quantity of water continuously being supplied to said second named tank, means attached to said electrolytic unit adapted to convey off the products of electrolysis, said means being also adapted to convey said products of electrolysis into the water of said second named tank, means for drawing solution from said second named tank and conveying it to a third tank, said third named tank being continuously supplied with water up to a constant level for the purpose of further diluting the solution drawn off from the second named tank.

2,099,802
FUEL RECLAIMING DEVICE
Herbert O. Ewing, Middleport, Ohio
Application March 17, 1936, Serial No. 69,374
5 Claims. (Cl. 123—25)



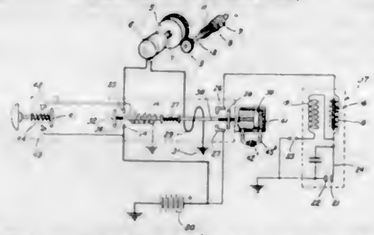
1. In a charge forming device for internal combustion engines, means for diverting a portion of the engine's exhaust gas, means for mixing air with the diverted exhaust gas, means for supplying moisture to the diverted exhaust gas, means for removing excess moisture from the diverted exhaust gas, means for heating the diverted exhaust gas subsequent to supplying the moisture, and means for mixing the diverted exhaust gas with a fresh fuel charge in proper proportions to produce an explosive charge, the explosive charge being directed into the engine intake manifold.

2,099,803
METHOD FOR MAKING GAUGES
Thomas M. Eynon, Philadelphia, Pa.
Application March 5, 1937, Serial No. 129,123
2 Claims. (Cl. 29—163.5)



2. The method of making a gauge which consists in cutting a piece of tubing at predetermined points to produce partly detached bands of predetermined widths and bending one edge of each of said bands against the opposite wall of said tubing to form pockets all facing in the same direction adapted to receive and retain the liquid.

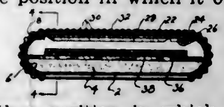
2,099,804
ENGINE STARTING MECHANISM
Martin J. Finnegan, New York, N. Y., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 11, 1936, Serial No. 79,202
7 Claims. (Cl. 290—38)



3. The combination with an inertia starting mechanism and ignition current supply means including a source of current for supplying ignition current to the engine, an electric motor for energizing said inertia starting mechanism, an electromagnet controlling operation of said ignition current supply means, and means for causing current to flow from said source to said motor and electromagnet in sequence.

2,099,805
CONTAINER
Irving Florman, New York, N. Y.
Original application November 16, 1934, Serial No. 753,396. Divided and this application January 18, 1935, Serial No. 2,442
4 Claims. (Cl. 206—37)

1. A container comprising a bottom wall, side walls, and end walls, said container having an opening in its top, a cover hinged along one edge of said opening fitting within and substantially closing the opening, spring means normally urging said cover to swing to open position, a unitary flexible closure member of greater length than the length of said cover, and endless means on said container for guiding said closure member to slide from one position in which it overlies said



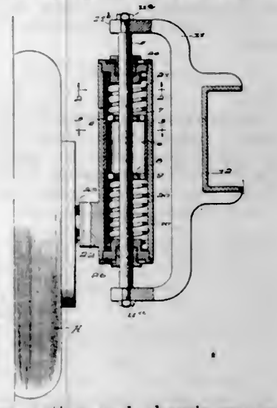
cover to another position in which said cover is free for movement to open position and for guiding said closure member for continuous and reciprocatory movement along its entire outer edges.

2,099,806
METHOD OF FORMING A POPGUN BARREL
John Gora, Wyandotte, Mich., assignor to All Metal Products Company, Wyandotte, Mich., a corporation of Michigan
Application August 14, 1935, Serial No. 36,077
4 Claims. (Cl. 113—116)



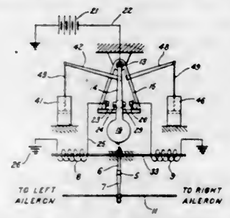
1. A method of forming a popgun barrel consisting in stamping a blank with parallel edges from a sheet of metal, beveling the parallel edges through a minor portion of their length, rolling the parallel edges inwardly to the center of the sheet and forming a raised rib in the center of the sheet, forming a shoulder on each side of the raised rib and seating the beveled edges of the barrel tightly on said shoulders to form compression chambers and shaping one end of the blank to provide parallel guide channels extending in spaced parallel relation on the underside of the formed barrels.

2,099,807
KNEE ACTION AND CHASSIS SUSPENSION FOR AUTOMOBILES
Warren B. Gregory, Hurtsboro, Ala.
Application June 17, 1936, Serial No. 85,803
6 Claims. (Cl. 280—96.2)



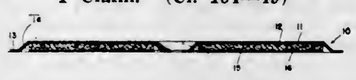
1. In knee action and chassis suspension for automobiles, a bracket adapted to be attached to the chassis of an automobile including a vertically disposed rod carried thereby, a cylinder mounted on said rod for vertical reciprocation and rotation, a piston on said rod on which the cylinder reciprocates and rotates, heads in the ends of the cylinder through which the rod projects, means between one head of the cylinder and the piston for yieldingly supporting the said cylinder, means between the other head of the cylinder and the said piston for checking the rebound of the chassis, steering mechanism associated with the cylinder, and a wheel mounting rigidly attached to the cylinder.

2,099,808
AIRCRAFT
Clinton H. Havill, South Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 7, 1936, Serial No. 57,979
3 Claims. (Cl. 244—77)



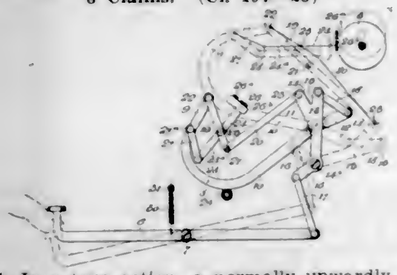
1. In an aircraft of the type in which ailerons are employed as the means of controlling the position of the transverse axis of the craft, the combination with said ailerons of electromagnetic actuating means therefor, a switch controlling energization of said electromagnetic means, means including inter-engaging pendulous bodies for operating said switch in response to a departure of the craft from its normal flying attitude, and separately regulable dashpot means individual to each of said pendulous means to damp the movements thereof.

2,099,809
FLOOR COVERING
Gerald G. Hunter, Harry M. Pryale, and Samuel C. Clark, Pontiac, Mich., assignors to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application November 11, 1935, Serial No. 49,312
1 Claim. (Cl. 154—49)



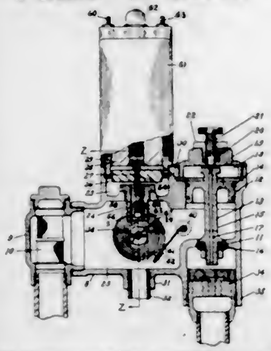
A floor mat having a layer of fibrous material of predetermined area, an elastic base layer including rubber secured to and coextensive with one face of the layer of fibrous material, said base layer constituting the floor engaging surface, and a preformed cover of wear-resisting material of uniform thickness and of greater area than the layer of fibrous material secured to the other face of the layer of fibrous material and having marginal portions free of the fibrous material and base layer extending downwardly beyond the upper edges of the layer of fibrous material for surface engagement with the floor at points substantially in a horizontal plane with but spaced from the lower edges of the base layer.

2,099,810
TYPEWRITING MACHINE
Seyed Khalil, New York, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application April 6, 1936, Serial No. 73,023
8 Claims. (Cl. 197—25)



1. In a type action, a normally upwardly extending type bar, a key lever, and connections between the type bar and the key lever for raising and moving the type bar rearwardly into a horizontal printing position, said connections including a supporting lever, an intermediate lever, and a toggle connecting the supporting lever and the intermediate lever and having pivotal connection with the type bar.

2,099,811
FLUID-THERMO-VALVE
Joseph Marion King, Detroit, Mich.
Application September 2, 1931, Serial No. 560,856
2 Claims. (Cl. 236—84)

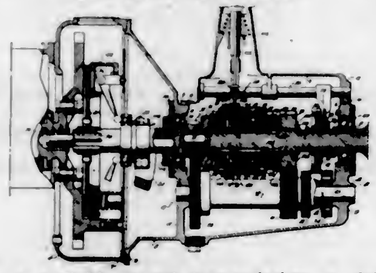


1. A fluid thermo-valve comprising a unit body having an inlet, an outlet, and an outlet valve, the said unit body having therein an occluded housing having therein an electric switch, the said unit body having therein a magnet adapted to cause operation of said outlet valve, the said switch and magnet being in series in an electric circuit, the said unit body having therein a thermostatic element mechanically connected to operate said switch.

2,099,812
MANUFACTURE OF SHAPED PRODUCTS IMPERMEABLE TO MOISTURE
Walter König, Wiesbaden, Germany, assignor to Rudolph Koepp & Co. Chemische Fabrik A. G., Oestrich in Rheingau, Germany, a German company
No Drawing. Application September 8, 1936, Serial No. 99,849. In Germany September 30, 1935
1 Claim. (Cl. 91—68)

A process for the manufacture of shaped products impermeable to moisture from cellulose formate and derivatives of cellulose formate, which consists in coating the shaped products with a varnish, which contains water-repelling substances and formic acid.

2,099,813
DRIVING MECHANISM
Raymond P. Lansing, Montclair, N. J.
Application April 28, 1931, Serial No. 533,564
1 Claim. (Cl. 74—370)

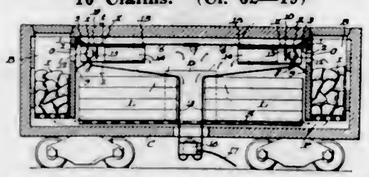


In a variable speed transmission, a driving shaft, a driven shaft, means including a set of interengaging friction plates for connecting the shafts in a high speed ratio, means for connecting the shafts in a lower speed ratio, said connecting means being selective, manually operable means for disconnecting the friction plates from the driving shaft, slidable means operatively connected to the driven shaft, and associated with the manually operable means, to connect the shafts through the lower speed ratio and means including a torque responsive screw for controlling the engaging pressure acting upon said friction plates.

2,099,814
PREPARATION OF ISOPROPYL SULPHATES
Arthur Whitney Larchar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 7, 1933, Serial No. 701,337
6 Claims. (Cl. 260—99.12)

1. Process for the preparation of a mixture comprising monoisopropyl sulphate with a small amount of diisopropyl sulphate comprising contacting, with agitation propylene in the liquid state at 0–30° C. with sulphuric acid at 87.5–93% concentration.

2,099,815
PRECOOLING APPARATUS
James R. Lewis, Sidney Perkins, and Fitz J. Lewis, Hammond, La., assignors, by mesne assignments, to Vance M. Thompson, McCrory, Ark.
Application May 9, 1936, Serial No. 78,914
10 Claims. (Cl. 62—19)



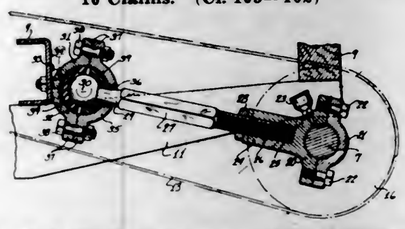
3. Pre-cooling apparatus including support engaging couplings, having depending portions, a track element having ends for engagement with said portions, said element including tension means for maintaining the ends thereof in engagement with the depending portions while said element is under tension but for releasing said ends for gravitation from said portions when tension is relieved, and air forcing means detachably carried by and movable along said element, said means including a tube, a blower therein, means for directing air into one end of the tube, and a distributing duct leading from the other end thereof.

2,099,816
BRAKE FOR TRAILERS
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application February 29, 1936, Serial No. 66,347
6 Claims. (Cl. 188—142)



1. A combination draft hitch and brake applying device for trailing vehicles comprising in combination with the vehicle, a draft structure connected to the vehicle and extending forwardly therefrom, a draft member telescopically mounted with respect to said draft structure, a brake operating member pivoted on a transverse axis on the draft structure, a brake operating element connected to said member and to the brakes of the vehicle, a link pivoted to said member and to the draft member, a retaining member pivoted to the brake operating member at a point spaced from its pivot point on the draft structure, a bracket mounted on the draft structure provided with an opening through which the retaining member slidably extends, and a compression spring abutting the bracket and a stop on the retaining member whereby pressure exerted by the spring maintains the draft element in extended position until a predetermined over-run pressure as controlled by the spring pressure is exerted in a forward direction.

2,099,817
VEHICLE BEARING
Charles G. Mahana, Three Rivers, Mich., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application April 14, 1934, Serial No. 720,537
10 Claims. (Cl. 105—102)



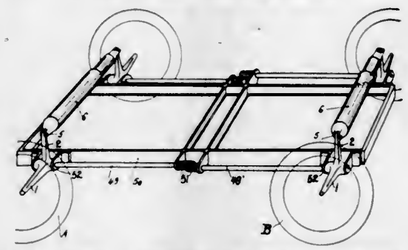
2. In a railway motor car, a flexible power transmission element, a drive axle, a driven element carried by the axle, means for adjusting the tension of the transmission element, an axle-steadying bearing on the axle near the driven element, an arm projecting forwardly of the axle and connected to said bearing near the rear end of the arm, a pivoted joint at the forward end of the arm, means, including said joint, for anchoring the forward end of the arm to a portion of the car frame, and means for adjusting the effective length of the arm without affecting the adjustment of said transmission element.

2,099,818
STATIC LIMITING DEVICE
David G. McCaa, Lancaster, Pa., assignor to Alan N. Mann, Scarsdale, N. Y., as trustee
Application December 2, 1935, Serial No. 52,523
10 Claims. (Cl. 250—20)



1. In a static limiting system, a thermionic tube having a grid, an input circuit including said grid and an output circuit; a resistance connected to said output circuit; means for limiting the maximum current in said output circuit to a sharply defined and substantially constant value in spite of increasing positive voltages applied to said grid; a loading tube effectively connected across said resistance, and means biasing said loading tube so that said loading tube will become conductive as the voltage applied to said grid is made less positive whereby said loading tube will limit the minimum value of current in said output circuit to a substantially constant value in spite of increasing negative voltages applied to said grid.

2,099,819
VEHICLE SUSPENSION
Pierre Ernest Mercier, Paris, France
Application March 9, 1935, Serial No. 10,268
In France March 10, 1934
11 Claims. (Cl. 280—104)

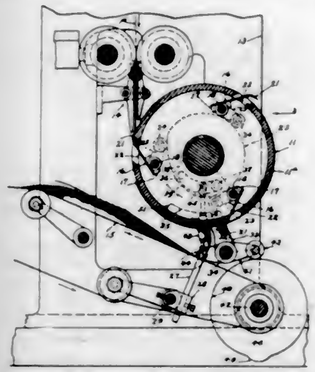


1. A vehicle comprising a chassis, wheels located on each longitudinal side of the chassis, means for suspending the chassis on the wheels, resilient reaction means capable of resilient reactions connected to said suspension means, and means comprising mechanical transmissions for interconnecting the resilient reaction means of a plurality of wheels located on the same side of the chassis, these mechanical transmissions comprising torsion rods coupled by gearing in order to interconnect the resilient reactions occurring on each side of said chassis.

2,099,820
DELIVERY MECHANISM FOR PRINTING MACHINES
Joseph E. Meyer, Jackson Heights, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application November 15, 1933, Serial No. 698,083
19 Claims. (Cl. 93—93)

1. In a delivery mechanism for a printing machine, a cylinder having grippers for handling cut

products, means for operating the grippers, a conveyor to receive the products, a stop located to strip the products from the cylinder and position



same on the conveyor when released by the grippers, a second stop, and means for opening the grippers prematurely as certain of said products are stripped by the second stop.

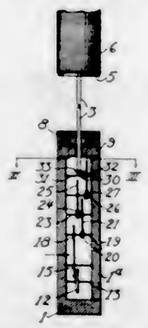
2,099,821

POWER CLOCK OF SMALL DIAMETER

Thomas V. Moore, La Porte, and Winfield C. Landry, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 20, 1934, Serial No. 753,814

2 Claims. (Cl. 185—40)



1. A clock-work mechanism for use in deep well instruments including a housing carrying rotatably a driving shaft, a main spring in the housing secured to the shaft coiled in a plane perpendicular to the longitudinal axis of the housing, a train of gears and pinions of varying sizes and an escapement operatively connected with the shaft, the shafts of the train of gears and escapement being disposed perpendicularly to the longitudinal axis of the housing and in a plane of the longitudinal axis of the housing, a balance wheel, and a pallet fork operatively connected to the escapement and balance wheel, the balance wheel and fork being mounted for oscillation on shafts parallel with the gear shafts whereby the internal diameter of the housing can be of a size only sufficiently larger than the diameter of the largest gear to permit of rotation of the train of gears.

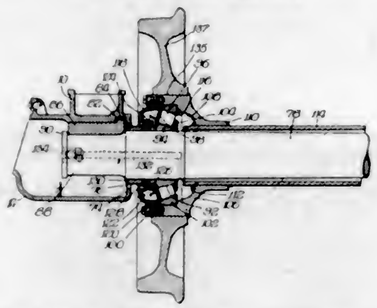
2,099,822

WHEEL AND AXLE ASSEMBLY

Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application October 9, 1933, Serial No. 692,739

6 Claims. (Cl. 295—36)



4. An axle for a wheel and axle assembly, comprising a centrally disposed tubular member of substantially uniform wall thickness throughout its entire length, a bearing housing disposed at each end of said member, each of said housings having a hub fitting over an end of said member, said housings having a cupped portion disposed adjacent the hub thereof, the ends of said tubular member extending outwardly of the outer end of said hubs to provide lubricant reservoirs of said cupped portions, and a weld of greater diameter than said tubular member and disposed on the outer surface thereof at the outer end of said hubs for securing said housings to said member.

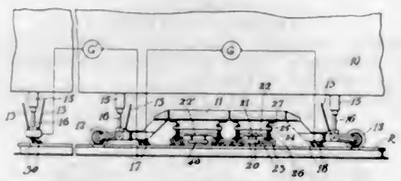
2,099,823

RAIL FLAW DETECTOR MECHANISM

Walter M. Perry, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application May 20, 1936, Serial No. 80,747

4 Claims. (Cl. 175—183)



1. In a rail flaw detector mechanism, means for energizing the rail with flux, means responsive to variations in flux, and a magnetic conductor positioned adjacent the rail and in advance of said responsive means.

2,099,824

APPARATUS FOR PURIFYING OIL

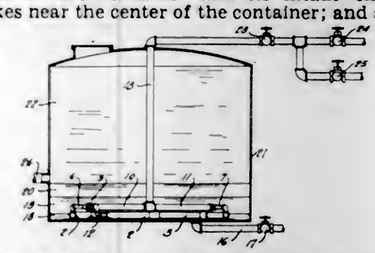
Charles R. Reeves and Cecil R. Gentry, Oklahoma City, Okla.

Application November 30, 1936, Serial No. 113,302

3 Claims. (Cl. 196—46)

1. An apparatus for treating oil comprising a cylindrical container having a closure; a plurality of injectors adjustably secured adjacent the container bottom, each being so positioned that its discharge end discharges along the side

wall of the container and its intake end intakes near the center of the container; and a plu-



rality of feeder pipes connecting the injectors to a controlled source of supply.

2,099,825

OIL BASE HYDRATABLE DRILLING FLUID

Ferdinand W. Rolshausen and Sam L. Bishkin, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 19, 1935, Serial No. 17,272

6 Claims. (Cl. 255—1)

1. A drilling fluid, comprising an oil, a weighting material, and a water-insoluble soap.

2,099,826

INSECTICIDE

Paul S. Schaffer and Herbert L. J. Haller, Washington, D. C., dedicated to the free use of the People of the United States of America

No Drawing. Application July 22, 1937, Serial No. 155,024

2 Claims. (Cl. 167—33)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient a dialkylacridan.

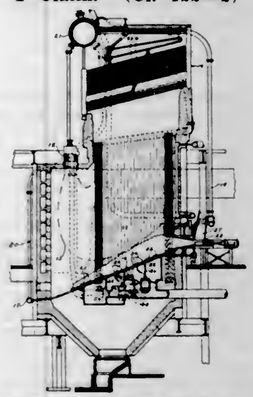
2,099,827

WET REFUSE BURNING GRATE

Louis J. Schrenk, Detroit, Mich.

Application May 25, 1935, Serial No. 23,433

1 Claim. (Cl. 122—2)



In a refuse burning boiler and furnace installation having a boiler, a combustion chamber, an inclined perforate hearth in said chamber, means for feeding refuse to the hearth and means for supplying air under pressure through the hearth and the bed of refuse thereon; a plurality of pivoted agitators interposed in the hearth and operable to advance the fuel therealong, said agitators each having fuel contacting surfaces including a plurality of plates disposed horizontally and arranged in overlapped relation with their adjacent ends spaced to form a plurality of air passages inclined relatively to the surface of said hearth for directing air flowing through said passages under pressure in such manner as to assist in moving the fuel along the hearth.

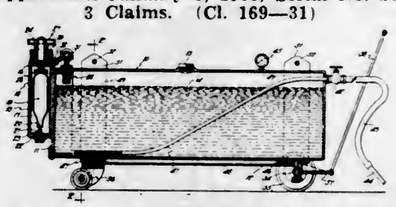
2,099,828

PORTABLE FIRE EXTINGUISHER

Jay Lawrence Seat, Fairfield, Conn.

Application January 3, 1935, Serial No. 200

3 Claims. (Cl. 169—31)



1. In a portable wheel type fire extinguisher, a horizontally disposed tank adapted to be mounted on a wheel chassis, a pressure cartridge compartment disposed beyond one end of said tank and having an opening in the top thereof for the insertion of a puncturable pressure cartridge thereinto, a discharge outlet at the other end of said tank, means within said cartridge compartment for slidably supporting a pressure cartridge in a vertical position, a piercing member extending upwardly from the bottom of said compartment, a communicating passage between the top of said tank and the top of said cartridge compartment, a screw plug threaded into the open top of said cartridge compartment, and manipulative means mounted in said screw plug and manually operable for slidably forcing a pressure cartridge into puncturing engagement with said piercing member whereby to release the pressure contents thereof for passage from said compartment to the top of said tank.

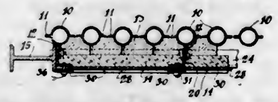
2,099,829

CASING WALL CONSTRUCTION FOR BOILERS

Alfred R. Smith, Forest Hills, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.

Application July 23, 1936, Serial No. 92,075

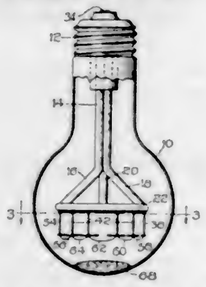
1 Claim. (Cl. 122—235)



In a boiler or the like having a wall including a row of fluid circulating tubes; a plurality of angle irons spaced at intervals along said wall with one leg of each angle iron disposed in a common plane parallel to the plane of the outer surface of said wall and the other leg of each angle iron extending toward one of said tubes; members attached to certain of said tubes located at intervals along said wall corresponding to the spacing of said angle irons and projecting outwardly therefrom toward the latter; means connecting the projecting members on said certain tubes to the inwardly extending legs of correspondingly positioned angle irons for supporting

the latter; a plurality of series of aligned angle irons spanning the intervals between said first mentioned angle irons and each disposed with one leg thereof flush with the coplanar legs of said first mentioned angle irons; panels covering the areas between and defined by contiguous portions of said angle irons; and means fastening said panels to said angle irons.

2,099,830
LAMP
Samuel Stahl, Chicago, Ill.
Application February 18, 1935, Serial No. 6,955
7 Claims. (Cl. 176—1)



1. In a metal vapor arc lamp, a bulb, a metal filling in said bulb, stationary terminals in said bulb for maintaining a plurality of arcs arranged in series, and shunt heating resistances for each arc, one of said heating resistances being of higher resistance than any of the rest.

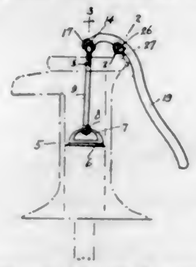
2,099,831
CONNECTER FOR V-BELTS
Wellington P. Taber, West Warwick, R. I.
Application February 11, 1936, Serial No. 63,358
6 Claims. (Cl. 24—33)



6. A connecter for a belt of frustro-pyramidal cross-section comprising a clamp for each end of the belt having jaws engaging the top and bottom surfaces of the end portions of the belt and leaving the tapering surfaces free, each of said clamps having a slot and spaced resilient bearings with a constricted opening thereto, a connecting link in said slots provided with flat surfaces for engaging the opposite edges of the slot, said link being provided with spaced openings completely surrounded by stock, and pins in said link openings having a central larger portion providing shoulders, said shoulders engaging the edges of said slots to prevent axial movement thereof when in one position relative thereto, and said pins being of a size to snap through said constricted openings by reason of the resilience of said bearings to be detachably secured in said bearings.

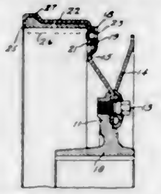
2,099,832
PUMP HANDLE STRUCTURE
Valley A. Thomas, Manila, Ark.
Application July 10, 1936, Serial No. 89,975
3 Claims. (Cl. 103—215)

1. In combination, a support, a hollow pump handle, a ball bearing including an outer race mounted in an opening formed in the underside of said pump handle intermediate its ends, said ball bearing further comprising an inner race and balls disposed between the inner and outer



races, said bearing having a portion depending below said pump handle, a pivot on said support supportably traversing said inner race and mounting said pump handle on said support.

2,099,833
BRAKE DRUM CONSTRUCTION
Andrew S. Van Halteren, Akron, Ohio, assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 13, 1934, Serial No. 739,627
10 Claims. (Cl. 188—218)

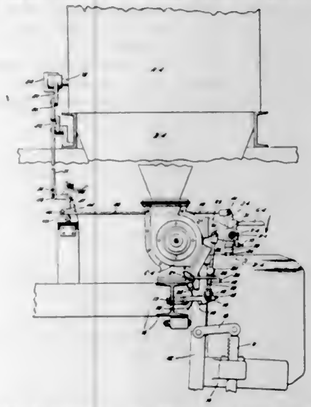


1. In a wheel construction, a rotatable hub member, a brake drum mounted on the hub member, said drum including a back portion and a ring portion, and an expansion member connected to the back portion and ring to join the two together, said expansion member having a higher coefficient of expansion than either the ring or back portion.

2,099,834
PACKAGE FILLING MACHINE
Arno Andreas, Munster, Germany, assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application March 16, 1932, Serial No. 599,150
5 Claims. (Cl. 226—48)

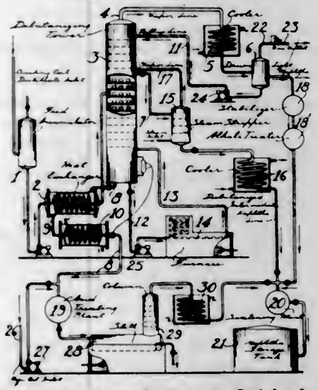
4. In a package filling machine, a plurality of units each including a receptacle for weighing and discharging materials, means to support and discharge a package, and means to guide weighed material from the receptacle to the package, means to prevent discharge of material from the receptacle irrespective of operation of the weighing mechanism, means for releasing said discharge preventing means, means engaging said releasing means for preventing operation of said releasing means until a predetermined amount of material has been weighed, and unitary means having an interconnection with said releasing means in one unit and an interconnection with the package supporting and discharging means in another unit for causing operation of both said package discharging means and said releasing

means, the interconnection between said unitary means and said releasing means providing for



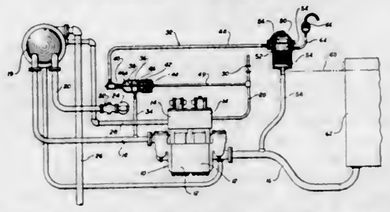
complete actuation of said package discharging means prior to actuation of said releasing means.

2,099,835
PROCESS OF PRODUCING GASOLINE FROM CRACKED NAPHTHA
Edwin H. Barlow, Hillside, Amiot P. Hewlett, Cranford, and Paul E. Kuhl, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application September 2, 1933, Serial No. 688,046
1 Claim. (Cl. 196—23)



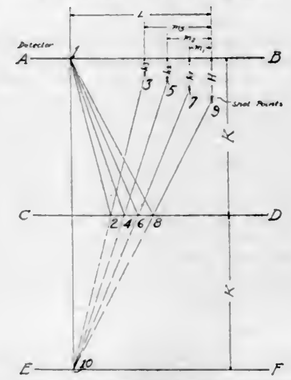
The method of producing a finished gasoline from a cracked naphtha having a sulfur content of at least 0.12 which comprises fractionating it to remove any gas and to obtain three liquid portions, namely, a light portion having a final boiling point (Engler) of about 270° F. greatly susceptible to sulfur reduction by alkali treatment, an intermediate portion having a final boiling point (Engler) of about 315° F. only slightly susceptible to sulfur reduction by alkali treatment and greatly susceptible to sulfur reduction by treatment with sulfuric acid but also susceptible to large losses by acid treatment, and a heavy portion greatly susceptible to sulfur reduction by acid treatment with only slight treating losses, separately stabilizing the light naphtha portion and treating it with alkali, separately treating the heavy naphtha portion with sulfuric acid and redistilling it to remove polymers, blending the treated light naphtha portion and the treated heavy naphtha portion with the untreated intermediate portion and doctor sweetening the blend to obtain a finished gasoline.

2,099,836
COMPOUND FEEDER
Philip D. Blanchard, Hammond, Ind., and Charles R. Hardy, Mount Vernon, N. Y., assignors to The Superheater Company, New York, N. Y.
Application October 26, 1933, Serial No. 695,258
5 Claims. (Cl. 210—29)



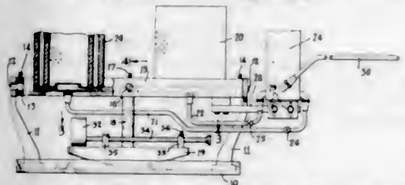
1. The combination of a boiler feed pump, a source of supply therefor, and a compound feeding means associated therewith, said feeding means having a chamber for containing compound lying above the maximum level of said source of supply, and a conduit connecting the high pressure side of said pump to the low pressure side thereof in which said chamber is included for circulating feed water through the latter to prepare a water treating solution.

2,099,837
SEISMIC REFLECTION METHOD
Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1933, Serial No. 704,800
7 Claims. (Cl. 181—0.5)



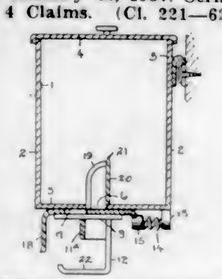
1. In geophysical prospecting, the steps which comprise creating a source of seismic waves at the surface of the earth, detecting the arrival of direct and reflected waves at spaced points along the surface of the earth substantially aligned with the source, and spacing the detectors vertically in the earth in positions determined by the horizontal distances between the detectors, by the distance from the shot-point, and by the depth and dip of the reflecting layer until they detect the arrival of the reflected waves from a given subsurface stratum simultaneously.

2,099,838
OIL BURNER MOUNTING FOR MARINE USE
Charles O. Carlson, Staten Island, N. Y.
Application June 12, 1936, Serial No. 84,823
5 Claims. (Cl. 126—24)



1. An oil burner and mounting therefor, for marine use, comprising a burner plate having burner means carried thereby and including a gimbal mounting for said burner plate cooperating with counterweight means below the burner plate to maintain the burner plate level upon pitching and rolling, said counterweight means including supplemental counterweight means associated with the aforesaid counterweight for initially bringing the burner plate to a level condition.

2,099,839
DISPENSING DEVICE
Phillip M. Chernoff, Middletown, Conn.
Application January 22, 1937, Serial No. 121,881
4 Claims. (Cl. 221—62)



1. A dispensing device comprising a container, a valve device for controlling delivery of the contents from the container, said container being provided with an outlet opening; said valve device having a frame formed with guide members and a guard arranged to register with the outlet opening, a slide member moving in the guides and having an opening designed to register with the outlet opening and a closure portion arranged to close said outlet opening, a spring member arranged between the frame and the slide member for normally holding the slide member in closing position, the guard member having an elongated side forming a guide, and bent at its free end to form a trough for catching excess or spilled material from the container.

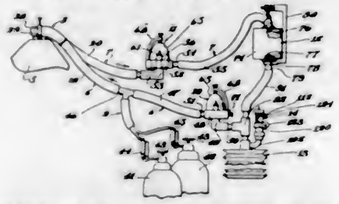
2,099,840
PUMP
Walter L. Church, Houston, Tex.
Application August 3, 1934, Serial No. 738,268
3 Claims. (Cl. 103—181)

1. In a pump, a working barrel, means for anchoring the barrel in a pump tubing, an upwardly opening standing valve controlling the flow of liquid through said barrel, a traveling barrel telescoping over the working barrel and in close frictional contact therewith, a nut threaded into the upper end of the working barrel and having an axial bearing and a vertical side groove which merges into said bearing, a traveling valve on the traveling barrel, a sucker rod connected to the traveling barrel for reciprocating the same, a valve body connected to the upper end of the traveling barrel, said body also forming impact means operable against said nut upon downward movement of the sucker rod to drive the working barrel downwardly, a rod attached to the body and working through said bearing, a



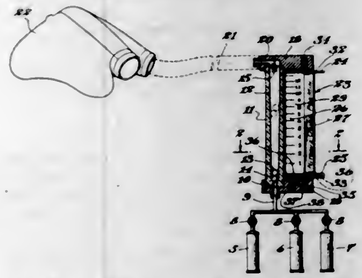
head on the lower end of said rod, a spline on the rod adjacent said head, said spline being engageable against the lower end of the nut when the rod is in one position, and being movable through said groove when the rod is in another position, said head and nut constituting impact means, upon upward movement of the rod, for driving the working barrel upwardly upon such upward movement.

2,099,841
APPARATUS FOR THE ADMINISTRATION OF GASES
Karl Connell, Branch, N. Y.
Application September 5, 1936, Serial No. 99,588
19 Claims. (Cl. 128—191)



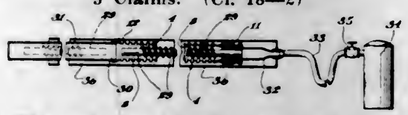
1. Apparatus for the administration of gases, comprising a breathing member, a plurality of conduits, an element adapted to connect said breathing member with said conduits and having a passageway therein which extends from said breathing member and which terminates in an interior opening and also having a resilient wall portion opposite said opening and movable toward the same, means providing a surface which will close said opening when said wall portion is moved inwardly, a flow-control means in one of said conduits for permitting gaseous flow away from said breathing member and preventing flow toward said breathing member, gas-absorption means at the end of said conduit, flow-control means in the other of said conduits for permitting flow of gas to said breathing member and normally preventing flow of gas away from said breathing member, means connecting said gas-absorption means with said other of said conduits, each of said flow-control means comprising an annular valve seat and a disk-like flutter valve composed of rubber and adapted to engage said seat and to yield when drawn or pressed against the same and carrying a central slide ring engaging a guide rod, transparent means to house each of said flutter valves, adjustable means operative upon the flow-control means in said other of said conduits to cause gas to pass both to and from said breathing member thru said other of said conduits, means to releasably maintain said absorption means in place, an expansible chamber connected with said other of said conduits, escape means for said expansible means, gravity means to control said escape means, and means to adjust said gravity means.

2,099,842
GAS FLOW MEANS FOR ANESTHETIC APPARATUS AND THE LIKE
Karl Connell, Branch, N. Y.
Application November 16, 1936, Serial No. 111,027
4 Claims. (Cl. 73—198)



1. Gas-flow means comprising a plurality of sources of gas under pressure, a flow gage, means for connecting said sources to said flow gage, means for controlling the flow of gas from said sources so that gas of a certain character will be flowing thru said gage at one time and gas of another character will be flowing thru said gage at another time, a scale unit rotatably mounted adjacent said gage and carrying a plurality of scales each movable by the rotation of said unit into a position substantially perpendicular to the side of said gage and with its edge in close proximity to said side, each of said scales being calibrated for the direct reading of the flow of gas of one of said characters, and said control means being adapted for the regulation of the amount of flow of the flowing gas, and means to releasably retain said unit in position for the easy viewing of the scale corresponding to the flowing gas.

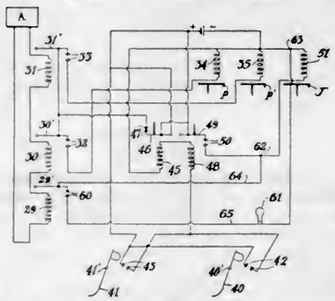
2,099,843
METHOD AND MEANS FOR THE FORMATION OF BREATHING TUBES AND THE LIKE
Karl Connell, Branch, N. Y.
Original application October 5, 1935, Serial No. 43,650. Divided and this application January 7, 1937, Serial No. 119,384
5 Claims. (Cl. 18—2)



1. The method of forming breathing tubes and the like which comprises molding and curing an expansible tube on a mandril, providing an expansion chamber including a container of sufficient capacity to receive the mandril, the end of said container being inserted between the tube and the mandril at one end thereof, introducing fluid pressure between the tube and the mandril to expand the tube beyond the mandril, removing the mandril into said container, and releasing the fluid pressure to collapse the tube.

4. Apparatus for the formation of breathing tubes and the like comprising a mandril, a container for the mandril of sufficient size to receive the mandril and having an end adapted to be inserted between one end of the mandril and of an expansible tube formed thereon to provide a closure at said end, means to provide a substantial closure at the other end of the mandril and tube, means to deliver fluid pressure between said tube and said mandril, and a jacket about said mandril to prevent undue expansion of said tube, said jacket having a length greater than the mandril.

2,099,844
FLAW DETECTOR MECHANISM
Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application November 17, 1933, Serial No. 698,399
4 Claims. (Cl. 177—311)

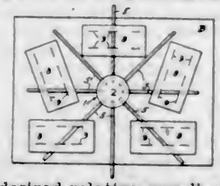


1. In a rail flaw detector mechanism, means responsive to flaws, a plurality of indicating means, means whereby said indicating means are actuated by said responsive means, means whereby one of said indicating means is normally conditioned to be operated and the other of said indicating means is normally conditioned not to be operated, means actuated by the rail joint, a rail joint indicator, means whereby said rail joint indicator is actuated by said rail-joint-actuated means, means whereby said rail-joint-actuated means conditions said first indicating means not to be operated when said responsive means passes over a rail joint, and means whereby said second indicating means is conditioned to be operated when said rail joint indicator is actuated.

2,099,845
APPARATUS FOR MOUNTING PRINTS AND THE LIKE
Bernard R. Dutcher, Bogota, N. J.
Application September 18, 1935, Serial No. 41,040
11 Claims. (Cl. 33—174)

1. An apparatus for assisting in mounting separate plural prints upon a sheet, said apparatus comprising means providing a relatively stiff bodily movable contour outline of each of the plural prints distinct from the prints; and means for mechanically bodily adjusting each stiff outline as a whole in distance apart relative to each other outline and adjusting each outline angularly independently of said adjustment in distance

and securing them in temporarily fixed relation with the major portion of each outline remote from exterior structure for coordinating said out-



lines in the desired relative coordinated positions of the prints one to another and maintaining said stiff outlines in said relative positions.

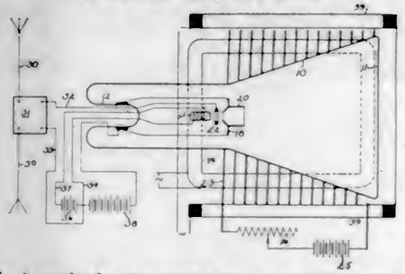
2,099,846

THERMIONIC OSCILLOGRAPH

Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California

Application June 14, 1930, Serial No. 461,111

8 Claims. (Cl. 250—27.5)



6. A cathode ray apparatus comprising means for generating a slightly divergent pencil of cathode rays, a screen positioned to receive said rays and adapted to show a visible trace thereof, and means for establishing a magnetic field substantially parallel to the path of said rays and adapted to reconverge said rays to a focus substantially in the plane of said screen.

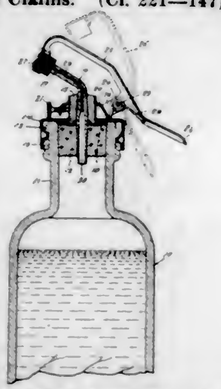
2,099,847

DISPENSING APPARATUS

Charles L. Gebauer, Cleveland, and William H. Brown, Bedford, Ohio, assignors to The Gebauer Chemical Company, Cleveland, Ohio, a corporation of Ohio

Application May 12, 1936, Serial No. 79,320

4 Claims. (Cl. 221—147)



3. In a device for dispensing volatile liquid in predetermined quantity, receptacle means for containing such liquid, closure means for normally preventing escape of any fluid from said receptacle means, means for segregating adjacent said closure a predetermined quantity of liquid from the main body thereof in said receptacle means, and means for opening said closure whereby such segregated liquid may be ejected from said receptacle means under the force of the vapor pressure of such volatile liquid.

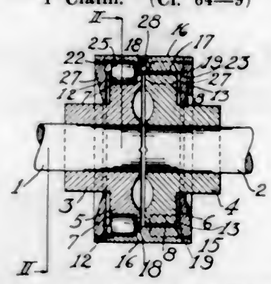
2,099,848

FLEXIBLE COUPLING FOR POWER DRIVE

Adolph F. Grodhaus, Baytown, Tex.

Application August 17, 1935, Serial No. 36,642

1 Claim. (Cl. 64—9)



A coupling comprising hubs respectively attached to the opposed ends of two shafts, each hub having a plurality of grooves spaced peripherally around an annular shoulder on said hub, a one piece annular sleeve encircling the hub shoulders, and having an internal diameter greater than the external diameters of the hub shoulders, a series of spaced grooves upon the inner surface of one end of said sleeve and extending inwardly to a point adjacent the center of the sleeve body, a series of identical grooves upon the inner surface of the other end of the sleeve disposed in staggered and overlapping relation to said first series, whereby an annular rib is formed, midway of the inner surface of the sleeve, and a plurality of staggered ribs extending longitudinally therefrom toward the ends of the sleeve, the grooves of each hub, when aligned with the grooves in the sleeve, forming a plurality of pockets in staggered and overlapping opposition, bearings of smaller diameter than the pockets disposed therein for driving engagement with the walls of the pockets and permitting lateral misalignment of the shafts, the annular rib being of lesser length than the thickness of the bearings.

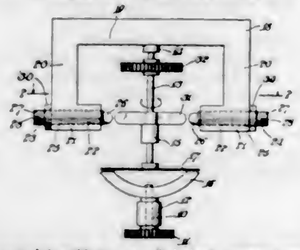
2,099,849

ROTATIONAL TRIGGER MECHANISM

Frederick T. Holmes, Waterbury, Conn.

Application February 21, 1936, Serial No. 65,171

7 Claims. (Cl. 264—13)



1. In combination, a driving member and a driven member, and means for restraining movement of said driven member until a predetermined speed of rotation of the driving member is reached, said means including a magnetic holding device normally restraining the driven member against rotation, and operating mechanism connecting said members including a slip connection for rotating said driven member continuously after the force of said holding device is overcome by the attainment of said predetermined speed.

2,099,850

MOTOR FUEL

Frank A. Howard, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 2, 1930, Serial No. 465,450. Renewed April 13, 1935

3 Claims. (Cl. 196—150)

1. An improved fuel for high compression engines, operating on the Otto cycle, comprising a hydroformed oil, having a flash point above 100° F., an end point below 500° F. and inherent anti-detonation properties at least equal to those of a sweet uncracked gasoline from Mid-Continent crude, to which 30% of pure benzol has been added, the percentage being figured on the gasoline-benzol blend.

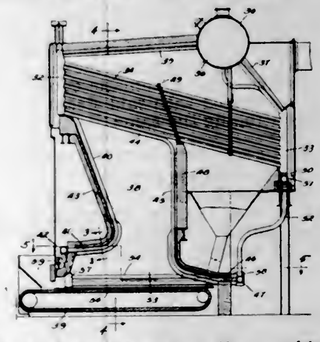
2,099,851

STEAM GENERATOR

William Ross Irwin, Springfield, Ill., assignor to Springfield Boiler Company, Springfield, Ill., a corporation of Illinois

Application October 29, 1934, Serial No. 750,415

5 Claims. (Cl. 122—297)



1. In a steam generator, the combination of a boiler having inclined tubes, upper and lower headers for said tubes, a combustion chamber below the tubes, a stoker for supplying fuel to the combustion chamber, a water wall formed of tubes connected with an upper header and extending downwardly along the front of the furnace, a header connected with said tubes, horizontal tubes positioned on either side of the stoker along the adjacent portions of the walls, headers for said tubes, pipes connecting the rear headers of the tubes with the lower header of the boiler, and pipes connecting the front headers of the tubes with the header connected with the water wall tubes.

2,099,852

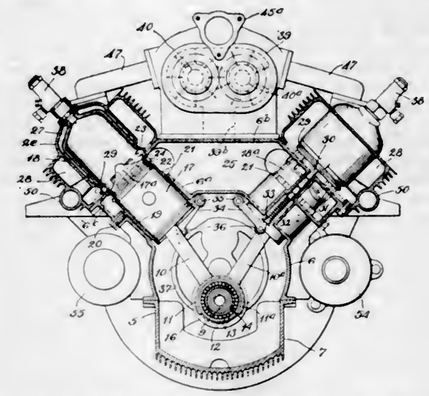
INTERNAL COMBUSTION ENGINE

Carl H. Knudsen, Brooklyn, N. Y., assignor to Viking Diesel Motor Corporation, New York, N. Y., a corporation of New York

Application January 23, 1936, Serial No. 60,360

9 Claims. (Cl. 123—195)

1. An internal combustion engine comprising an elongated cylinder, said cylinder having centrally thereof circumferentially spaced exhaust ports and in close proximity thereto circumferentially spaced intake ports, a ring valve mounted upon the outer surface of the cylinder and



movable longitudinally thereof to open and close said exhaust ports, said valve being in operative connection with the crank shaft of the engine, and said valve being movable outwardly in the direction of the head end portion of the cylinder in the operation of opening said exhaust ports.

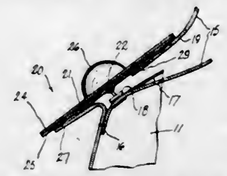
2,099,853

HANDBAG

Ernest Konelsky, Paris, France

Application October 17, 1936, Serial No. 106,079

12 Claims. (Cl. 150—42)



1. A generally rectangular ladies' handbag including an edge wall having parallel slits, a cross slit at one end thereof to constitute the material intermediate of the parallel slits, a strip-like closure connected at the other end to the container, releasable interconnecting means between the edges of the respective parallel slits, sliders for operating the individual interconnecting means, a rigid finger piece actuator member, means rigidly connecting the member to the sliders for moving the latter in true alinement with the interconnecting means, said member extending slidably transversely over the strip-like closure and having means for its manipulation intermediate of the sliders for actuating the latter as a unit.

2,099,854

ELECTRICITY METER

Fred Kurz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois

Application December 29, 1934, Serial No. 759,651

10 Claims. (Cl. 308—159)

1. In combination with an electricity meter comprising a spindle, a disk secured to said

spindle, means for rotating said disk and spindle, and means pivotally supporting the upper end of said spindle, of means pivotally supporting the lower end of said spindle comprising a bearing housing including upper and lower housing members, said upper housing member having its lower end reduced in diameter and secured within and forming an abutment shoulder in said lower housing member, a bearing assembly within said bearing housing comprising a lower mounting member disposed in said lower housing member and an upper mounting member disposed in said upper housing member, jewels secured to said mounting members, a ball disposed between said jewels, means confined entirely in said lower housing member and normally urging said lower



mounting member upwardly with respect to said lower housing member, a shoulder formed on said lower mounting member, said latter shoulder directly engaging the abutment shoulder on said upper housing member and limiting upward movement of said lower mounting member with respect to said lower housing member, a conical portion formed on said spindle, a conical bore formed in said upper mounting member, the conical portion on said spindle being adapted to engage in the conical bore in said upper mounting member for supporting the lower end of said spindle thereon, and means formed on said upper mounting member for guiding said spindle into engagement with the bore in said upper mounting member.

2,099,855

METHOD OF HYDROLYZING REACTIVE ACID LIQUOR

Robert B. Lebo, Elizabeth, N. J., and Benjamin T. Brooks, Old Greenwich, Conn., assignors to Standard Alcohol Company, a corporation of Delaware

No Drawing. Application December 10, 1935, Serial No. 53,708

8 Claims. (Cl. 260—156)

1. Method of manufacturing secondary alcohols by reaction of acids with olefins, which comprises reacting hydrating acids and olefins, diluting the acid reaction products, maintaining a temperature below about 25° C., settling the mixture into two layers, an acid liquor layer and a polymer layer, separating the layers, diluting the acid liquor layer, maintaining a temperature at which hydrolysis takes place, settling into two layers, and separately distilling alcohol from both layers.

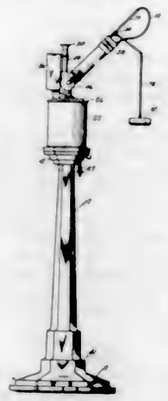
2,099,856

HAIR WAVING APPARATUS

Wilbur S. Lewis, Rocky River, Ohio, assignor to The Murlé Co., Cleveland, Ohio, a corporation of Ohio

Application December 11, 1933, Serial No. 701,823

7 Claims. (Cl. 132—36)



1. In an apparatus for curling hair, a hair receiving member upon which strands of hair are adapted to be wound from the ends inwardly toward the scalp, an enclosed chamber within which said wound hair is adapted to be disposed, a steam producing means, communicating means between said steam producing means and said enclosed chamber, and automatic control means operatively connected with said steam producing means for controlling the same.

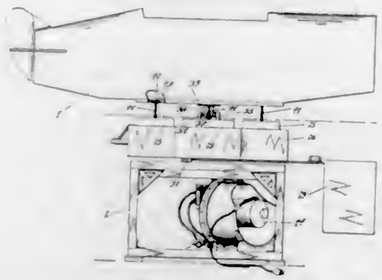
2,099,857

TRAINER FOR AVIATORS

Edwin A. Link, Jr., Binghamton, N. Y.

Application August 14, 1936, Serial No. 96,033

36 Claims. (Cl. 35—12)



1. A trainer comprising a frame, means for rotating said frame around a vertical axis, means for tilting said frame in simulation of an aeroplane in flight, a compass in said frame responsive to the directional positions thereof, and means associated with said compass and operable by the tilting and turning of said frame for deflecting said compass in simulation of the action of a compass in an aeroplane banking and turning in flight.

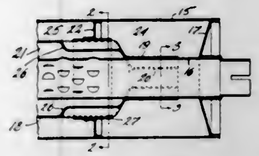
2,099,858

MUFFLER CONSTRUCTION

Roy J. MacKenzie and Lucien L. Haas, Buffalo, N. Y., assignors to Buffalo Pressed Steel Company, Buffalo, N. Y.

Application December 8, 1934, Serial No. 756,638

14 Claims. (Cl. 181—48)



1. A muffler including inner, outer and intermediate shells, a head connecting the outer and inner shell, said intermediate shell terminating at a distance from said head, a baffle dividing said intermediate and outer shells into separate sound deadening chambers, said inner shell forming a through passage for gases and sound waves and having perforations in portions thereof surrounded by said intermediate shell, said end of said intermediate shell having portions thereof pressed inwardly into contact with said inner shell and other longitudinal portions spaced from said inner shell to form a restricted passage connecting the space between said inner and intermediate shells with one of said chambers, and a tuning passage of much greater length than width connecting said chambers and terminating at opposite sides of said baffle, a portion of the wall of said passage being formed by one of the shells connected with said baffle.

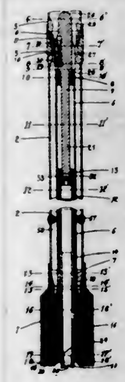
2,099,859

COLLAPSIBLE ROTARY CORE DRILL

George A. Macready, Los Angeles, Calif.

Application April 16, 1935, Serial No. 16,650

28 Claims. (Cl. 255—72)



1. In a rotary drilling apparatus: a rotary drill pipe provided with a terminal fitting adapted to receive cutting blades; and an interior bodily removable organization including said blades, means for expanding said blades into said fitting and a core barrel extending between and above said blades, the lower portion of said blades being collapsible to overlap each other when unexpanded.

2,099,860

HORSE COLLAR

Robert McCubbing, Barrhill, Dalbeattie, Scotland, assignor to The McCubbing Pneumatic Harness Company, Limited, Dalbeattie, Scotland

Application January 2, 1936, Serial No. 57,110

In Great Britain January 5, 1935

3 Claims. (Cl. 54—18)



1. A horse collar comprising an outer collar-shaped shell, a rigid inner shell fitting into and conforming in general shape to the shape of the outer shell, an inflatable pad backed by the inner shell, a soft pliable textile fabric jacket enclosing the pad and inner shell, lacing means for lacing the edges of the jacket together to detachably bind the pad to the inner shell, and means attached to the inner shell and protruding through the lacing means for detachably securing the inner shell to the outer shell.

2,099,861

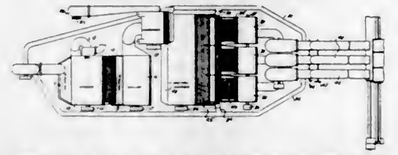
PAD FILLING APPARATUS

Thomas L. McJoynt, Janesville, Wis.

Application February 5, 1934, Serial No. 709,685

Renewed April 11, 1936

11 Claims. (Cl. 226—43)



1. Filling apparatus for a plurality of pad sections comprising the following instrumentalities, arranged serially, a primary disintegrator for preparing and cleaning raw filling material, a receiver for the material from the primary disintegrator and having means for forming it into a sheet of uniform density and thickness, means for severing said sheet longitudinally into strips, in number and width corresponding to the number and capacity of the pad sections to be filled, a secondary disintegrator, for comminuting said strips, maintaining them separately during treatment, and blower means receiving the separate masses of material from said secondary disintegrator and delivering the same separately to the said corresponding pad sections.

2,099,862

STRAW DISPENSING MACHINE

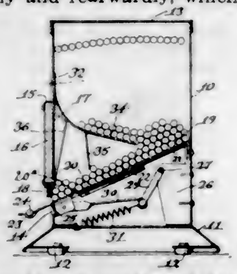
David Miller, Los Angeles, Calif.

Application May 11, 1936, Serial No. 79,096

3 Claims. (Cl. 312—79)

1. In a machine for dispensing straws and the like, a housing provided with a delivery opening, a spring-held plate arranged for sliding movement within said housing, a portion of which plate normally projects through said delivery opening, the projecting portion of which plate is provided with a straw-receiving groove, a flexible member depending from the upper edge of said delivery opening, a straw-agitating rib formed on said plate, a pair of inclined straw-guiding members secured to the lower portion of the inner face of

the front wall of the housing above and adjacent the ends of the delivery opening therein, a straw-supporting plate secured to the upper portion of the front wall of the housing and extending downwardly and rearwardly, which plate terminates above the rear portion of the sliding plate, and a vertically disposed plate secured to the intermediate portion of said last-mentioned plate and extending downwardly to a point just above the intermediate portion of said sliding plate.



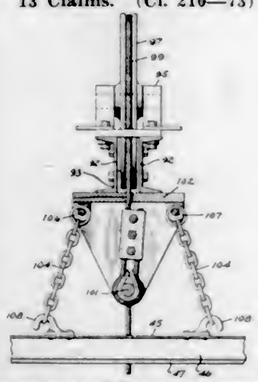
2,099,863

CENTRIFUGAL EXTRACTING AND DISCHARGING MECHANISM

Edward L. Miller, Green Island, N. Y., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware

Application April 21, 1933, Serial No. 667,157

13 Claims. (Cl. 210—73)



1. An extractor and discharging mechanism including in combination an extractor having a removable basket and a top closure therefor, means including a flexible running member which at one end engages the basket and at the other end engages the closure for removing the closure from the basket and the basket from the extractor and sheaves mounted above said basket and cover and over which the flexible members are passed for lifting the basket and cover by the flexible members.

2,099,864

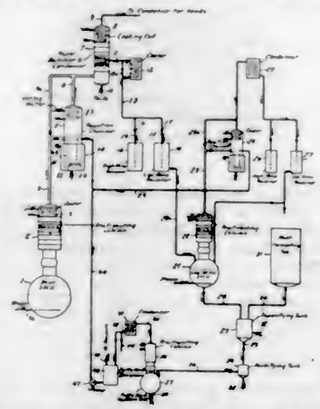
PROCESS FOR MANUFACTURE OF DISTILLED SPIRITS

Fred E. Miller, Philadelphia, Pa., assignor to Semet Solvay Engineering Corporation, New York, N. Y., a corporation of New York

Application May 26, 1934, Serial No. 727,618

3 Claims. (Cl. 99—48)

1. In the manufacture of a potable spirit of high ester content from fermented grain, the improvement which comprises distilling a fermented grain beer to form an alcoholic distillate having an alcohol content above 40%, distilling off an aqueous aliphatic acid concentrate from a fermented grain beer, neutralizing the acids of said concentrate by means of an alkaline calcium compound to form water-insoluble calcium compounds of acids containing more than 4 carbon atoms, mechanically separating the insolubles from aqueous solution, acidifying the insolubles to liberate free acids from said insoluble calcium compounds, subjecting the acids to distillation to form a distillate substantially free from acids containing more than 10 carbon atoms, esterifying the acids present in said distillate, and blending a quantity of the resultant esters with a much larger quantity of the aforesaid alcoholic distillate.



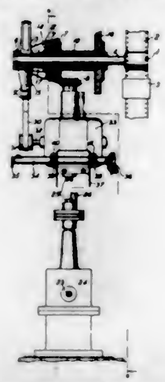
2,099,865

SOUND PICTURE SYSTEM

Edmund R. Morton, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 12, 1934, Serial No. 748,028

14 Claims. (Cl. 271—2.3)



1. In a strip feeding mechanism, a cylinder for feeding said strip and means for driving said cylinder at uniform velocity comprising two drives for said cylinder driven by separate motors, said drives being connected in multiple through an elastic member independent of the strip fed by the cylinder.

2,099,866

PHOTOGRAPHIC SHUTTER

William A. Riddell, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application April 18, 1936, Serial No. 75,155

6 Claims. (Cl. 95—63)



5. In a shutter of the setting type, the combination with an annular shaped casing including an arcuate groove concentric with the casing, of a setting lever including a shoe slidable in said arcuate groove and a handle projecting from said casing, a master member, a pivotal support therefor carried by the shutter casing and movable connections between the master member and setting lever to move the former by the latter as the handle is moved concentric with the shutter casing.

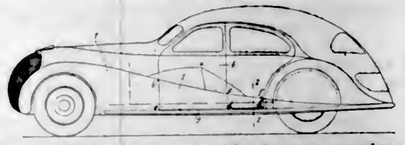
2,099,867

BODY OF AUTOMOBILE VEHICLES

Leon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France

Original application January 22, 1935, Serial No. 2,975. Divided and this application June 19, 1936, Serial No. 86,205. In France August 1, 1934

1 Claim. (Cl. 293—57)



In a vehicle having a side frame member, a body and a fender member extending between the front and rear wheels of the vehicle secured to said body laterally thereof, a hollow casing secured to said frame member laterally thereof and forming a running board below said fender, the outermost face of said fender and the outermost face of said casing being substantially vertically aligned, and a bumper secured to and covering the aforementioned outermost face of said casing and projecting laterally therebeyond.

2,099,868

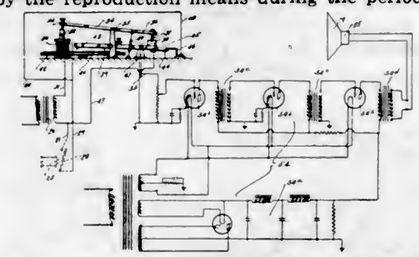
AUTOMATIC ANNUNCIATOR

Lang Jung Sing and Robert M. Waunch, Salem, Oreg.

Application January 26, 1935, Serial No. 3,619

3 Claims. (Cl. 274—15)

3. An annunciator system, the combination of a record reproduction means including a pickup, a pivoted bar, means urging the bar to normally engage the reproduction means and move it from a position terminating the reproduction of a record to a position to commence the reproduction of a record, an electromagnetic device connected to the bar operable when energized to move the bar against the action of the urging means to a position disengaging the reproduction means, a circuit for momentarily energizing the electromagnetic device, an electric switch closed by the reproduction means during the period of reproduction, and a holding circuit in series with the electromagnetic device and the switch.



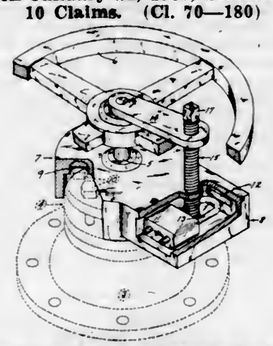
2,099,869

VALVE LOCK

Theodore Lewis Stainbrook, Garber, Okla.

Application January 21, 1937, Serial No. 121,402

10 Claims. (Cl. 70—180)



1. A device of the class described comprising: a jacket adapted to cooperatively engage and encase a valve stuffing box and to be held against rotation about the stuffing box by said engagement; an anchor plate adapted to threadedly engage the valve control shaft outside the jacket; and lock means rigidly connecting the anchor plate and the jacket for preventing relative movement between the two in any direction.

2,099,870

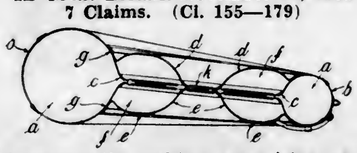
PNEUMATIC CUSHION

Henry Connah Stanley and William Henry Smith, Manchester, England

Application November 22, 1934, Serial No. 754,202

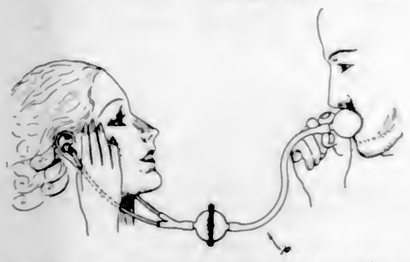
In Great Britain November 28, 1933

7 Claims. (Cl. 155—179)



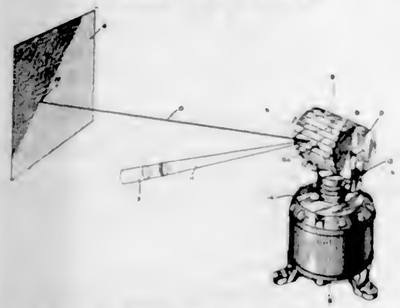
1. A pneumatic cushion comprising an outer tubular ring of material impervious to air, and sheets of similar material of a shape corresponding to the space defined by said tubular ring but larger than said defined space, said sheets having outer marginal edges secured to the said outer tubular ring to form a second air compartment inwardly of said outer ring and with the said outer marginal edges overlying the said outer tubular ring and outside of said second air compartment and so that part of said outer ring forms a wall of the said second air compartment.

2,099,871
APPARATUS FOR EXERCISING THE HEARING ORGANS
Benjamin A. Stern, Los Angeles, Calif.
Application May 19, 1936, Serial No. 80,544
2 Claims. (Cl. 128—39)



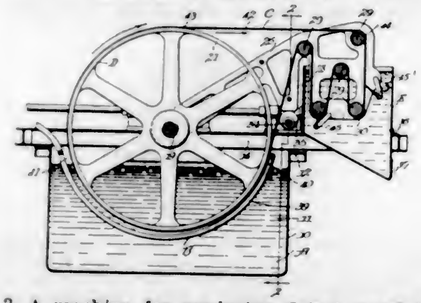
1. In an apparatus for treating the ears, the combination of: means forming a compressed air chamber; means for conducting compressed air from said chamber to both outer ear canals of a patient; a flexible diaphragm forming one wall of said compressed air chamber; means forming a compressing air chamber, the latter also having one of its walls formed by said diaphragm; and means connected to said compressing air chamber and adapted to receive breath under superatmospheric pressure from a person operating said apparatus to transmit this breath to said compressing air chamber and by the expansion of said diaphragm compress the air in said compressed air chamber, the increased pressure of the air in said compressed air chamber being transmitted to the outer ear canals of said patient.

2,099,872
SCANNING DEVICE
Milton M. Stern, Los Angeles, Calif.
Application February 26, 1934, Serial No. 712,913
Renewed October 19, 1936
7 Claims. (Cl. 178—7.6)



1. A device of the character described, including: a primary part mounted so as to turn on a primary axis; a plurality of reflectors disposed on said primary part around said primary axis, said reflectors being elongated in the direction defined by said primary axis, an end portion of each of said reflectors being converged toward said primary axis; means for giving said primary part rotary movement completely around said primary axis; and means for giving said primary part rotary movement completely around a secondary axis disposed at an angle to said primary axis in a timed relation to the rotary movement of said primary part relative to said primary axis.

2,099,873
MACHINE AND PROCESS FOR PRODUCING FLAKE METAL BY ELECTRODEPOSITION
Martin M. Sternfels, Waterbury, Conn.
Application June 14, 1934, Serial No. 730,673
18 Claims. (Cl. 204—5)



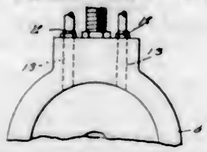
2. A machine for producing flaked metal by electro-deposition comprising a bath, an anode, a continuously moving cathode, a washing bath, and means for passing the cathode and the deposit thereon through said washing bath, and means for agitating the bath for removing the deposit from the cathode in said washing bath.

9. The process of producing flaked metal by electro-deposition which comprises passing an endless flexible belt cathode over a curved surface in the plating bath, maintaining the curvature of the cathode and the deposit thereon fixed until a predetermined point is reached, disengaging the cathode from said curved surface and changing the curvature of the cathode to draw the belt away from the deposit and loosen the flakes.

2,099,874
METHOD OF EVACUATING VESSELS, MORE PARTICULARLY LAMPS
Carl Trenzen, Venlo, Netherlands
No Drawing. Application June 9, 1934, Serial No. 729,908. In Switzerland December 4, 1933
7 Claims. (Cl. 176—2)

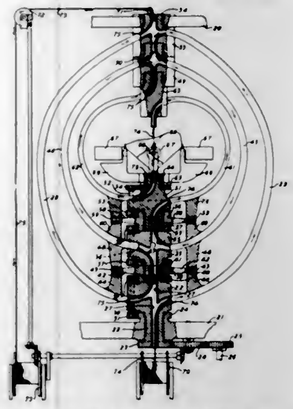
7. A method of evacuating vessels, and more particularly lamp bulbs, which consists in partially evacuating the vessel, then introducing a carbonyl of a metal of the group consisting of nickel, molybdenum, iron, tungsten, into the said vessel, heating the said vessel to cause decomposition of the said carbonyl, so that the air and traces of gas combine with the liberated CO, and then completing the evacuation of the said vessel.

2,099,875
WATER CLOSET
Cary J. Weaver, Goose Creek, Tex.
Application April 8, 1937, Serial No. 135,771
2 Claims. (Cl. 4—218)



1. In a water closet, a hopper provided with a ventilating opening, a nipple having an end fitting within said opening, a flange on the inner end of the nipple, a nut threaded on the outer end of the nipple for drawing the flange against the inner wall of the hopper, and a ventilating pipe connected at one end thereof with said nipple.

2,099,876
STRAND HANDLING APPARATUS
Leo L. Weaver, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 9, 1934, Serial No. 729,750
7 Claims. (Cl. 117—9.5)



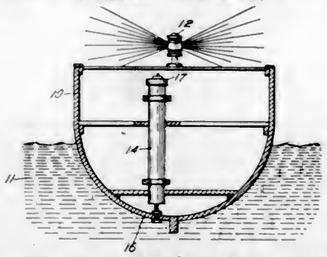
1. In a high speed serving head for winding a cover strand on a substantially torsionally rigid core strand advancing through the head, means to impose high speed rotation upon the core strand comprising a plurality of duplex fliers, the arms of the plurality of fliers defining a path for the core strand passing successively through one arm of each of the fliers to a winding point and passing from the winding point in inverse order through the respective other arms of the fliers, and means to supply a cover strand to the core strand at the winding point.

2,099,877
BAILER
Edward F. Westall, Alhambra, Calif.
Application November 22, 1935, Serial No. 51,043
13 Claims. (Cl. 166—19)



1. In a well bailer, a cylinder, a piston reciprocable within said cylinder, said cylinder being adapted to be raised and lowered relative to said piston, valvular means connected with the ends of said cylinder to release pressure fluid within the cylinder, a conduit from the chambers on opposite sides of said piston within said cylinder to a bailer bucket, and valvular means controlling said conduit adapted to open to suction and close to pressure within the cylinder.

2,099,878
AUTOMATIC ELECTRIC SAFETY LIGHT FOR LIFEBOATS
Gunnar A. F. Winckler, Worcester, Mass., assignor to Winckler Engineering Laboratories Incorporated, Boston, Mass., a corporation of Massachusetts
Application October 29, 1934, Serial No. 750,525
1 Claim. (Cl. 9—1)



In combination, a life boat for emergency use having a position-indicating means thereon for signalling continuously while the boat is in the water, a circuit in which the position-indicating means is permanently connected, and circuit control and energizing means permanently connected in circuit with said position-indicating means, and normally inactive and inoperative, for automatically coming into action and for unconditionally energizing the circuit immediately when the boat is dropped into the water, without the necessity of manually actuating any controls, regardless of the length of time that said energizing means has previously been in its inoperable condition, and for automatically deenergizing the circuit when the boat is hauled out of the water, the said control means comprising an enclosed compartment in said boat and having an opening at its bottom, for the influx of water to the water-level of the boat, a well in said compartment fixed to the wall thereof, and extending at least partly below the normal water-line of the boat, a pipe leading into the bottom of said well, a bushed connection communicating the said pipe in watertight manner with the opening in the bottom of the boat, so that the sea water can enter only into the well, a voltaic cell generator in said well having concentric electrodes spaced in fixed relation to each other, insulating discs at the top and the bottom of said cell serving to space the electrodes in said cell and also to space the cell with respect to said well, the bottom disc and the outer electrode having openings therein for the influx of sea water into said cell to serve as an electrolyte, leads permanently connected to said cell, a bushing in the top of said well, and a cable with which said leads are permanently connected and which extends through said last-mentioned bushing into permanent connection with said circuit, dropping of the boat into the water causing the influx of the water into the well and thence into the inter-electrode space of the cell to the normal water-line of the boat, thereby energizing the cell, and hence the circuit and the position-indicating means itself, and the removal of the boat from the water resulting in the flowing off of the electrolyte from the cell through the passages, and hence through the wall to the exterior, and consequent deenergization of the cell, without the necessity of breaking the fixed connections.

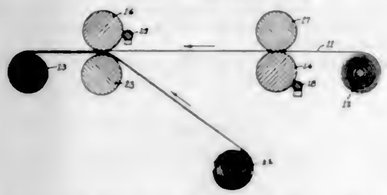
2,099,879

APPARATUS FOR PRINTING AND DRYING

Charles E. Wooddell, Niagara Falls, N. Y., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application December 23, 1935, Serial No. 55,742

5 Claims. (Cl. 101—420)



2. Printing and drying apparatus of the character described comprising, in combination, a platen roll for supporting web sheet material previously printed on one side, means for printing the opposite side of said web sheet, a bilaterally faced granular coated web cooperating with said platen roll to prevent offsetting of the printed side of said web sheet during the second printing operation, means for moving said web sheet and said granular coated web and supporting the two webs in a continuous interleaved fashion whereby smearing of the printed images is prevented during the drying thereof.

2,099,880

COMPOSITION OF MATTER ADAPTED FOR INCREASING THE WATER-RESISTANCE OF FIBROUS SUBSTANCES SPECIFICALLY PAPER PRODUCTS AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor, by mesne assignments, to Ellis-Foster Company, Montclair, N. J., a corporation of New Jersey

No Drawing. Application November 22, 1929, Serial No. 409,185

3 Claims. (Cl. 134—22)

2. A paper sizing composition comprising a blown wax softened with an oil.

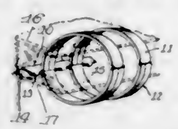
2,099,881

BINDING DEVICE

Charles E. Emmer, Chicago, Ill., assignor to Cercia, Inc., Chicago, Ill., a corporation of Illinois

Application October 16, 1935, Serial No. 45,175

6 Claims. (Cl. 129—1)



5. A binding device comprising a strip provided with a plurality of arcuate arms extending from the longitudinal edges of the strip and arranged in pairs adapted to be pressed into ring form, and means for connecting the free ends of each pair of said arms comprising projections and projection-receiving recesses adjacent each of said free ends, the recess of one arm of each pair being aligned with one face of the projection of said arm, the recess of the other arm of each pair being aligned with the opposite face of the projection of said arm, the arrangement being such that as said arms are pressed to ring form the projection of each arm serves as a guide to direct its mate into the cooperating receiving recess.

2,099,882

STREET SIGN

Ben H. Ernst, Buffalo, N. Y.

Application March 27, 1937, Serial No. 133,462

2 Claims. (Cl. 40—131)



2. A street sign of the class described comprising a frame including a plate stenciled to provide desired street name indicia, the upper longitudinal edge of said plate being bent upon itself to provide a longitudinally extending retention channel of a length commensurate with the plate itself, a glass panel disposed against the inner side of said plate, said panel being of a length less than the plate and less than said retention channel, and a detachable keeper channel secured also to the inner side of said plate adjacent the lower edge thereof and engageable with the lower adjacent edge of said glass panel, said keeper channel including an attaching flange and an offset channel-forming portion, the ends of said channel-forming portion terminating inwardly of the ends of said plate and being bent toward the plate and secured thereto to guard against endwise displacement of said glass panel.

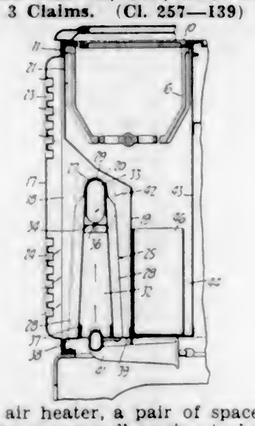
2,099,883

AIR CIRCULATING HEATER

Clarence R. Graham, Palo Alto, Calif., assignor to James Graham Manufacturing Co., San Francisco, Calif., a corporation of California

Application June 20, 1936, Serial No. 86,312

3 Claims. (Cl. 257—139)



1. In an air heater, a pair of spaced upright side walls, an upper wall serving to join the upper edges of the side walls, all of said walls being formed of one continuous piece of sheet metal, the space between said walls serving as a flow path for hot products of combustion, and corrugations formed in said walls, said corrugations forming a series of fins on the outer faces of said side walls and being flattened to form folds in said upper wall.

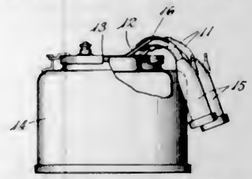
2,099,884

MILKING-MACHINE INFLATION

George W. Green, Wilmette, Ill., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application February 26, 1936, Serial No. 65,828

4 Claims. (Cl. 31—84)



3. An inflation for a milking machine, said inflation comprising a body provided with a tubular neck adapted to be mounted at the end of a tube of the machine and to close the tube by flexing of the neck to position its inner wall against the tube end, said flexible neck comprising portions in the region of the end of the tube of locally increased thickness as compared with the neck proper for preventing objectionably sharp localized bending in said region while permitting the neck to flex to close the tube end.

2,099,885

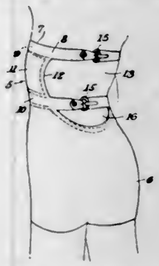
BATHING SUIT

Arnold Mogens Hansen, Jylland, Denmark

Application July 2, 1936, Serial No. 88,555

In Denmark August 30, 1935

3 Claims. (Cl. 2—67)



1. A shoulder-strapless bathing suit or the like having an upper portion and a lower portion, an upper resilient band along the top edge of the upper portion, an intermediate resilient band at the waist of the suit, said bands being adapted to completely encircle the body of a wearer, and a bust covering area between said bands, said area having lateral edges terminating along the sides of the garment.

2,099,886

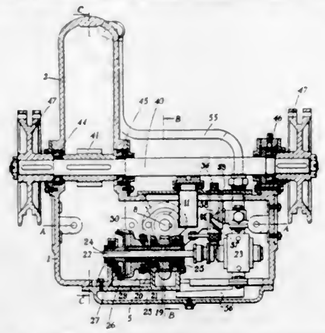
HYDRAULIC HOIST

Paul Rudolph Hasson and Norman Choate Storey, Leeds, England

Application August 16, 1935, Serial No. 36,598

16 Claims. (Cl. 97—50)

1. In a motor driven tractor, a soil working implement assembly adapted to be raised and lowered, arranged at the rear end thereof, a rotary member, means connecting said assembly to said member for lifting said assembly upon rotation of said member, hydraulic mechanism including a piston-driven rack and a pinion on the rotary member for rotating said member, a clutch-controlled pump for setting said hydraulic mechanism in action from the motor of the tractor to raise said assembly, when required, and means for



lowering said assembly through said hydraulic mechanism when required.

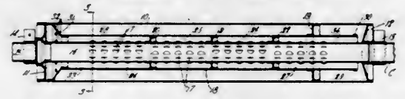
2,099,887

MUFFLER

Laurence R. Heath, Buffalo, N. Y., assignor to Buffalo Pressed Steel Company Inc., Buffalo, N. Y.

Application May 26, 1934, Serial No. 727,649

7 Claims. (Cl. 181—48)



1. A muffler comprising an imperforate outer shell, apertured end heads connected to said outer shell, a conduit connecting with the apertures in said heads to provide a through passage for exhaust gases, said conduit having a portion of its length provided with a plurality of relatively small apertures, an intermediate shell continuous from end to end thereof and having both ends spaced from said heads, a partition between said conduit and said intermediate shell and dividing the space between said conduit and intermediate shell into a plurality of inner elongated chambers a partition dividing the space between said intermediate and outer shell into a plurality of outer resonator chambers, the inner chamber at each end of the muffler communicating around the adjacent end of the intermediate shell with a resonating chamber, said conduit being provided with apertures opening into each inner chamber and being provided with an imperforate portion near an end of said conduit forming with the intermediate shell a resonator neck connecting with a resonator cavity.

2,099,888

METHOD OF MAKING SELF-STERILIZING BRUSHES

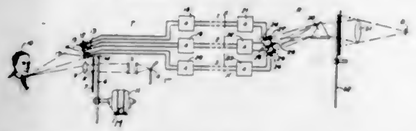
Warren E. Hill, Northampton, Mass., and Frederic A. Parkhurst, Bethesda, Md., assignors to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware

No Drawing. Application December 15, 1933, Serial No. 702,604

7 Claims. (Cl. 300—21)

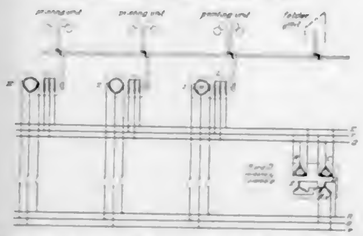
1. The method of making a self-sterilizing brush which comprises treating the bristles with a solution of a phenyl mercuric salt, and treating the bristles with an agent adapted to react with the phenyl mercuric salt to form a phenyl mercuric salt which is less soluble in water.

2,099,889
TELEVISION SYSTEM
Herbert E. Ives, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 18, 1933, Serial No. 685,685
8 Claims. (Cl. 178—5.4)



1. Electro-optical apparatus for producing images in color, comprising a plurality of light sources each emitting a strip of diffused light, the respective strips comprising light waves of different lengths within the range for which the eye is sensitive and simultaneously controlled by incoming image currents, means acting upon said light waves to form a superposed image of said sources, and a helix of mirrors for directing light from said superposed image to a field of view.

2,099,890
MEANS FOR REGULATING THE SPEED OF POLYPHASE ALTERNATE CURRENT MOTORS
Henry Vincent James, Radlett, England
Application October 15, 1934, Serial No. 748,398
In Great Britain and Northern Ireland October 24, 1933
2 Claims. (Cl. 172—274)



1. A double induction regulator for a plurality of electric motors of the alternating current commutator type where said motors are allocated each to an individual unit of a multiple unit line type printing press, said double induction regulator electrically connected in parallel to the rotors of said motors and energized from constant supply, said regulator having movable control members, and a driving device comprising quadrants for driving said control members, a disc rotatable on the axis of the quadrants, cam grooves in said disc, links connected to the quadrants and movable in the cam grooves, means for guiding the cam groove connected ends of the links in right lines, and means for operating the disc.

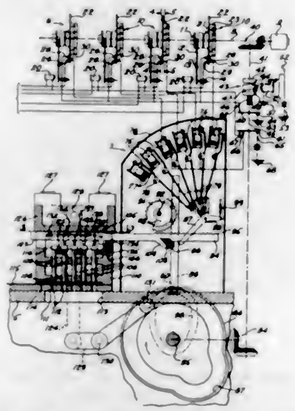
2,099,891
FOUNTAIN PEN
Karl Y. Johannesson, Berwick, Pa.
Original application July 20, 1933, Serial No. 681,265. Divided and this application July 19, 1935, Serial No. 32,143
13 Claims. (Cl. 120—48)

1. In a fountain pen having a barrel, an air vent member in the barrel, a hollow cap secured to the barrel and securing the air vent member in position, said air vent member including a stem having a bore therethrough leading to the interior of the cap, a valve normally closing said vent member against passage of air to the interior of the cap but operative to establish communication between the barrel and cap upon increase in air pressure in the bore of the stem



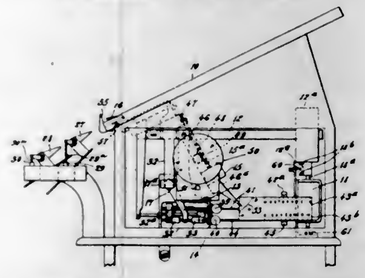
beyond a predetermined amount, a duct leading from the interior of the cap to the atmosphere, and valve means associated with the air vent member and operative in response to variations in level of the ink in the pen barrel to close said air vent member against passage of air therethrough.

2,099,892
PERFORATING APPARATUS
Harold G. Johnstone, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 15, 1935, Serial No. 1,840
3 Claims. (Cl. 164—115)



1. In a perforating apparatus, a plurality of punches arranged in columns of five to a column and designed to be operated to punch combinations of holes representative of the digits one to nine, and a selector associated with a column of punches movable to any one of nine positions and adapted to select a different punch in each of positions one, three, five, seven and nine and to select one punch and one of the other four punches in the other four positions respectively.

2,099,893
MACHINE FOR GRADING OR SORTING BY WEIGHT
William Jones, Soho Foundry, Birmingham, England, assignor to John Oliver Powell, Gorseinon, near Swansea, Wales, England
Application May 15, 1935, Serial No. 21,570
In Great Britain May 18, 1934
8 Claims. (Cl. 209—121)



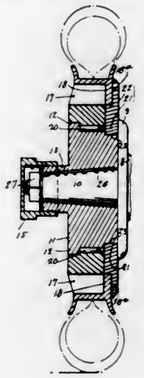
1. A machine for grading or sorting by weight embodying a weighing mechanism, a load receiving device from which the load tends to fall under the action of gravity, electrically controlled means for locking the weighing mechanism, electrically controlled means for restoring the weighing mechanism to the normal equilibrium position after a grading or sorting operation has been performed, electrically operated deflector mechanism associated with the weighing mechanism and adapted to be brought into operation for directing the load into a specified channel according to its grade or weight, movable means carrying the switch controlling the aforesaid locking means, means for electrically actuating said switch carrying means, means for delaying the movement of said switch carrying means and a switch incorporated in the load receiving device and adapted to be actuated by the loading of the load receiving device the actuation of said switch on the reception of a load effecting the unlocking of the weighing mechanism, the placing of the restoring means out of action and the actuation of the delay action switch carrying means.

2,099,894
EMULSIFYING OIL
Arthur Gustav Kaufmann, Associated, Calif., assignor, by mesne assignments, to Tide Water Associated Oil Company, a corporation of Delaware
No Drawing. Application April 20, 1935, Serial No. 17,539
8 Claims. (Cl. 167—43)

1. An emulsifiable oil comprising: a hydrocarbon oil compounded with Koeme oil.

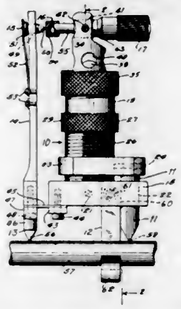
2,099,895
DEMOUNTABLE TIRE RIM
Andrew Kendzierski, Buffalo, N. Y.
Application June 12, 1936, Serial No. 84,960
3 Claims. (Cl. 301—11)

1. In a structure of the class described, a cylindrical hub member provided adjacent its outer face with an outstanding stop flange, an annulus fitted over said hub, abutting and surrounding said flange, said annulus being provided with marginal lug accommodation notches, anti-friction rollers interposed between the annulus and hub, an abutment ring surrounding said hub and keyed thereto and abutting said annulus, said abutment ring being provided with keeper notches



with which the notches in said annulus may be registered or disaligned at will.

2,099,896
INDICATING EXTENSOMETER
Augustus B. Kinzel, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application September 24, 1932, Serial No. 634,695
18 Claims. (Cl. 33—148)

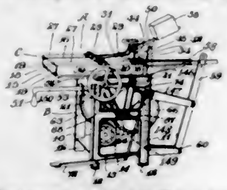


1. An extensometer adapted for being mounted on a test specimen and comprising a body; a mobile leg; a stationary leg; and means for clamping said legs to a test specimen with greater pressure on said stationary leg than on said mobile leg, said means comprising a member partially encircling said test specimen and provided with a contact surface a fixed distance from said body engaging the opposite side of said test specimen from said legs relatively closer to said stationary leg than to said mobile leg.

2,099,897
ADJUSTABLE CUSHION FILLING MACHINE
Martin H. Lang, Minneapolis, Minn.
Application May 11, 1935, Serial No. 21,006
8 Claims. (Cl. 226—46)

1. A stuffing machine including an adjustable stuffing box including upper and lower sections having means for adjusting the width thereof, a base upon which said sections are mounted, means for adjusting the depth of said stuffing box, means for operating said stuffing machine to automati-

cally insert the stuffing material into the cushion covering and hinge means for said upper sections



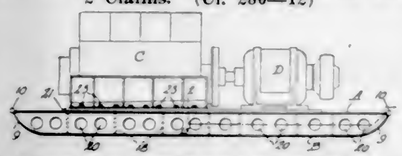
interposed between said stuffing box depth adjusting means and said base.

2,099,898

PORTABLE FOUNDATION FOR MACHINERY

Elwood T. Larkin, Eggertsville, N. Y., assignor to Charles A. Criqui, Buffalo, N. Y.

Application September 16, 1935, Serial No. 40,772
2 Claims. (Cl. 280—12)



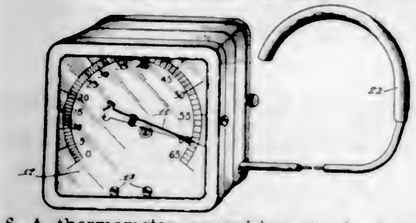
1. A portable foundation for machinery, including horizontal upper and lower plates which are substantially coextensive with said foundation and which are spaced apart throughout the greater portion of their length and which converge at their ends, a transverse bar at each end of said foundation and rigidly secured to the ends of said plates, upright side plates rigidly secured to the edge portions of said upper and lower plates and extending substantially throughout the length of said foundation, a plurality of upright webs arranged in the space between said upper, lower and side plates for reinforcing said foundation and welded to said plates and to each other, said lower plate being provided with openings spaced to permit welding of said webs to said plates and to each other, a series of apertures in said side plates and webs and arranged in alinement to permit insertion of a bar transversely of said foundation, and strips of metal welded to the top surface of the upper plate and forming pads on which machinery may be placed and also reinforcing said foundation.

2,099,899

THERMOMETER

Reynold T. Hedfield and Hans Seegers, Chicago, Ill., assignors to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois

Application November 4, 1936, Serial No. 109,078
11 Claims. (Cl. 73—369)



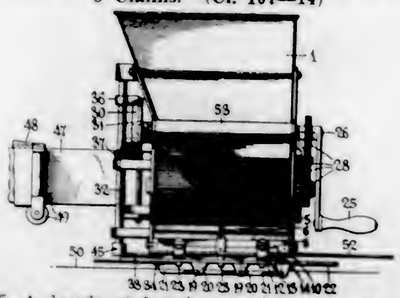
6. A thermometer comprising standard cup-like gauge housings secured back to back to form a partition therebetween, a pressure gauge in one of said housings, and an elongated capillary tube having a thermostatic bulb thereon normally stored in the other housing and operatively connected to said gauge and capable of being fully extended from said other casing, said bulb being longer than any internal dimension of said housing and formed in a hook-shape whereby it may be hooked to and suspended from any convenient part of the interior of a refrigerator.

2,099,900

DOUGHNUT FORMING MACHINE

Frederick Maier, Buffalo, N. Y.

Application June 2, 1936, Serial No. 83,149
5 Claims. (Cl. 107—14)



5. A doughnut forming machine comprising a frame having a hopper, an extruding die supported beneath the hopper, means for feeding the dough from the hopper through the die, means removably securing the die to the frame, severing means movably supported on the die and removable from the frame with the die as a unit, and means mounted on the frame for operating the severing mean, said severing means having a part interlocking with said operating means for establishing a driving connection therebetween and permitting disconnection of the severing means from the operating means when the unit is removed from the frame.

2,099,901

COMBINED COLLAR HOLDER AND TIE CLASP

William J. Morse, Attleboro, Mass., assignor to Morse Andrews Co., a corporation of Massachusetts

Application August 27, 1934, Serial No. 741,655
8 Claims. (Cl. 24—73)



1. In combination, a collar holder having a front member and a rear member, the contiguous ends of said members being adapted to releasably grip the tabs of a collar, a support element secured to said collar holder intermediate said ends, and a tie clasp secured to said support element.

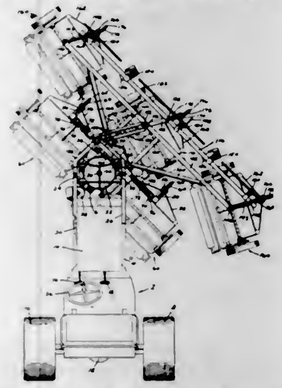
2,099,902

TRACTOR PROPELLED GANG LAWN MOWER

Amos F. Moyer and Gustave C. Kleidon, Minneapolis, Minn., assignors, by mesne assignments, to Toro Manufacturing Corporation of Minnesota, a corporation of Minnesota

Application August 5, 1931, Serial No. 555,158
Renewed June 30, 1936
33 Claims. (Cl. 56—7)

1. In a gang lawn mower comprising a tractor having steering means, and front and rear transverse rows of mower units connected to the tractor to be propelled thereby, unit steering means associated with said tractor steering means for



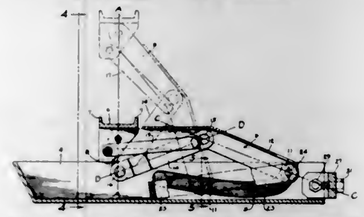
steering one row of said units in such manner as to cause its swaths to be overlapped by the swaths of the other row of units when the gang is proceeding around a curve.

2,099,903

LIFTING APPARATUS

Harold Nilson, Wayzata, Minn., assignor of one-third to John A. Edeby, Wayzata, Minn., and one-third to Emil Berglund, Minneapolis, Minn.

Application October 26, 1936, Serial No. 107,622
3 Claims. (Cl. 254—9)



1. In an apparatus of the class described, a base member having a cam-shaped guide formed therein, said guide having a substantially vertically disposed portion, an arcuate portion, and a substantially horizontal and upwardly inclined portion, a lifting head, an arm having its upper end pivotally connected to said head and its lower end operatively engaged with said cam-shaped guide, a link pivotally connected to said base and to said arm, and means for imparting a force to the lower end of said arm to elevate said head, said cam-shaped guide and said link serving to guide said head during movement thereof along a substantially straight vertical axial line.

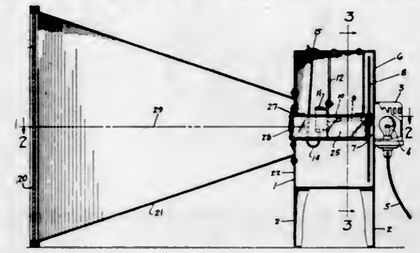
2,099,904

METHOD OF KALEIDOSCOPIC PROJECTION AND APPARATUS THEREFOR

Edmund W. Pennington, Minneapolis, and Charles E. Porter, Jr., St. Paul, Minn., assignors to Vivid-Ad, Inc., Minneapolis, Minn., a corporation of Minnesota

Application May 27, 1935, Serial No. 23,650
5 Claims. (Cl. 88—24)

1. A device of the class described comprising a light source, a projection screen, a kaleidoscopic projection system operably interposed between the source and the screen, a pair of disks of light-transmitting material arranged between the light source and the kaleidoscopic system and having portions of their peripheries overlapped in the field of illumination, each disk



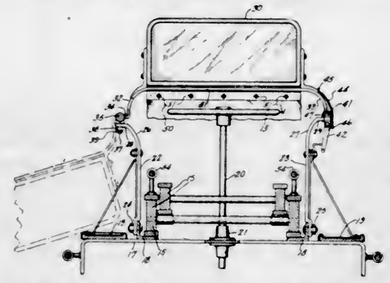
having light-intercepting delineations which move across the field of illumination, and means for automatically rotating the disks, said screen having delineations thereon with which the kaleidoscopic images are related in a predetermined and significant manner including a mask making part of the screen opaque.

2,099,905

TILLERMAN'S WINDSHIELD FOR LADDER TRUCK TRAILERS

Peter Pirsch, Kenosha, Wis., assignor to Peter Pirsch and Sons Co., Kenosha, Wis., a firm composed of Peter Pirsch, W. R. Pirsch, and Ceila Pirsch Even

Application June 10, 1936, Serial No. 84,432
11 Claims. (Cl. 296—85)



1. A vehicle windshield assemblage comprising supporting means, a windshield, a pivot disposed horizontally at one side of the windshield for hingedly connecting said windshield to the supporting means, said pivot extending at right angles to the plane of the windshield when the latter is in operative position to provide for lateral swinging movement of the winshield in a substantially vertical plane directly from operating position to an inverted inoperative position, and means for releasably locking the other side of the windshield in operative position.

2,099,906

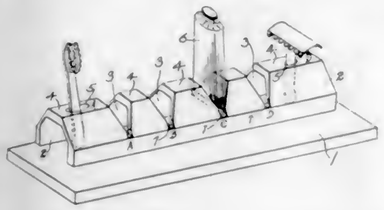
ARTICLE HOLDER

Myrtle Pierce Reese and Christian A. Volf, Jr., New York, N. Y.; said Volf, Jr., assignor to said Reese

Application March 4, 1936, Serial No. 67,139
6 Claims. (Cl. 132—79)

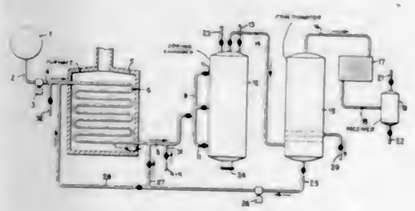
1. A holder for toilet articles, collapsible tubes and the like comprising an elongated arched

member having therein a plurality of downwardly extending substantially V-shaped transverse slots



adapted to individually receive the folded end of a collapsible tube.

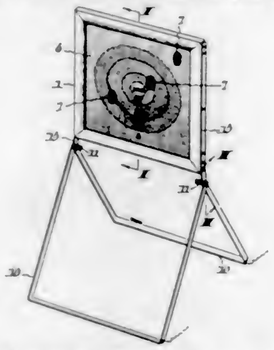
2,099,907
DISTILLATION OF HYDROCARBON OILS
Marvin C. Rogers, Chicago, Ill., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana
Application December 20, 1933, Serial No. 703,190
3 Claims. (Cl. 196—65)



3. A method of processing heavy hydrocarbon oil to produce gasoline which comprises passing said oil in a confined stream through a tubular heating coil, heating said oil during its passage through said coil to cracking temperature, controlling the temperature and time of treatment of the oil within said coil with respect to each other to effect the maximum cracking of the oil within the coil while avoiding troublesome coke deposits therein, passing the converted products from said heating coil into a reaction zone wherein further conversion is effected and vapors separate from residue, introducing air into the cracked products from said tubular heating coil in an amount of about 3.2 cubic feet of air at 60° F. for each gallon of oil treated to further heat said oil by partial combustion thereof to a temperature not more than about 40° F. above that obtained in the heating coil, separately removing the vapors from said reaction zone and subjecting them to fractionation to separate a gasoline distillate fraction relatively free of gum-forming constituents.

2,099,908
TARGET
Mitchell G. Rosengarten, Philadelphia, Pa.
Application June 17, 1936, Serial No. 85,663
1 Claim. (Cl. 273—35)

Game apparatus comprising a plain cardboard missile-disc, adapted to be propelled by a stroke of a golf-club against its edge, and a target therefor faced with projecting bristles of such length and resiliency and so spaced as to impale, receive amongst them, and hold the margin of the plain

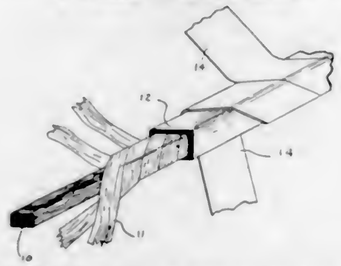


cardboard missile-disc itself, and adapted thus to retain and support it where it strikes.

2,099,909
PREPARATION OF ANHYDRIDES BY THE USE OF KETENE
Karl T. Steik, Clifton, and Anthony H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 13, 1931, Serial No. 556,940
4 Claims. (Cl. 260—123)

1. The process which comprises reacting ketene with naphthenic acids to form a mixed anhydride of said naphthenic acids and acetic anhydride.

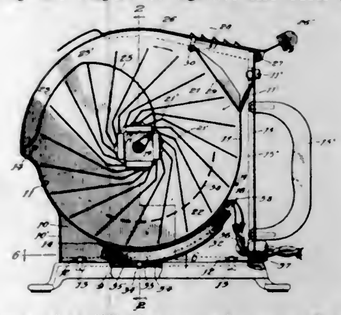
2,099,910
TACKING STRIP
Otto Thiel, Detroit, Mich.
Application July 6, 1936, Serial No. 89,157
6 Claims. (Cl. 117—53.5)



1. In a tacking strip, a core, an encasing thick coating of asphalt outside said core, and an outer skin of thin flat smooth paper ribbon.

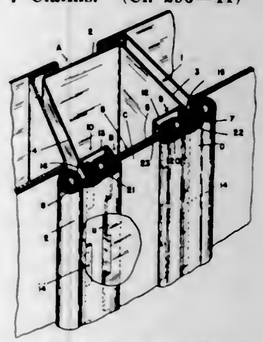
2,099,911
CORN POPPER
Herbert L. Thompson, Elgin, Ill.
Application August 17, 1936, Serial No. 96,345
17 Claims. (Cl. 53—4)

2. A corn popper comprising a base, a casing mounted on the base and providing a popping chamber, a heating element supported adjacent to the popping chamber, a slotted guard at the top of the popping chamber, a delivery apron, a plurality of fingers within the chamber and operating in the slots of the guard, and means for revolving the fingers to agitate the corn in the



chamber and to lift the popped corn and push it over the guard and discharge it onto said apron.

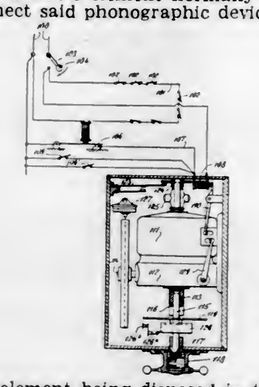
2,099,912
VEHICLE PILLAR STRUCTURE
Paul H. Travis, Detroit, Mich.
Application April 29, 1935, Serial No. 18,940
7 Claims. (Cl. 296—44)



1. In combination, a pillar having a portion forming a seat for a trim panel, and provided upon opposite sides of said portion with outwardly opening channels, opposite sides of each of said channels having inturned tongues, weather strips in said channels and held against displacement by said tongues, and a trim panel on said seat and positively held against displacement by portions of said weather strips.

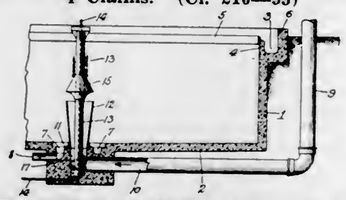
2,099,913
AUTOMATIC TELEPHONE SIGNALING APPARATUS
Jean Edouard Tuscher, Petit Ivry, and Marcel Spiro, Paris, France, assignors, by mesne assignments, to Signaphone Corporation of America, Wilmington, Del., a corporation of Delaware
Application September 20, 1934, Serial No. 744,834
In France December 6, 1931
10 Claims. (Cl. 179—5)

1. In an alarm system, an automatic exchange telephone line, a protective circuit, a motor, means responsive to electrical disturbance of said circuit for starting said motor, a dialling switch, a helicoidally advancing drum operated by said motor, spaced cam disks on said drum for successively actuating said switch to automatically connect said line to a particular station, a phonographic device for sending an alarm message, and a second switch spaced from said first switch including a movable element normally in position to disconnect said phonographic device from the



line, said element being disposed in the path of said drum in position to be positively engaged and displaced thereby subsequent to dialling to connect the phonographic device to the line.

2,099,914
METHOD OF AND APPARATUS FOR INFLUENT SUPPLY
Ferdinand F. Waechter and Harold F. Watson, Philadelphia, Pa., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application May 13, 1936, Serial No. 79,486
4 Claims. (Cl. 210—55)

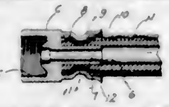


4. The method of diffusing an incoming current of liquid throughout a body of liquid which comprises the steps of directing the influent column of liquid along a generally horizontal path, then gradually changing its direction of flow to a generally vertical path, then gradually increasing the cross sectional area of the column as it proceeds forwardly, then imparting to the expanded column of liquid a rotary movement about its longitudinal axis of flow and then discharging the column of liquid directly into the main body of the liquid.

2,099,915
HOSE COUPLING
Albert J. Weatherhead, Jr., Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Original application December 18, 1931, Serial No. 581,893, now Patent No. 2,000,680, dated May 7, 1935. Divided and this application April 24, 1935, Serial No. 17,937
1 Claim. (Cl. 285—84)

In a hose coupling having a metallic body portion provided with an integrally connected nipple, radial wall and outer sleeve, and a hose arranged within the annular space defined by said nipple, wall and sleeve, means for securing said coupling on said hose comprising an inwardly extending compression rib formed on the outer sleeve, the

construction and arrangement being such that the hose material is forced against said radial



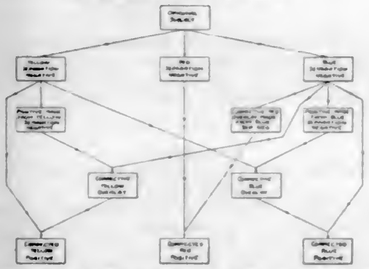
wall and the end of the sleeve is flared outwardly for reducing the abrasive effect of the end of the sleeve on the hose material.

2,099,916

COLOR CORRECTED PRINTING

William J. Wilkinson, Eastchester, N. Y., assignor of one-half to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 21, 1935, Serial No. 50,867
15 Claims. (Cl. 95—5.1)



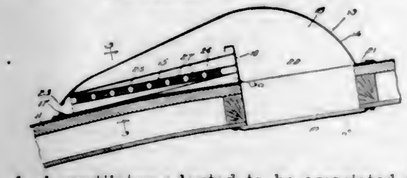
2. In the art of printing, making a set of yellow, red and blue separation-negatives of the subject through violet, green and orange filters respectively, making a first positive of the yellow-separation negative, making a yellow overlay from a combination of said first positive and said blue-separation negative, making a color-corrected yellow printing-plate from said overlay and said yellow-separation negative, making a red positive overlay from said blue-separation negative, making a color-corrected red printing-plate from said red-separation negative and said red overlay, making a third positive of said blue-separation negative, making a blue overlay from a combination of said yellow-separation negative and said third positive, making a color-corrected blue-separation printing-plate from a combination of said blue-separation negative and said overlay, and printing in superposed relation with said printing-plates.

2,099,917

VENTILATING DEVICE FOR CARS AND THE LIKE

Nicholas L. Willer, Chicago, Ill., assignor to Railway Utility Company, Chicago, Ill., a corporation of Illinois

Application June 3, 1935, Serial No. 24,593
12 Claims. (Cl. 98—19)



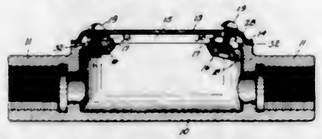
1. A ventilator adapted to be associated with a ventilating opening in a car or the like, comprising a casing having an open end adapted to be connected to the car opening, said casing also having a wall with aspirating openings therein and along which outside air sweeps as the car moves along, there being a tendency to exhaust air through said wall openings as the car moves along, and means directly associated with said wall and projecting both above and below said openings for neutralizing the tendency of air to exhaust through said openings.

2,099,918

COVER FOR CONDUIT OUTLET BOXES

Daniel B. Winter, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application June 10, 1936, Serial No. 84,493
2 Claims. (Cl. 247—15)



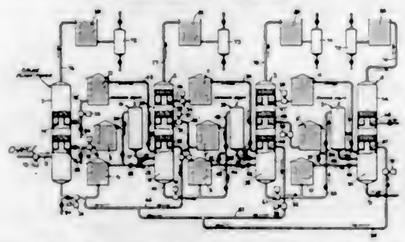
1. The combination of a conduit outlet box having an opening in one side, of a cover for the open side having a marginal bearing face overlying the edge wall around the opening, a channel member arranged on the under side of the cover adjacent said marginal face with the sides of the channel extending toward said marginal face, said channel and cover being provided with a complemental projection and aperture, with the projection extending through the aperture and being swedged over to secure the channel to the cover, a nut arranged in the channel member, a screw extending through the cover from the outside thereof and threading in the nut, the nut and channel member having coacting surfaces to effect movement of the nut toward the marginal edge of the cover and into engagement with the side wall of the box when the screw is threaded into the nut.

2,099,919

PROCESS FOR THE TREATMENT OF HYDROCARBON OIL

Maurice H. Arveson, Highland, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 29, 1934, Serial No. 759,620
10 Claims. (Cl. 196—49)



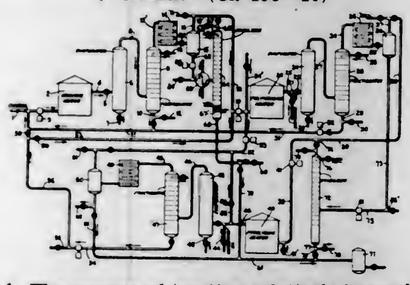
1. The process of treating hydrocarbon oil which comprises subjecting heavy oil to distillation to form a condensate fraction and a liquid residue, cracking said condensate and said liquid residue by passing each through a separate heating zone in a stream of restricted cross-sectional area wherein a cracking temperature is attained and conversion occurs, introducing the resulting cracked products into a first separating zone wherein vapors separate from liquid residue, subjecting said vapors to a fractionating operation to form a final desired distillate and a reflux condensate, subjecting said reflux condensate to cracking by passing it through a heating zone in a stream of restricted cross-sectional area wherein said condensate is raised to a cracking temperature and subjected to conversion, combining the resultant stream of hot cracked products with said liquid residue last mentioned and maintaining the combined constituents at a cracking temperature to effect conversion of said liquid residue, introducing the resulting cracked products into a second separating zone wherein vapors separate from liquid residue and fractionating said vapors to form an additional quantity of final desired light distillate.

2,099,920

PROCESS OF TREATING HYDROCARBON OIL

Harold V. Atwell, White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application September 19, 1933, Serial No. 690,055
7 Claims. (Cl. 196—10)



1. The process of treating relatively heavy hydrocarbon oil for the production of gasoline which comprises subjecting said hydrocarbon oil to a cracking operation to cause formation of relatively high anti-knock gasoline fractions, separating from the resulting cracked products distillate falling in the desired boiling range but having an end point of from 250° to 300° F., that is to say, an end point lower than that desired for the final product, a condensate containing constituents boiling above 300° F. and within the upper portion of the boiling range of the desired product, heavier products and gas, returning at least a part of said condensate to the cracking operation for further treatment, subjecting said gas to heat and pressure to effect conversion of constituents thereof to liquid in the desired boiling range and heavier normally liquid hydrocarbons, recycling heavier normally liquid hydrocarbons thus obtained to the cracking operation to effect drastic cracking thereof and blending liquid so formed with said gasoline fractions first mentioned to form a final product having the desired boiling point range.

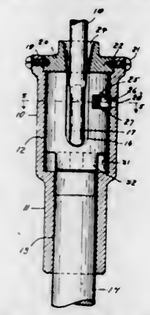
2,099,921

LINE TAP STICK WRENCH

Stephen P. Becker, Poughkeepsie, N. Y.

Application October 7, 1936, Serial No. 104,407
1 Claim. (Cl. 81—53)

In a stick-wrench of the class described, the combination of a head formed with an axial bore and mounted upon a stick, of a socket-member formed with a transverse slot in its outer end and rotatably mounted within the bore of said head, a driving lug located in the bottom of said axial bore, a driven lug formed on the bottom of said socket-member in the path of said driving lug and adapted to contact therewith to rotate said socket-member, and means for retaining said



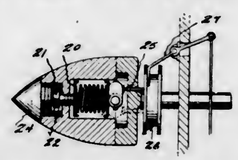
socket-member either in a driving, neutral or driven position within the head, comprising radial holes formed in the wall of said head and a spring actuated ball latch mounted in said socket-member for selective engagement therewith.

2,099,922

SCREW PROPELLER

Edward Lawrence Bellman, Rockford, Ill., assignor of one-half to Elmer W. Johnson, Rockford, Ill.

Application March 4, 1935, Serial No. 9,236
1 Claim. (Cl. 170—162)



A variable pitch propeller comprising a tapered conical hub having a front pocket and a rear chamber portion, a propeller shaft terminating with a flange for closing the hub chamber, means for securing said flange to the hub, the surfaces of said hub and flange being routed to form radial bearings, blade stems journaled in the bearings, cams carried by each stem disposed in the rear chamber portion, said cams being oppositely disposed relative to each other, a pressure plate mounted in said chamber portion engageable with the cams, a follower plate in said chamber portion, an expansion spring disposed between the plates, an adjusting screw extending through the hub pocket into the chamber and engageable with the follower plate, and a head cap in threaded union with the hub pocket serving as a closure therefor.

2,099,923

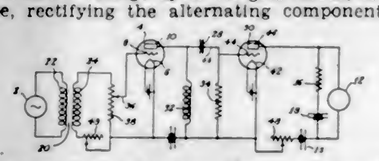
METHOD AND MEANS FOR MEASURING DYNAMIC CHARACTERISTICS

Edward Lindley Bowles, Wellesley Farms, Mass.

Original applications August 15, 1928, Serial Nos. 299,695 and 299,696. Divided and this application May 13, 1935, Serial No. 21,217
40 Claims. (Cl. 250—27)

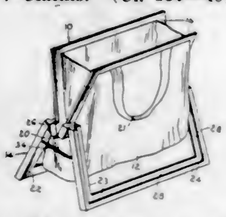
1. In the process of determining the mutual conductance of a vacuum tube, the method which comprises impressing a predetermined alternat-

ing-current voltage upon the grid circuit of said tube, rectifying the alternating component re-



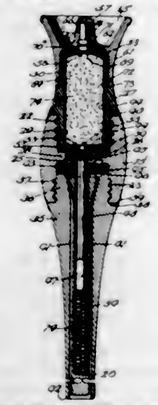
sulting in the plate circuit from said impressed voltage, and measuring the rectified current.

2,099,924
HANDBAG
Albert M. Bressler, New York, N. Y.
Application November 4, 1935, Serial No. 48,075
7 Claims. (Cl. 150—49)



1. A convertible container comprising a main frame including two inverted U-shaped members pivotally connected together at their lower ends, a flexible bag secured to said members, said bag having an upper portion defined by separable upper edges secured to said frame members, side portions also attached to said members, and a closed-bottom lower portion extending below the pivoted ends of said members, and an auxiliary frame comprising two U-shaped members pivotally connected to said first mentioned frame members above the lower pivotally connected ends of the latter and adapted, in one position, to be disposed in substantially overlying relation thereto, and in another position, to be disposed at least partly below said main frame to constitute a support therefor.

2,099,925
SMOKING TUBE
Edmund Bruder, Chicago, Ill.
Application May 9, 1935, Serial No. 20,653
19 Claims. (Cl. 131—22)



3. A smoking tube of the character described comprising a body formed of separable sections and embodying a tobacco chamber, said chamber having an end wall provided with openings therethrough, and a freely rotatable element adjacent said wall, said element providing an abutment for the tobacco, said element being disposed within said chamber and provided with openings therethrough adapted to be moved into and out of register with the openings in said wall, as the element is rotated.

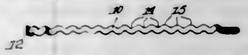
2,099,926
SMOKING TUBE
Edmund Bruder, Chicago, Ill.
Application June 3, 1936, Serial No. 83,239
11 Claims. (Cl. 131—22)



8. A smoking tube of the character described embodying axially alined sections telescoping one with the other, a circumferential channel in the periphery of one of said sections, grooves intersecting the said channel, the bottoms of said grooves being concaved, the walls of the grooves having opposed recesses communicating with the respective grooves, a resilient member seated in said channel and provided with arms seated in said grooves, formations on said arms seated in said recesses and normally projecting beyond the periphery of that section in which said grooves are located, a channel in the inner face of the other member to receive the said formations to yieldingly lock the sections against separation but for rotation one with respect to the other, and seats in the last recited channel for receiving said formations for yieldingly locking said sections against relative rotation.

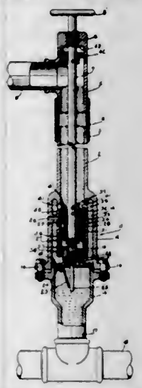
10. A smoking tube of the character described embodying a plurality of axially alined sections separably secured together, a tobacco chamber in one section and having an end wall, an abutment in the tobacco chamber, means for urging the tobacco against the abutment, a stem on the abutment passing through an opening in said end wall, and a fastening element recessed in said stem and contacting the said wall for rotatably securing the abutment in position, a portion of said stem beyond said fastening means being angular in cross section, there being a recess in the other of said sections conforming in contour to and receiving the said angular portion of the stem, whereby upon rotation of the said other section with respect to the first said section said abutment will also be rotated in said tobacco chamber, and means for yieldingly locking said sections against separation.

2,099,927
HAIRPIN
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1936, Serial No. 80,899
Renewed July 28, 1937
11 Claims. (Cl. 132—50)



6. A hairpin comprising two legs connected by an integral bend, each of said legs having lateral notches formed in its side, the notches of one leg being aligned with the notches of the other leg.

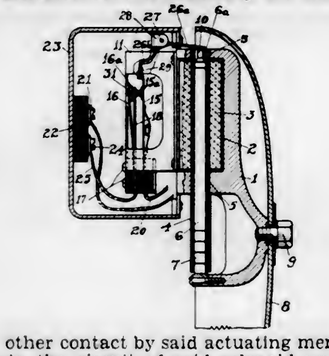
2,099,928
HYDRANT
John Doppelhammer, Twin Lakes, Minn.
Application July 20, 1936, Serial No. 91,534
4 Claims. (Cl. 137—13)



1. A hydrant comprising a stand pipe provided at its lower end with a valve casing, a cylinder within the valve casing having its walls spaced from the wall of the casing to provide a chamber, said chamber having a valve opening in its lower portion for establishing communication between the chamber and a supply pipe, a valve for closing said valve opening, an operating rod for the valve having a threaded connection with the stand pipe, whereby rotation of the rod will seat or unseat the valve, a drain passage for the stand pipe, whereby its contents may be drained therefrom, when the valve is closed, and a piston device having an axial bore for receiving the operating rod and whereby the rod and piston device are adapted for free relative rotation, and means for preventing longitudinal movement of the piston device on the rod.

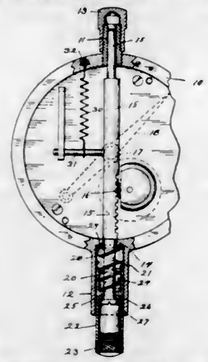
2,099,929
ELECTROMAGNETIC BELL
Joseph F. Ebert, Hollis, N. Y., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application June 18, 1931, Serial No. 545,355
1 Claim. (Cl. 177—7)

In an electromagnetic bell, the combination with a magnetic frame carrying a solenoid, a magnetic plunger movable axially of the solenoid and a gong carried by said frame with its open rim extending in the path of movement of said plunger, of a circuit making and breaking device for controlling the energization of said solenoid comprising a pair of yieldable contacts normally in engagement to maintain the circuit of said solenoid, with one of said contacts initially deflected, a rigid stop interposed between said contacts out of engagement therewith, and an actuating member responsive to movement of, said plunger towards said gong for engaging the undeflected contact before said plunger strikes the gong and moving it away from the deflected contact, the initially deflected contact following the movement



of the other contact by said actuating member to maintain the circuit of said solenoid until said contact strikes said stop, after which further movement of the other contact by the actuating member serves to break the circuit of the solenoid just as said plunger strikes the gong, downward movement of said plunger following deenergization of the solenoid permitting re-engagement of said contacts, free of said stop, to re-energize said solenoid in advance of the arrival of said plunger in its lowermost position.

2,099,930
SHOCKPROOF ATTACHMENT FOR DIAL INDICATORS
Alfred H. Emery, Poughkeepsie, N. Y., assignor to Standard Gage Company, Inc., Poughkeepsie, N. Y., a corporation of New York
Application June 15, 1936, Serial No. 85,340
3 Claims. (Cl. 33—172)



1. A shock absorber for gear driven dial indicators having a tubular casing stem, a rack-plunger extending therein and means for normally retaining said plunger in a receded position, of a shock absorbing member slidably mounted within said tubular stem and upon said plunger, means for positively limiting the outward movement of said member with respect to the plunger and means for cushioning the inward movement

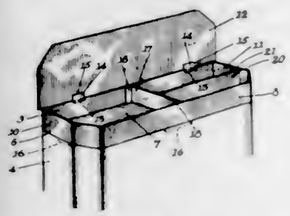
of said member with respect to the stem and without imparting movement to the plunger, but permitting its further inward movement.

2,099,931
TAMPON
Charles A. Fourness, Appleton, Wis., assignor to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application April 15, 1935, Serial No. 16,321
8 Claims. (Cl. 128—285)



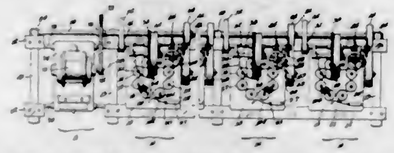
3. A tampon of the class described, comprising an elongated core formed of absorbent cellulosic material, an open mesh fabric encircling said core and strengthening the same against breakage from longitudinal tension, a covering of smooth fibrous material on said core and said fabric, and a moisture permeable sizing on said covering.

2,099,932
WATER TANK COVER
Carl C. Isaacson, Chicago, Ill., assignor to Louis J. Sladek, Chicago, Ill.
Application April 11, 1936, Serial No. 73,826
1 Claim. (Cl. 4—68)



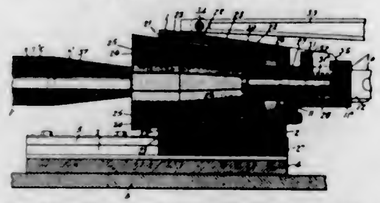
A cover for closing the open top of a water tank for a water closet and comprising a bottom wall of substantially the same shape and size as the outside of the top of the water tank whereby said bottom wall may be rested on the top of the tank, side and end walls projecting upwardly from the bottom wall and providing a storage space in the cover, a plurality of partitions dividing the storage space into a plurality of compartments, the body of said partitions having foot portions at the ends thereof bent at an angle thereto, the foot portions on one of said partitions engageable with opposite side walls of said cover and the foot portions on the other of said partitions engageable one with an end wall and the other with said first mentioned partition, a lid hinged to the cover for closing the top of the compartments, and lugs on the bottom of the cover and spaced inwardly from the edges thereof to engage the inner sides of the walls of the tank to removably retain the cover in closing position on the top of the tank and whereby said cover walls are in substantial alignment with the tank walls.

2,099,933
MULTISECTION BRAIDING MACHINE
Henry Janssen, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application April 6, 1935, Serial No. 15,048
7 Claims. (Cl. 96—19)



1. In a braiding machine having bobbin carriers in combination, a friction clutch having a driving member and a driven member, a shifting member for engaging and disengaging said driving and driven members, a spring for biasing said shifting member toward the engaging position, an operating lever member mounted to move freely away from said shifting member and to contact it when moved in the opposite direction, a second spring arranged to throw said operating member against said shifting member and having strength to overcome said first spring, latch means for holding said operating member against said second spring to cause the clutch to be operated by said first spring comprising a shaft having a nose with a surface in the form of a smooth curve arranged, when the clutch is operative, to seat in a similarly formed recess in said lever member and said lever having a rounded knob adapted and arranged, when the clutch is inoperative, to bear against said smooth surface to hold said lever against said second spring, a finger fixed to said shaft, a stop arranged to contact said finger to prevent said knob from passing off said curved surface, a handle fixed to said shaft for swinging said nose back into the recess in the lever, a cam finger fixed to said shaft, a part carried by a bobbin carrier of the machine and arranged to be held out of contact with said cam finger by a thread being wound and to drop into position to contact said cam finger upon breakage of said thread, said cam finger and thread released part arranged to act to throw said nose out of its socket in said lever member.

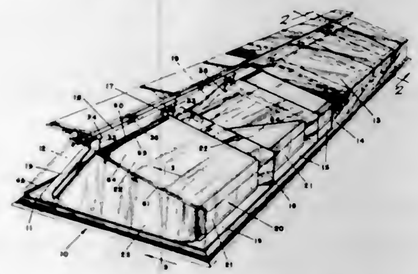
2,099,934
COMPRESSOR MECHANISM
William Abbott Joplin, Quincy, Mass., assignor to reinforced Paper Bottle Corporation, New York, N. Y., a corporation of Delaware
Application November 2, 1936, Serial No. 108,779
2 Claims. (Cl. 93—36.3)



1. In a paper bottle making machine, the combination with a mandrel on which bottle body

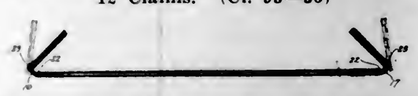
blanks are wound, of an alternately expandible and contractible pressure device comprising a conical shell slidably mounted in guide ways to move axially to and from a concentric position with the mandrel, a longitudinally grooved lining in the shell, pressure members slidable in the grooves and having cross grooves, a bracket at the small end of the shell, a spindle extending axially from the bracket into the shell, a spring pressed sleeve mounted on the spindle having the head located in the shell and fitting into the cross grooves of the pressure members, means for automatically locking the sleeve stationary during the initial return movement of the shell, and means for automatically releasing the sleeve at the end of the initial movement of the shell.

2,099,935
SHOWCASE AND SHAM CONSTRUCTION
Leo W. Kennedy, Detroit, Mich.
Application November 12, 1934, Serial No. 752,734
7 Claims. (Cl. 312—126)



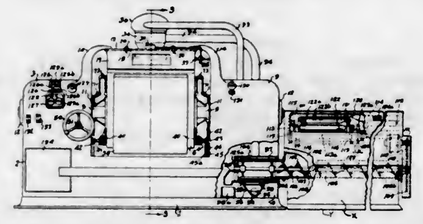
1. In a show case construction having a floor section and having a top wall section, a sham having a front wall supported upon the floor section and having a top wall, means carried by the front wall for removably supporting the front side of the top wall of the sham in predetermined relationship to the top wall of the case and providing a fulcrum permitting the rear side of the top wall of the sham to be moved from a position adjacent the floor section to a position adjacent the top section of the case, and means for removably supporting the rear side of the top wall of the sham in the latter position thereof.

2,099,936
ART OF MANUFACTURING CONTAINERS OR PARTS THEREOF
Herbert M. Kieckhefer, Riverton, N. J., assignor, by mesne assignments, to Kieckhefer Container Company, Delair, N. J., a corporation of Delaware
Application June 8, 1936, Serial No. 84,148
12 Claims. (Cl. 93—36)



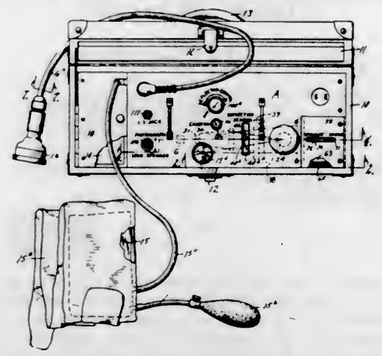
3. The method of manufacturing a container element comprising scoring a section of corrugated board along desired lines, dipping the corrugated board into melted impregnating material, folding portions of the element on said lines of scoring to a superimposed compact condition for shipment prior to solidification of the impregnating material, permitting the impregnating material to solidify to thereby hold the element in said compact condition, and subsequently bending said folded portions to approximately ninety degrees for assembly purposes.

2,099,937
APPARATUS FOR DOUGH PREPARATION
Edward J. Lauterbur, Sidney, Ohio, assignor to Peerless Bread Machinery Corporation, Sidney, Ohio, a corporation of Ohio
Application April 9, 1934, Serial No. 719,685
5 Claims. (Cl. 107—4)



1. In mixing apparatus, a bowl mounted for tilting, mixing means in the bowl, a stationed cover for the bowl, closing the bowl when the bowl is tilted into position for mixing operation, water distributing means mounted on the stationed cover for discharge into the bowl, means stationed aside from the bowl and cover, for supply of water to said distributing means, a device mounted on the stationed cover for supplying a leavening ingredient to the contents of the bowl, and means for diverting a part of the water from said supply means to said device, introducing the water to said device with a disseminating action on the leavening ingredient therein.

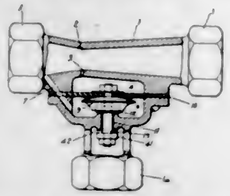
2,099,938
ELECTROSTETHOGRAPH
Marshall L. Lockhart, Des Moines, Iowa
Application February 5, 1934, Serial No. 709,797
11 Claims. (Cl. 128—2.05)



1. In an electrostethograph, a casing, an electric bulb therein, a galvanometer in the path of light therefrom, a film reception housing within said casing, said casing having a film compartment, a roll of film therein, a roller engaging said film for propelling it, means for rotating said roller, a controller for said means, a lens adjacent said roller and between the film and the galvanometer for concentrating light from the

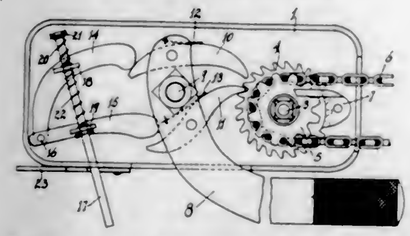
galvanometer on the film, said roller upon rotation causing said film to leave said film compartment, pass said lens and enter said film receiving housing, a microphone, an amplifier for amplifying the output of said microphone, said microphone being connected with the input of said amplifier and the output of said amplifier being connected with said galvanometer whereby vibrations picked up by the microphone are recorded on the film when said means is in operation as a result of operating said controller and a common source of current supply for said electric bulb, galvanometer and amplifier.

2,099,939
SAMPLING VALVE
George F. McDougall, Portland, Oreg.
Original application May 11, 1937, Serial No. 141,946. Divided and this application July 24, 1937, Serial No. 155,480
5 Claims. (Cl. 182—12)



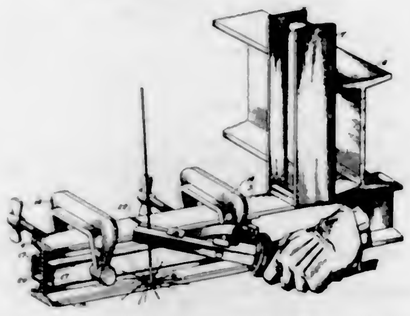
1. A sampling valve for insertion in a water supply line comprising a body within which is a chamber, a flexible diaphragm forming a wall of said chamber, a Venturi tube in the chamber positioned to affect the diaphragm responsive to flow, a sampling mechanism associated with said body and double beat valve means for controlling said sampling mechanism that are controlled by said diaphragm.

2,099,940
CHAIN JACK
Carl Orville Nelson, Long Beach, Calif.
Application November 5, 1935, Serial No. 48,317
5 Claims. (Cl. 254—171)



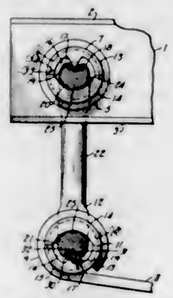
1. In a chain jack comprising a housing, a gear rack journaled in the housing, a sprocket rotatable with the gear rack, and a handle pivotally mounted in the housing adjacent the gear rack, a pair of dogs pivotally mounted on the handle, one end of said dogs being adapted to engage the gear rack and to rotate same as said handle is operated, a pair of fingers pivotally mounted in the housing, each one of said fingers being engageable with one of the dogs, and means selectively pressing said fingers against the dogs whereby the dogs are controlled to permit reverse movement of the gear rack and free movement of the gear rack.

2,099,941
BUILDING CONSTRUCTION
Cecil C. Peck, Cleveland, Ohio
Application April 8, 1932, Serial No. 603,955
2 Claims. (Cl. 189—36)



1. A joint comprising a metallic member, two blocks welded to a surface thereof and shaped to fit a part of the surface of the end of a metallic rolled section, a metallic rolled section having an end positioned in contact with said blocks, and welding uniting the blocks and rolled section to the first mentioned piece.

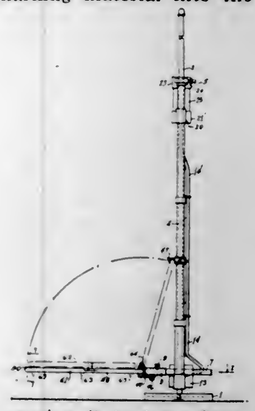
2,099,942
SPRING SHACKLE
Albert N. Porter, Tulsa, Okla., assignor to J. F. Darby, Tulsa, Okla.
Application October 5, 1936, Serial No. 103,958
2 Claims. (Cl. 267—54)



1. A spring shackle including a U-member having parallel shanks provided with V-shaped longitudinal grooves forming knife edge bearing seats, collars on the shanks, bushings loosely engaged over said shanks and having ribs provided with knife edge bearings for engaging in said seats, and means cooperating with the collars to retain the bushings.

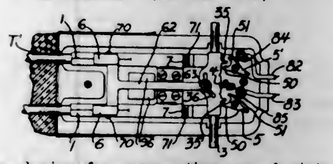
2,099,943
GARMENT MARKER
Abraham Robert Price, San Francisco, Calif.
Application September 2, 1936, Serial No. 99,115
5 Claims. (Cl. 33—9)

5. In a garment marker, a hollow ring having a section swingable into open position to permit a person to enter the ring, the free end of the section being closed and the end of the ring disposed adjacent to the free end also being closed, said ring and section having a plurality of small openings on their inner wall, and means for forcing a marking material into the ring and



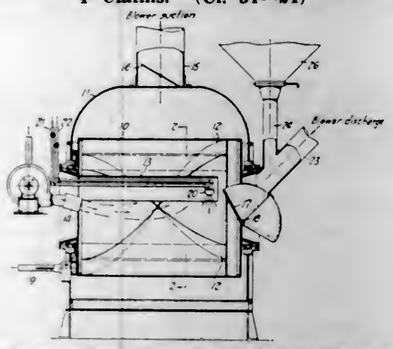
section for causing it to issue from the small openings.

2,099,944
ELECTRICAL CONNECTER
Ellsworth E. Saxton, Seattle, Wash.
Application March 25, 1933, Serial No. 662,675
Renewed April 20, 1937
19 Claims. (Cl. 200—50)



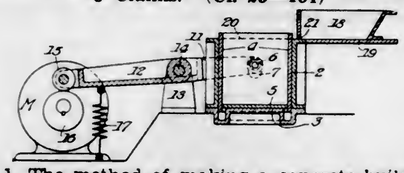
1. In a device for connecting an electric terminal to a source of current, means to engage and retain the terminal, switch means controlling the supply of current to the terminal when thus engaged, and switch-operating means operable only after the switch means is in the "off" position to move the terminal retaining means positively into disengaged position, thereby to free the terminal.

2,099,945
METHOD FOR THE TREATMENT OF COFFEE OR THE LIKE
Paul R. Simpson, San Mateo, Calif.
Application September 22, 1934, Serial No. 745,075
4 Claims. (Cl. 34—24)



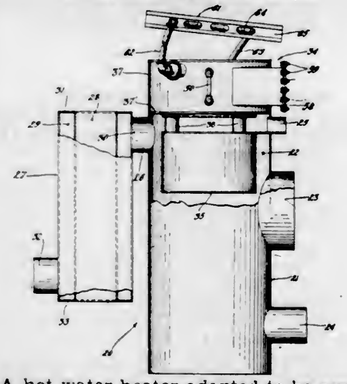
4. In a method of cooling coffee or like material after roasting, the improvement which comprises injecting into the material an atomized cooling liquid and simultaneously injecting into the material a volume of non-condensable gas in excess of the quantity required to atomize the liquid, said gas being injected under pressure and at a velocity greater than the normal circulation of air whereby to distribute the liquid or its vapor uniformly throughout the mass of material.

2,099,946
METHOD OF MAKING CONCRETE BUILDING BLOCKS
Francis J. Straub, New Kensington, Pa.
Application January 21, 1936, Serial No. 60,073
3 Claims. (Cl. 25—154)



1. The method of making a concrete building block consisting in compressing plastic aggregate in a mold by a tamping action and smoothing a face of the block during the tamping action by a trowelling action in a direction parallel to the direction of tamping.

2,099,947
WATER HEATING UNIT
Clarence Tompson, South Norwalk, Conn., and George Ray, Port Chester, N. Y., assignors to Ray Airconditioning Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1936, Serial No. 103,652
8 Claims. (Cl. 122—32)

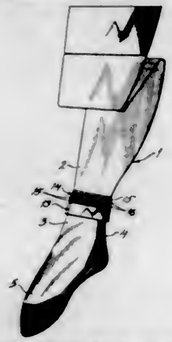


3. A hot water heater adapted to be associated with a hot air furnace having a fire chamber therein, said heater comprising a boiler; a steam head spaced upwardly from said boiler; a plate having a flat outer perimetric section, serving as a closure for the bottom of said steam head, adapted also to form a closure for the top of said furnace; a water tube connecting the upper portion of said boiler to the lower portion of said head; and a heating coil in said steam head having an inlet for connection to a water supply and an outlet for connection to a hot water outlet.

6. In a heating unit, the combination of a hot air furnace having a fire chamber therein; and a hot water heater forming a closure for the top of said chamber, said heater comprising a boiler

positioned in said chamber, having a fire tube therein, a steam head spaced upwardly from said boiler and having a flanged opening at one side thereof, a removable plate closing said opening, a water tube connecting said head and said boiler, and a heating coil in said steam head, having an inlet and an outlet portion extending through said removable plate for connection to a water supply and a hot water outlet respectively.

2,099,948
STOCKING
James Underwood, Easton, and Sterling Mack, Bangor, Pa., assignors to Julius Kayser & Company, Brooklyn, N. Y.
Application February 4, 1936, Serial No. 62,238
4 Claims. (Cl. 66—178)



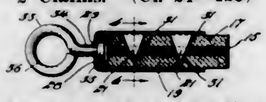
1. A stocking comprising, in combination, a leg section, a boot connected to the leg section, and a cuff arranged at the point of juncture between said leg fabric and boot and having an elastic material incorporated therein whereby to draw the same close to the leg of the wearer.

2,099,949
UNDERGARMENT SUPPORT
Ethel A. Wangenheim, San Francisco, Calif.
Application December 15, 1936, Serial No. 115,924
1 Claim. (Cl. 2—42)



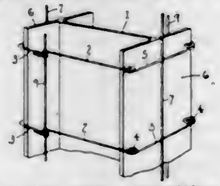
The combination with a backless outergarment provided with shoulder portions and lingerie straps secured to the underside of the shoulder portions, and an undergarment, of straps having only one of their ends secured to only the front of the undergarment, the free ends of the last-named straps being disposed beneath the shoulder portions so as to be covered thereby, and passed through the lingerie straps, said undergarment supporting straps being bent back upon themselves, and cooperating means carried by the ends of the undergarment straps and at spaced distances from the ends for adjusting the effective lengths of the straps for causing them to connect the front of the undergarment to the lingerie straps, whereby the undergarment is supported without exposing any straps on the backless portion of the outergarment.

2,099,950
HARNESS CORD
Oscar N. Whitehead and Walter H. Toelle, Wallingford, Conn., assignors, by mesne assignments, to The Danielson Manufacturing Company, a corporation of Connecticut
Application January 11, 1936, Serial No. 58,681
2 Claims. (Cl. 24—123)



1. In a harness cord construction having a multi-strand flexible wire core sheathed in braided textile, a ferrule comprising a cylindrical wall and an end flange extending inwardly to form an end opening, a prong struck from the material of the side wall in a plane longitudinal to the core of the harness cord and of sufficient length to imbed in the strands of the wire core, and an attaching member having a shank extending through the opening and an enlarged head within the ferrule engaging said flange.

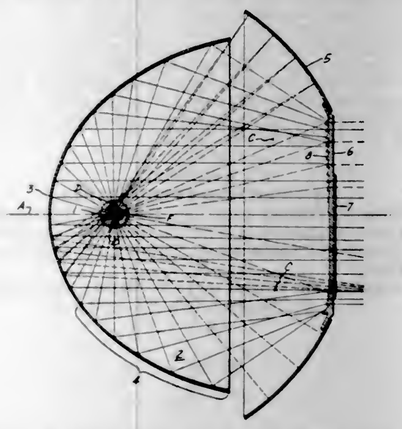
2,099,951
CONTINUOUS COLUMN CLIP
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application April 16, 1936, Serial No. 74,720
10 Claims. (Cl. 72—76)



6. A column clip unit comprising a plurality of U-shaped transverse members having extending arms and spacing offsets at the bases of the arms thereof, and a longitudinal member secured to one arm of each transverse member, said member being secured to said arm at a point on the arm adjacent the outermost end thereof.

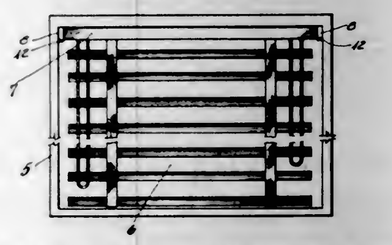
2,099,952
ILLUMINATING DEVICE
Thomas J. Brock, San Jose, Calif., assignor of thirty percent to Jennie L. Lean, San Jose, Calif.
Application December 4, 1935, Serial No. 52,801
2 Claims. (Cl. 240—41.3)

1. In an illuminating device, a source of light, reflecting means associated therewith comprising a parabolic surface having said source at its focus, a curved surface adjacent said parabolic surface generated by revolving an arc of a circle about the axis of the parabolic surface and having a radius intersecting said axis, and an annular reflector for directing light from said source against said parabolic surface at such an angle as to produce rays divergent from the para-axial beam produced by said parabolic surface from light reaching it directly from said source, said annular reflector being a toric surface the



radius of which does not intersect the axis of said para-axial beam.

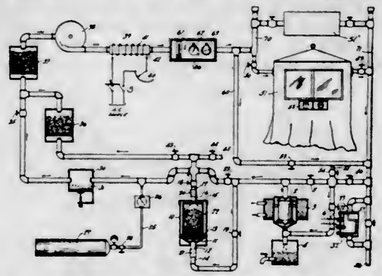
2,099,953
VENETIAN BLIND SUPPORTING BRACKET
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Saginaw, Mich., a corporation of New York
Application October 10, 1936, Serial No. 104,997
5 Claims. (Cl. 156—17)



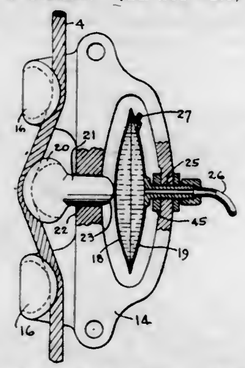
1. A bracket for removably holding a casing including a horizontally disposed shelf, a front wall hingedly secured to the bracket and adapted to be swung laterally to either open or closed position, and means for locking said member in its closed position.

2,099,954
APPARATUS AND PROCESS FOR TREATMENT OF RESPIRATORY DISEASES
Donald D. Cook, Chicago, Ill., assignor of one-fourth to Rodney G. Richardson, one-fourth to John W. Martin, and one-fourth to Muriel K. Fuller, all of Chicago, Ill.
Application March 4, 1935, Serial No. 9,261
Renewed September 4, 1937
15 Claims. (Cl. 128—191)

1. In combination, an air storage reservoir adapted to enclose the external breathing organs of a patient, a closed circulating system for withdrawing air from said reservoir and for returning the air, means in said system for regulating the amount of water vapor and carbon dioxide in the air, air cooling means included in the vapor regulating means, means for introducing oxygen into the system, and means for heating the air in the system before it is returned to said reservoir to compensate for the heat absorbed by said cooling means.



2,099,955
FLUID TRANSMISSION SCALE
Charles R. Edwards, Houston, Tex.
Original application October 2, 1922, Serial No. 591,755. Divided and this application September 8, 1934, Serial No. 743,290
2 Claims. (Cl. 265—1.6)

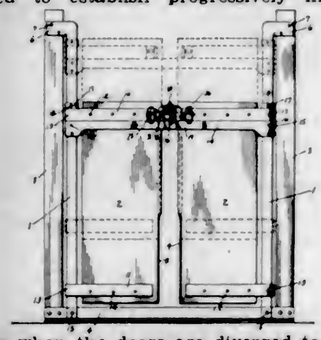


1. Hydraulic apparatus for revealing loads which comprises a main body, a fluid-holding cavity, a member capable of limited reciprocatory movement relative thereto, means for confining the fluid in said fluid-holding cavity between said main body and said member, said means including a flexible element yieldable to transverse pressure, means for so securing a flexible element relative thereto as to produce a predetermined deflection in said flexible element, operable means adapted to shift the relative position of said member so as to change the relative degree of said movement of said member for a given load on said flexible element, and means connected to said main body for revealing the pressure upon said fluid caused by a load on said flexible element.

2,099,956
HOG TRAP
John Henry Flatley, Little York, Ill., assignor of one-half to Edward G. Flatley, Rock Island, Ill.
Application September 18, 1935, Serial No. 41,018
8 Claims. (Cl. 119—98)

1. In a hog-trap, in combination, a support comprising spaced tubular uprights, a pair of doors, straps attached to the doors having turned ends which embrace said uprights forming elements of hinges, the uprights forming the other

elements of the hinges, a flexible member comprising corresponding lengths, the free end of each of which has a pivotal connection with a strap of each of the doors adapted for aligning and diverging the said doors, said member adapted to establish progressively increasing



tension when the doors are diverged to exert a pressure toward door alignment, means cooperating with the member for setting the doors in diverging positions, and means to lock the doors upon release of the setting means, whereby to prevent further divergence of the doors sufficient to release the trapped animal.

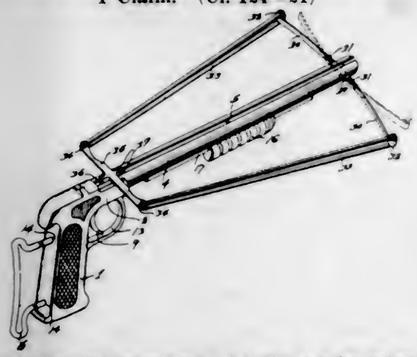
2,099,957

TOY AIRPLANE CATAPULT

Joseph W. Graham, Spokane, Wash.

Application March 14, 1936, Serial No. 68,849

1 Claim. (Cl. 124—21)



A catapult comprising a handle, a tube extending from said handle and formed with a longitudinally extending slot open at its front end, a cross bar extending transversely through said tube near the front end thereof, resilient strips carried by the cross bar and projecting from opposite ends thereof, a block slidable longitudinally in said tube and having a web along its upper portion projecting outwardly through said slot and formed with forks at its front end, a crosshead carried by the outer end of said web back of the forks and projecting from opposite sides of the tube, elastic bands connecting ends of said crosshead with outer ends of the resilient strips, a bumper projecting forwardly from said block within the tube for engaging the crossbar and limiting forward movement of the block when projected forwardly, the front end of the block above the bumper being stepped rearwardly to form a horizontal shoulder and above the shoulder being formed with a socket open at its front, an opening being formed in the under portion of said tube, a trigger pivoted to said handle and having a forwardly projecting arm carrying a bill projecting through the opening into the tube in position to engage the block under the bumper and hold the block in a set position with the elastic bands and resilient strips tensioned, and a spring engaging said trigger and yieldably resisting movement of the trigger in a direction to move the bill outwardly through the opening to a position for releasing the block.

2,099,958

MOUNT FOR INDICATORS

Walter F. Herold and Leo Deutsch, Springfield, Ohio, assignors to The Chaney Manufacturing Company, Springfield, Ohio, a corporation of Ohio

Application March 6, 1936, Serial No. 67,512

2 Claims. (Cl. 73—151)



1. A mount for an indicator of the character described, comprising a saucer like housing having a perforated back wall, a spacer ledge intermediate the front and rear planes of such saucer shaped housing to receive an instrument panel, a concavo-convex indicator panel engaging thereon and forming intermediate such panel and the perforated rear wall of the housing an air chamber communicating with atmosphere through the perforations in the rear wall, an indicator means associated therewith, and a transparent concavo-convex dome of greater depth than the concavo-convex indicator panel telescopically engaged with the housing and enclosing the indicator panel and associated indicator means.

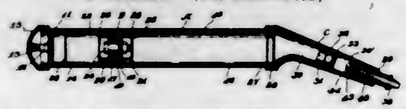
2,099,959

HAND AND AIR LOW PRESSURE GREASE GUN

August Johnson, Fargo, N. Dak., assignor to Jiffy Lubricator Company, Inc., Fargo, N. Dak., a corporation of North Dakota

Application April 21, 1934, Serial No. 721,806

9 Claims. (Cl. 221—47.4)



1. A hand air pressure grease gun including an air chamber, a grease chamber, a floating piston assembly between said chambers, a discharge nozzle including a check valve and movable closure plunger valve injecting tip having a valve head including a flexible removable seal thereon to seal said nozzle in one position, and spring means urging said nozzle into closed position.

2,099,960

WRENCH

Raymond B. Johnson, Gladewater, Tex., assignor of three-fourths to John Kraker, Gladewater, Tex.

Application February 4, 1937, Serial No. 124,089

4 Claims. (Cl. 81—106)

1. In a wrench, a stationary jaw, a handle extending rearwardly from said jaw, a guide carried by the stationary jaw, a movable jaw in front of the stationary jaw having a shank extending rearwardly through said guide, a clutch yoke fitting loosely about said handle and having its upper end pivoted to the rear end of said shank, walls of the handle-receiving passage of said clutch yoke being formed with cam surfaces for gripping the handle when the upper end of the



clutch is forced forwardly, a spring carried by said stationary jaw and extending into said guide and engaging said shank, a trigger extending rearwardly from said clutch between the handle and the pivotal connection of the clutch and shank, and a spring extending longitudinally of said handle with its rear end anchored to the handle and its forward end connected with the clutch yoke under said trigger.

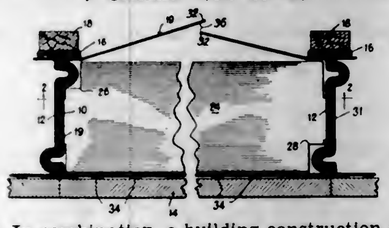
2,099,961

BUILDING CONSTRUCTION UNIT

Robert W. McLaughlin, Jr., New York, N. Y., assignor to American Houses, Inc., New York, N. Y., a corporation of Delaware

Application May 22, 1937, Serial No. 144,198

7 Claims. (Cl. 20—4)



1. In combination, a building construction unit comprising a panel element, a plurality of spaced stud elements affixed thereto and extending therefrom, said stud elements forming with said panel element a trough-shaped assembly, the interior faces of said stud elements being irregularly shaped, a moisture-resistant lining positioned within said assembly and in close contact with the interior faces of said stud elements, insulation material within said lining, and means to provide a passage-way for ventilation between said panel element and said lining.

2,099,962

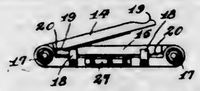
MINIATURE OFFSET PRESS

Manuel Mendivia, Washington, D. C.

Application June 6, 1936, Serial No. 84,001

6 Claims. (Cl. 101—130)

1. An offset printing press comprising a platen having a printing member swingably mounted upon one end thereof, a card-carrying member swingably mounted upon the other end of the platen, said members being adapted to be alter-



nately swung into operative position over the platen one above the other, the uppermost member having bearing contact with the other member.

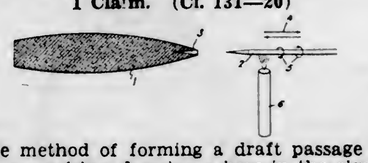
2,099,963

METHOD OF FORMING A DRAFT PASSAGE IN THE END OF A CIGAR

Herman Prager, Metairie, La.

Original application October 16, 1935, Serial No. 45,335. Divided and this application June 25, 1936, Serial No. 87,316

1 Claim. (Cl. 131—20)



The method of forming a draft passage in a cigar comprising, forming a bore in the cigar by piercing it with a displacing tool, communicating heat to the tobacco which forms the wall of said bore while the displacing tool is in place for destroying the elasticity of the tobacco, and oscillating the displacing tool while it is being entered and withdrawn to compact the contiguous tobacco, and to prevent winding of the tobacco upon the displacing tool or other adhesions between the tobacco and said tool which would tend to pull tobacco out into said bore or out of the cigar when the displacing tool is withdrawn.

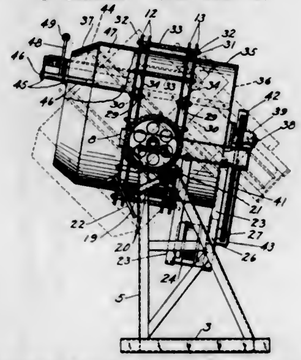
2,099,964

MIXING MACHINE

Earl J. Robbins, Seattle, Wash.

Application May 10, 1937, Serial No. 141,813

3 Claims. (Cl. 259—3)



1. A mixer comprising a supporting frame, a tilting frame supported thereby and including a pair of spaced rings and a U-shaped part each branch of which is secured to both of said rings, and each branch of the U-shaped part having a trunnion located between the rings and supported in a bearing on the main frame, one of the trunnions extending beyond the bearing and provided with a gear wheel, a worm and its shaft supported on the main frame and provided with a hand

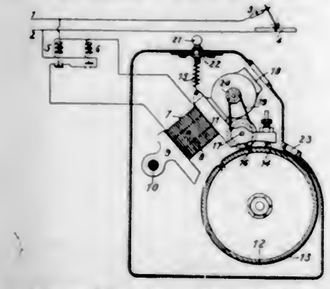
wheel, said worm engaging the gear, a mixing drum supported in the rings, said drum having a trunnion at its rear end supported by the U-frame, a motor carried by the tilting frame, and transmission mechanism between the motor and the trunnion at the rear end of the drum.

2,099,965

METHOD OF RECORDING THE WORK PERFORMED BY WELDERS

Robert Sarazin, Neuilly-sur-Seine, France

Application October 20, 1933, Serial No. 694,475
In France October 22, 1932
3 Claims. (Cl. 234—36.5)



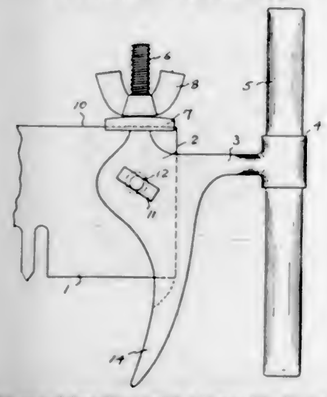
2. An elapsed time recorder comprising a working circuit, a normally open branch circuit connected across said working circuit, means responsive to a predetermined range of voltages across said working circuit for closing said branch circuit, and elapsed time exhibiting means operatively responsive to closure of said branch circuit.

2,099,966

CROSSCUT SAW HANDLE

Donald J. E. Smith, Vancouver, British Columbia, Canada, assignor to Joseph E. Whitten, Vancouver, British Columbia, Canada

Application December 15, 1936, Serial No. 116,021
2 Claims. (Cl. 145—111)



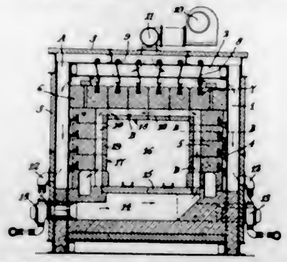
1. In combination with a saw blade having an eye in the ends thereof, a saw handle having a flat-sided body member and a vertical threaded stem integral therewith, a slot formed in said body member and in the lower portion of said threaded stem to permit said body member and lower portion of said stem to engage directly with said saw blade, an angularly disposed slot formed in and through said body member, a loosely mounted pin in said angular slot adapted to engage with the eye in said saw blade, a clamp washer having a shallow slot formed upon its lower side for engagement with the back edge of said saw blade, and means on said threaded stem to compress said clamp washer upon said saw blade after the eye of said saw blade has been engaged by the loosely mounted pin in said angular slot whereby said handle is brought into rigid engagement with said saw blade.

2,099,967

MUFFLE AND LIKE FURNACE

Henry Wilmot Spencer, Roehampton Lane, London, and Leonard Sherrington Davis, Bexley Heath, England

Application October 8, 1935, Serial No. 44,096
In Great Britain October 9, 1934
19 Claims. (Cl. 263—42)



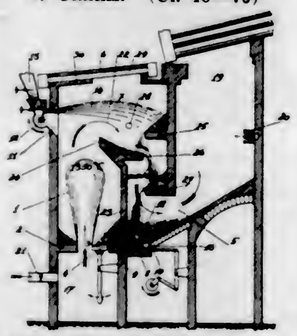
1. A muffle furnace construction comprising suspended arch refractory elements and muffle elements suspended from the arch elements to form a continuous muffle wall and affording passageways through which the products of combustion are intended to circulate.

2,099,968

GAS PRODUCER

Géza Szikla and Arthur Rozinek, Budapest, Hungary

Application April 11, 1934, Serial No. 720,138
In Germany April 18, 1933
10 Claims. (Cl. 48—76)



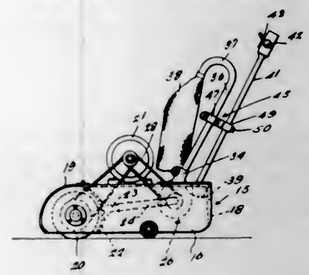
1. In a gas producer for gasifying and distilling combustible dust, especially coal dust, a gasifying chamber with a bottom opening for admission of air and removal of slags, a regulating means controlling said opening, a dust collecting chamber communicating with the gasifying chamber at its upper part and receiving hot gases and coke dust from said gasifying chamber, a coke dust return channel directly connecting the bottom portions of said chambers and ending at the bottom of the gasifying chamber whereby continuous circulation of coke dust through said gasifying chamber and said dust collecting chamber is permitted, and a device provided at the upper part of the gasifying chamber for introducing fresh coal dust in the shape of a screen across the cross sectional area of at least one of said chambers whereby the producer gases generated in said gasifying chamber are cooled to a temperature lower than the melting temperature of the slag.

2,099,969

FLOOR SURFACING MACHINE

George A. Berman, Lawrence, Mass., assignor of one-half to Oswald L. Rugaard, Lawrence, Mass.

Application May 14, 1937, Serial No. 142,710
6 Claims. (Cl. 51—176)



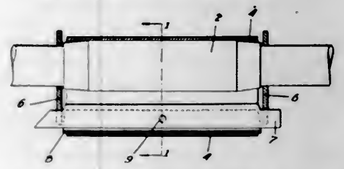
2. As a component part of a floor sanding machine of the class described, a mount in the form of a bodily applicable and detachable unit, said unit including an adapter plate having an apertured socket-equipped portion, an exhaust pipe mounted in said socket and adapted to support a dust collecting bag, a dust fan unit detachably bolted to the under side of said adapter plate and registerable with said apertured portion and socket, a pair of complemental handle rods, and means on said adapter plate for adjustably and detachably connecting corresponding lower ends of said rods to said adapter plate.

2,099,970

GUIDING OF BELTS IN HIGH-DRAFT MECHANISMS

Fernando Casablancas, Lausanne, Switzerland

Application September 8, 1936, Serial No. 99,823
In Spain September 20, 1935
8 Claims. (Cl. 19—131)



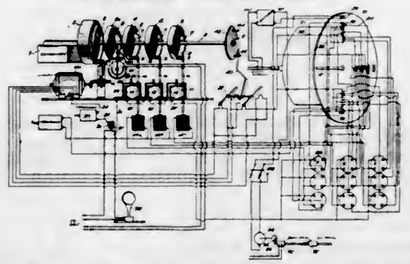
1. In a high-draft mechanism for textile fibres the combination of endless belts, cylinders for actuating said belts, a guiding frame, lateral plates in the said frame, guide rods introduced into the front curve of the belts, and belt engaging rods articulated to said guide rods and adapted to oscillate with respect to their normal position in order to compensate for the stretching and displacement to which the belts might be subjected.

2,099,971

AUTOMATIC CONTROLLER FOR A RADIO RECEIVING SET

Jay F. Dailey, Hillside, N. J., assignor of one-fourth to Raymond Schroeder, Essex County, N. J., and one-half to Martin T. Fisher and Aksel M. Pedersen

Application May 8, 1929, Serial No. 361,416
17 Claims. (Cl. 250—20)



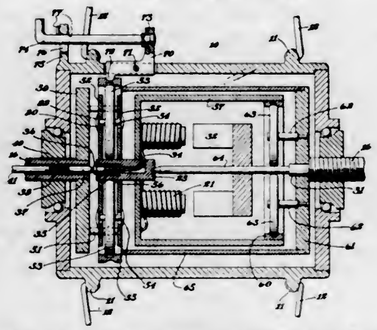
10. A device for controlling the volume of sound from a radio receiving set which is adapted to receive signals of varying strength, comprising tuning means, a rheostat, for controlling the filament current of a vacuum tube, and cam means simultaneously movable with the tuning means, for controlling the rheostat, the curvatures of the cam being shaped to control the volume of sound received from particular broadcasting stations.

2,099,972

ELECTRIC GENERATOR

Sten Gunnar Dalén and Emil Einar Wilhelm Anderson, Stockholm, Sweden, assignors to Aga-Baltic Radio Aktiebolag, Stockholm, Sweden, a corporation of Sweden

Application July 22, 1935, Serial No. 32,474
In Sweden July 29, 1934
14 Claims. (Cl. 171—209)



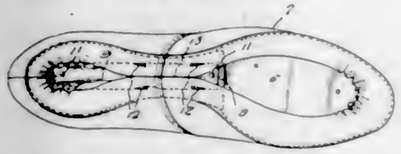
1. An electric generator including a first rotatable member, a second rotatable member mounted within and concentric with said first member, a plurality of rotatably mounted wheels internally engaging said first member and externally engaging said second member for transmitting rotary motion between said members, said first member being resilient so as to frictionally engage said wheel, at least one of said wheels being mounted on a floating shaft to permit radial displacement of the wheel, an armature element mounted on one of said members, and a field element mounted on the other of said members in operative relation with said armature element.

2,099,973
LIFESAVING AND SWIMMING PROPELLING DEVICE
Louis Marie de Corlieu, Saint Mande, France
Application September 21, 1933, Serial No. 690,474
In France April 6, 1933
5 Claims. (Cl. 9—21)



1. Swimming equipment, comprising a paddle adapted to be mounted on the foot having a substantially flat, flexible and resilient, non-pivoted portion extending for a substantial distance forwardly beyond the toes and arranged tangential to the plane of the toes and so situated with respect to the foot as to lie substantially in alignment with the leg when the foot is extended in line with the leg in the position for performing the crawl stroke, means mounted on said paddle accurately fitting the foot and securing the paddle thereto.

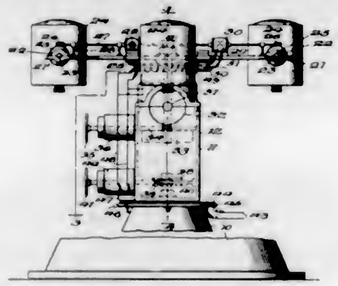
2,099,974
PROCESS OF MAKING SHOES
William I. Duga and Alfred H. McNalley, San Francisco, Calif.; said McNalley assignor to said Duga
Application July 30, 1936, Serial No. 93,506
1 Claim. (Cl. 12—142)



The improvement in the process of making shoes which consists in supplying an insole having attached thereto a metal shank stiffener having clinching prongs struck downwardly from the longitudinal edges thereof, engaging the margins of an upper along the shank portion of the shoe with said prongs and overlapping said margins at said portion upon the forward portion of the shank stiffener, clinching said prongs upon the margins of the upper, and cutting away the excess material of the lasting allowance of the upper along the shank portion of the shoe so that the edges of said margins of the upper are disposed in non-overlapping substantially abutting relation at the shank portion of the shoe.

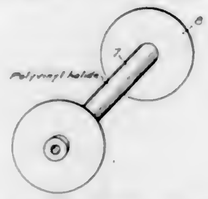
2,099,975
LIGHT PROJECTING APPARATUS
William C. Hackman, Baltimore, Md.
Application June 26, 1935, Serial No. 28,544
11 Claims. (Cl. 240—49)

1. In light projecting apparatus, the combination comprising a plurality of electric light beam projectors, means for pivotally supporting said projectors in symmetrical relation to a single axis, said supporting means including electric means for simultaneously tilting each said projector in a plane including said projector and said axis, electric means for rotating said supporting means, whereby a unified light beam is produced by said projectors, means for tilting said supporting means in a vertical plane to vary the elevation of said light beam, means to rotate as a unit all of said previously recited structure, whereby the azimuth of said light beam may be varied,



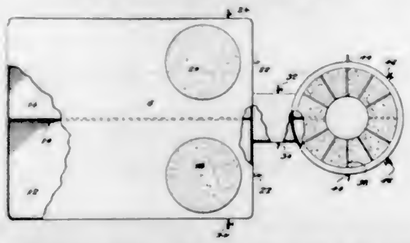
and electric supply means for feeding electrical energy to said electric light beam projectors and to said electric means.

2,099,976
MANUFACTURE OF SHAPED ARTICLES
Max Hagedorn, Dessau in Anhalt, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application July 15, 1933, Serial No. 680,654
In Germany July 16, 1932
7 Claims. (Cl. 95—1)



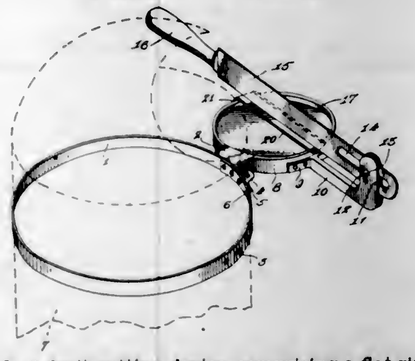
1. A slide for light sensitive photographic material which comprises a polymerized vinyl chloride containing about 60 to 65 per cent of chlorine.

2,099,977
ADJUSTABLE BODY SUPPORT
Owen D. Harris, Petersburg, Ind.
Application July 23, 1936, Serial No. 92,185
3 Claims. (Cl. 27—23)



1. A body support of the class described comprising a shoulder and back supporting section including a pair of longitudinally extending cells, means for controlling the inflation and deflation of said cells individually, a connector secured to said back supporting section, a cellular head rest secured to connector, and means for controlling the inflation and deflation of the head rest.

2,099,978
FRUIT CUTTING DEVICE
Everett I. Hess, Newport, R. I.
Refiled for abandoned application Serial No. 510,036, January 20, 1931. This application February 18, 1937, Serial No. 126,516. Renewed October 11, 1937
5 Claims. (Cl. 146—72)



2. A fruit cutting device, comprising a flat ring, a slidable knife pivotally supported by the ring and swingable over the ring, a pan having an open beaded edge to rest on the top of the ring, and a fruit support and cutting gage comprising a member having parallel arms and having one of its ends hingedly secured to the bead and its other end formed with a catch to engage the bead of the pan to hold the gage thereagainst and said gage having its parallel arms arranged centrally with respect to the cutting edge of the knife.

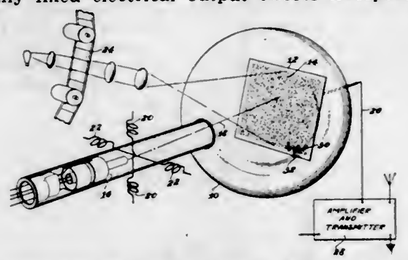
2,099,979
BUTTON
Ralph C. Bangs, Providence, R. I., assignor to Coro-Gram, Inc., New York, N. Y., a corporation of New York
Application December 7, 1936, Serial No. 114,563
2 Claims. (Cl. 24—113)



1. A composite button comprising a base member which has an end-face and an inwardly extending lateral skirt, and a face member also having an end-face and an inwardly extending tapered lateral skirt, the inner end of the skirt of the face member being open and of smaller diameter than the end-face of the base member, said face member enclosing said base member and being generally cup-shaped and having its skirt provided with pairs of slits which define intermediate resilient tongues, said tongues being sufficiently deep and resilient to permit the inner end of the skirt of the face member to be forced over the end-face of the base member.

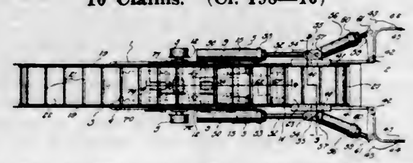
2,099,980
METHOD AND APPARATUS FOR TELEVISION TRANSMISSION
Harley A. Iams, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1933, Serial No. 663,450
7 Claims. (Cl. 178—6)

1. In a television transmission system of the cathode ray type, a cathode ray optical image translating tube, means for projecting an optical image thereupon for transmission, said tube being provided with a source of cathode rays and a photosensitive light translating target of which predetermined areas within the picture signal developing section of said target have different electrical characteristics for producing substantially fixed electrical output effects irrespective



of conditions of illumination of the entire screen, means for causing the cathode ray to scan the target, and means for producing from the scanning a series of image signals representing both the optical image and a modification thereof as determined by the scanning of the areas of different electrical properties from the projected optical image upon the light translating target area.

2,099,981
MATERIAL LOADING APPARATUS
Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 1, 1935, Serial No. 29,309
10 Claims. (Cl. 198—10)

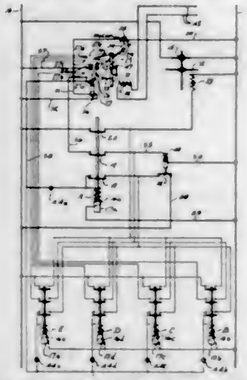


1. In a loading apparatus, a portable base, conveying means, and material loading mechanism on said base for moving the material to be loaded onto said conveying means including supports mounted for rectilinear movement at the opposite sides of said conveying means, cooperating claw-like digging and gathering elements pivotally mounted on the forward extremities of said supports to swing horizontally with respect thereto about upstanding axes, means for moving said supports forwardly rectilinearly relative to said conveying means to move bodily said gathering elements into gathering relation with the material to be loaded, means for thereafter swinging said gathering elements inwardly to dig into and grasp a portion of the material, and means for thereafter moving said supports rectilinearly rearwardly relative to said conveying means to move said gathering elements bodily rearwardly into a position to discharge the material grasped thereby onto said conveying means.

2,099,982
VARIABLE IMPULSE TRANSMITTER
Werner Koenig, Luzern, Switzerland, assignor to Landis & Gyr, A.-G., Zug, Switzerland, a corporation of Switzerland
Application January 8, 1935, Serial No. 829
In Switzerland January 13, 1934
2 Claims. (Cl. 177—380)

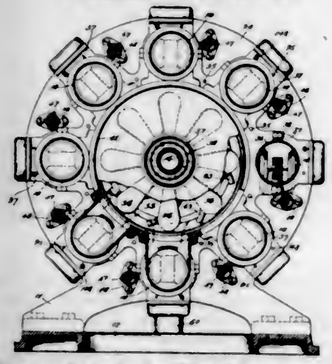
1. An impulse transmitter including in combination a rotary multiple contact selector switch

having a normal position, an impulse generator and electromagnetic means for driving it, means for advancing the rotary element of the switch proportionally to the number of and by said impulses, means for resetting the switch to its normal position after any movement thereof from its normal position, a plurality of relays each having energizing windings and contacts controlled thereby, a circuit for said electro-magnetic driving means completed by certain of the contacts of any relay when energized, means for initially energizing the winding of each relay, a holding circuit for each relay closed by certain other of



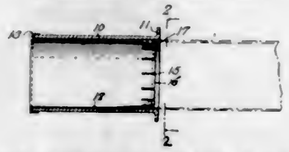
its contacts to maintain the relay energized independent of said initial energizing means, electro-magnetic means common to said holding circuits of the relays for opening them, a plurality of circuits for said second electro-magnetic means each respectively including in series certain other contacts of said relays and corresponding contacts of the selector switch in its different positions whereby when the selector switch reaches the contact corresponding to the operated relay, the electro-magnetic means will open its holding circuit and thereby stop the operation of the generator.

2,099,983
INTERNAL COMBUSTION ENGINE
Simon Lake, Milford, Conn.
Application September 18, 1929, Serial No. 393,356
Renewed April 26, 1937
27 Claims. (Cl. 123—41)



1. In a multi-cylinder Diesel-type engine, a fuel injector for each cylinder including a chamber; a valve for closing said chamber; mechanism for automatically opening and closing said valve; means for maintaining fuel in said chamber under pressure and injecting the fuel into the cylinder when said valve is opened, said means including a plunger and a stop device on the plunger for determining its length of stroke in injecting direction; and means common to all of said injectors and comprising cooperating stops.

2,099,984
PIPE CONNECTER
Gustaf Lundquist, Hawthorne, Wis.
Application February 9, 1937, Serial No. 124,801
3 Claims. (Cl. 285—185)



1. A pipe coupling comprising a non-metallic tubular member, an inner metallic tubular member extending throughout the length of said outer member secured therein and having a flanged inner end engaging the inner peripheral edge thereof, said inner member having a plurality of longitudinal outwardly extending resilient tongues lying within said outer member and adapted to interiorly engage a pipe thrust between said inner and outer members.

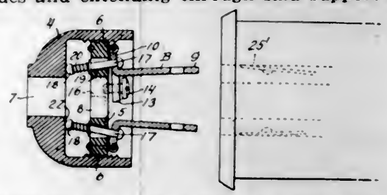
2,099,985
STRAND WINDING MACHINE
William E. Mahoney, Pawtucket, R. I., assignor to Premier Thread Company, a corporation of Rhode Island
Application July 30, 1936, Serial No. 93,403
11 Claims. (Cl. 242—43)



1. A strand winding machine for a tapered base bobbin consisting of a revolvable mandrel, a strand guide to present the strand to be wound, means relatively to traverse said strand guide along the mandrel in the winding of successive layers upon a bobbin, means for moving the strand mass axially of the mandrel as wound, means engaging the tapered bobbin base for retarding said axial movement, and means operative in response to the building of the strand mass to incrementally relieve said retarding means whereby the bobbin and mass thereon axially moves along the mandrel.

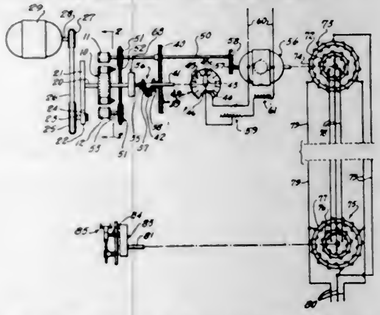
2,099,986
ELECTRIC ATTACHMENT PLUG
Alfred W. Muller, New York, N. Y.
Application June 17, 1936, Serial No. 85,665
10 Claims. (Cl. 173—361)

8. In an attachment plug, a pair of spaced elongated contact blades, a blade support, means pivotally connecting said blades to said support adjacent one end of said blades, a cap having a base and a flange at least partially enclosing, and threadedly connected to said blade support to render the cap movable with respect to said blade support, operating means connected to said blades and extending through said support into



engagement with the internal surface of the base of said cap for moving said blades about said pivotal connecting means upon movement of said cap relative to said support, and spring means interposed between said support and said operating means for maintaining said operating means in engagement with the base of said cap.

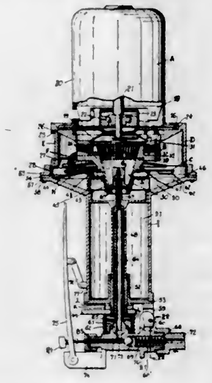
2,099,987
FILM DRIVING SYSTEM
Sidney A. Murdock, Los Angeles, Calif., assignor, by mesne assignments, to Robert Gumbiner, Los Angeles, Calif.
Application January 2, 1935, Serial No. 94
9 Claims. (Cl. 271—2.3)



9. In combination, a film feeding drum adapted to move a sound record film past a sound wave translation member, a constant speed electric motor drivingly coupled to said film feeding drum, another film feeding device, an electric motor for operating said last mentioned film feeding device, and automatic speed control means for the last mentioned motor including a driven member moving in consonance with the uniform rotation of the film feeding drum and by virtue of power received therefrom, and an electrical speed control circuit for said motor controllable by said driven member to maintain said motor during normal running at a speed synchronous with the speed of the film feeding drum.

2,099,988
SPRAYING DEVICE
Edward O. Norris, Port Chester, N. Y., assignor to The Norris Painting Machinery Corporation, Inc., New York, N. Y., a corporation of New York
Application April 16, 1931, Serial No. 530,551
Renewed May 27, 1937
17 Claims. (Cl. 299—63)

1. In a spraying device, a casing having an opening at one side of the device, means providing a chamber within the casing, a revolvable apertured distributor in the casing to which the material is fed and from which it is discharged through the apertures, said opening being in the line of discharge of the distributor, means associated with the casing by which the used mate-



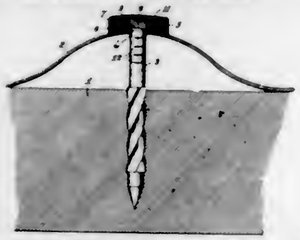
rial is delivered through the casing opening in a spray and the unused material is deflected to the chamber, means within the casing to deliver the unused material from the chamber back into the distributor, a valve controlling the said delivery, and means including an element outside of said casing by which said valve is operated.

2,099,989
TRIM PANEL CONSTRUCTION
William C. Osborn, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application May 11, 1936, Serial No. 78,985
6 Claims. (Cl. 154—45.9)



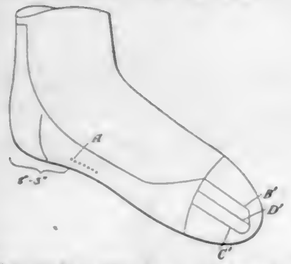
1. A trim panel construction including, in combination, a relatively stiff cardboard backing sheet, a layer of loosely felted non-woven padding material adhesively secured to said backing sheet, said padding material having a marginal configuration substantially congruent to said backing sheet, said padding being formed to provide an aperture therein, spaced inwardly from the marginal edge thereof, and a section of fabric finish material covering said padded backing sheet, the marginal edges of said fabric finish material being secured to said backing sheet, said fabric finish material being further secured to said backing sheet in said aperture.

2,099,990
WEATHERPROOFING FASTENER
Heyman Rosenberg, New York, N. Y.
Application October 23, 1934, Serial No. 749,642
11 Claims. (Cl. 85—28)



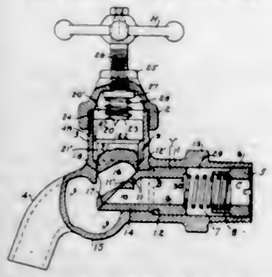
1. In fasteners, the combination, with a body, of a head frame therefor having means for receiving a soft metal coating, said head frame having an abruptly shouldered, inwardly facing, metal imprisoning portion about and above the upper surface of the main portion of the head frame to resist spreading or loosening of the upper coating of the head frame under hammer blows, and a soft metal coating covering said head frame.

2,099,991
FULL-FASHIONED HOSIERY
Joseph C. J. Strahan, New York, N. Y.
Application March 8, 1935, Serial No. 10,063
5 Claims. (Cl. 66—187)



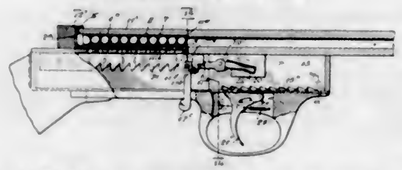
1. A diamond point toe construction for a stocking comprising a diamond point area of transferred loops flanked on both sides by areas of untransferred loops.

2,099,992
VALVE
Nathaniel Sutcliffe, Newark, N. J.
Application May 21, 1936, Serial No. 80,924
12 Claims. (Cl. 251—20)



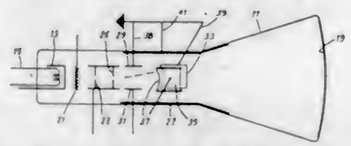
1. A valve comprising a body portion having an inlet port and an outlet port, two movable, contacting, ported valve members therein mounted at angles to each other and normally positioned so as to close communication between the ports therein, said valve members at their contacting points having angled faces comprising overlapping webs, said webs having ports therein and means for causing said members to move on their contacting faces to mutually open communication between all of said ports.

2,099,993
FIREARM
Gustav Tauschek, New York, N. Y.
Application November 23, 1933, Serial No. 699,306
In Austria September 15, 1933
19 Claims. (Cl. 42—4)



1. A firearm comprising a stock, a recoil barrel movable lengthwise of said stock, means holding a plurality of projectiles in tandem on the longitudinal axis of the barrel, firing mechanism, and means, operated by the longitudinal movement of the barrel relatively to the stock, for establishing successively an operative relation between said firing mechanism and the several projectiles.

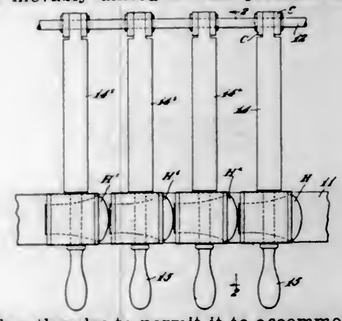
2,099,994
ELECTRON TUBE
James T. Wilson, Arlington, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 12, 1936, Serial No. 79,341
7 Claims. (Cl. 250—27.5)



1. In an electron tube, means to develop an electron beam, a plurality of electrodes to deflect said electron beam, said electrodes each having one edge portion thereof concavely curved with respect to the origin of the produced electron beam, and an inwardly extending flange attached to the opposite edges of one of said electrodes, said flange extending parallel to the direction of beam motion.

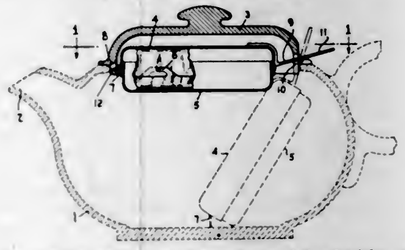
2,099,995
SHOE MACHINE
Albert F. Bancroft, West Newton, Mass., assignor to Bancroft-Walker Company, Waltham, Mass., a corporation of Massachusetts
Application December 29, 1936, Serial No. 118,075
8 Claims. (Cl. 12—49.1)

1. Apparatus of the class described comprising a support for a shoe heel, said support having a heel-engaging surface approximating the shape of the breast of the heel, and a movable pressure-applying member having a heel-engaging pad engageable with the rear surface of a heel disposed with its breast in contact with the heel-engaging surface of the support, said pad being movably united to said pressure-applying



member thereby to permit it to accommodate itself to the contour of the heel.

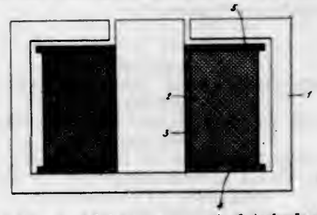
2,099,996
TEAPOT
Leopold Beling, deceased, late of Long Beach, N. Y., by Christopher C. Beling, executor, Newark, N. J.
Application November 3, 1936, Serial No. 108,941
1 Claim. (Cl. 53—3)



In combination, a teapot, a detachable concave cover for said teapot having an opening, a perforated cartridge for holding the tea and substantially conforming to the configuration of the cover, a flange depending from the cover within the teapot and having a perforation diametrically opposite said opening, a lip protruding from the cartridge and projecting through said perforation, and a handle fastened to the cartridge and projecting through the opening to the outside of the cover and by means of which the said lip may be moved in and out of said perforation and the cartridge submerged in the water in the teapot or removed from the water and held within the cavity of said cover.

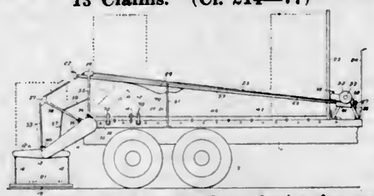
2,099,997
COIL BODY FOR FIELD COILS OF ELECTRODYNAMIC LOUDSPEAKERS
Heinrich Benecke, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 31, 1934, Serial No. 737,712
In Germany July 26, 1933
1 Claim. (Cl. 179—117)

A magnet system for an electrodynamic loudspeaker comprising a central pole piece, an air gap, a tubular member of metal adapted to fit snugly about said central pole piece, disposed on said central pole piece, said tubular member being coated with a lacquer having a quartz filling, flanges at opposite ends of said tubular member, the flange at the end of said tubular member adjacent said air gap being of nonmagnetic, impregnated fibrous material having a high coefficient of heat transfer, the flange at the other end being of metal, and a field wind-



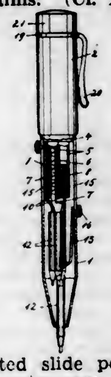
ing applied to said lacquer-coated tubular member between said flanges, said lacquer-coated tubular member providing good electrical insulation and also good heat conduction for the field winding.

2,099,998
LOADING AND UNLOADING DEVICE FOR TRUCKS OR OTHER VEHICLES
Robert H. Berg, San Francisco, Calif.
Application February 17, 1937, Serial No. 126,187
13 Claims. (Cl. 214—77)



1. A loading and unloading device for vehicles comprising a pair of arms pivotally secured to the rear corners of a truck, sprockets placed at the pivotal axis of the arms and being held against rotation, stub shafts rotatably carried by the free ends of the arms, sprockets keyed to the shafts, chains connecting the sprockets in each arm together, and a load lifting yoke rigidly connected to each stub shaft, said yokes being held in the same angular position with respect to the vehicles by the chains and sprockets during the entire swinging of the arms.

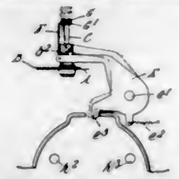
2,099,999
SLIDE PENCIL
Christian Bossert, Pforzheim, Germany
Application February 18, 1936, Serial No. 64,432
In Germany February 25, 1935
7 Claims. (Cl. 120—14)



1. A polypointed slide pencil comprising in combination, an outer case, a plurality of inner

cases, a lead holder in and extending through the bottom of each inner case, a shaft and a piston associated with each holder and a coil spring inserted between each piston and the bottom of the inner case.

2,100,000
CINEMATOGRAPHIC CAMERA AND PROJECTOR
Charles Edward Hillery-Collings, Mitcham, England
Application November 16, 1935, Serial No. 50,069
In Great Britain November 16, 1934
2 Claims. (Cl. 88—19.3)



1. A cinematographic instrument capable of use as a camera and as a projector, having a rotary shutter comprising two members mounted on concentric sleeves and normally overlapping each other but adapted to be spaced apart by a movement of relative rotation of said sleeves, means to effect such relative rotation including a pivoted lever, a detachable lamp housing provided with means to actuate said lever on the insertion of said housing into operative position in the instrument, cooperating means on said lamp housing and said instrument serving to position said housing in said instrument, and means to return the shutter members to their normal positions upon the withdrawal of said housing.

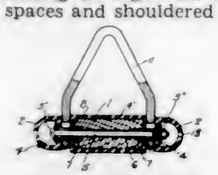
2,100,001
LEADER BRACKET
Louis C. Eberle, Roselle Park, N. J., assignor of one-half to Gustave Eberle, Roselle Park, N. J.
Application November 20, 1936, Serial No. 111,919
2 Claims. (Cl. 248—74)



1. A leader bracket, including a metal strap adapted to partially encircle a leader, and inwardly projecting corrugated flanges at the edges of the strap adapted to bitingly engage the leader.

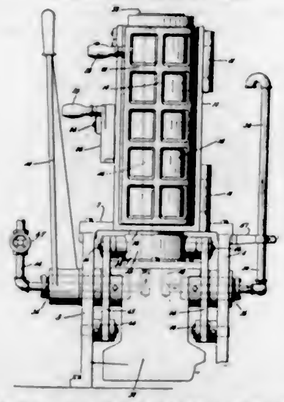
2,100,002
SWING SEAT
Walter B. Evans, Fred C. Garratt, Jr., and Edwin F. Hoppes, Springfield, Ohio, assignors to The Everwear Manufacturing Company, Springfield, Ohio, a corporation of Ohio
Application July 9, 1936, Serial No. 89,806
4 Claims. (Cl. 155—58)

1. In a swing seat, a core having reduced ends, protecting cushions embracing said reduced ends, protecting cushions secured to the side edges of said core, a bolt at each end of said core extending through both side cushions and an end cushion and also through the core, said reduced ends of the core providing spaces between the side cushions and the end cushions, bearing sleeves on said bolts extending through said cushions and through said spaces and shouldered against said



core, and a clevis at each end having eyes pivotally mounted on said sleeves to permit the clevis to be swung from one face of the seat to the other and the seat reversed.

2,100,003
STEREOTYPE PLATE CASTING MACHINE
Frank A. Foster, Maywood, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application April 10, 1935, Serial No. 15,508
1 Claim. (Cl. 22—4)



A machine for casting tubular stereotype plates including in combination a frame, an openable and closable cover, a hollow, water-cooled, pivotally mounted core movable between casting and delivery positions, said pivotal mounting for the core comprising hollow trunnions journaled in the frame, a water pipe within the core connected to one of the hollow trunnions acting as a water inlet, and a water outlet at the bottom of the hollow core communicating with the other hollow trunnion, and a stationary exterior pipe, receiving the discharged water from the trunnions, said pipe having its discharge end at substantially the level of the top of the core when in casting position.

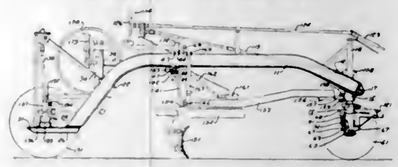
2,100,004
BINDING MACHINE
Harold F. Gibling, Pawtucket, R. I., assignor to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware
Application June 14, 1934, Serial No. 730,559
11 Claims. (Cl. 100—31)



1. A machine for applying bindings to hollow thread packages comprising knot tying mecha-

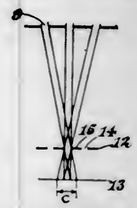
nism adapted for positioning and knotting a binding around the wall of the package, a carrier for feeding packages successively to said knot tying mechanism, and means for varying the angular position of each package on the carrier to position said package with relation to the knot tying mechanism to receive a plurality of bindings at spaced intervals around the wall of the package.

2,100,005
ROAD MACHINE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 5, 1934, Serial No. 709,831
1 Claim. (Cl. 280—80)



In a road machine, a frame, an axle, a socket member supported by said axle, a kingbolt secured to said frame and having a hollow ball portion engaging said socket member and forming with said socket member an enclosed connection receiving space, adjustable means on said axle, and an adjusting connection for said adjustable means extending through said connection receiving space, said connection including a universal connection having its pivotal center substantially concentric with the pivotal center of movement between said ball portion and said socket member, the coincidence of said centers enabling operation of said adjustable means in any relative angular position of said frame and said axle.

2,100,006
PRINTING OR REPRODUCING COLOR PHOTOGRAPHS
Geoffrey Bond Harrison and Stanley Dennis Threadgold, Ilford, England, assignors, by mesne assignments, to Dufay-Chromex Limited, Aldwych, London, England
Application April 29, 1935, Serial No. 18,952
In Great Britain May 2, 1934
5 Claims. (Cl. 95—75)



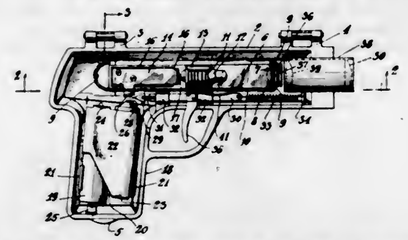
1. The method of photographic printing a master photograph on multi-color screen material having a multi-color screen of which the color elements form regularly recurring similar pattern units but which are of irregular arrangement within the unit onto light sensitive multi-color screen copy material which comprises the step of exposing the copy material, while closely adjacent to the master, to light passed through the master from a plurality of differently colored sources, the colors of the sources being respectively similar to colors of the master screen elements and the distance of the source of each color from the master screen, the effective size of each source and the spacing of the master and copy screens being so co-related with the size of the master screen elements of color similar to the source that the light from the source passed by each master screen element of similar color spreads over an area on the copy screen substantially equal to the area of a master screen pattern unit, at least some of the spreads being different in amount in different directions.

2,100,007
MECHANICAL PENCIL
Paul S. Hauton, Atlanta, Ga.
Application February 24, 1933, Serial No. 658,355
2 Claims. (Cl. 120—18)



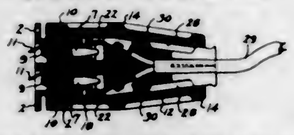
2. A mechanical pencil comprising a tip having a lead guide orifice, lead moving means comprising a threaded helix, and a slotted member, means comprising relatively movable exterior members arranged end to end for housing and driving the lead moving means, a cylindrical liner fitting the inside of one of the exterior members and extending beyond the end of said member and into the other exterior member and having a reduced lower cylindrical end for seating and locking with the slotted member beyond the end of said one exterior member, and a tapered tip having a friction fit on the said reduced end of the liner and abutted against the opposed end of the said one exterior member.

2,100,008
PICTURE PROJECTING DEVICE
Clarence L. Stephens, Bayside, N. Y.
Application June 8, 1936, Serial No. 84,109
4 Claims. (Cl. 88—28)



1. Picture projecting means in the form of a two-part, hinged pistol having a handle and a barrel, a lens in said barrel, an endless film bearing a succession of pictures, and having marginal, equi-spaced holes, guide means for said film in said barrel, battery cells in said handle, a light bulb, a circuit therefor, a slidable bar, guides therefor mounted in said barrel, a trigger depending from said bar for its operation, said guides also serving as stops to limit the throw of said bar, spring means to hold said bar retracted, an insulated circuit closing interponent extended from said bar, a spring pawl also carried by said bar, said bar when moved by its trigger causing said pawl to engage a hole in said film and shift said film to bring a succeeding picture into line with said bulb and lens and then causing said interponent to close said circuit.

2,100,009
ELECTRICAL CONNECTER
James J. Hardy, Jr., Cincinnati, Ohio
Application March 8, 1934, Serial No. 714,643
10 Claims. (Cl. 173—328)

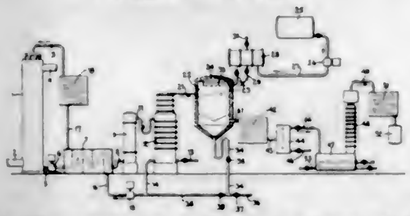


9. A female member for an electrical connecter, comprising an outer shell roughly of the shape of a truncated cone, similarly shaped inner contact carrying means having limited longitudinal and free rotational movement within said shell, said inner means having central longitudinal means for carrying and gripping a conductor substantially at its point of exit therefrom, by cooperation with said outer shell said female member having means for positively coupling and uncoupling a male member.

2,100,010
MANUFACTURE OF NEW CELLULOSE COMPOUNDS AND OF ARTIFICIAL MATERIALS THEREOF
Leon Lilienfeld, Vienna, Austria
No Drawing. Application June 22, 1932, Serial No. 618,802. In Great Britain July 4, 1931
22 Claims. (Cl. 18—54)

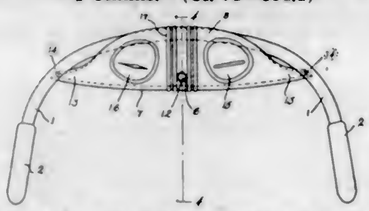
18. In the manufacture of shaped artificial structures, the herein described improvement which comprises reacting on cellulose in the presence of an alkali, with an organic body containing nitrogen, oxygen and halogen, each attached to a different carbon atom in said body, and xanthating the cellulosic body produced by such action.

2,100,011
RECOVERY AND PURIFICATION OF HYDROCARBON OIL
Malvin R. Mandelbaum, New York, N. Y., assignor to The Gray Processes Corporation, Newark, N. J., a corporation of Delaware
Application November 16, 1933, Serial No. 698,327
2 Claims. (Cl. 196—8)



1. The process of purifying a mixture of hydrocarbon vapors consisting substantially entirely of benzol, toluol and xylols and steam in order to remove unstable unsaturated constituents from said hydrocarbons, which comprises passing said mixture of hydrocarbon vapors and steam through a body of solid adsorbent catalytic material effective to promote polymerization of unstable unsaturated constituents of said vapors to polymers of higher boiling points, and simultaneously passing through said body of adsorbent material a relatively high boiling solvent oil heated to a temperature sufficiently high to maintain the desirable constituents in said hydrocarbon vapors and said steam during the passage thereof through the catalytic material in vaporous form but below a temperature at which vaporization of said high boiling solvent oil takes place to thereby assist in maintaining the efficiency of the adsorbent by removing polymers therefrom.

2,100,012
BICYCLE
Onnie Mankki, Cleveland Heights, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1936, Serial No. 82,569
4 Claims. (Cl. 74—551.1)



3. In a bicycle, the combination of a pair of handle bars, a clamping post securing said handle bars intermediately thereof, a metallic apron overlying said post and the central portion of said handle bars and provided with downwardly extending flanges respectively forwardly and rearwardly of said posts, means securing said apron to said post, said apron also provided with reduced lateral extensions extending under said handle bars at opposite points spaced from said post, and means securing said lateral extensions to said handle bars.

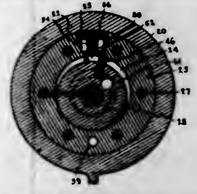
2,100,013
MAUSOLEUM
William A. Martin, Trenton, Mo.
Application June 11, 1937, Serial No. 147,662
11 Claims. (Cl. 72—7)



1. In a vault of the character described, a cover adapted to be mounted in said vault, a layer of sealing material on said cover, a top for the vault, and means for displacing a portion of said layer to provide a convex surface therefor.

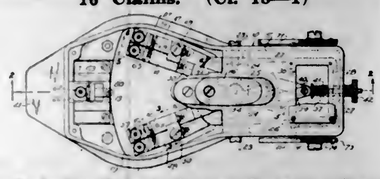
2,100,014
COMPRESSOR
Fred M. McCracken, Norwood, Ohio
Application May 29, 1933, Serial No. 673,393
10 Claims. (Cl. 230—145)

4. In a gyratory compressor, the combination with a cylinder member and an eccentric member, one of which is stationary and the other movable in a gyratory manner, of a vapor-tight flexible tubular structure having one end hermetically connected to said stationary member and the other end hermetically connected to said movable member, said structure acting to prevent rotation of said movable member about its axis without restricting its freedom to gyrate and being arranged in relation to said members so as to



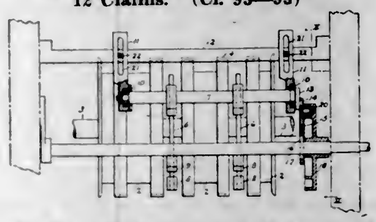
receive within said tubular structure leakage of vapor from the compression chamber of said compressor and thus serve as a seal to prevent escape of said vapor to the atmosphere.

2,100,015
WASHER PLACING MACHINE
Wilbert H. Patten, Trenton, N. J., assignor to Trent Machine Company, Trenton, N. J., a corporation of New Jersey
Application March 7, 1936, Serial No. 67,685
16 Claims. (Cl. 18—1)



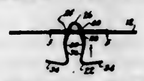
1. A device for placing washers on pins comprising a frame, a movable washer feeding finger, and a second washer feeding finger carried by the first finger and movable relative thereto.

2,100,016
DELIVERY MECHANISM FOR USE IN DELIVERING THE PRODUCTS OF PRINTING MACHINES IN COUNTED BATCHES
Cecil George Quick, Donald Arthur Ball, and William Arnold Whitehead, London, England, assignors to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 8, 1936, Serial No. 78,648
In Great Britain June 4, 1935
12 Claims. (Cl. 93—93)



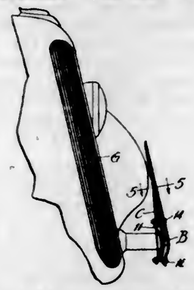
1. Delivery mechanism comprising in combination a fly, means rotating the fly, a conveyor device adapted to move past the fly in such a direction that while receiving products from the fly the conveyor moves in the same general direction as the delivery side of the fly, a pair of abutment members, means to oscillate the abutment members into two positions spaced differently from the periphery of the fly in the first of which positions a first abutment member is presented to products carried by the fly and in the second of which positions a second abutment member is presented, the two members being so disposed relatively to each other that the said second abutment member when presented allows products to travel further with the fly than the first abutment member, and means operating periodically to quickly oscillate the members between the first and second positions.

2,100,017
SECURING DEVICE
John H. Van Uum, Lakewood, Ohio
Application August 2, 1932, Serial No. 627,243
11 Claims. (Cl. 24—213)



1. A spring fastener comprising a single integral elongated piece of sheet metal spring strip stock bent to form an enlarged diamond shaped head for insertion into a suitable opening formed in one of two parts to be fastened together in overlying relationship, the forward sides of said diamond shaped head being provided with longitudinal ribs, the ends of the stock projecting oppositely in planes that are inclined toward the enlarged head at an obtuse angle with respect to each other, whereby when the enlarged head is inserted in an opening in one of said parts said ends urge the other part against the former part.

2,100,018
GRILLE GUARD
Anthony V. Weasler and William J. Dooley, West Bend, Wis., assignors to Pick Manufacturing Company, West Bend, Wis., a corporation of Wisconsin
Application January 8, 1937, Serial No. 119,552
5 Claims. (Cl. 293—55)



1. A grille guard comprising a vertical plate, means extending rearwardly from the plate at a point near its lower end adapted to rest upon the upper edge of a supporting bumper whereby to sustain the plate thereon with the major portion of its length thereabove, and a cleat engageable with the supporting bumper and plate in adjustable connection with the plate and exerting a bracing pressure against the plate at an elevated point remote from the bumper.

2,100,019
WINDSHIELD DEFROSTER BLADE
Arlis Rolland Wilson, Chicago, Ill.
Application August 17, 1936, Serial No. 96,359½
3 Claims. (Cl. 219—19)

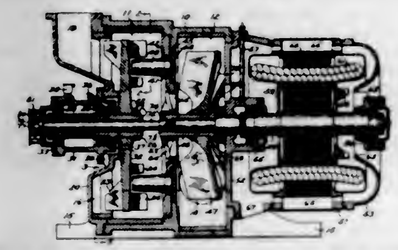
1. A windshield defroster blade comprising a heat reflecting plate adapted to be connected to the movable element of a windshield wiper, a fabric pocket carried by said plate and extending

therefrom into windshield wiping position, and a heating element removably disposed within said



pocket and in contact with said plate and said pocket.

2,100,020
PULVERIZING APPARATUS
L. V. Andrews, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application March 14, 1934, Serial No. 715,399
13 Claims. (Cl. 83—11)

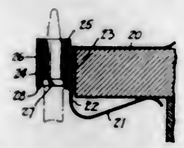


8. A pulverizing apparatus comprising a casing shaped to provide a pulverizing chamber and a fan chamber communicating therewith, a rotatable shaft, bearings supporting the shaft, a hollow rotatable shaft substantially aligned with the first shaft, bearings supporting the hollow shaft independently of the first shaft, a pulverizing rotor secured to one of the shafts and located within the pulverizing chamber, a fan secured to the other shaft and located within the fan chamber, and a shaft extending through the hollow shaft and operatively connecting the other aligned shaft to the remote end of the hollow shaft.

10. A pulverizing apparatus comprising a casing shaped to provide a pulverizing chamber and a fan chamber communicating therewith, a motor having a rotatable shaft, a fan secured to the motor shaft and located within the fan chamber, a hollow rotatable shaft substantially aligned with the motor shaft, bearings supporting the hollow shaft independently of the motor shaft, a pulverizing rotor secured to the hollow shaft and located within the pulverizing chamber, and a shaft extending through the hollow shaft and operatively connecting the motor shaft to the remote end of the hollow shaft.

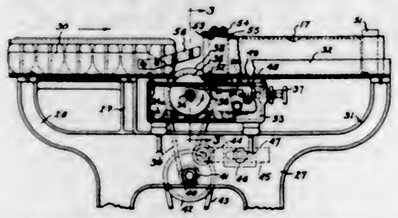
2,100,021
CULINARY ARTICLE
Nathan Bell, Los Angeles, Calif.
Application January 13, 1936, Serial No. 58,812
2 Claims. (Cl. 146—170)

1. A culinary article comprising rectangular open-ended sleeve having spaced cutting blades for cutting into strips, a string bean forced through said sleeve; a holder having an opening to receive the sleeve; yieldable flanges projecting from the holder between which the sleeve is forced and is frictionally retained against withdrawal from the opening; means on the flanges with which the sleeve co-acts to definitely limit the extent to which the sleeve can be inserted; and



means by which the holder can be attached to a support.

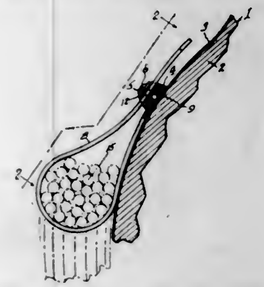
2,100,022
CONTAINER ASSEMBLING MACHINE
Samuel Bergstein, Cincinnati, Ohio, assignor to Edna May Bergstein and Robert Morris Bergstein, as trustees
Application August 6, 1934, Serial No. 738,635
9 Claims. (Cl. 93—6)



1. Apparatus for assembling an inner container with an outer tubular container by causing entrance of the inner container through an open end of said tubular container, comprising alined trough members with adjacent ends spaced apart, adhesive applying means between said ends, having its effective adhesive applying surface above the planes of the bottoms of the trough members and located in the path of travel of a bottom portion of the inner container from one trough into the tubular container held in the other trough, which bottom portion is to carry adhesive from said applying means and thereby adhere to the interior surface of the bottom of the tubular container, means receiving top and bottom edge portions of the open end of the tubular container as it is slid along the trough toward the adhesive applying means, said means diverging in the direction of sliding, to distort said edges upward and downward, respectively, and said means being laterally displaced from the path of travel of the bottom portion of the inner container, but effecting sufficient downward distortion of the bottom edge portion to prevent its scraping adhesive from the entering bottom portion, and said one trough, from which the inner container slides, being provided with members converging across the path of the inner container in the direction of its passage to the outer container, to reduce the width of the inner container as it enters the outer container.

2,100,023
LARIAT HOLDER
Edward G. Brown, Wilson, Wyo.
Application June 29, 1937, Serial No. 150,991
8 Claims. (Cl. 54—46)

1. The combination with a saddle, of a lariat holder secured thereto and comprising a base member having a transverse notch therein, a strap in the form of a loop having one end secured to said base member and its opposite end detachably secured in said notch and frictionally held there-



in so as to be readily detachable by pulling on the free end of said strap.

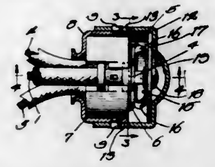
2,100,024
ODOMETER FOR MOTOR VEHICLES
Edward V. Dardani, Southport, Conn.
Original application June 4, 1934, Serial No. 728,951. Divided and this application December 15, 1934, Serial No. 757,661
11 Claims. (Cl. 235—95)



1. In an odometer for motor vehicles, the combination of means responsive to the speed of the vehicle; normally inoperative means for indicating, up to a predetermined distance, the distance traveled; operating means therefor; and means operating by the return of the speed-responsive means to zero position upon the stopping of the vehicle for conditioning the said distance-indicating means for operation by said operating means to indicate, upon resumption of travel of the vehicle, the distance covered since the vehicle was last stopped.

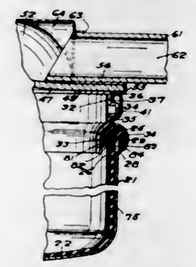
2,100,025
ELECTRICAL CONNECTING MEANS
Harry A. Douglas, Bronson, Mich., assignor to Kingston Products Corporation, a corporation of Indiana
Application March 5, 1934, Serial No. 714,081
2 Claims. (Cl. 173—328)

1. An electrical connecting device, comprising: a body; a plurality of electrical conductors insulatably carried by said body, each having a contact face disposed at one side of said body, said contact faces being insulated from each other; a first cup-shaped member, having its peripheral wall disposed about the edge wall of said body, and having its closure wall abutting the opposite side of said body, said closure wall having an aperture accommodating said conductors; a second cup-shaped member, enclosing said one side of said body, and having its peripheral wall disposed about the peripheral wall of said first cup-shaped member; connecting means, comprising parts respectively carried by the peripheral walls of said first and second cup-shaped members, said connecting means being constructed and ar-



ranged to detachably hold said cup-shaped members in assembled relation; an insulating disc, bearing against the closure wall of said second cup-shaped member; and a plurality of electrically connected spring arms carried by said insulating disc, and constructed and arranged to resiliently engage said contact faces, so as to electrically connect said conductors to each other.

2,100,026
LIQUID EXPRESSER
Louis F. Ducker, Mariemont, Ohio, assignor to Richard A. Kaps and Charles H. C. Van Pelt, both of Cincinnati, Ohio, and said Louis F. Ducker, trustees
Application March 23, 1931, Serial No. 524,619
4 Claims. (Cl. 100—50)

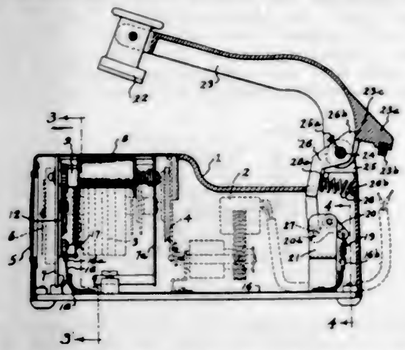


2. In an expresser, the combination of a receptacle including a cover, the receptacle having an annular recessed seat and the cover having an annular seat opposed to the recessed seat; and a flexible wall in the receptacle having an annular rib at its periphery provided with an annular lip initially seating on the seat of the cover, said annular rib being resilient and expanding into said recess initially and under the action of fluid pressure, having its seating pressure increased on said seats as the pressure in the receptacle increases, thereby sealing the wall relative to the receptacle.

2,100,027
TIME STAMP RIBBON FEED MECHANISM
Joseph W. Faris, Cincinnati, Ohio, assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio
Application November 18, 1935, Serial No. 50,271
7 Claims. (Cl. 101—336)

1. In a time stamp having a type ribbon, a mechanism for feeding the same, and an operat-

ing handle, an operative connection between the



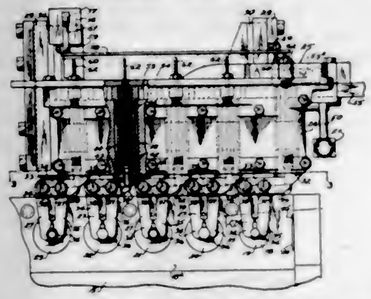
said handle and the said mechanism comprising a steel ribbon.

2,100,028

TRANSFER MECHANISM

Lee A. Frayer, Kent, Ohio, assignor to The Lamson & Sessions Company, Cleveland, Ohio, a corporation of Ohio

Application February 27, 1936, Serial No. 66,104
27 Claims. (Cl. 10—12)



1. In apparatus of the character described, a plurality of stations lying in or adjacent a given plane, a plurality of article holders, and means pivoting said holders between stations for arcuate swinging movement in a plane extending substantially normal to said given plane.

2,100,029

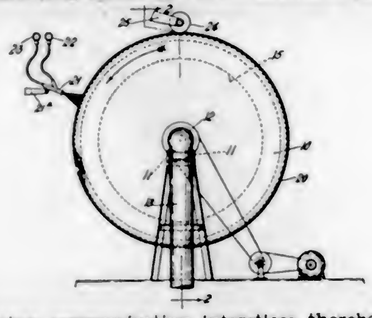
POROUS RUBBER PRODUCT AND METHOD OF MAKING THE SAME

John R. Gammeter, Akron, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application April 8, 1933, Serial No. 665,080
16 Claims. (Cl. 91—68)

1. That method for making a vulcanized, tacky, porous rubber material which comprises spraying a mist of well-defined globules of vulcanizable latex containing a tacky resin and sulphur sufficient only for partial cure onto a heated surface so as to avoid the formation of a continuous stream of the liquid latex on said surface but partly to dry and agglomerate the globules thereon, and curing said material, said globules adhering by surface contact and there being numerous interstices through the material between globules.

8. A rubber latex product comprising agglomerated, adhering, vulcanized rubber globules



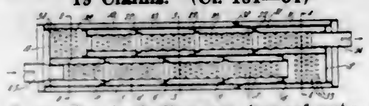
having communicating interstices therebetween to provide porosity.

2,100,030

SILENCER

Lucien L. Haas, Buffalo, N. Y., assignor to Buffalo Pressed Steel Company, Inc., Buffalo, N. Y.

Application June 7, 1934, Serial No. 729,451
19 Claims. (Cl. 181—54)



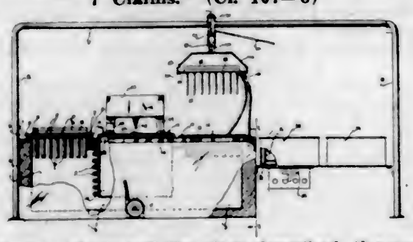
1. A muffler including an imperforate outer shell, heads to which the opposite ends of said shell are connected and provided with openings for inlet and discharge of exhaust gases, a second shell arranged within said outer shell and spaced therefrom to form with said outer shell a resonator chamber, a pair of conduits arranged side by side within said second shell, one of said conduits receiving gases at one end thereof from the inlet opening and the other conduit discharging gases from the other end thereof through the discharge opening in the other head, each of said conduits terminating at their other ends at distances from said heads, at least one of said conduits being perforated throughout the greater portion of the length thereof, means arranged about the perforated portion of said conduit to form therewith a sound attenuating chamber, said second shell forming a return duct in which gases flow in a direction opposite to that in said conduits, said second shell having apertures to permit gases and sound waves to enter said resonator chamber.

2,100,031

DEVICE FOR MAKING FROZEN CONFECTIONS

Charles G. Hall, Caldwell, Idaho, assignor to Edible Bottle Company, a corporation of Idaho

Application November 30, 1934, Serial No. 755,451
7 Claims. (Cl. 107—8)



1. In a device of the class described, the com-

bination of an insulated cabinet having a plurality of compartments, means for predetermining the temperature in each of the compartments, bottom and top mold sections, means for transporting each of the mold sections, one at a time, in either direction longitudinally of the cabinet and means for continuously circulating a refrigerant through each of the core sections comprising the top mold.

2,100,032

FLY SWATTER

Lynde De F. Hokerk, Utica, N. Y., assignor to Kerk Guild, Inc., Whitesboro, N. Y., a corporation of New York

Application May 29, 1936, Serial No. 82,666
3 Claims. (Cl. 43—137)



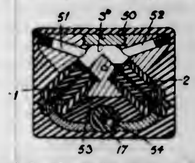
1. A fly swatter head comprising a plurality of layers of superimposed burlap, and adhesive material applied to the inner opposed faces of the burlap layers and uniting the same to form a unitary swatter head, said adhesive material forming a stiffening element and converting the initially limp burlap into a relatively stiff, highly flexible swatter head and arranged to leave uncoated and open certain of the interstices of the burlap for the passage of air through the swatter head in the use of the article, said burlap layers presenting a soft exterior surface at both faces of the swatter head.

2,100,033

MERCURIAL ELECTRIC CUT-OUT

Francis Thomas Jenkins, Ealing, London, England

Application December 29, 1936, Serial No. 118,141
In Great Britain October 16, 1935
16 Claims. (Cl. 200—113)



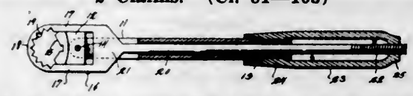
1. A mercurial electric cut-out containing a plurality of mercurial columns, said columns being contained in alternative paths for the passage of the current through the cut-out and being such that when the current passing through a column exceeds a predetermined value, mercury is expelled therefrom, a separate collector associated with each column, said columns being inclined to one another and at least one impact surface being provided, arranged so that mercury expelled from one column is caused to strike an impact surface above the collector associated with another column in such manner that the expelled mercury is positively directed into such collector and into such other column in order to render another of such alternative paths available for the passage of the current.

2,100,034

WRENCH

Carl H. Leonard, Wakefield, Nebr., assignor of one-half to John Ashford, Winnebago, Nebr.

Application February 11, 1937, Serial No. 125,336
2 Claims. (Cl. 81—163)



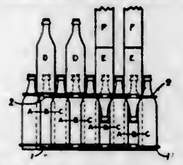
2. A wrench comprising a tubular member provided with threads at one end thereof, spaced apart parallel arms carried by the other end of the member, a stationary jaw member carried by said arms and disposed therebetween, a movable jaw member disposed forwardly of said stationary jaw member, a pair of parallel arms secured to said movable jaw member and engaging on opposite sides of said stationary jaw member, an operating rod disposed within said tubular member and secured at its forward end to said latter parallel arms, threads carried by the rear end of said operating rod, said latter threads being reversely pitched from said first threads, and a hollow handle provided with interior threads engaging said first named threads and a second series of interior threads engaging said second named threads.

2,100,035

MEANS FOR TYING BOTTLES TOGETHER FOR STACKING PURPOSES, SUCH AS IN DISPLAYS

Anson A. Merrick, Detroit, Mich., assignor to James Vernor Company, Detroit, Mich.

Application July 28, 1936, Serial No. 93,094
3 Claims. (Cl. 211—74)



1. In a means for tying bottles together for stacking purposes, comprising a band of wire or similar material formed into a plurality of outwardly extending loops each substantially defining a semi-circle, said loops being in such spaced relationship that the extended arcs thereof do not overlap.

2,100,036

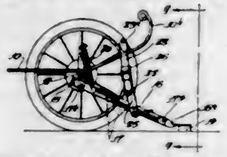
BRAKE FOR BABY CARRIAGES

James Michal, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill.

Application January 21, 1936, Serial No. 60,102
11 Claims. (Cl. 188—20)

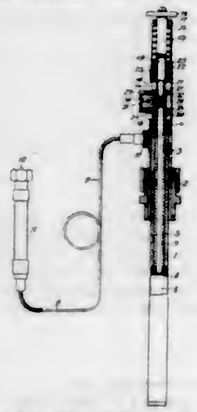
1. A ground brake for baby carriages comprising a brake member carried in poised position, foot-operated means to depress the member into

ground engagement, means to lock the member in the position of engagement, foot-operated means to release the locking means, and a lifting



element effective to restore the member to the poised position when said release has been accomplished.

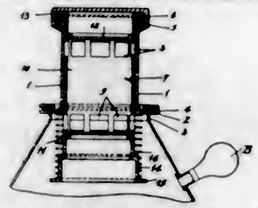
2,100,037
THERMOSTAT
Hermann Sandvoss, Frankfort-on-the-Main, Germany
Application June 5, 1935, Serial No. 25,135
In Germany June 28, 1934
2 Claims. (Cl. 297—8)



1. A thermostat comprising a casing, a container for an expanding liquid connected to the casing, a spring bellows in the container, a bellows rod in the spring bellows, a regulating member mounted in the casing for rotation and axial displacement, a stop in the casing, a spring operatively connected to the regulating member for holding the regulating member against the stop, means for rotating the regulating member, a female thread on the regulating member, a male thread on the bellows rod engaging in the female thread of the regulating member, a carrier secured to the casing, a scale on the carrier, a pointer rotatably mounted on the carrier for cooperation with the scale, mechanism on the carrier for rotating the pointer, a worm gear forming part of the mechanism, a worm meshing with the worm gear and mounted on the regulating member for relative axial displacement with respect to, and for positive tangential engagement with, the regulating member, and checks on the casing arranged to engage opposite sides of the worm for holding it in position with respect to the worm gear.

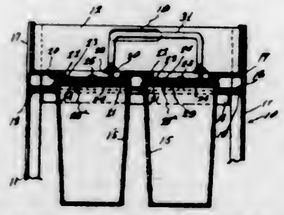
2,100,038
PLUG OR CORK FOR DELIVERING DOSES
Robert Schubenel, Le Vesinet, France
Application December 26, 1935, Serial No. 56,277
In France December 28, 1934
8 Claims. (Cl. 221—104)

1. A dispensing can including a substantially cylindrical nozzle, a measuring valve slidably carried in said nozzle, said valve comprising a substantially cylindrical member having a length greater than that of said nozzle, a pair of transverse partitions in said valve, said partitions being spaced apart a distance less than the length of said nozzle, an inlet opening in said valve intermediate said partitions and adjacent the lowermost partition, an outlet opening in said valve intermediate said partitions and adjacent the up-



permost partition, a portion of said valve below the lower partition being formed to provide a stop for limiting the outward movement of said valve, the lower end of said valve being upset to form an annular flange providing a spring seat, and a helical spring surrounding said valve and having one end seating on said flange and the other end seating against the top of said can, said spring comprising means for normally retaining said valve at its innermost limit.

2,100,039
CONTAINER FILLING APPARATUS
Thomas A. Standley, Dallas, Tex.
Application June 13, 1936, Serial No. 85,146
5 Claims. (Cl. 226—126)

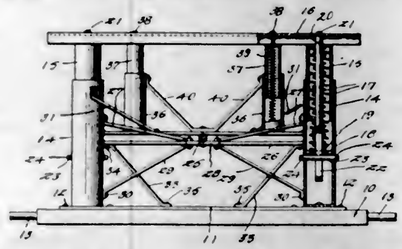


1. In a structural assemblage of the class described, an apertured plate adapted to accommodate a plurality of ice cream or similar cups, an ice cream containing and carton charging pan of general rectangular form, said rack plate being also of rectangular form and disposed in parallelism beneath the bottom of said pan, resilient assembling hooks carried by the marginal portion of the pan and releasably engageable with the marginal edges of said plate, the bottom of said pan being provided with a plurality of openings provided with depending annular carton retaining elements, individual valves mounted in said depending annular retaining elements, and a single operating frame mounted in the pan and having operating connection with the valves for simultaneously controlling the valves.

2,100,040
COIL SPRING TRAILER
Leonard Sterling, Newton, Tex.
Application August 1, 1936, Serial No. 93,894
1 Claim. (Cl. 280—106.5)

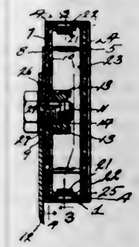
A trailer comprising upper and lower horizontal frame bars, a lower pair of tubular guide members secured to said lower bar, a second pair of tubular members secured to said upper bar

and slidably engaging said lower tubular members, an intermediate frame bar secured at the ends thereof to said lower tubular members at a point spaced upwardly of the lower ends thereof, telescoping tubular members secured to said intermediate and said upper bar between said first named guide members, expanding springs within said tubular members, a plate in each of said lower guide members upwardly of the lower ends thereof engaging against the lower ends of



said springs, a pair of elongated rods secured to said upper bar and extending axially downward in said first named upper tubular members, said rods each having an elongated opening therethrough, a pin extending transversely through each lower guide member and the opening therein to thereby limit the vertical movement of said upper bar, a draft bar, forwardly extending bracing means secured to said lower guide members and to said draft bar, and an axle secured to said lower bar.

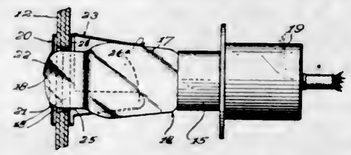
2,100,041
HOLDER FOR BRAKE INSPECTION TAGS
George Thieler, Jr., New Orleans, La.
Application June 6, 1936, Serial No. 83,982
5 Claims. (Cl. 40—2.2)



1. A housing and locking device comprising a casing, a securing bolt extending into said casing, a nut carrying plate carried by the bolt within the casing and through which the bolt extends, a nut threaded on the bolt and anchored to the nut carrying plate, a spring arm detent disc within the casing on the bolt and rotatable therewith and spring arms carried by the detent disc and in the path of apertures in the nut carrying plate and adapted to interengage in said apertures when the bolt is rotated to an unscrewed position.

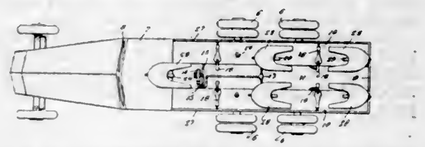
2,100,042
TUBE HOLDER
Frederick J. Travis, Chicago, Ill.
Application April 17, 1937, Serial No. 137,431
14 Claims. (Cl. 250—27.5)

5. In combination a panel, an aperture therein for the reception of a tube tip to be visible exteriorly of the panel, an escutcheon secured to the panel and provided with a fenestration and a seat for a tube tip projecting through said aperture from interiorly of the panel, an annulus disposed on the interior surface of the panel with the opening of the annulus in registry with the panel aperture, said annulus having tangs which



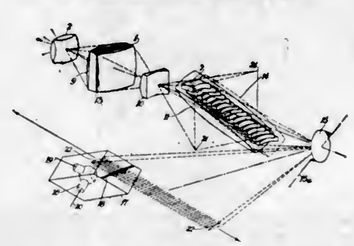
extend through the panel aperture and are turned against the exterior of the panel to underlie the escutcheon, and a plurality of spring fingers carried by said annulus arranged to embrace and press against a tapering part of a radio tube yieldingly to urge the tip of the tube through the annulus and panel aperture and against the aforesaid tube tip seat.

2,100,043
RIOT CAR
Victorino L. Tunaya, Brooklyn, N. Y.
Application February 18, 1936, Serial No. 64,546
1 Claim. (Cl. 89—36)



A riot car comprising a wheeled platform, said platform being provided with a pair of longitudinally extending liquid tanks defining an elongated aisle between the same, gun turrets mounted on the liquid tanks at spaced intervals, and liquid discharging nozzles mounted on the liquid tanks between the turrets and being connected in communication with the tanks.

2,100,044
TELEVISION
George William Walton, London, England
Application March 16, 1932, Serial No. 599,274
In Great Britain February 27, 1931
8 Claims. (Cl. 178—7.6)



1. Television and the like apparatus having an optical system comprising a scanning aperture, a first and a second laminated optical element, these elements having their laminae disposed in substantially mutually perpendicular planes, the

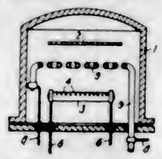
planes of the laminae of both said elements being substantially parallel to the optical axis of said system, the laminae of said first element having entrant and emergent edge surfaces and the laminae of said second element being lenticular, means for forming an image of an object to be transmitted upon said entrant edge surfaces, means for cooperating with said lenticular laminae in forming in the neighborhood of said aperture images of said emergent edge surfaces and means for producing relative motion between the last named images and said aperture.

2,100,045

DEPOSITION OF METALLIC FILMS FROM METAL VAPORIZED IN VACUO

Paul Alexander, Brussels, Belgium

Application October 10, 1936, Serial No. 105,091
In Germany October 12, 1935
19 Claims. (Cl. 91—12.2)



1. Apparatus for depositing a metal film on a support in an evacuated chamber, comprising means for vaporizing the metal and means located between the source of the vapor and the support adapted to heat the metal vapor.

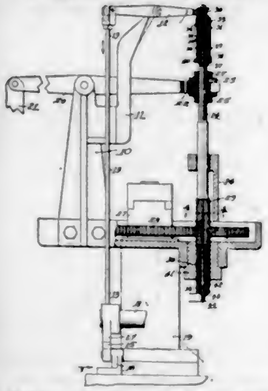
15. Process of depositing a metal film on a support in an evacuated chamber, comprising the steps of vaporizing the metal and heating the vapor in its passage from its source to the support.

2,100,046

COIL STRIPPER

William H. Blount, West Brookfield, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a corporation of Massachusetts

Application November 4, 1935, Serial No. 48,074
2 Claims. (Cl. 153—64)



1. In a device of the character described, the combination with an arbor, of a hollow spindle through which the arbor extends, means for pulling the arbor along the spindle, means for yieldingly moving the arbor in the opposite direction, a cylinder surrounding the yielding means, a skirt surrounding the cylinder to which said pulling means is connected and which is capable of sliding relative to the cylinder, and means for preventing a relative rotary motion between the skirt and cylinder.

2,100,047

PROCESS OF MANUFACTURING SOAP

Karl Braun, Berlin-Frohnau, and Hermann Plauson, Berlin, Germany

No Drawing. Application March 20, 1936, Serial No. 69,976. In Germany February 7, 1935
5 Claims. (Cl. 87—16)

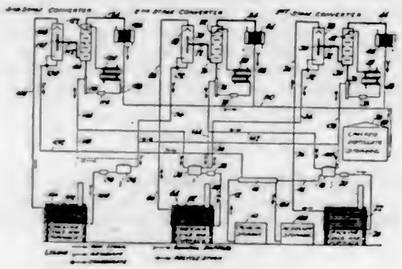
1. A process of manufacturing clear soap with sulphite cellulose spent lye, which consists in chlorinating such lye, thereafter neutralizing the treated lye with an acid, then removing the precipitated matter to obtain clear lye, oxidizing the lye, dehydrating the same, and thereafter incorporating soap to give the completed product.

2,100,048

PROCESS OF CRACKING OIL

Cecil E. Beatie, Forest Hills, N. Y., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application July 31, 1920, Serial No. 400,531
18 Claims. (Cl. 196—49)



13. A hydrocarbon oil cracking process which comprises passing the oil serially through a plurality of interconnected reaction zones and maintaining the oil under cracking conditions of temperature and pressure in each of said zones, removing vapors from each of said reaction zones and introducing the same to independent dephlegmating zones associated with the respective reaction zones, condensing insufficiently cracked fractions of the vapors as reflux condensate in said dephlegmating zones, passing reflux condensate from a dephlegmating zone associated with one of said reaction zones into a preceding reaction zone in the series, and removing and condensing the vapors uncondensed in said dephlegmating zones.

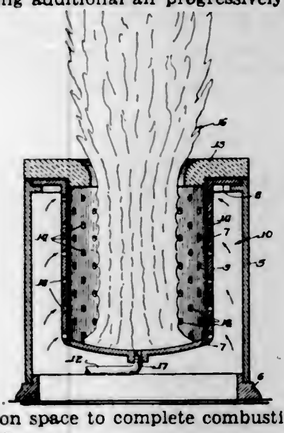
2,100,049

METHOD OF BURNING FUEL

Oscar L. Bock, Madison, Wis., assignor to Bock Oil Burner Corporation, Madison, Wis., a corporation of Wisconsin

Application November 8, 1934, Serial No. 752,035
6 Claims. (Cl. 158—117.5)

6. The process of combustion which consists in introducing a liquid hydrocarbon fuel into one end of a combustion space, introducing into said space adjacent the place of fuel introduction sufficient air to vaporize said fuel at a temperature higher than its end point by combustion of a portion of the fuel vapor sufficient to cause said temperature to be maintained, and afterward introducing additional air progressively into said



combustion space to complete combustion of the fuel vapor.

2,100,050

NIGHTDRESS AND PAJAMA

Abraham Gussow, Brooklyn, N. Y.

Refiled for application Serial No. 484,846, September 27, 1930. This application June 26, 1936, Serial No. 87,595
3 Claims. (Cl. 2—83)

1. A night dress and pajama, comprising a lower garment portion with a tubular waist formed with a vertical rear slot to provide for the slipping of the garment down over one's hips, an upper garment portion attached along substantially the front half of the periphery of said tubular waist and having a neck cut out, arm holes, and a back consisting of panel portions connected at their outer sides completely from the shoulders to the waist with the other portions of said garment upper portion and having inclined inner sides to form a cut out back for the garment and of sufficient lengths to be tied together at the rear to form a bow with tails extending over and covering the rear slit in said lower garment portion, and means for changing the position of said bow to produce different style effects.

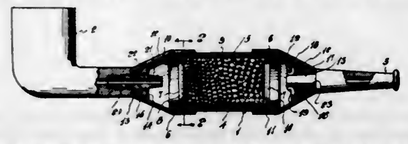
2,100,051

SMOKE FILTER FOR SMOKING DEVICES

Enoch Hallner, Ericson, Nebr.

Application September 26, 1935, Serial No. 42,341
7 Claims. (Cl. 131—12)

1. A smoke filter designed for insertion between two parts of a smoking device through which smoke passes, comprising a cylinder of deformable material, an apertured disk closing each end of the cylinder, filtering material in the cylinder between the disks, said cylinder having portions of each end inturned to form retaining means for the disks, a sleeve at each end of the cylinder



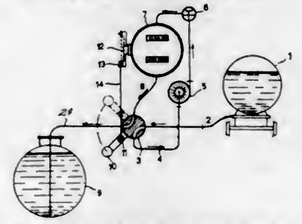
and having the cylinder end frictionally engaged therein, each of said sleeves terminating in a truncated cone, and means in each of said sleeves at the smaller end of the cone portion thereof facilitating the attachment of a portion of the smoking device thereto.

2,100,052

METER FOR MEASURING AND REGISTERING LIQUID VOLUMES RECEIVED AND DELIVERED

František Hejduk and Jan Neumann, Prague, Czechoslovakia

Application December 9, 1935, Serial No. 53,656
In Germany February 9, 1935
2 Claims. (Cl. 73—198)



1. In a two-way system for selectively measuring liquid flow, a pair of tanks, a pair of conduits respectively connecting with said tanks, a current-flow meter comprising a pair of registers and adjustable control means for selectively actuating either of said registers, said meter further comprising liquid-flow actuatable means and a liquid inlet and outlet communicating with said last mentioned means, said last mentioned means being in operative relation with said control means for selectively actuating either of said registers as said control means is adjusted, a four-way valve connected for selectively connecting in its first position the inlet of said meter to the conduit of a first one of said tanks and the outlet of said meter to the conduit of a second one of said tanks, or connecting in its second position the inlet of said meter to the conduit of said second one of said tanks and the outlet of said meter to the conduit of said first one of said tanks, and interlocking means interlocking said valve and said control means for causing said control means to actuate a first one of said registers when said valve is in said first position and to actuate a second one of said registers when said valve is in said second position.

2,100,053

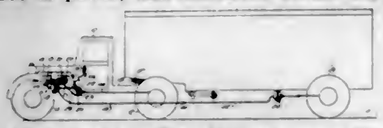
BRAKE CONTROL MECHANISM

Edward G. Hill, Richmond, Va., and John X. Phillips, Washington, D. C., assignors to Hill Engineering Corporation, Richmond, Va., a corporation of Virginia

Application January 31, 1934, Serial No. 709,204
12 Claims. (Cl. 188—3)

1. In a braking system for a truck and trailer combination, a power device for operating the

truck brakes, a power device for operating the trailer brakes, a manually operable control mechanism for connecting the power devices to a source of power, and automatic means depend-



ent solely on the differential pressure acting on said trailer power device for rendering said control mechanism operative for connecting the truck brake power device to the source of power.

2,100,054

ANESTHETIC TANNATE

Russell Hopkinson and Alexander V. Tolstoouhov, New York, N. Y., assignors to Ostro Research Laboratories, Inc., New York, N. Y., a corporation of New Jersey

No Drawing. Application October 27, 1933, Serial No. 695,506
4 Claims. (Cl. 167—52)

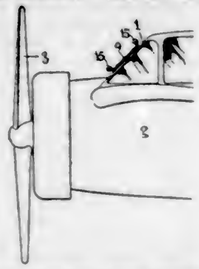
1. A composition for treating skin lesions having therein a compound in the list consisting of 1-ethoxy-4-(beta- diethyl - amino-ethyl) - naphthalene tannate, diethyl-amino-ethyl ester of p-amino benzoic acid tannate, α-butyloxy cinchoninic acid diethyl-ethylenediamine tannate, methyl ethyl dimethylamino-methyl carbinol benzoate tannate, ethenyl-p-diethoxydiphenyl-amidine tannate, tropacocaine tannate, trimethyl-benzoxy-piperidine tannate, benzoxy-dimethyl-amino-methyl dimethyl-amino butane tannate, p - amino - benzoyl dimethyl - amino-methyl-butanol tannate, and p-amino-benzoyl-gamma-dinormal-butylamino propanol tannate.

2,100,055

WINDOW CLEANER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application April 26, 1935, Serial No. 18,474
12 Claims. (Cl. 15—250)



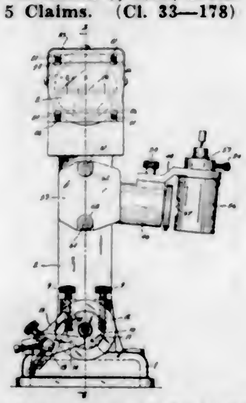
1. A window cleaner comprising a support, a shaft mounted thereon for both axial and rotational movements, wiper means connected to the shaft and adapted to be moved thereby during its axial movement into firm wiping contact with the window surface, a brake member rotatably mounted on the support, centrifugally responsive means movably connected to both the shaft and the brake member to rotate therewith, said responsive means having parts acting on the shaft to also move it axially, resilient means urging the responsive means to its normal position and acting to return the shaft axially for relieving the pressure in the wiping contact when the wiping means is at rest, and means cooperating with the brake member to arrest the rotational movement of the shaft while permitting freedom of axial movement under the urge of said resilient means.

2,100,056

OPTICAL BORE COMPARATOR

Paul Klamp and Royal Kiehl, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application November 9, 1936, Serial No. 109,842
5 Claims. (Cl. 33—178)



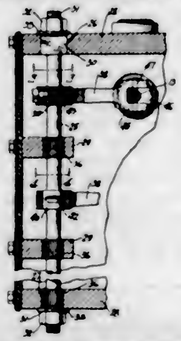
1. In a bore comparator, a work receiving horn having a longitudinal bore and a diametral bore, a pair of L-shaped pins mounted in said diametral bore, said pins being arranged with the base of one against the stem of the other so that the assembled pins have a central opening therethrough, a contact point in the outer portion of the base of each pin, a spindle mounted in said longitudinal bore of said horn and extending through said central opening in said nested pins, connections between said pins and said spindle causing rotary movement of said spindle when said pins move endwise relative to each other, indicating devices actuated by movement of said spindle and means forcing said pins outwardly to project said contact points beyond the surface of the horn.

2,100,057

VALVE SPRING

Henry Krebs, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 24, 1934, Serial No. 712,823
9 Claims. (Cl. 123—90)



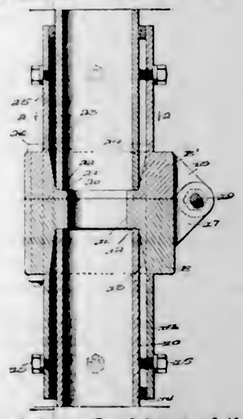
1. In an internal combustion engine, the combination with a plurality of poppet valves having stems, of a shaft disposed in a plane substantially perpendicular to said valve stems and supported rigidly at spaced points on either side of each valve, and a plurality of arms, one allocated to and operatively connected with each valve stem, each arm being secured to said shaft intermediate points of support for the shaft and extending generally perpendicularly to the shaft, said shaft being torsionally stressed intermediate each arm and the adjacent points of support of the shaft to urge the arms in one direction.

2,100,058

LIGHT SUPPORT

Frank C. McGrady, Washington, D. C.

Application October 20, 1933, Serial No. 694,496
3 Claims. (Cl. 248—159)



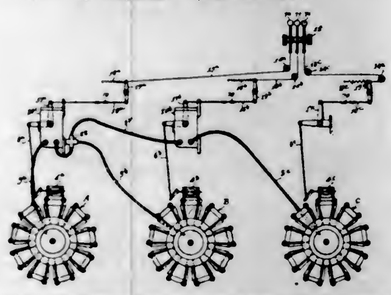
1. A support for a flood lamp of the type described comprising a base member and a top member, a pair of complementary hingedly connected blocks mounted upon the base member for support of the top member, tubular skirts fixed to said blocks and positioned on opposite sides thereof for the reception of said base and top members, and a bore extending centrally through said blocks having a flange therein for supporting on opposite sides thereof said base and top members, said bore and flange cooperating to support said base and top members in spaced relation with respect to said skirts, and means to secure said base and top members in position.

2,100,059

CONTROL SYSTEM

Silas A. Morehouse, Glendale, Calif., assignor to Rocky Mountain Steel Products, Inc., Los Angeles, Calif., a corporation of California

Application July 22, 1935, Serial No. 32,575
7 Claims. (Cl. 60—97)



1. In combination with two independently driven shafts to be synchronized, control means for varying the speed of one of said shafts, differential means connected to said two shafts comprising a differential member rotatable in response to a departure from a predetermined speed relation between said shafts, a rotatable driving member coupled to said differential member for rotation thereby, an oscillatable driven member in driven relation with said driving member only through a predetermined arc of oscillation of said driven member, the latter moving out of driven relation with said driving member in response to movement beyond the said arc, means operable in response to oscillation of said driven member beyond said arc for resiliently urging said driven member back into driven relation with said driving member, and means for actuating said control means in response to movement of said driven member within said arc.

2,100,060

SINKER FOR KNITTING MACHINES

Earl R. Piercy, Indianapolis, Ind., assignor to Thomas & Skinner Steel Products Company, Indianapolis, Ind., a corporation of Indiana

Application July 13, 1936, Serial No. 90,356
2 Claims. (Cl. 66—110)



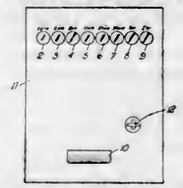
1. A sinker for knitting machines, comprising a flexible sheet-steel body portion provided at the end with a notch and nib, the steel of said sinker having at and in the vicinity of the notch-base a spot which is hard in comparison with the adjacent material.

2,100,061

COIN REGISTERING AND CALCULATING APPARATUS

Uno Sundelin and Karl Axel Teodor Granzelius, Stockholm, Sweden, assignors of part interest to Fredrik Hammaren, Stockholm, Sweden

Application February 17, 1932, Serial No. 593,660
In Sweden November 2, 1926
19 Claims. (Cl. 194—10)



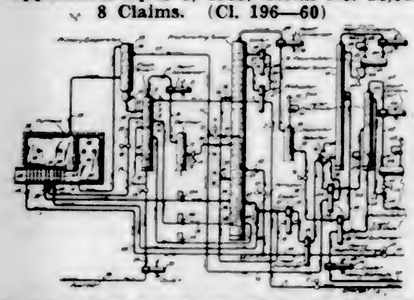
1. The combination with a coin register of the type including a plurality of value indicating keys and means operable upon the actuation of one of said keys to register the value corresponding to the said actuated key, of coin-receiving means including a plurality of coin chutes for receiving coins of different values, electric contact means associated with said coin chutes and operated by the inserted coins, electric circuits controlled by said contact means, electromagnets inserted in said circuits and associated with said value indicating keys, one of said coin chutes adapted for special coins of a value consisting of more than one digit differing from zero, the electric circuit associated with said chute for special coins including relay means for cutting in the electric circuits pertaining to the keys which correspond to the digits of said special coins.

2,100,062

CRACKING OF HYDROCARBON OIL

John W. Throckmorton, New York, N. Y., assignor to Gyro Process Company, Detroit, Mich., a corporation of Michigan

Application April 3, 1935, Serial No. 14,449
8 Claims. (Cl. 196—60)



1. A cracking process comprising heating a hydrocarbon oil under a pressure substantially above atmospheric, separating the heated oil into vapors and unvaporized oil in an evaporating zone, combining the unvaporized oil with a charge oil in a flash zone maintained at a pressure substantially less than that in the evaporating zone, cracking the combined oil in the liquid phase, cracking the vapors in the vapor phase, quenching the reactant from the vapor phase cracking operation to below active vapor phase cracking temperature by means of a cooler hydrocarbon quench oil, separately separating the reactant from the liquid phase cracking operation and the quenched reactant into vapors and unvaporized oil in separating zones maintained at a pressure substantially above atmospheric, fractionating the last mentioned vapors in a single fractionating zone maintained at substantially the last mentioned pressure, returning the unvaporized oil in each of the last mentioned separating zones to the flash zone and removing and condensing vapors from said fractionating zone as a distillate product of the process.

2,100,063

PROCESS FOR THE PRODUCTION OF TANNED PICTURES

Rudolf Zahn, Wiesbaden, Germany, assignor to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany, a corporation of Germany

No Drawing. Application November 29, 1932, Serial No. 644,920. In Germany December 9, 1931
4 Claims. (Cl. 95—6)

1. Process for the production of tanned pictures which comprises exposing under a pattern a light-sensitive layer comprising a colloidal substance capable of being tanned and a light-sensitive aromatic diazo compound of high molecular weight, which contains at least three six-membered carbocyclic rings and is constituted according to the formula R—X—R_1, wherein X stands for a member of the group consisting of CH_2, oxygen and an imino group and R and R_1 for a radical of the group consisting of aromatic and hydroaromatic radicals of the benzene and naphthalene series at least one of which contains a diazo group, and then dissolving the colloid at the unexposed parts.

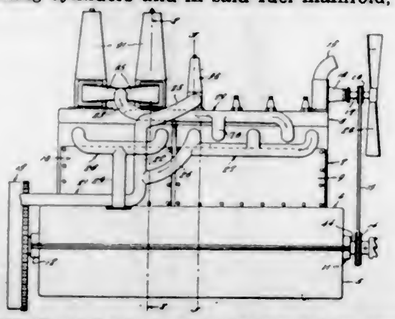
2,100,064

INTERNAL COMBUSTION ENGINE

Alvin K. Zimmerman, Akron, Ohio

Application May 1, 1934, Serial No. 723,373
6 Claims. (Cl. 123—59)

6. In an internal combustion engine comprising working cylinders and compressing cylinders, each of said cylinders having an intake valve and an exhaust valve, a fuel manifold connecting all of the compressing cylinders with some of the working cylinders, an exhaust manifold leading from said working cylinders, first safety valve means in communication with said compressing cylinders and said exhaust manifold, second safety valve means communicating with said fuel manifold and with said exhaust manifold, the first and second safety valve means being normally resiliently closed and arranged to open upon development of excess pressures in said working cylinders and in said fuel manifold, re-



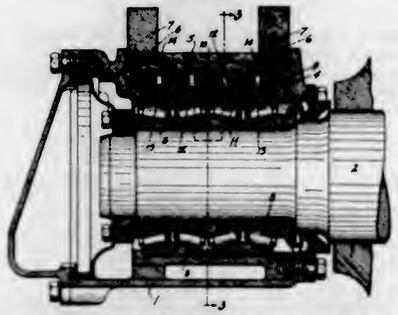
spectively, and arranged to be opened by excessive back pressure in said exhaust manifold, said first and second safety valves each comprising a casing having one end surrounding a valve opening in the corresponding cylinder or fuel manifold, a web across the casing, a valve stem slidable therethrough and having a head cooperating with the corresponding valve opening, a spring on each stem and engaged between one end of the casing and a portion of said stem, and a side port in the casing axially inwardly of said web and axially outward of said valve head, said port being connected with said exhaust manifold.

2,100,065

TRUCK

Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application May 22, 1936, Serial No. 81,209
1 Claim. (Cl. 105—218)



On a car truck, a journal housing having a recess in the top thereof, a cushioning pad of smaller size than said recess mounted entirely therein, and an equalizer plate having a portion of smaller size than said recess supported therein on said pad, said pad comprising thin metallic top and bottom plates and a block of rubber

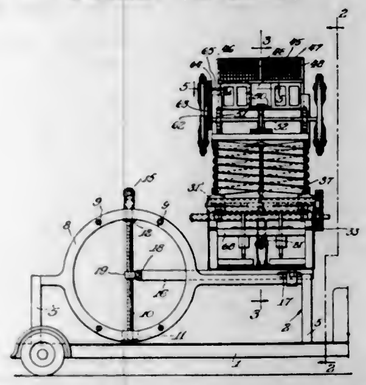
interposed between and vulcanized thereto, said pad being provided with a series of spaced parallel elongated slots that extend vertically therethrough from top to bottom thereof, said recess having a series of spaced parallel elongated ribs that project upwardly from the bottom thereof and snugly fit the lower portions of said slots and position said pad in said recess with a clearance around all its sides, said equalizer plate having a similar series of elongated ribs that depend therefrom and snugly fit the upper portion of said slots to position said equalizer plate on said pad and centrally of said recess with a clearance around all its sides.

2,100,066

FIRE FIGHTING AND RESCUE APPARATUS

Henry Frank Buchheit, Milwaukee, Wis., assignor of one-half to Annie Mater

Application February 4, 1937, Serial No. 124,151
2 Claims. (Cl. 227—22)



1. In an apparatus of the character described, a bed, supporting arms pivotally mounted on the bed, a pair of annular frames fixedly mounted on the bed, vertically disposed screw-threaded shafts carried by each of said frames, said shafts having screw-threaded connection with the free ends of the supporting arms whereby to transmit collective pivotal movement thereto, a secondary bed carried upon the pivotal supporting arms, elevating mechanism pivotally mounted on said secondary bed movable in a direction at substantially right angles to said supporting arms, spring actuated means on said secondary bed connected to one side of the elevating mechanism for normally imparting an upward thrust thereto, means on the secondary bed connected to the opposite side of said elevating mechanism operable for effecting pivotal movement of the elevating mechanism against the normal thrust of said spring actuated means, and a compartment carried on the elevating mechanism.

2,100,067

VOLUMINOUSLY SWELLABLE SUBSTANCE AND PROCESS OF MAKING SAME FROM WAXES

Henryk Cohn and Conrad Siebert, Berlin, Germany

No Drawing. Application February 4, 1935, Serial No. 4,996. In Germany February 14, 1934
2 Claims. (Cl. 252—1)

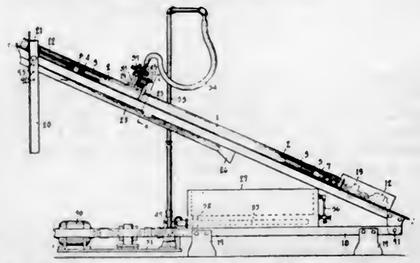
1. The process of making a strongly swellable substance from wool grease, which comprises saponifying the said grease at room temperature with the aid of an alcoholic solution of caustic potash containing petroleum-ether, removing from the saponified grease the product insoluble in the alcohol, and separating from the dissolved part by means of water a water insoluble substance constituting the strongly swellable substance to be produced.

2,100,068

COATING APPARATUS

Melvin J. Conklin, Kalamazoo, Mich., assignor to Sam'l Bingham's Son Mfg. Co., Chicago, Ill., a corporation of Illinois

Substitute for application Serial No. 604,412, April 11, 1932. This application March 23, 1933, Serial No. 662,226
27 Claims. (Cl. 91—43)



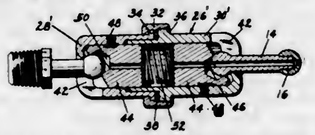
22. The method of applying a coating of uniform thickness to an inking roll or the like, comprising rotating an unheated roll to be coated in an inclined position, pouring fluid coating material thereon in a free stream moving longitudinally of the roll and beginning at the upper end thereof, and retarding the natural flow of the coating material longitudinally of the cylinder.

2,100,069

LUBRICATING DEVICE

John L. Creveling, Tucson, Ariz., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware

Application September 25, 1935, Serial No. 42,018
1 Claim. (Cl. 285—92)



A connector for the ends of two pipe sections comprising swivelly connected shell portions, each of said portions having a slot in its end for engaging with a pipe section, said slot being so arranged as to provide for angular movement of the connected section through substantially 90° while limiting such angular movement to a single plane.

2,100,070

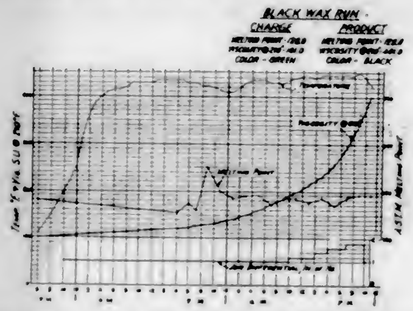
MANUFACTURE OF BLACK WAX

Aubrey D. David, Clarendon, Pa., assignor to The Petroleum Processes Corporation, Wichita, Kans., a corporation of Kansas

Application November 19, 1935, Serial No. 50,523
3 Claims. (Cl. 196—42)

3. The herein disclosed process of manufacturing black wax which comprises heating petro-

latum stock in a confined state to a temperature on the order of from 300 to 600° F. and forcing a controlled volume of air under pressure through the confined heated mass of from one quarter to fifteen cubic feet per gallon of charge over a



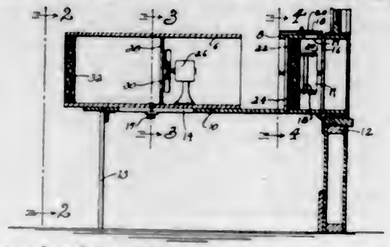
period of from about five to one hundred hours and thereby directly converting said petrolatum stock to a smooth ductile wax of permanent black color, of equal or higher melting point, greatly increased viscosity, lower penetration test and low acidity.

2,100,071
ESCAPEMENT DEVICE ON PAPER CARRIAGES FOR TYPEWRITERS
Fritz Elbert, Munich, Germany, assignor to Robert Wolff, Basel, Switzerland
Application April 19, 1933, Serial No. 666,794
In Germany April 26, 1932
3 Claims. (Cl. 197—87)

1. In an escapement device for the paper carriage of typewriters, the combination comprising a powered ratchet wheel having teeth, a universal bar actuated by a key lever of said typewriter, a flat and plate-like detaining pawl rigidly mounted on said universal bar vertically to the direction of movement of said ratchet wheel teeth, a plate-like displacement pawl mounted on said universal bar at an angle to said detaining pawl whereby a tooth of said ratchet wheel will be engaged and retained by said detaining pawl in the normal position of rest of said universal bar, and said tooth will be released in a trigger-like manner and will slideably engage said displacement pawl and return said pawls and said universal bar into its initial position of rest after actuation of said bar by a key lever of said typewriter.

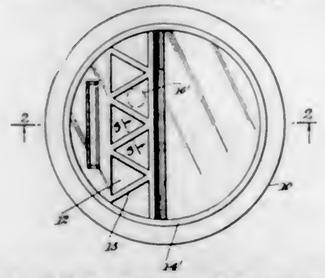
2,100,072
AIR CONDITIONING APPARATUS
Clarence W. Elber and Elmond J. Gerondale, Detroit, Mich.
Application June 4, 1936, Serial No. 83,411
3 Claims. (Cl. 98—94)

1. Air conditioning apparatus including an air chamber having axially aligned sections, a filter in each of said sections, means in one of said sections and between said filters for inducing the circulation of air through said filters, and means for adjusting the longitudinal position of one of said sections relative to the other of said sec-



tions whereby said sections may be variably spaced.

2,100,073
ASHTRAY
Ernest W. Ekstrand, New Rochelle, N. Y., assignor to Ekstrand M'f'g Co., Inc., New York, N. Y.
Application July 17, 1935, Serial No. 31,791
1 Claim. (Cl. 131—51)

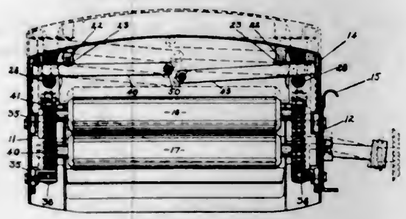


A tray of the character described formed to provide a circular bottom wall and an upstanding marginal annular wall, a vertical partition wall extending across the bottom wall between portions of the annular wall substantially at the transverse median line of the tray, a segment-shaped block integral with the bottom and annular wall with the straight side of the segment-shaped block spaced from and parallel to the partition wall and defining an elongated recess, a relatively thin zig-zag wall in the recess between the segment-shaped block and partition wall and integral with said block and wall, said zig-zag wall forming a plurality of cells triangular in plan view with opposite sides of each section of the zig-zag wall forming a wall of adjacent cells, said cells having a depth greater than the diameter of a cigarette, the circle circumscribed by each of the triangular contours having a diameter sufficiently greater than the diameter of a cigarette whereby an adjacent wall may support a cigarette at an acute angle relative to the vertical median line through a cell and said triangular cells being operative to reduce the amount of air admitted to the bottom thereof for positively extinguishing a cigarette.

2,100,074
WRINGER RELEASE AND RESET MECHANISM
Nicholas L. Etten, Waterloo, Iowa, assignor to Chamberlain Corporation, Waterloo, Iowa
Application September 3, 1935, Serial No. 38,934
2 Claims. (Cl. 68—32)

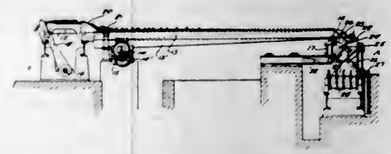
1. A roll wringer mechanism including in combination a lower frame, a detachable upper frame,

a lower roll mounted for vertical movement in the lower frame, pressure means normally forcing said roll upwardly, an upper roll supported by the top frame in position to force the lower roll downwardly when the top frame is held in position on the lower frame, means for releasably locking the upper frame on the lower frame comprising a cam surface sup-



ported in each end of the lower frame, a shaft disposed crosswise of the top frame at each end thereof, each carrying a cam co-operative with one of said cam surfaces of the lower frame and mechanism in the upper frame to rotate said cams to bring about locking relationship between said cam surfaces and cams to lock the upper frame upon the lower frame.

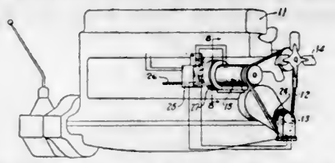
2,100,075
HANDLING ROLLED MATERIAL
Josef Gassen, Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a German corporation
Application August 21, 1935, Serial No. 37,123
In Germany June 14, 1934
3 Claims (Cl. 198—219)



1. In an apparatus for bundling cut rolled rods, and the like, the combination with a roller table adapted to receive the cut rods, of a shaking device, a means for successively transferring the rolled rods in separated groups from said roller table to said shaking device, and means for operating said shaking device so as to impart to the groups of rods a simultaneous oscillating and reciprocating motion, to cause the rods to assume a single layer, parallel relationship to each other on said shaking device and to be advanced gradually across said shaking device to a bundling station, said shaking device being constructed and arranged to operate to advance the rods across the same at progressively decreasing velocity whereby the rods are caused to collect with respect to each other as they approach the bundling station.

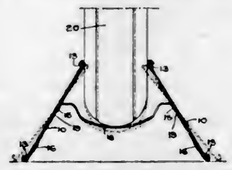
2,100,076
GENERATOR OPERATION
William E. Gilmore, Lyndhurst, N. J.
Application March 2, 1934, Serial No. 713,711
16 Claims. (Cl. 74—11)

1. In combination, a generator having an armature and a field, an over-running clutch, means for driving the armature through the clutch, and means for opening the circuit of the



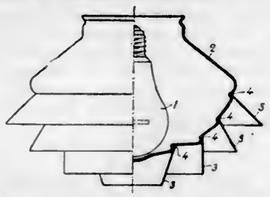
generator field during the desired operation of the over-running clutch.

2,100,077
DISPLAY DEVICE
Henry Harrison, Conshohocken, Pa.
Application May 1, 1935, Serial No. 19,163
2 Claims. (Cl. 248—174)



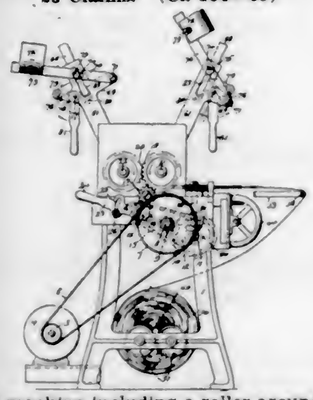
1. In combination, a holder comprising a pair of angularly adjustable elements having horizontally extending upper and lower edges, the lower edges thereof being adapted to rest upon a supporting surface, said elements being provided with embossed straps intermediate their upper and lower edges, and a yielding member having angularly directed end portions extending through said straps, to maintain said elements yieldingly in predetermined angular relation, said member being adapted to flex under the weight of an object supported thereby whereby to angularly shift said elements so that the upper edges thereof impinge against opposite sides of and support such object against tilting.

2,100,078
MULTIPLESHADE HOLDER
Poul Henningsen, Charlottenlund, near Copenhagen, Denmark, assignor to Louis Poulsen & Co., Copenhagen, Denmark
Application March 21, 1936, Serial No. 70,011
In Sweden April 4, 1935
1 Claim. (Cl. 240—108)



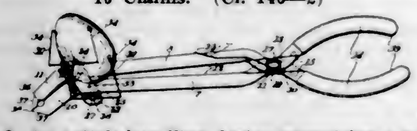
In a multiple shade holder of the character described, a glass holder of transparent or translucent material having a series of concentric annular grooves therein and a shade associated with each groove, the material forming the shades possessing the characteristic of shrinking when first moistened and then dried, whereby the shades will have their inner edges shrunk into the grooves of the holder.

2,100,079
CUTTING AND WINDING MACHINE
Oscar I. Judelshon, Park Ridge, N. J.
Application May 26, 1936, Serial No. 81,847
23 Claims. (Cl. 164—65)



23. A machine including a roller around a portion of which a strip of fabric is adapted to travel, an arbor on which the strip of fabric is adapted to be wound and to be propelled by said roller, inclined guiding members having tracks in which the ends of the arbor are guided to permit the arbor to move toward and from said roller, slides movable in said tracks and adapted to press said arbor towards said roller, levers having adjustable weights thereon, said levers pivotally supported by said guiding members and pivotally connected with said slides to exert downward pressure thereon, hand levers pivotally supported by said guides, links pivotally connected with said latter levers and said slides and operating to lock said weighted levers out of operation in raised position, subject to release by said hand levers.

2,100,080
UTENSIL
Frank P. Lackinger, McKees Rocks, Pa.
Application July 26, 1935, Serial No. 33,226
10 Claims. (Cl. 146—2)

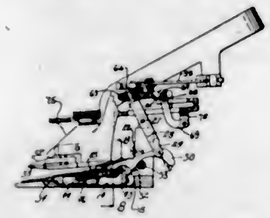


8. An article handling device comprising a pair of tong arms in pivotal relation forming handles and working ends, brackets mounted on the working ends, grasping fingers adjacent the outer side of the working ends held in position by said brackets, and means on said brackets adjacent the inner side of the working ends for piercing an article held by said fingers.

2,100,081
PROCESS FOR THE PRODUCTION OF PREPARATIONS CONTAINING THE ACTIVE CONSTITUENTS OF VEGETABLE PRODUCTS
Gerhard Madaus, Dresden, Germany, assignor to the firm Dr. Madaus & Co., Radebeul, Saxonia, Germany
No Drawing. Application May 23, 1935, Serial No. 23,072. In Germany February 4, 1935
2 Claims. (Cl. 167—82)

1. The process of producing preparations containing the active constituents of vegetable substances, which comprises triturating the fresh plants in the presence of honey, thereby preserving the volatile constituents of the fresh plants in the finished product.

2,100,082
HAIR CUTTING DEVICE
Joseph Mareska, Cicero, Ill.
Substitute for application Serial No. 588,061, January 22, 1932. This application February 6, 1936, Serial No. 62,597
10 Claims. (Cl. 30—208)



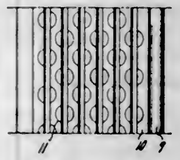
1. In combination with a pair of cutting members and their handles, a support secured to said cutting members, a gatherer carried by said support, means for reciprocating the gatherer, and means for guiding said gatherer during its reciprocation so that said gatherer moves in more than one plane relatively to said cutting members.

2,100,083
DISPENSING BOTTLE TOP
Nicholas S. Martin, Brooklyn, N. Y., assignor to No-Re-Fil Cap Corp., Brooklyn, N. Y.
Application November 30, 1936, Serial No. 113,488
4 Claims. (Cl. 215—25)



1. In combination a fluid container having a threaded nipple and a dispensing closure therefor comprising an apertured element within the bottle neck having an annular threaded lip overhanging the bottle top, a movable closure and a follower therefor within the apertured element; a resilient washer between the bottle top and the lip, an apertured washer on said lip, a movable pellet guide on said washer, a pellet within the guide, a cage for the pellet and pellet guide assembly, a movable fluid distributor embracing the cage, a guide for said distributor comprising a tapered annular body portion having an apertured outer end, and a threaded inner end with a shoulder adapted to clamp the washer and pellet cage, and an exterior tapered cap threaded at the top for a closure and at the bottom for the bottle neck and having a shoulder to clamp the dispensing closure as a whole to the bottle top.

2,100,084
PNEUMATIC TIRE TREAD
George K. McNeill, Detroit, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application October 27, 1936, Serial No. 107,773
3 Claims. (Cl. 152—14)

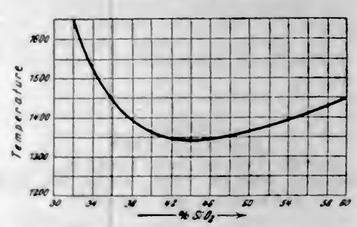


1. A pneumatic tire comprising a carcass of strain resisting elements and a body of tread rubber composition, the road engaging portion of said tread composition being provided with grooves defining a plurality of circumferentially extending, functionally continuous ribs, said ribs being slit, without removal of substantially any of the rubber composition, into arcuate segments the chords of which lie in paths formed by the side walls of said ribs.

2,100,085
PRODUCTION OF VULCANIZED RUBBER
Henry O. Newman, Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 5, 1932, Serial No. 584,893
13 Claims. (Cl. 18—53)

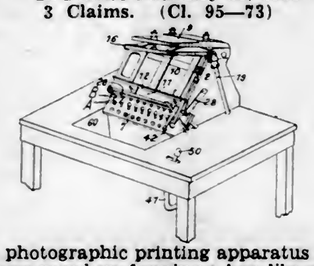
1. A process of producing vulcanized rubber which comprises incorporating with rubber a vulcanizing agent, an activatable type of organic accelerator and a substantially neutral salt of a diaryl guanidine and vulcanizing the rubber.

2,100,086
PROCESS FOR THE MANUFACTURE OF PIG IRON
Max Paschke, Clausthal-Zellerfeld, and Eugen Peetz, Duisburg-Huttenheim, Germany, assignors to H. A. Brassert & Co., Chicago, Ill.
Application March 28, 1935, Serial No. 13,508
In Germany March 29, 1934
4 Claims. (Cl. 75—41)



1. A process for the manufacture of pig iron which comprises charging a blast furnace with iron ore and sulphur containing coke and adding thereto slag-producing material in quantity such that an acid slag and a pig iron having a high sulphur content are produced, and reducing the quantity of sulphur in the pig iron after tapping from the furnace, by adding desulphurizing agents to the molten iron.

2,100,087
PHOTOGRAPHIC PRINTING MACHINE
Pierre Auguste Marcellin Priou, Chinon, France
Application February 19, 1936, Serial No. 64,713
In France February 28, 1935
3 Claims. (Cl. 95—73)

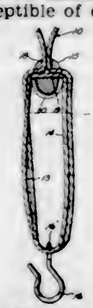


1. A photographic printing apparatus comprising frame members forming a box-like structure, a glass panel covering an aperture in the front upper portion of said structure and adapted to support a negative and a sheet of sensitized paper, a clip for holding the negative on said plate and an abutment bar for holding the sensitized sheet on the same plate, means for opening and closing said clip and moving said abutment bar, a horizontal pivot shaft upon the structure carrying a pressure plate normally held raised above said glass plate and capable of being lowered about said shaft to make contact with and resiliently press the negative and sensitized sheet on the glass plate, an electric printing lamp enclosed in said structure within said glass plate, a drive shaft, an electric motor for driving said shaft and connected in a circuit with said lamp, a control member fixed upon said shaft to rotate therewith, a switch for opening and closing the circuit of the motor, movable means for closing said switch, operated means for raising, at will, the clip and allowing insertion of a negative upon the glass plate, a plurality of similar movable manual means for initiating operation of the machine individually connected to a series of different resistances in the circuit of said lamp, intermediate means causing said movable means to close said switch upon operation of any one of the movable manual means in order to start said motor, rocking means pivoted upon the apparatus having a portion disposed in the path of said control member on said shaft and connected to said pressure plate so that rotation of the control member will cause movement of the pressure plate toward the glass plate, transmission means interposed between said motor and said drive shaft, and a movable contact member and a switch corresponding therewith for said lamp, said contact member being disposed in the path of movement of said rocking member so that operation of the latter to operate the pressure plate will cause said rocking member to move said contact member and close the switch of the lamp.

2,100,088
INSTRUMENT CORD
Albert Robertson, Milwaukee, Wis.
Application July 6, 1936, Serial No. 89,093
1 Claim. (Cl. 224—5)

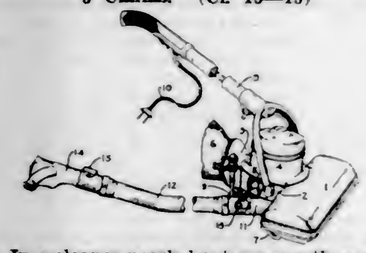
A sliding adjuster for looped instrument supporting cords, consisting of a bored block having plane surfaced opposite faces, the block having a T-shaped bore therein formed by a medially located transverse bore and a longitudinal bore extending from one end of the block to and communicating with the transverse bore, the exterior of the block having a groove extending from one end of the longitudinal bore to

the other end thereof and around the end of the block remote from the longitudinal bore, whereby the block may be bindingly adjusted on a cord which is susceptible of extension in doubled



formation through the longitudinal bore with single strands passing in opposite directions through the transverse bore and into the groove and further looped and passed entirely through the transverse bore.

2,100,089
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 23, 1935, Serial No. 22,941
5 Claims. (Cl. 15—13)

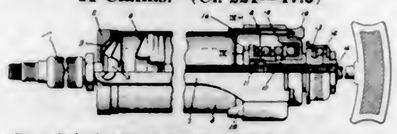


1. In a cleaner nozzle having a mouth, a second inlet into said nozzle, an unbalanced air turbine connected in series with said inlet and exhausting at a point spaced from said mouth, said turbine including an open-ended casing, means sealing said casing to said inlet, stationary guide vanes for air passing thru said turbine, rotors having blades to be contacted and rotated by the air directed thereagainst by said stationary guide vanes and an unbalanced mass to cause vibration upon rotation, means movably supporting said turbine in said nozzle and an agitator element connected to said turbine and extended into said nozzle mouth.

2,100,090
COSMETIC PRODUCTS
Fritz Sommer, Berlin-Charlottenburg, and Max Nassau, Berlin-Wilmersdorf, Germany, assignors to firm: Chemische Fabrik Grünau Landshoff & Meyer A. G., Berlin-Grunau, Germany, a company of Germany
No Drawing. Application September 18, 1935, Serial No. 41,024. In Germany September 20, 1934
15 Claims. (Cl. 167—90)

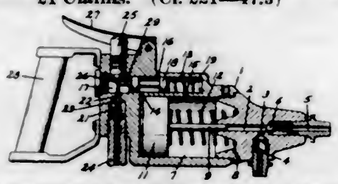
1. A cosmetic product containing albumen decomposition products of high molecular weight substituted at the nitrogen by higher fatty acid residues.

2,100,091
LUBRICATING DEVICE
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application February 3, 1936, Serial No. 62,057
11 Claims. (Cl. 221—47.3)



1. In a lubricating device, a lubricant pump, an interchangeable lubricant supply cartridge having a piston therein, means for detachably mounting said cartridge on said pump and for establishing lubricant communication between the pump and cartridge, cartridge piston operating mechanism including means pivotally connected to said pump and adapted to be swung about its pivotal axis into and out of alinement with the cartridge, and means carried by said pivotal means for engaging the cartridge to hold the pivotal means in alinement therewith.

2,100,092
LUBRICATING DEVICE
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application April 2, 1936, Serial No. 72,317
21 Claims. (Cl. 221—47.3)



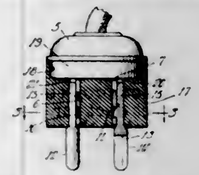
1. A lubricating device comprising, a lubricant pump having a piston mounted for reciprocation, a fluid motor having a piston mounted for reciprocation and directly connected to said pump piston, a control valve for controlling intake of fluid to and exhaust of fluid from said motor, said valve having an inlet and an exhaust position, resilient means for constantly urging said valve toward one of said positions, means to admit fluid pressure to one end of said valve to urge it to the other of said positions, and means controlled by operation of the motor to admit fluid pressure to the other end of the valve to balance the pressure thereon whereby said resilient means may return it to said one of its positions.

2,100,093
SMOKING PIPE
Joseph Torres, New York, N. Y.
Application July 24, 1936, Serial No. 92,301
4 Claims. (Cl. 131—12)



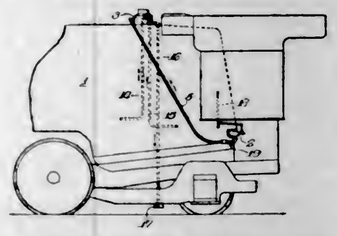
1. In a smoking pipe, a bowl, a stem extending from the bowl, provided with a transverse opening intermediate and in communication with a smoke passage from the bowl and a smoke passage to the free end of the stem, a removable plug in said opening comprising a porous element intermediate perforated resilient walls of nonporous material; the perforations of each of said walls being in continuity and alignment respectively with proximate ends of the smoke passages, whereby smoke drawn from the bowl through the passages in the stem will travel through the plug prior to its emission from the free end of the stem.

2,100,094
ELECTRIC CORD PLUG ADAPTER
Leo J. Wahl, Sterling, Ill., assignor to Wahl Clipper Corporation, Sterling, Ill., a corporation of Illinois
Application February 19, 1936, Serial No. 64,704
5 Claims. (Cl. 173—344)



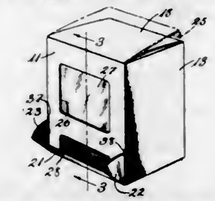
2. An adapter for electric cord plugs of the type having spaced parallel prongs, said adapter comprising a body of resilient material having spaced openings extending through the body, one end of each opening being adapted to receive one of the prongs of a plug, auxiliary prong members having shank portions entering the body at the other end of said openings, and adapted to establish electrical contact with the plug prongs in the openings, said auxiliary prong members having prong portions projecting from the body and adapted to seat in a socket, said prongs being held in place by the pressure of the resilient body thereon, the shanks of the auxiliary members and the prongs of the plugs having cooperative interlocking portions.

2,100,095
LOCOMOTIVE STEAM SEPARATOR
Lyndon F. Wilson, Chicago, Ill., and Richard J. Williams, Detroit, Mich., assignors to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application July 1, 1936, Serial No. 88,330
2 Claims. (Cl. 122—382)



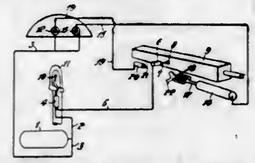
2. The combination of a locomotive provided with a blow-off valve and with one or more steam operated auxiliaries, of a separator comprising a cylindrical shell mounted in vertical position upon the locomotive and provided with an internal, horizontally disposed baffle and an upwardly extending steam delivery throat, a pipe leading from the blow-off valve and connected to said shell so as to deliver blow-off steam and water tangentially into the shell, an exhaust steam pipe leading from said auxiliaries and connected to said shell to deliver exhaust steam tangentially thereto, said exhaust steam pipe being so connected to the shell in proximity to the path of the blow-off products delivered by said blow-off valve to the shell that said blow-off products prevent the production of a back pressure in said exhaust steam pipe, and a discharge pipe connected with the lower portion of said shell through which the liquid separated in said shell from the steam is discharged tangentially from said shell.

2,100,096
DISPENSING CONTAINER
James R. Bedell, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 7, 1936, Serial No. 89,333
1 Claim. (Cl. 206—31)



A container formed of one piece of sheet material and comprising a collapsible box-like structure having a back panel, a bottom panel and two side panels hinged thereto, a front panel integral with and hinged to one of the side panels and having a glue flap adapted to be attached to the other side panel, said front panel having a dispensing opening narrower than the panel and a pair of guide slots spaced laterally therefrom and extending to its lower margin so as to define with said opening a pair of panel-supporting legs adapted to be supported from the bottom panel, said bottom having a dispensing hopper hinged thereto with arcuate end tabs formed for limited sliding engagement in said slots, said side panels being formed with interlocking means and being adapted to be locked together beneath said bottom panel so as to support the bottom against sagging, said container being formed with integral means for closing its upper end.

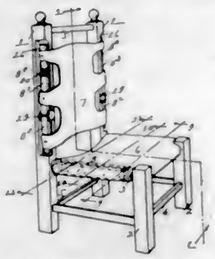
2,100,097
MACHINE GUN FIRE CONTROL APPARATUS
George Edward Beharrell, Streetly, Joseph Wright, Coventry, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company, Limited, London, England, a British Company
Application March 12, 1936, Serial No. 68,404
In Great Britain March 6, 1935
7 Claims. (Cl. 89—27)



1. Pneumatic cocking means for rapid firing small arms having a recoiling breech block and

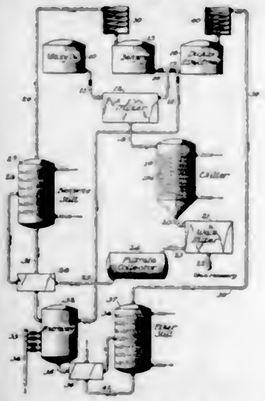
gun firing trigger, which comprises a pneumatic cylinder and piston, a valve to control the admission of air to said cylinder, a detent movable with said piston and a member extending from said breech block and engaged by said detent during the outward stroke of the piston, said detent being displaceable to release said member, a catch mounted on said detent and a spring actuated latch engaged by said catch to hold said catch and said recoil member at the end of the outward stroke of the piston.

2,100,098
CHAIR
Henry E. Bennett, Grand Rapids, Mich.
Application March 13, 1936, Serial No. 68,588
6 Claims. (Cl. 155—179)



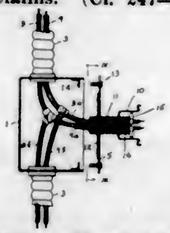
1. In a chair, in combination: a base; a yielding support for the occupant comprising a flexible sheet member and a pair of elongated comparatively rigid members extending approximately parallelly with the lateral sides of the chair, in supporting relation with the sheet member adjacent its lateral edges parallel therewith and pivotally mounted at one end for yielding inwardly swinging movement.

2,100,099
REFINING LUBRICATING OIL WITH DICHLOROETHYL ETHER
Clifford C. Buchler and James M. Page, Jr., Casper, Wyo., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 10, 1932, Serial No. 597,890
15 Claims. (Cl. 196—19)



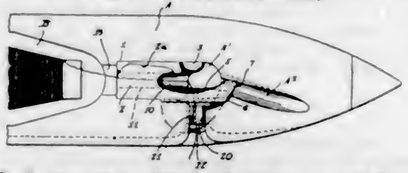
15. A process of dewaxing oils, which comprises incorporating with the oil beta beta-dichlorodiethyl ether, chilling, and separating the wax.

2,100,100
ELECTRICAL DUCT FEED
Martin M. Clayton, Baden, Pa., assignor to National Electric Products Corporation, a corporation of Delaware
Application May 22, 1936, Serial No. 81,204
5 Claims. (Cl. 247—3)



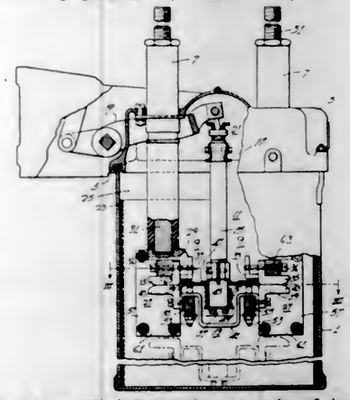
1. In combination with an elongate multiple outlet duct an outlet box having in a wall thereof an elongate opening for the reception of a take-off connector, connector-engaging means associated in the outlet box along the connector-receiving opening therein, and a hollow take-off connector adapted for projection through a wall of the multiple outlet duct for leading conductors thereinto and for entry through the wall opening of the outlet box, said hollow connector having exteriorly thereof means cooperative with the connector-engaging means of the outlet box adapted in various adjusted positions of the connector along the wall opening of the outlet box selectively to engage the connector and the multiple outlet duct in one dimension limited by the length of the outlet box wall opening.

2,100,101
LOOM SHUTTLE
James T. Curboy, Southbridge, Mass., assignor to Albert E. Leon, Belmont, Mass.
Application May 25, 1934, Serial No. 727,458
3 Claims. (Cl. 139—223)



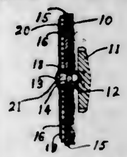
1. A one-piece shuttle threader of rigid cast metal whose rearward half has an upward extension of substantially quadrantal contour transversely of the base forming a downwardly curved bridge, whose rear end is convexly rounded, arching across a medial longitudinal cylindrical bore and separated along its lower side from the underneath marginal portion of the base to provide an elongated entrance slot below the transverse diametrical plane of the bore between top and bottom substantially parallel edges in a lengthwise direction of the threader for a substantially greater distance than the diameter of said bore, the forward portion of said base being formed with a trough-like passage open at its top and forming a continuation of said laterally slotted cylindrical bore, said passage being bounded on one side by an upstanding yarn guiding lug located at the forward end of the base and in forward alignment with, but well spaced from, the forward end of said slot, and an elevated yarn guiding beak bounding the opposite side of said passage and having a convexly curved top converging forwardly to a vertically depending tip located in axial alignment with said bored passage.

2,100,102
CIRCUIT BREAKER
Lloyd W. Dyer, Swissvale, and Gayne D. Gamel, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1935, Serial No. 10,000
9 Claims. (Cl. 200—146)



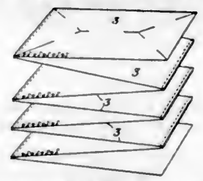
1. In a circuit interrupter, a pair of terminal members, and bridging means movable into and out of engagement therewith, each of said terminal members having a solid main contact rigidly supported thereon and a solid arcing contact rigidly supported thereon, said bridging means including a rigid bar member of conducting material having solid contact portions rigidly mounted thereon for engaging said main contacts, a second substantially rigid bar member of conducting material having solid contacting portions rigidly secured thereto for engaging said arcing contacts, and a common actuating member for said rigid bar members, a resilient connection between said actuating member and said first bar member, and a lost motion connection between said bar members, said lost motion connection enabling said contacts to open in a predetermined sequence.

2,100,103
BUTTON BACKER
Sarah Ann Harrison, Omaha, Nebr.
Application December 3, 1934, Serial No. 755,711
Renewed October 9, 1937
4 Claims. (Cl. 24—90)



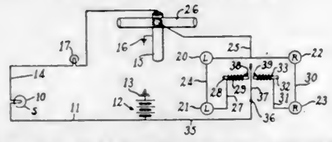
1. In combination with a garment and a button, a button backer for securing the button to the garment, said button backer comprising a piece of fabric and having a plurality of reinforced holes adjacent the center thereof, a strip of tape for tying said button to the button backer, said tape being threaded to the button and through the reinforced holes of the button backer, tied, and the ends thereof sewed to the button backer, and means for securing the button backer to the garment over a wide area surrounding the point of attachment of the button to the garment.

2,100,104
MANUFACTURE OF MATTRESSES
James Reid Johnson, New London, Conn., assignor to The Palmer Brothers Company, New London, Conn., a corporation of Connecticut
Application January 10, 1936, Serial No. 58,524
7 Claims. (Cl. 5—345)



1. In the method of making a mattress the steps of preparing a plurality of disconnected similar oblong panels, having ornamented faces exemplifying a closed design and each sufficiently large to form the top or bottom of a mattress; assembling a plurality of the panels in superimposed pairs alternately face to face and back to back; sewing together the adjacent ends of the second panel of each pair and the first panel of the next pair; and sewing together successively the other ends of each pair of panels, to unite the panels in a continuous strip; assembling the continuous strip with a continuous bat and backing; cutting the assembly into panel lengths approximately on the lines of juncture of the panel sections; assembling the panels in pairs with a boxing to form mattress casings, and inserting cores therein.

2,100,105
SIGNAL FOR AUTOMOBILES
Albert C. Lee and William Lee, New Haven, Conn.
Application December 26, 1934, Serial No. 759,144
7 Claims. (Cl. 177—339)

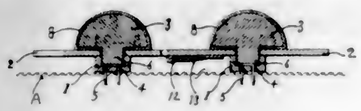


3. In a signal device for vehicles comprising a tube, means supporting said tube on the frame of the vehicle, said tube being in an inclined position, a signal, an electric circuit leading to the signal and having spaced contacts in the lower end of said tube, a conducting liquid in said tube adapted to remain at the lower part thereof upon motion of said vehicle in a given direction and to be moved toward the elevated end of the tube upon a change in the direction of motion of said vehicle to make and break the circuit through said signal, a manually operated switch to close said circuit when said conducting liquid is in circuit-making position, said switch comprising a member normally urged to a neutral position, and magnetic means to hold said switch in closed position after manual movement of the switch to said position.

2,100,106
BUTTON AND CLASP CONSTRUCTION
Josuke Matsumoto, Los Angeles, Calif.
Application July 24, 1936, Serial No. 92,402
In Japan October 8, 1935
8 Claims. (Cl. 24—230)

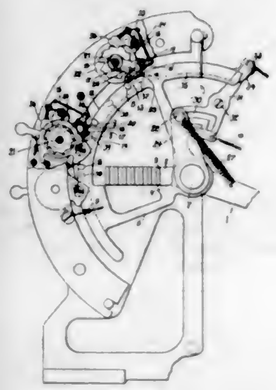
1. In a clasp, a pair of buttons having cup shaped bodies adapted to be secured to a garment, heads removably engaged in said bodies,

base plates between said heads and said bodies and extending therefrom into interfitted rela-



tion to one another, and cooperating clasp elements on the under sides of said plates.

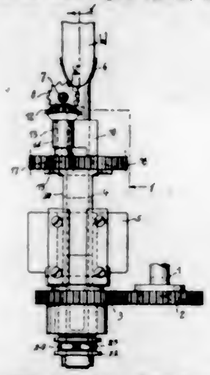
2,100,107
COUNTER SELECTING AND OPERATING MEANS
William L. Paden, Dayton, Ohio, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio, as trustee
Application November 2, 1934, Serial No. 751,175
10 Claims. (Cl. 235—6)



1. In a register, a plurality of counters, a selector plate provided with notches and a groove, a slide provided with notches mounted in the groove, the notches in the plate being differentially spaced apart and the notches in the slide being equally spaced apart, means to move the slide so as to bring one of the notches of the slide into alignment with one of the notches of the plate and to move the plate and slide beyond the point where the notches were brought into alignment, and means connected to the counters to engage the two notches in alignment and upon the last-named movement of the plate and slide to operate the selected counter.

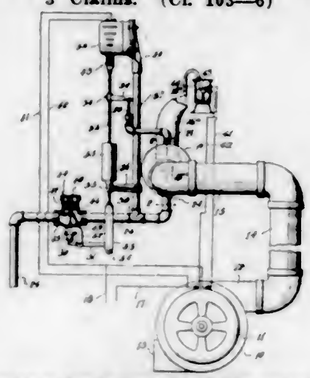
2,100,108
CIGAR BUNCH TRIMMER
Constantin Friedrich Röber, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany
Application August 20, 1935, Serial No. 36,944
In Germany August 27, 1934
8 Claims. (Cl. 131—39)

1. A device for removing the annular projection on the mouth piece ends of cigar fillers incident to the clipping of the twisted wrapper end therefrom, comprising a milling cutter, means for supporting the milling cutter against the said annular projection of the cigar filler, and means for



moving the milling cutter while turning said cutter around the axis of the cigar filler.

2,100,109
DOMESTIC WATER SYSTEM
William H. Ryan, Newburgh, N. Y.
Application April 17, 1936, Serial No. 74,839
3 Claims. (Cl. 103—6)

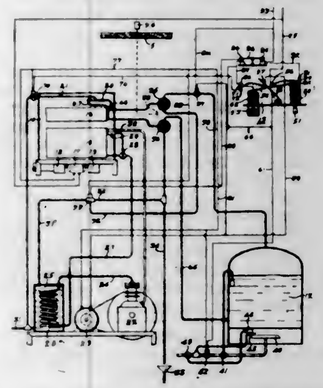


1. A means for automatically supplying air to a water system having an electrically operated pump, comprising a casing adapted to be interposed in the system on the outlet side of the pump, an air intake means connected to the casing, a drain pipe connected to the casing, a spring pressed valve in the air intake means, a spring pressed valve in the drain pipe, means engaging each of said valves for moving said valves to open position when the pump is inoperative, and means engaging said latter means for disengaging said latter means from the valves when the pump is operative.

2,100,110
AIR CONDITIONING
Nelson J. Smith and Jewel C. Chambers, Dayton, Ohio, assignors, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application June 30, 1933, Serial No. 678,388
18 Claims. (Cl. 257—3)

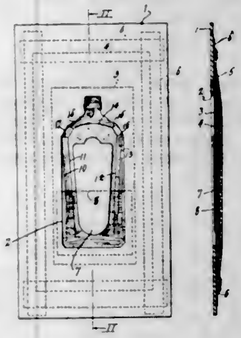
1. In an air conditioning apparatus, an enclosure, the air of which is to be conditioned, an air cooling refrigerant evaporating chamber

for said enclosure, a refrigerant liquefying unit for supplying refrigerant to said evaporating chamber, said refrigerant liquefying unit being cooled by a fluid, tempering means for tempering the air cooled by said evaporating chamber by heat exchange with said fluid, a boiler, means



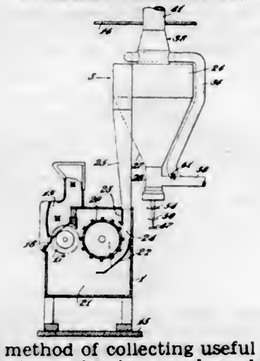
for automatically controlling the operation of said tempering means in accordance with air conditions of said enclosure, and means for connecting said tempering means to said boiler automatically in accordance with atmospheric conditions.

2,100,111
DISPLAY SIGN
Fred Stonebraker, Sr., San Diego, Calif., assignor, by direct and mesne assignments, to Illustigraph Corporation, San Diego, Calif., a corporation of California
Application June 29, 1936, Serial No. 87,844
5 Claims. (Cl. 40—126)



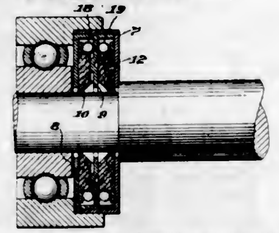
1. A sign comprising a sheet of transparent material framed in the outline of a translucent body to be simulated, which body has an irregular surface of substantial depth, in combination with a reflector positioned back of said sheet of transparent material for reflecting light through said sheet, in which said reflector has surface irregularities therein to simulate the irregularities in the surface of the body and said transparent sheet has shading thereon juxtaposed to irregularities of said reflector.

2,100,112
METHOD OF COLLECTING LINT
Dick Taylor, Paris, Tex., assignor to Southland Cotton Oil Company, Paris, Tex., a corporation of Texas
Original application June 5, 1936, Serial No. 83,650. Divided and this application February 24, 1937, Serial No. 127,462
3 Claims. (Cl. 19—72)



1. That method of collecting useful lint from a battery of gin mechanisms each so devised as to deliver a lint carrying air current, said method comprising as steps keeping the lint and accompanying dust in air suspension and, while they are in air suspension, separating the useful lint from dust in accordance with the relative masses of the lint and dust particles, dividing the air current into two streams, in one of which the major part of the lint is suspended and in the other of which the major part of the dust is suspended, conducting each dust-laden air stream to a point of discharge remote from the gin mechanism, conducting the several lint-laden air streams away from the respective gin mechanisms, merging said lint carrying air streams, and separating the useful lint from the air after merger of said streams.

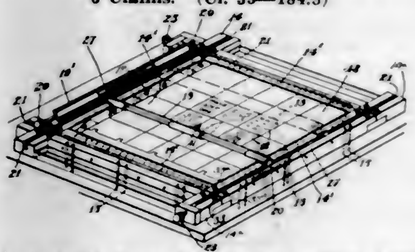
2,100,113
GREASE RETAINER
Edward P. Travis, Floral Park, N. Y., assignor, by mesne assignments, to Chicago Rawhide Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 3, 1933, Serial No. 655,039
1 Claim. (Cl. 288—1)



A grease retainer for bearings comprising an annular casing, two annular fibrous washers mounted in said casing, said washers having flat walls bearing against the outer walls of said casing, whereby the casing affords lateral support for said washers adjacent to the inner edges of the washers, the inner margins of said washers adjacent to each other being bevelled to provide thin inner edges thereon for engagement with the shaft on which the device is to be used, springs

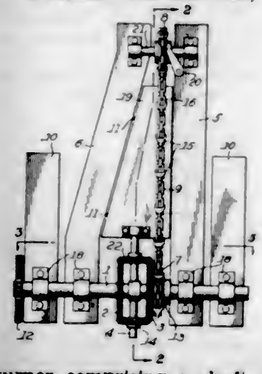
acting on the outer edges of said washers to contract them radially, a partition separating said washers, and lugs on said partition entering recesses in said washers to prevent the washers from revolving relatively to the casing.

2,100,114
ART OF LINING UP PRINTED MATTER AND REGISTERING TYPE
John P. Walsh, Boston, Mass.
Application March 23, 1935, Serial No. 12,625
6 Claims. (Cl. 33—184.5)



1. A combination lock-up and line-up frame for use in lining and squaring up printing elements in a chase on an imposing stone without removing either the chase or the frame from the imposing stone, comprising graduated rails adapted to be assembled as a frame and fastened to the imposing stone in enclosing relation to the chase, a double-edged straight edge member mounted on said frame for both sliding and tilting movements relative to the chase and provided with graduations along both of its edges which are readable with reference to the graduations of the frame rails accordingly as said straight edge member is tilted to bring a selected edge thereof into juxtaposition to the chase, and means for releasably locking the straight edge member in tilted position without interfering with the sliding movements thereof over the chase.

2,100,115
LOG TURNER
Benjamin O. Ward, Valle Crucis, N. C.
Application June 16, 1937, Serial No. 148,557
1 Claim. (Cl. 143—102)



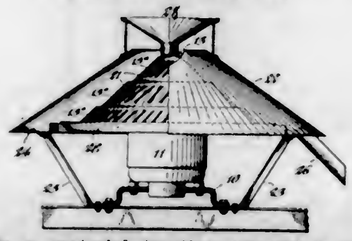
A log turner comprising a shaft, means for rotatably supporting the shaft, a pinion keyed to the shaft, a second pinion, like the first, with a sprocket wheel fastened to it, rotatably mounted on the shaft, planetary gearing rotatably mounted on a cross-shaft and meshing with the two pinions, the planetary gearing being fastened to two beams which are rotatably mounted on the shaft one on one side of the two pinions and the other on the other side, a second sprocket wheel mounted as an idler at the other end of the beams in line with the first sprocket wheel, an endless chain with hooks attached to it running on the two sprocket wheels, a track supported by the two beams between the two sprocket wheels on the front side so as to force the hooks firmly against the log, a brake on the idler sprocket wheel to furnish enough friction to lift the beams when the shaft is turned toward the log, whereby when the chain strikes the log the beams stop and as the shaft turns on, carrying with it the pinion keyed to it and as the planetary gearing that is secured to the beams that support the idler sprocket wheel and chain also stop then the rotatably mounted pinion and sprocket wheel turn in an opposite direction carrying the chain with its hooks up against the log forcing it to turn; power being applied to the shaft by a spur gear and pinion connected to power transmission means; the beams with the idler sprocket wheel returns to a horizontal position when the shaft is turned in a reverse direction so that logs may be rolled over it to the carriage.

2,100,116
METHOD AND APPARATUS FOR TREATING PYORRHEA
George Farrell Webb, Kansas City, Mo.
Application September 5, 1935, Serial No. 39,266
4 Claims. (Cl. 128—303.17)



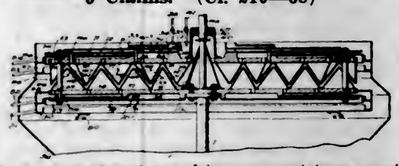
1. In a method of treating pyorrhea the steps of successively subjecting small areas of unattached gingival margin to the action of a high frequency current.

2,100,117
APPARATUS FOR TREATING MATERIALS
William L. Wettlaufer, Buffalo, N. Y.
Application January 22, 1935, Serial No. 2,913
Renewed October 12, 1937
4 Claims. (Cl. 210—68)



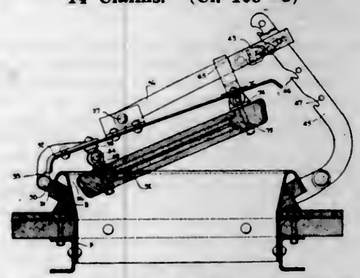
1. In a material treating apparatus of the character described, a centrifugal separating drum open at its upper and lower ends for the feed and discharge of material to and from the same, flanges disposed substantially radially about said drum and extending inwardly from the walls thereof, and baffle means disposed within said drum in superposed spaced relation to provide a plurality of separating zones, said baffle means abutting at their peripheries with the opposing edges of said flanges and adapted to intercept and direct the material outwardly from the lower end of one zone to the upper end of an adjoining zone, said drum having discharge slots in the zone areas thereof for the discharge of water and like matter separated from the material undergoing treatment.

2,100,118
SEPARATING LIQUIDS FROM SOLIDS AND APPARATUS THEREFOR
Nathaniel R. Andrews, Yonkers, N. Y.
Application February 27, 1936, Serial No. 66,125
6 Claims. (Cl. 210—68)



1. A centrifugal machine comprising a rotatable shaft, two spaced parallel plates mounted on said shaft, two spaced annular sheets corrugated in circles mounted between said plates and so disposed as to provide a sinuous radial passage therebetween for material to be separated, peripherally disposed faces of the corrugations of said corrugated sheets being foraminous in order to provide outlets for liquids from said sinuous passage, means for feeding material centrally into said sinuous passage and means for collecting separated liquids and solids.

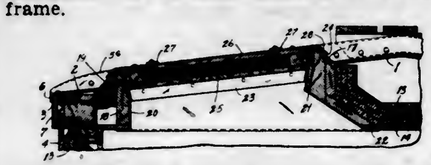
2,100,119
HATCH FOR RAILWAY CARS
Walter C. Stone, St. Louis, Mo.
Application December 9, 1936, Serial No. 115,046
14 Claims. (Cl. 108—5)



3. A railway car having a roof and spaced carlines below the roof in combination with a hatch frame having substantially vertical portions secured to said carlines and outwardly flared portions above the plane of said roof forming a hatch plug seat, and means to insulate the portion of the hatch frame above the plane of the roof.

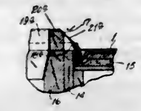
2,100,120
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application July 25, 1935, Serial No. 33,041
Renewed May 11, 1936
12 Claims. (Cl. 108—5)

1. A hatch construction for car roofs comprising a wooden hatch frame having a portion extending above the body portion of said roof, a roof sheet having an integral portion thereof pressed upwardly to form a hollow upstanding boss therein that covers said portion of said hatch frame and has a hatch opening cut in its top, and a metal hatch frame mounted in said wooden hatch frame.



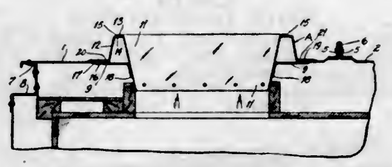
7. A roof sheet for a car roof, said roof sheet being made of rolled metal having an upstanding boss pressed therein integral therewith, said boss having a portion cut from the top thereof forming a hatch opening therein.

2,100,121
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application December 4, 1935, Serial No. 52,759
8 Claims. (Cl. 108—5.4)



1. A hatch construction for car roofs comprising a hatch sheet provided with a hatch opening having an upstanding flange along the margin thereof and a metal hatch frame having a portion located in said opening and a portion extending above said flange and provided at its upper end with a marginal flange that is rigidly secured flatwise to the flange of said hatch sheet, the flange of said metal hatch frame being inclined downwardly and outwardly therefrom and the hatch sheet flange being inclined upwardly and inwardly at a corresponding angle from the margin of said opening.

2,100,122
HATCH CONSTRUCTION
Paul E. Finger, New Kensington, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application April 11, 1936, Serial No. 73,954
16 Claims. (Cl. 108—5)



2. A hatch construction for car roofs comprising a roof sheet provided with a hatch opening and a metal hatch frame having a hopper portion located in said opening and a depending rim portion terminating at its lower end in an outstanding flange that extends beneath said roof sheet around the margin of the hatch opening therein.

2,100,123
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application April 13, 1936, Serial No. 74,218
16 Claims. (Cl. 108—5.4)



1. A hatch construction for a car roof comprising a roof sheet provided with a hatch opening having an upstanding flange along the margin thereof, and a self-contained metal hatch frame extending downwardly through said opening and upwardly above the general level of said roof sheet, members rigid with said roof and disposed in abutting relation to the inner side face of said upstanding flange, and means for rigidly securing the upper margin of said upstanding flange to the margin of the upwardly extending portion of said metal hatch frame.

2,100,124
HATCH CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application August 13, 1936, Serial No. 95,790
26 Claims. (Cl. 108—5.4)

10. A hatch construction for a car roof comprising a roof sheet provided with a hatch opening and an upstanding flange surrounding said opening, a metal hatch frame having a closed hollow rim portion fitting in said opening, means for securing said flange to said rim portion, and a filler of heat insulating material enclosed in said rim portion.

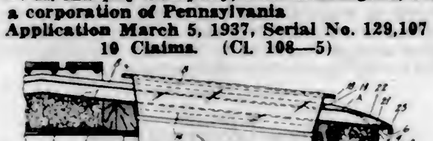
24. As an article of manufacture, a roof sheet and insulated metal hatch frame assembly adapted for application to a car roof as a complete preassembled unit, said roof sheet having a hatch opening therein and said hatch frame being disposed in said hatch opening and having a closed box-like hollow rim portion having a weatherproof connection with said sheet around said hatch opening.

2,100,125
HATCH CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application October 28, 1936, Serial No. 107,923
10 Claims. (Cl. 108—5.4)



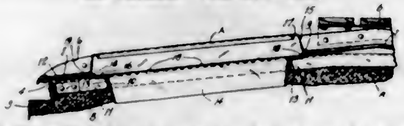
1. A hatch construction for a car roof comprising a metal hatch frame having a portion extending above the general level of the roof and provided with an inwardly opening channel, and heat insulating material mounted in said channel.

2,100,126
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application September 14, 1936, Serial No. 100,624
10 Claims. (Cl. 108—5.4)



1. A car roof construction comprising a roof sheet having a hatch opening therein, a hatch frame disposed in said opening and having an exterior downwardly opening rim portion with the lower edge of its outer wall located adjacent to the edge of said opening, a closure plate for said hollow rim portion cooperating therewith to form a closed hollow box-like section, and a continuous watertight rigid joint between said edge of said outer wall and the edge of said hatch opening.

2,100,127
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application February 6, 1937, Serial No. 124,365
12 Claims. (Cl. 108—5.4)

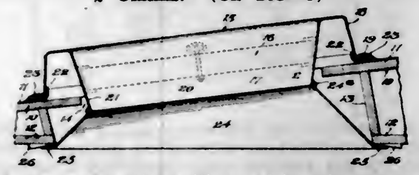


1. In a hatch construction for car roofs, a roof sheet provided with a hatch opening, a metal hatch frame for said opening comprising upper and lower body sections, said lower body section being located entirely below said roof sheet and said upper body section having its lower portion disposed in said hatch opening and seated on said lower body section, and a continuous weld securing said upper and lower body sections and said roof sheet together around said hatch opening.

2,100,128
HATCH CONSTRUCTION
Victor E. West, New Kensington, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application March 5, 1937, Serial No. 129,107
10 Claims. (Cl. 108—5)

1. A car roof having a hatch opening therein and a member superimposed on said roof and extending from eaves to eaves thereof, said member having a hatch frame rigid therewith registering with said hatch opening.

2,100,129
HATCH FRAME
Louis C. Wilkoff, Youngstown, Ohio, assignor, by mesne assignments, to P. H. Murphy Company, a corporation of Pennsylvania
Application February 7, 1936, Serial No. 62,856
2 Claims. (Cl. 108—5)

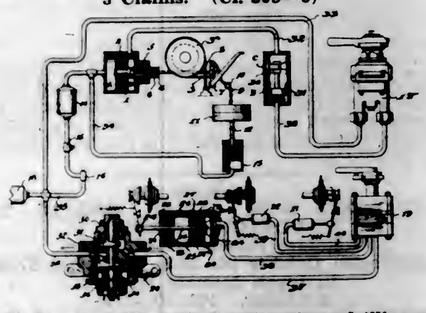


1. In combination with a refrigerator car and the like having a roof and ceiling spaced therefrom, an opening in said roof and ceiling, and a relatively heavy, rigid hatch frame positioned in said opening and including a one piece metal well having downwardly sloping side and end walls positioned within said roof and ceiling openings, and spaced from the walls thereof, and means for connecting the hatch frame to the roof at points spaced from the roof to provide a watertight imperforate joint therebetween.

2,100,130
HATCH CONSTRUCTION
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application September 4, 1937, Serial No. 162,414
10 Claims. (Cl. 108—5.4)

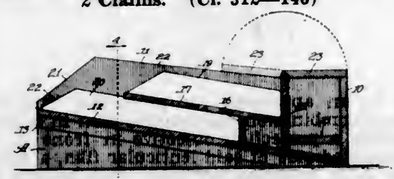
1. A hatch construction for a railway car comprising a non-metallic hatch frame, an insulated hatch plug, and a metallic hatch frame or liner fitted in said main frame and cooperating therewith to form the outer end portion only of a seat for said hatch plug.

2,100,131
DISTANT PNEUMATIC CONTROL FOR A DRILLING RIG
Matvey Alcunovitch Capeliushnicoff and Semien Lvovitch Zalkin, Baku, Union of Soviet Socialist Republics
Application December 3, 1934, Serial No. 755,842
In Union of Soviet Socialist Republics November 28, 1933
3 Claims. (Cl. 303—6)



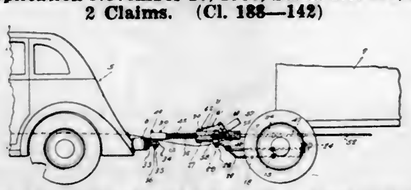
1. A pneumatic control system for a drilling rig comprising a rotatable member and a brake member adapted to be applied to or released from said rotatable member, a brake cylinder, a piston in said cylinder dividing the latter into two chambers, means connecting said piston with said brake member, an air reservoir, means including a regulating device, and a non-return valve for maintaining the pressure in said reservoir at a predetermined value, and means connecting said reservoir with one of said chambers whereby the piston is subjected to a predetermined air pressure constantly acting through said connecting means to apply said brake member.

2,100,132
COMMODITY DISPLAY CABINET
Edward D. Davis, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1935, Serial No. 12,918
2 Claims. (Cl. 312—146)



1. In a display cabinet of the character set forth, a case, walls providing a transverse compartment at the rear of said case, a floor extending forwardly from said compartment and upwardly toward its free end, and a swing door carried by said case and adapted to be swung to one position in which it closes said compartment and also to another position in which it covers the rear portion of said floor.

2,100,133
TRAILER HITCH AND BRAKE ACTUATOR
Jodie T. Dixon, Luxora, Ark.
Application November 16, 1936, Serial No. 110,143
2 Claims. (Cl. 188—142)



2. Coupling apparatus for use on a trailer having steering mechanism and brake mechanisms, respectively, said apparatus comprising an elongated bar adapted to be pivotally connected with the axle of the trailer at a point between the ends of said bar, a plate pivotally connected to one end of the bar, a guide block fixedly secured to the plate, a draft rod having a sliding fit through the guide block and provided at one end with means for connecting it to a draft vehicle, said means embodying an abutment, a rod secured at one end to the rear end of the first-mentioned bar and operatively connected to said steering mechanism for transmitting turning movement of the first-mentioned bar to said steering mechanism, and thereby steering the trailer, a spring disposed about the draft rod and having one end bearing against said abutment and a relatively opposite end bearing against said guide block, means operatively connecting the draft rod with said brake mechanism for applying the brakes upon a push being

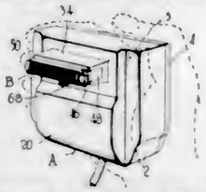
exerted upon the draft rod, and means connected with said guide block and adapted to be engaged with the draft rod for arresting movement of the draft rod relative to the guide block in one direction, whereby to preclude an application of the wheel brakes when desired and incidental to the backing up of the vehicles.

2,100,134
APPARATUS FOR PROJECTING LENTICULAR FILM
John Eggert, Leipzig-Gohlis, and Gerd Heymer, Wolfen Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application November 24, 1934, Serial No. 754,656
In Germany November 25, 1933
2 Claims. (Cl. 88—16.4)



1. In an apparatus for projecting lenticular film in combination, a lenticular film in a plane position, a projection objective in front of the lenticulated side of said lenticular film, a multi-color filter arranged in front and beyond the focus of said objective with its color strips parallel to the lenticular elements, said objective and said multi-color filter being arranged at distances from said lenticular film so as to project in co-operation a real image of said multi-color filter opposite the emulsion side of said lenticular film with the images projected by the single lenticular elements in register with the like parts of the color filter record of the lenticular film, and simultaneously to project said film.

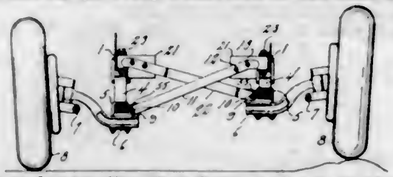
2,100,135
ELECTRIC DRY SHAVER
Irving Florman, New York, N. Y.
Application May 27, 1936, Serial No. 82,106
6 Claims. (Cl. 30—43)



6. An electric dry shaving device comprising a casing having substantially square front and rear walls and having a thickness less than either of the dimensions of the front and rear walls, the dimensions of said device being such as to permit the same to be substantially confined within the hand of the operator, a shaving unit mounted on the front wall of the casing and extending forwardly therefrom and within the projection of said wall, the cutting plane of said shaving unit being substantially parallel to the front wall of the casing.

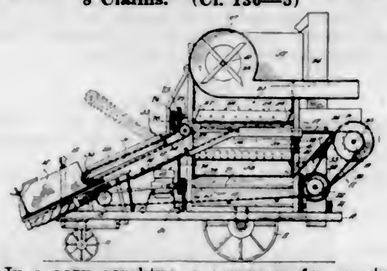
2,100,136
VEHICLE WHEEL MOUNTING FOR INDEPENDENT SHIFTING
Harry R. Fowler, Toledo, Ohio
Application April 23, 1934, Serial No. 721,984
9 Claims. (Cl. 267—19)

1. A vehicle chassis, a wheel, an axle section for the wheel, spring means between the chassis and section for yieldably spacing the wheel from the chassis, and a directing controller connected between the section and chassis comprising a link fixedly pivotally connected to the axle sec-



tion and extending therefrom, and a pair of relatively movable spaced members having connection to the chassis, each providing a bearing shiftable relatively to the chassis and having spaced connection to the link.

2,100,137
CORN COMBINE
Roy Groves, Sylvia, Kans.
Application March 7, 1934, Serial No. 714,471
8 Claims. (Cl. 130—5)



1. In a corn combine, a conveyer for receiving gathered ears of corn, a husking and shelling chamber, a husking and shelling roll mounted in said chamber adjacent said conveyer to engage the ears of corn thereon, said chamber being provided at a point laterally of the roll with an opening above the roll and being further provided at the top of the chamber with a second opening located at the side of the roll opposite said first mentioned opening, and a suction fan mounted to draw air through said openings and through said chamber transversely across the roll thereabove for evacuating husks from said chamber.

2,100,138
BRISTLE FOR CLEANING DEVICES
Friedrich Heldt, Gelsenkirchen, Germany
Application July 27, 1935, Serial No. 33,615
In Germany November 24, 1933
2 Claims. (Cl. 15—179)



1. A bristle for brushes, brooms and like cleaning devices comprising a core of tempered steel wire rope enclosed in a surrounding cable of tempered steel wires, and a sheathing of a tough, elastic, waterproof and resilient substance bonded to said core.

2,100,139
APPARATUS FOR GIVING DRAFTS TO COTTON SLIVERS
Kikutaro Honda, Osaka, Japan
Application October 30, 1935, Serial No. 47,493
In Japan January 12, 1935
2 Claims. (Cl. 19—131)

1. An apparatus for giving draft to a cotton sliver for spinning yarns comprising a cradle

divided into upper and lower pieces and provided with an interlocking means of the pieces, an independent top roller yieldingly held in the upper piece, a spring provided in the upper piece in order to press the top roller downwards, a means provided on the lower piece of the cradle so as to



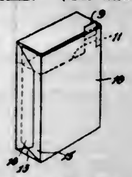
detachably fix the piece to the frame of the machine, and a lower tenser inserted in a recess provided on each side of the upper edge of the lower piece of the cradle, firmly held in its position by the lower edge of the upper piece of the cradle when the upper piece is interlocked with the lower one.

2,100,140
DECALCOMANIA
Ferdinand W. Humphner, Oak Park, Ill., assignor, by mesne assignments, to Mid-States Gummed Paper Co., a corporation of Delaware
Application January 15, 1936, Serial No. 59,318
2 Claims. (Cl. 41—33)



1. A decalcomania comprising: a paper base, a water-soluble adhesive thereon, said adhesive containing glycerine and vegetable wax, a transfer body on said adhesive, and a steel engraving print on the top of said transfer body.

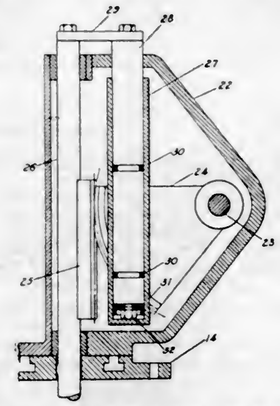
2,100,141
WRAPPING OF BLOCK SHAPED ARTICLES
Thomas Grayland Jackson, London, England, assignor to Molins Machine Company, Limited, London, England
Application August 31, 1936, Serial No. 98,763
In Great Britain October 18, 1935
5 Claims. (Cl. 229—51)



1. A wrapping comprising a substantially rectangular wrapper, said wrapper being folded so as to enclose two pairs of opposed faces of an article with a pair of opposite end portions of the wrapper overlapping, that end portion which is below the other being provided with a tongue, said tongue being folded so as to protrude from between the overlapping end portions to provide a fingerhold to facilitate the removal of the wrapping from about the article contained therein.

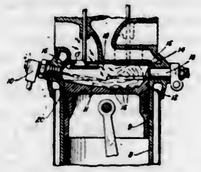
2,100,142
WEIGH CAN AND VALVE MECHANISM
Harry D. Lathrop, Chicago, Ill., assignor to The Lathrop-Paulson Co., a corporation of Illinois
Application February 1, 1935, Serial No. 4,569
7 Claims. (Cl. 137—21)

1. In mechanism of the character set forth, a receptacle, an outlet opening in the bottom thereof, a valve over said opening and adapted to close the same, said valve having a valve stem, means for raising said valve, and means controlled by the flow of liquid through said opening for auto-



matically engaging said stem to lock said valve in raised position and for automatically disengaging said stem to unlock said valve as soon as the flow ceases.

2,100,143
INTERNAL COMBUSTION ENGINE
Frank C. Mock, Montclair, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 20, 1933, Serial No. 694,483
19 Claims. (Cl. 123—32)

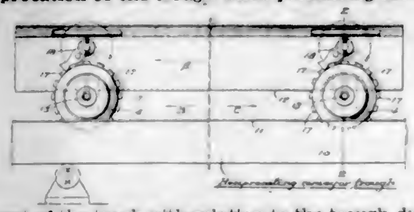


1. In an internal combustion engine having a cylinder, a reciprocating engine element in said cylinder, said element having an undulating corrugated surface having a series of round corner grooves having prominent edges at the boundary of the grooves and heated to a relatively high temperature by the combustion of fuel in said cylinder, means in the side wall of the cylinder for injecting fuel into said cylinder against the corrugated surface of said element at an oblique angle thereto, and means in the cylinder opposite to the injection means for igniting said fuel.

2,100,144
CONVEYER-PROPELLED SUPPLY TRUCK FOR USE WITH SHAKING CONVEYERS
Roscoe Moore, Kingston, Pa.
Application April 4, 1936, Serial No. 72,787
14 Claims. (Cl. 198—220)

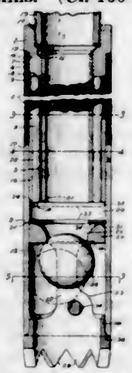
1. The combination with a reciprocating trough conveyer, reciprocation of which causes movement of a conveyed material in one direction along the trough, of a truck having guided rolling engagement with the trough, and means preventing movement of the truck with relation to

the trough during one phase of each cycle of reciprocation of the trough while permitting move-



ment of the truck with relation to the trough during the other phase of each cycle.

2,100,145
WELL POINT
Thomas F. Moore, Morris Plains, N. J.
Application August 6, 1936, Serial No. 94,675
10 Claims. (Cl. 166—5)



1. In a well point, a jetting and suction conduit, a foraminous filter surrounding said conduit in radially spaced relation thereto and forming an intervening filtrate chamber normally communicating with the lower end of said conduit, valve means actuatable by the influx of jetting fluid whereby to prevent the jetting fluid from entering the filtrate chamber and escaping outwardly through the foraminous filter, a tubular shell surrounding the lower extremity of the jetting and suction conduit and extended downwardly beyond the lower end thereof whereby to constitute a lower head for the well point, a valve seat disposed in said lower head and spaced below the lower extremity of the jetting and suction conduit, a float valve coacting with said valve seat and being free to move axially and laterally within the head aforesaid, responsive to the influx of jetting fluid, and means for limiting the axial movement of said float valve and also for displacing said float valve laterally towards one side of the head pursuant to the passage of jetting fluid through the well point, whereby to provide a substantially unobstructed space for the passage of the jetting fluid past the float valve and through the head.

2,100,146
MANUFACTURE OF SOAP FROM MARINE OILS
Sigval Schmidt-Nielsen, Trondhjem, and Arne Flood, Larvik, Norway
No Drawing. Application November 2, 1936, Serial No. 108,900. In Norway June 20, 1933
4 Claims. (Cl. 87—16)

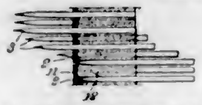
1. Process for the manufacture of soaps from unoxidized and unhydrogenated marine oils comprising the step of heating the marine oils without added catalysts and in the absence of oxygen to a temperature between about 250° C. and 300° C. in closed vessels, the said heating being continued for a period of time not less than 48 hours so as to bring about a substantial decrease of the iodine number by intramolecular saturation of the glyceride molecules and subjecting the resulting product to saponification by the aid of added alkali.

2,100,147
STEERING WHEEL
Hans Oehmen, Berlin-Schmargendorf, Germany
Application November 27, 1933, Serial No. 699,965
In Germany November 28, 1932
1 Claim. (Cl. 74—552)



A steering wheel for motor vehicles including a metallic rim of considerable transverse section and a wrapping consisting of a plurality of identically shaped parts having passages corresponding to said section through which said rim passes, said parts being composed of compressed artificial resin, each of said parts being a fractional part of a quadrant the end of said parts adapted to fit into each other on circumferences of different radii and a separable and adjustable locking means connecting the overlapping ends of said metallic core, said locking means consisting of a bolt with a screw adapted to cooperate with a thread in one of said overlapping ends and with a conical screw-head adapted to engage with a conical bore in the other of said overlapping ends.

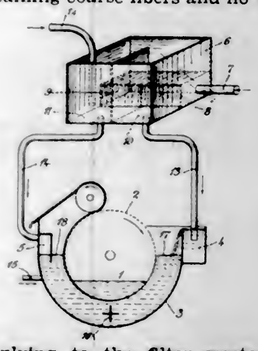
2,100,148
APPARATUS FOR PRODUCING IMAGES
Claire Parker, Paris, France
Application October 8, 1934, Serial No. 747,470
In Belgium July 12, 1934
7 Claims. (Cl. 40—28)



1. A device for the production of images which comprises, in combination, a screen provided with a plurality of openings distributed over its surface, said openings extending transversely to said surface and being spaced from each other to leave substantial screen surfaces therebetween, means for projecting onto said screen oblique light rays, and a plurality of elongated elements slidable in said openings so as to project more or less from said surface and to produce shadows on said surfaces between said openings, said shadows being of variable size and shape according to the respective position of said elements with respect to said surface.

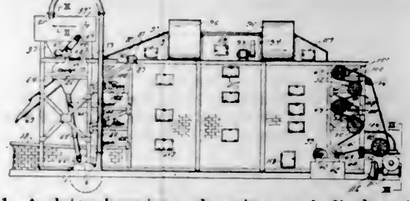
2,100,149
METHOD AND ARRANGEMENT FOR FILTERING WASTE WATER (BACK WATER) FROM PAPER, CELLULOSE, AND WOOD PULP FACTORIES, ETC.
Olaf Qviller, Oslo, Norway, assignor to A/S Thunes Mekaniske Værksted, Skörjen by Oslo, Norway
Application February 24, 1936, Serial No. 63,946
In Norway December 18, 1934
5 Claims. (Cl. 210—201)

1. Method of collecting fibers and finer particles from waste water by filtering through a cloth filter, said waste water being obtained from paper factories, cellulose factories, pulp factories etc., said method consisting in causing the formation of a filtering layer of coarse fibers on the cloth filter by supplying to said cloth filter a pulp containing coarse fibers and no waste water,



then supplying to the filter waste water admixed with coarse fibers, in order to filter the waste water through the said first layer of coarse fibers and thereby causing the said layer to collect additional fibers consisting of an even mixture of the fine fibers from the waste water and added coarse fibers, and then removing the resulting layer from the cloth.

2,100,150
DEHYDRATOR
Oliver W. Randolph, Toledo, Ohio
Application January 20, 1936, Serial No. 59,925
3 Claims. (Cl. 34—12)



1. A drier housing, charging and discharging openings in the housing, means for charging material through the charging opening, said means including an oscillating chute, spreading means including a continuous rake, superimposed conveyors for conveying the material from the charging opening to the discharging opening, agitators between the conveyors, drive means causing the rake and agitators each to be movable relatively to the housing and conveyors, sealing means providing a partition dividing the housing into a charging and spreading compartment, a drying compartment, and separate air supply means for each compartment independent of air re-circulation therebetween, said chute and rake being operable in said air-supplied spreading compartment.

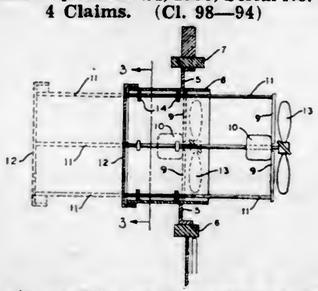
2,100,151
APPARATUS FOR PRODUCING ICE
Hans Tietz, Leverkusen-Wiesdorf, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application December 14, 1934, Serial No. 757,544
In Germany December 16, 1933
10 Claims. (Cl. 62—107)

2. In an apparatus for producing ice by partial evaporation of water in an evacuated chamber, the arrangement of a moving device upon the surface of which the water is exposed to the



vacuum until it is frozen and a device for withdrawing the ice formed from the vacuum chamber while sustaining the vacuum.

2,100,152
COMBINED CIRCULATING AND VENTILATING FAN ASSEMBLY
Malcolm P. Youker, Bartlesville, Okla.
Application September 24, 1936, Serial No. 102,336
4 Claims. (Cl. 98—94)



1. An air conditioning fan assembly comprising a conduit adapted to be inserted in a suitable opening in the wall of a room, placing the interior of said room in communication with the outside atmosphere, a motor-driven fan supported co-axially by said conduit and slidable longitudinally to a position within one end of the conduit, whereby when in operation said fan will draw fresh air into said room, said fan being slidable in the opposite direction out of the conduit to a position within the room, whereby it may serve as a circulating fan, and means for closing said conduit when the fan is in the latter position.

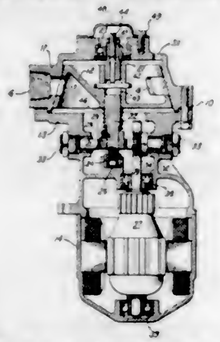
2,100,153
IRON SLEEPER
Carl Wallmann, Julius Grossweischede, and Bernhard Kruse, Mulheim Ruhr, Germany, assignors to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Original application January 28, 1932, Serial No. 589,466, now Patent No. 2,023,827. Divided and this application December 17, 1934, Serial No. 757,940. In Germany February 10, 1931
1 Claim. (Cl. 238—59)



A double width sleeper more particularly for joint connections of railroad track rails consisting of a body having a recess in the medial portion thereof dividing said body into two trough-shaped portions, each of said portions corresponding in width to the width of a normal sleeper, said recess being interrupted at the rail contact points of the sleeper to provide a contact

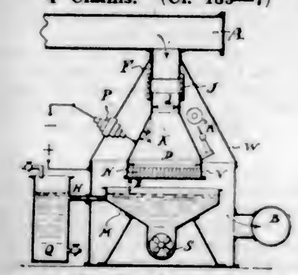
surface for the rails which extend across the entire width of the double sleeper, the portions of said sleeper at the rail contact surfaces having a greater thickness than the tops of the trough-shaped portions, and rail locating projections on said rail contact surfaces.

2,100,154
DISTRIBUTOR VALVE
Benjamin N. Ashton, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application November 30, 1934, Serial No. 755,503
5 Claims. (Cl. 251—107)



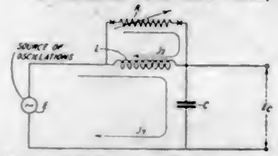
1. In a distributor the combination of a housing having inlet and outlet ports and a series of openings, a shaft rotatably mounted in the housing and having a shoulder coacting with the housing for restraining the shaft against axial movement, resilient means urging the shoulder against the housing, a rotor seated in said housing for periodically connecting the openings with the inlet and outlet ports, said rotor being driven by said shaft and slidably mounted thereon, said shaft extending through said rotor and being supported on opposite sides thereof, an adjustable stop threaded in the shaft for positively limiting movement of the rotor on the shaft and maintaining a constant clearance between the rotor and housing in all angular positions of the shaft, and a spring coacting between the shaft and the rotor for urging the rotor against the stop.

2,100,155
ELECTRICAL PURIFICATION OF GASES
Vojtěch Beran, Pribram, Czechoslovakia
Application December 19, 1935, Serial No. 55,281
In Czechoslovakia December 22, 1934
4 Claims. (Cl. 183—7)



1. Apparatus for the electrical removal of dust from gases, comprising electrodes arranged in horizontal parallel planes, the upper electrode being a glow discharge electrode, and the lower electrode being a liquid surface, and means for raising and lowering the surface level of the liquid relatively to the under surface of the glow discharge electrode.

2,100,156
PHASE MODULATION
Werner Buschbeck, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 21, 1936, Serial No. 60,141
In Germany February 19, 1935
3 Claims. (Cl. 179—171)



1. In a circuit for producing phase modulation of alternating voltages, a source of alternating voltages of constant frequency and amplitude, an alternating current circuit including a capacity and an inductance in series, and a resistance in parallel with said inductance, means for varying said resistance at the rhythm and rate of modulation potentials, the inductance and capacity of the said alternating current circuit being so chosen that they will approximately obey the formula

$$\omega^2 = \frac{2}{LC}$$

where ω is the angular velocity of the supplied alternating voltage, and means for applying voltages from said source to said circuit.

2,100,157
SWAB
Harry H. Chandler, New Ipswich, N. H.
Application July 9, 1937, Serial No. 152,717
3 Claims. (Cl. 128—269)

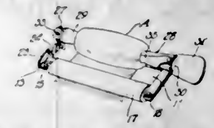


2. In a device of the character described, a receptacle for liquid, a plug having an opening in the upper end of said receptacle, a tube slidably mounted in said plug opening, said tube having an aperture near its bottom to be selectively opened and closed by said plug, and a pliable conductor in said tube terminating adjacent said aperture and extending beyond said tube.

2,100,158
HAIR WAVING APPARATUS
Platon Constantine, New York, N. Y.
Application March 31, 1936, Serial No. 71,832
4 Claims. (Cl. 132—33)

1. A hair clamping device for use in association with a hair curling rod including a relatively flat elongated base of heat resisting material, a

metal plate embedded in one end of said base and projecting therebeyond, an upstanding flange at the outer edge of said plate in spaced relation to the adjacent end of said base, and a curling rod anchor pin pivotally mounted between said



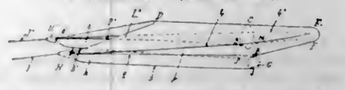
flange and adjacent end of said base for lateral swinging movement to an operative upstanding position to releasably receive one end of a curling rod, or to a collapsed out of the way position against said plate.

2,100,159
POROUS BUSHING FOR BEARINGS AND METHOD FOR MAKING SAME
Victor Curstädt, Berlin, Germany, assignor of one-fourth to Georg H. Hirsch, New York
Application May 21, 1936, Serial No. 80,962
In Germany November 23, 1934
6 Claims. (Cl. 29—149.5)



5. A method of making a self-lubricating bushing which consists in spooling a wire crosswise on a mandrel until a hollow cylinder of sufficient wall thickness is formed, subjecting said cylinder to heat and pressure to bond the wire at its crossings and to bring the cylinder into the desired shape of the bushing without destroying the interstices of the wire spool and the regularity of the wire crossings, and filling the interstices with a lubricant.

2,100,160
FISHING NET
Oscar Dahl and William Forsyth Black, La Rochelle, France, assignors to V. D. Limited, London, England
Application June 15, 1936, Serial No. 85,316
In France June 26, 1935
6 Claims. (Cl. 43—9)

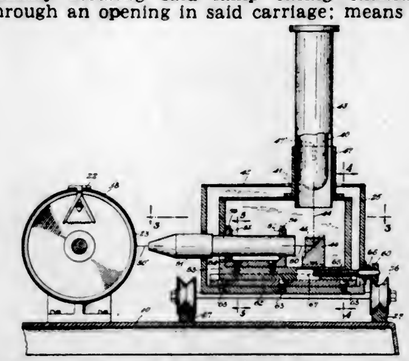


1. An upwardly swelling net comprising a covering sheet, a head rope along the front edge of said covering sheet, a rear pocket connected to said covering sheet and having its front edge at a considerable distance to the rear of said head rope, the top sheet of said rear pocket being positioned to operate substantially at the level of the apex of said head rope, and means below said rear pocket for keeping the whole bottom sheet of said rear pocket above the sea bottom and for preventing the escape of the fish under the mouth of said rear pocket.

2,100,161
TELEPICTURE TRANSLATING MECHANISM
William G. H. Finch, New York, N. Y.
Original application February 26, 1936, Serial No. 65,869, now Patent No. 2,047,863, dated July 14, 1937. Divided and this application June 1, 1936, Serial No. 82,713
5 Claims. (Cl. 178—7.4)

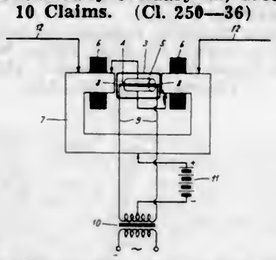
1. In a telepicture receiver having a movable

carriage and a signal lamp for generating a light beam in accordance with received electrical signals, a tubular casing for holding said lamp in an inverted position; an optical box within said carriage, a sleeve extending from said box for slidably securing said lamp casing extending through an opening in said carriage; means for



deflecting said light beam mounted within said optical box; a lens system for focusing said deflected beam, adjustably mounted in said box and projecting through openings in said box and said carriage; and means for adjusting the position of the optical box and signal lamp with respect to said carriage.

2,100,162
MAGNETRON DISCHARGE TUBE APPARATUS
Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 25, 1936, Serial No. 60,785
In Germany January 22, 1935
10 Claims. (Cl. 250—36)



1. An oscillation generator of the magnetron type comprising a magnetron discharge tube, an energy source for producing an electron discharge across the electrodes of said tube, means for producing a magnetic field in the discharge zone and a resonant circuit tunable to the oscillation frequency of said generator, said resonant circuit including the magnetic core of said field-producing means.

2,100,163
GIRDLE
Martin Goodman, New York, N. Y., assignor to The Neatform Co. Inc., New York, N. Y., a corporation of New York
Application May 8, 1936, Serial No. 78,530
17 Claims. (Cl. 2—37)

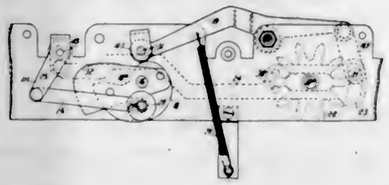
1. A garment comprising a knit yieldable foundation garment, a panel attached to the

garment at a point to be stayed, said panel being so secured to the garment that it is loose when the garment is in unstretched condition, thereby affording free yielding of the elastic material when the garment is stretched, until the slack in the panel is taken up, stays or bones stitched in



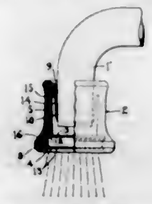
place in said panel or support, garters depending from the lower edge of the garment, and elastic tapes extending from the lower corners of the panel or support to the bottom edge of the garment, the lower ends of said elastic tapes being connected to the garment substantially at the points of connection of the garters.

2,100,164
REGISTERING AND DISPLAYING APPARATUS PARTICULARLY APPLICABLE TO TOTALIZATORS
John Handley, London, England
Application August 29, 1936, Serial No. 98,520
In Great Britain January 3, 1935
2 Claims. (Cl. 235—134)



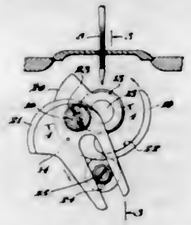
1. A mechanism for transferring stepwise impulses from a register disc of lower order to one of higher order, which comprises a cam rotated by said register disc of lower order, a toothed wheel capable of rotating said register disc of a higher order, a spring-pressed lever actuated by said cam and linked to a pin engageable with the toothed wheel, a reciprocating guide link, said pin being also under the control of said reciprocating guide link, means for actuating said reciprocating guide link concurrently with the cam, the conjoint effect of the spring-pressed lever and the reciprocating guide link being such as to impart a stepwise rotation to said toothed wheel to rotate the register disc of higher order when the register disc of lower order has been rotated a predetermined amount.

2,100,165
FAUCET SPRAY AND STRAINER NOZZLE
August W. Holmberg, Brooklyn, and Centre W. Holmberg, New Rochelle, N. Y.
Application May 5, 1936, Serial No. 77,958
7 Claims. (Cl. 299—141)



2. In a device of the character described, a nozzle body having a gripping surface at the inlet end for engagement with a faucet or the like, a shoulder formed at the outlet end of the bore of said body, and a bead at the outlet end attached to the body part by a relatively thin elastic wall at the outer periphery of the body, said bead and shoulder forming a retaining groove for a strainer, and said thin wall permitting rolling of the bead back over the body part to permit insertion or removal of the strainer.

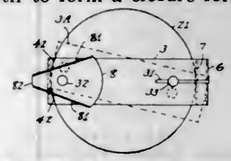
2,100,166
SEWING MACHINE
Richard William Johnson, Charles Lester Loverch, and Max Zaum, Brooklyn, N. Y., assignors to Fine Art Novelty Corporation, New York, N. Y., a corporation of New York
Application March 1, 1937, Serial No. 128,360
4 Claims. (Cl. 112—79)



1. In a sewing machine, the combination with a reciprocating needle and a loop-taker actuating shaft, of yarn shearing mechanism rotatable by said shaft, said mechanism comprising a loop-taker having a shearing surface and a fork-shaped knife eccentrically mounted on and movable with said loop-taker, relatively stationary means between the tines of said forked-knife for guiding the movement of said knife, said knife and said shearing surface of said loop-taker cooperating to cut yarn carried by said needle at a predetermined position of said loop-taker.

2,100,167
DETACHABLE CLOSURE AND SPOUT FOR CONTAINERS
Robert H. Lehew, Highland Park, Mich.
Application April 8, 1936, Serial No. 73,245
3 Claims. (Cl. 221—23)

1. The combination, with a container having in its cover a pair of diametrically opposed openings, of a flat resilient strip of metal adapted to engage the periphery of said container, said strip having a pair of openings adapted to coincide with said first-mentioned openings and being of sufficient width to form a closure for said first-



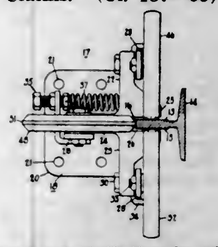
mentioned openings when said strip is rotated about the axis of said container.

2,100,168
BARREL OR DRUM FLANGE UNIT
Earle Gordon Melrath, Philadelphia, Pa., assignor to Melrath Supply & Gasket Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application March 12, 1936, Serial No. 68,366
4 Claims. (Cl. 285—49)



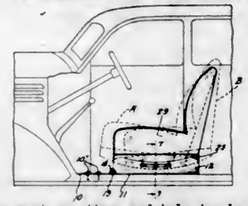
2. In a device of the kind described, a wall having a bung hole therein defined by an inwardly projecting annular lip, a sput including a body and neck, a grooved ring forced onto said neck and against the underside of the body, said sput neck projecting into the bung hole, a gasket positioned between the upper portions of the lip and neck and seated in the groove and means for securing said sput in said bung hole.

2,100,169
ELEVATOR ROLLER GUIDE SHOE
Clifford Norton, South Orange, N. J., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application September 10, 1935, Serial No. 39,906
2 Claims. (Cl. 187—95)



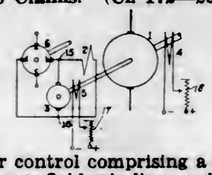
1. In an elevator installation in which a guide rail having a flat guide surface on its face and on each of its two sides is provided for a body movable in the elevator hatchway and in which a plurality of guide rollers, one roller for each of said guiding surfaces, is carried by said body, each roller being yieldably maintained in continuous rolling engagement with the guide rail to guide said body in its movement in the hatchway, the construction of said rollers wherein each of them comprises a wheel having a metal rim and a rubber tire vulcanized to said rim, the tires of the rollers for the side guiding surfaces of said rail each having a curved tread and the tire of the roller for the face guiding surface of said rail having a flat tread of a width less than the width of said face guiding surface, and the rubber of each tire being of a composition and hardness such that the tire resumes its normal shape after being subjected to pressure at the same point over an extended period of time.

2,100,170
ADJUSTABLE SEAT
Walter A. Parks, Milwaukee, Wis.
Application October 4, 1935, Serial No. 43,549
3 Claims. (Cl. 155—14)



1. In an automotive vehicle including a steering wheel at a driver's position, a seat construction at said position comprising a seat and back rest rigidly joined and bodily movable together as a seat unit, a base unit on which said seat unit is shiftably carried, and means connecting said seat unit to said base unit for limited adjustable arcuate movement of said seat unit about a center in the vicinity of said steering wheel, including an arcuate track extending longitudinally of the vehicle and connected to one of said units and an element on said track connected to the other unit, said track and element being relatively movable so that said seat unit may be bodily shifted on said base unit to adjust it to different positions with respect to said wheel.

2,100,171
ELECTRICAL MACHINE INSERTED IN A SERIES NETWORK AND OPERATING AT AN ADJUSTABLE CONSTANT SPEED
Joseph Maximus Pestarini, Grant City, Staten Island, N. Y.
Application October 14, 1935, Serial No. 44,990
In France January 22, 1934
6 Claims. (Cl. 172—239)

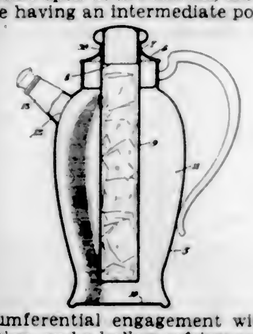


1. A motor control comprising a direct current motor having a field winding and an armature supplied with constant current and adapted to operate at a practically constant speed showing slight discrepancies from the no load speed even when the torque varies from full accelerating torque to full braking torque, a first auxiliary source of E. M. F. varying with the speed of the motor and connected to the said field winding to form a closed circuit, a second auxiliary source of constant current connected to the said closed circuit at two points for supplying to the field winding of the motor a current automatically varying with the variation of the E. M. F. of the first auxiliary source and means for controlling the E. M. F. developed by the first auxiliary source and so controlling the no load speed value of the motor.

2,100,172
COCKTAIL SHAKER
Jean M. Riegel, New York, N. Y.
Application February 12, 1936, Serial No. 63,488
2 Claims. (Cl. 220—1)

1. A cocktail shaker or the like comprising a main vessel, a closure cap therefor having an an-

nular recessed portion in the lateral wall thereof and a downwardly extending tube therein sealed at the top and open at the bottom, the lateral wall of the tube having an intermediate portion there-



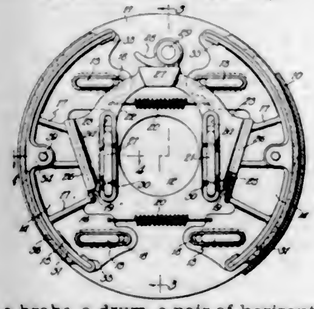
of in circumferential engagement with said recessed portion, and a hollow refrigerant container with an open-ended top portion in detachable engagement with said tube.

2,100,173
CLOSURE DEVICE
Harry Ernest Rubens, New York, N. Y.
Application February 23, 1935, Serial No. 7,730
1 Claim. (Cl. 132—80)



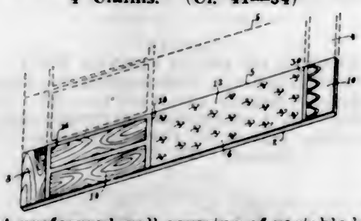
In a collapsible tube for containing a paste-like composition having a neck; a closure cap thereon and having a closed head and a cylindrical wall section extending therefrom; a dispensable article partially contained within said cylindrical wall section and extending beyond for dispensing purposes, whereby when said article is being dispensed, the tube may serve as a handle for supporting the same.

2,100,174
BRAKE
Peter Ruffino, Brooklyn, N. Y.
Application March 22, 1935, Serial No. 12,345
6 Claims. (Cl. 188—78)



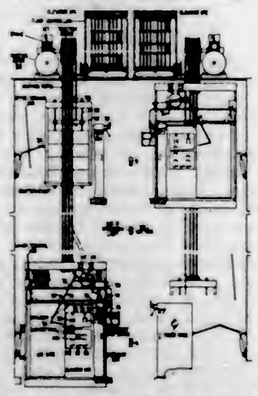
1. In a brake, a drum, a pair of horizontally opposed shoes slidably mounted relative to said drum, a vertically slidable yoke shaped wedge member intermediate said shoes, coacting wedge surfaces between the ends of said member and the inner mid portions of the respective shoes, spring means acting upon said shoes to move the same toward each other to retracted position, and actuating means engageable with the top of said yoke shaped member for sliding said member to cause the coacting wedge surfaces to expand said shoes against the tension of said spring means into braking engagement with said drum.

2,100,175
WALL COVERING
John Tomec, Trenton, N. J.
Application June 1, 1935, Serial No. 24,472
4 Claims. (Cl. 41—34)



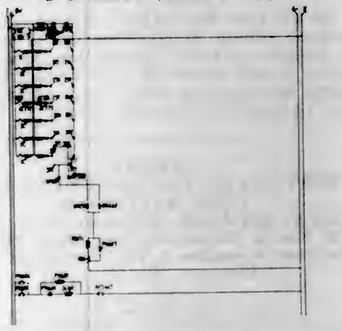
1. A preformed wall covering of variable length adapted to be applied to the walls of rooms of different height comprising a unit of greater length than width embodying a base member and having water resistant decorative material applied to adjacent areas of said base member in individually complete designs arranged in a predetermined relation lengthwise of the unit with the edges of the designs extending transversely of said unit, the decorative material applied to each of said areas simulating a conventional type of wall covering and the designs on adjacent areas simulating wall coverings of different types, said unit being severable along the edges of said areas to remove a part or all of an area without impairing the design on the remainder of said areas whereby wall covering shorter in length than said unit but containing each of said designs may be produced from said unit.

2,100,176
ELEVATOR CONTROL SYSTEM
Harold Waters, Hohokus, and Arthur Willard Paulson, Tenafly, N. J., and Mathew Troster, Jr., New York, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1936, Serial No. 61,762
79 Claims. (Cl. 187—29)



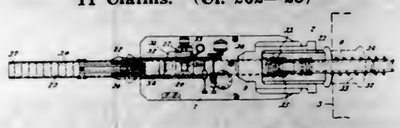
1. An elevator system comprising; a plurality of elevator cars; a plurality of landings served by the cars; call registering means for each of said landings; means for causing one of said cars to respond to the calls that are registered, so long as it is the only car in operation; and means for causing a second car to start in operation in response to a subsequently registered call to assist said one car in answering calls, provided such subsequent call is behind said one car.

2,100,177
ELEVATOR SYSTEM
Harold Waters, Hohokus, and Arthur Willard Paulson, Tenafly, N. J., and Mathew Troster, Jr., New York, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Original application January 31, 1936, Serial No. 61,762. Divided and this application October 30, 1936, Serial No. 108,380
4 Claims. (Cl. 187—29)



1. In combination; an elevator car movable in a hatchway to serve a plurality of landings; a plurality of circuit controlling means, one for each of said landings; means common to said circuit controlling means and adapted upon movement with respect thereto to cooperate therewith individually in succession; means for causing movement of said common means with respect to said circuit controlling means in accordance with movement of the car; means operable to slow down the car; and means responsive to the movement of said common means out of cooperative relationship with said circuit controlling means for a landing for causing operation of said slow down means to slow down the car at the landing for which such circuit controlling means is provided.

2,100,178
COAL MINING MACHINE
Jerome C. White, Pittsburgh, Pa., assignor to Pittsburgh Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 11, 1936, Serial No. 79,022
11 Claims. (Cl. 262—28)

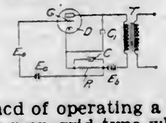


1. A coal mining machine comprising cutting means, a mechanical conveying device for receiving and conveying the cuttings from the cutting means, and means for confining and withdrawing dust originally carried into the conveying device along with the cuttings.

2,100,179
METHOD OF COATING METAL ARTICLES WITH ZINC
Allan Heathcote Williams, Chester, England
No Drawing. Application March 16, 1937, Serial No. 131,183. In Great Britain August 9, 1935
1 Claim. (Cl. 91—20.2)

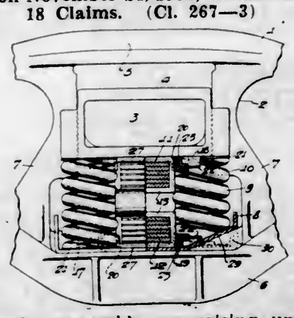
A method of coating metal articles and more particularly window frames with zinc carried out in a bath comprising a thin layer of molten zinc floating on a body of molten lead, which method comprises heating the molten lead to a temperature of about 550° to 570° C., passing the article to be coated completely through the thin layer of molten zinc into the molten lead, leaving the article in the molten lead for a sufficient length of time to heat it to about 490° C., and finally withdrawing the heated article through the thin layer of molten zinc.

2,100,180
ELECTRICAL COMMUNICATION CIRCUIT
Stuart Ballantine, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 17, 1929, Serial No. 414,797
21 Claims. (Cl. 250—27)



1. The method of operating a vacuum tube detector of the screen grid type which includes the step of adjusting the polarizing potentials to effect linear detection for a limited range of input voltages, amplifying received signals to bring the detector input voltages to a value not less than those falling within said limited range, and extending the range of input voltages for which linear detection obtains by applying to one element of the tube a bias voltage derived from the rectified current in both the screen grid and anode circuits of the detector.

2,100,181
RAILWAY TRUCK
Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application November 24, 1934, Serial No. 754,659
18 Claims. (Cl. 267—3)



1. A spring assembly comprising upper and lower plates, helical springs and leaf springs disposed between said plates and arranged to operate in parallel under an applied load, said leaf springs being held together by band means, the

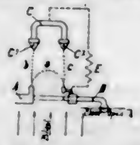
load carrying surfaces of said helical springs contacting the adjacent surfaces of said plates, said plates comprising a relatively thick portion adapted to provide a seat for the leaf springs and receive and position said band means, and a relatively thin portion rigidly connected thereto and provided with means for centering said helical springs.

2,100,182

COMPRESSED FLUID CIRCUIT BREAKER WITH MULTIPLE BREAKS

André Clerc, Villeurbanne, France, assignor to Ateliers de Constructions Electriques de Delle, Paris, France

Application November 16, 1934, Serial No. 753,341
In Germany December 18, 1933
11 Claims. (Cl. 200—148)



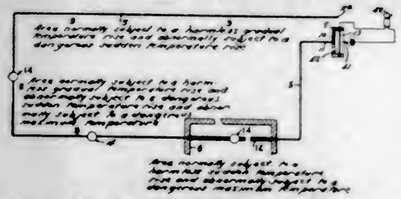
1. A circuit-breaker comprising, in combination, two contacts relatively movable to produce an arc at break; two fixed, electrically interconnected auxiliary electrodes spaced laterally from each other in the plane of movement of said contacts, and having their free ends directed toward the latter; and means to project a blast of extinguishing fluid past said relatively movable contacts toward said fixed auxiliary electrodes and transversely to the path of movement of said contacts, to project the arc extending between said relatively movable contacts into contact with said fixed auxiliary electrodes, thereby to divide said arc into two separate arcs, each extending parallel to the direction of said blast between one of said relatively movable contacts and one of said auxiliary electrodes, said separate arcs being thus readily extinguished by said blast.

2,100,183

METHOD AND APPARATUS FOR INITIATING TEMPERATURE RISE ALARMS

Frank M. Cowan, Plainfield, N. J., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey

Application February 24, 1932, Serial No. 594,875
15 Claims. (Cl. 177—355)



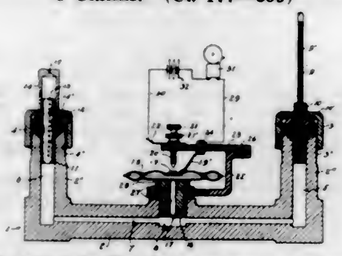
1. In a fire-detector-tube system operative by sudden increase in interior tube-pressure, and inoperative for gradual increase and including a tube for installation adjacent to an area normally subject to harmless sudden temperature rise, and abnormally subject to a dangerous maximum, heat insulation around the tube in said area to prevent response by the system to said sudden rise; and means in said area, operative by said dangerous maximum for suddenly increasing the pressure in the tube when said dangerous maximum is reached.

2,100,184

BREATHER FOR TEMPERATURE RISE ALARM SYSTEMS

Frank M. Cowan, Plainfield, N. J., assignor to American District Telegraph Company, New York, N. Y., a corporation of New Jersey

Application May 24, 1933, Serial No. 672,537
8 Claims. (Cl. 177—355)



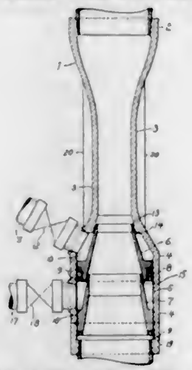
1. An air tube fire detector system comprising a detector, tubing, a rigid breather of dense porous mineral material, means for securing the breather to said system so that air may be interchanged between the inside and outside of the tubing through the breather.

2,100,185

APPARATUS FOR THE MOVEMENT OF VISCOUS MATERIALS

Gunnar C. Engstrand, Matawan, N. J., assignor to Simon Marmorek, New York, N. Y.

Application November 6, 1936, Serial No. 109,465
2 Claims. (Cl. 103—267)



1. A steam jet pump comprising, in combination, a narrow throat piece, an inner annular steam jet nozzle discharging therethrough, a restricted passage through said nozzle, an outer annular steam jet nozzle discharging through the passage of the inner steam jet nozzle, a passage through the outer nozzle, the outer nozzle passage having a substantial larger cross section than the passage of the inner one.

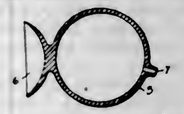
2,100,186

TUB SHOWER

Charles H. Hagopian, New York, N. Y.

Application July 17, 1935, Serial No. 31,762
7 Claims. (Cl. 4—150)

1. In a bath shower, a manifold secured to the faucet of the bath tub, spray tubes secured to said manifold and secured to the inner surface of the bath tub having nozzles adapted to direct jets of water inwardly and downwardly from the upper edge of the bath tub, and suction cups securing said spray tubes to



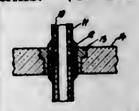
and around the upper inner surface of said bath tub.

2,100,187

ENTRANCE INSULATION FOR ELECTRICAL CONDUCTORS

Hans Handrek, Bad Klosterlausnitz, Germany, assignor to Porzellanfabrik Kahla, Kahla, Germany

Application February 4, 1935, Serial No. 4,858
In Germany December 27, 1933
9 Claims. (Cl. 173—311)



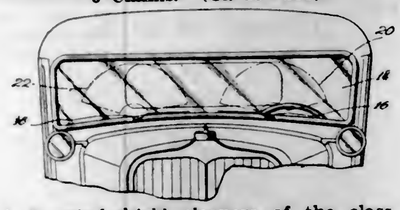
1. The combination comprising an insulating element having an aperture, a carrier of ceramic insulating material passing therethrough, a conductive film on said carrier constituting a conductor for electrical energy passing through said element, and projecting therefrom at both sides thereof to form electrical contact terminals, and a flux filling the space between said carrier and said insulating element.

2,100,188

WINDSHIELD CLEANER

Elwood Hansmann, Glencoe, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application October 17, 1934, Serial No. 748,628
6 Claims. (Cl. 15—255)



1. In wind-shield cleaners of the class described, the combination of a plurality of wiper blades, common driving means therefor, a separable detachable connection connecting each blade with said driving means, respectively, a handle having parts positioned to be movable thereby into engagement with the parts of said connections secured to the wiper blades respectively, for detaching both of said detachable connections and simultaneously moving said blades to parked position.

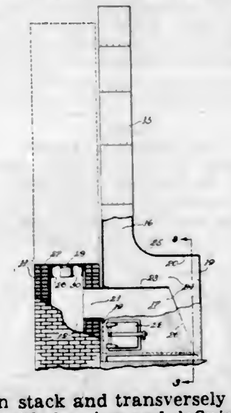
2,100,189

GAS SEPARATOR FOR INCINERATORS

George J. Irsch, Harvey, Ill., assignor of one-half to William B. Stephenson, Chicago, Ill.

Application September 8, 1932, Serial No. 632,151
12 Claims. (Cl. 110—18)

1. In an incinerator, in combination with a vertical main stack, means closing the upper end of said stack, a vertical auxiliary stack communicating laterally with one side of the upper end of said main stack, said auxiliary stack having a base constituting a separating chamber, a flat substantially horizontal baffle wall in said separating chamber extending laterally with respect



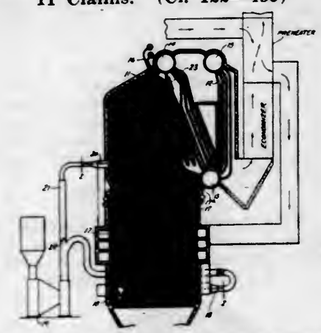
to said main stack and transversely from side to side within said chamber and defining a tortuous lateral and upward passage for the flue gases between said stacks, and a screen extending across said passage.

2,100,190

METHOD OF CONTROLLING SUPERHEAT TEMPERATURE

George P. Jackson, Flushing, N. Y., assignor to Combustion Engineering Company, Inc., New York, N. Y.

Application March 2, 1937, Serial No. 128,571
11 Claims. (Cl. 122—459)



1. The method of maintaining substantially constant superheated steam temperature in a boiler provided with a convection type superheater which comprises; burning at least the greater portion of the amount of fuel required to produce a quantity of gases at a temperature adequate to generate and superheat to a predetermined temperature the amount of steam required at a determined boiler load; imparting heat from the burning fuel to generating elements for generating part of the amount of steam required; separately burning any additional fuel required and mingling the hot gases therefrom with the gases that have been partially cooled by the extraction of heat therefrom; passing the mingled gases over other generating and the superheating elements to generate the remainder of the total amount of steam required and to superheat the latter to said predetermined tempera-

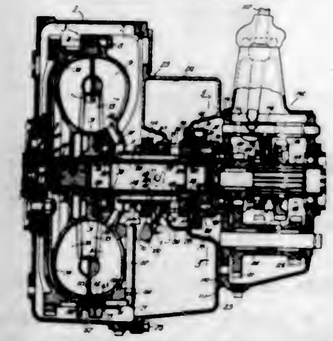
ture; and, as the steam demand falls, decreasing the amount of fuel burned to provide gases from which heat is extracted before passing over said other generating and said superheating elements while substantially proportionately increasing the amount of fuel burned to produce gases passed directly over said other generating and superheating elements for maintaining the gases passing over the latter heated to a temperature adequate to maintain said predetermined superheated steam temperature at low boiler loads.

2,100,191

HYDRAULIC DRIVE

Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application August 2, 1934, Serial No. 738,091
16 Claims. (Cl. 60—54)



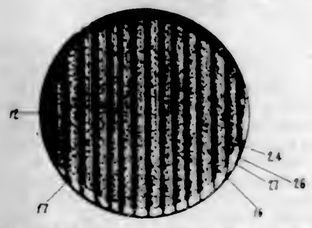
1. In a hydraulic drive, a stationary housing, torque transmitting means including a rotatable casing having driving and driven elements therein, a shaft journaled in said housing and carrying said driven elements, a liquid sump carried by said housing spaced axially of said shaft from said torque transmitting means, a stationary sleeve surrounding said shaft and extending from said sump to the interior of said rotatable casing, and valve means disposed between said sump and the interior of said sleeve for controlling the flow of liquid from said sump through said sleeve into said rotatable casing.

2,100,192

TRAY FOR CANARY CAGES

Joseph P. Leindorf, Pelham Manor, N. Y.

Application November 1, 1935, Serial No. 47,751
3 Claims. (Cl. 119—17)



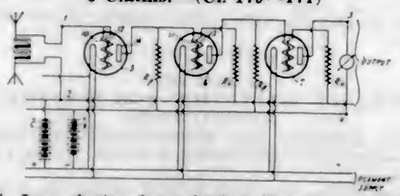
1. In a bird cage, a removable tray for the cage bottom, comprising a dish having a raised border bounding the whole exterior, said dish having a plurality of upstanding projections on its bottom, each of a size to be grasped by a bird's foot, the upper portions of the projections being smooth, and the lower portions of the projections and the spaces between the projections being rough.

2,100,193

LINEAR AMPLIFIER WITH EXTRA WIDE BAND PASS CHARACTERISTICS

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application November 21, 1934, Serial No. 754,038
6 Claims. (Cl. 179—171)



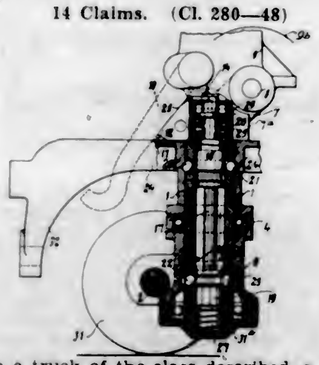
1. In a device for relaying direct current potentials and alternating current potentials, a thermionic tube having an anode, cathode and control grid, and an auxiliary gridlike electrode of substantially the same size as said control grid mounted adjacent said control grid, a circuit connected between the control grid and cathode of said tube, said circuit including a source of potential which maintains said control grid positive relative to said cathode, means for applying the potentials to be amplified to said circuit, an output circuit connected between the anode and cathode of said tube, said output circuit including a source of direct current potential to maintain said anode positive relative to said cathode, and a source of potential connected between said auxiliary grid and the cathode of said tube to maintain said auxiliary grid negative relative to said cathode to compensate the effect of the positive potential on said control grid on the tube operation.

2,100,194

LIFTING-TRUCK

Jakob Loef, Moosburg, Germany

Application June 6, 1931, Serial No. 542,683. Renewed May 25, 1935. In Germany June 10, 1930
14 Claims. (Cl. 280—48)



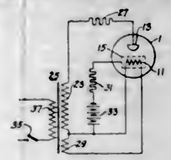
1. In a truck of the class described, a steering head, a king pin in said head, a steering assembly including a pivoted steering lever adapted to impart steering movement to said king pin, said lever being movable from a vertical position to a substantially horizontal position relatively to said steering head, a wheel assembly mounted for rotation on the axis of said king pin and relatively to or in locked relation to said steering assembly, and means actuated by said lever when in an upright position to release said wheel assembly for free rotation relatively to said steering assembly.

2,100,195

ELECTRIC DISCHARGE APPARATUS

Erwin F. Lowry, Forest Hills, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 3, 1935, Serial No. 43,347
6 Claims. (Cl. 250—27)



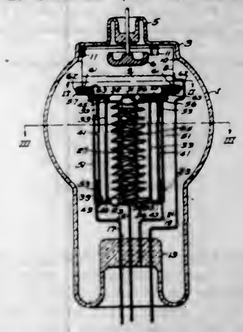
1. In combination an elctrode that is to be heated to emit electrons, means for heating said electrode, an electrode for collecting the electrons emitted by said first-named electrode, a member disposed adjacent to said emissive electrode in the path of the heating energy emitted by said emissive electrode, said member being capable of emitting electrons when it is heated from said first-mentioned electrode, means for impressing a difference of potential between said electron collecting electrode and said emissive electrode, connecting means establishing a normal potential relationship between said member and said emissive electrode whereby when said member is below a predetermined temperature it operates as a blocking electrode to block the passage of current between said emissive electrode and said collecting electrode and when it is heated to a temperature above said predetermined value its blocking effect is suppressed and electrons pass between said emissive electrode and said collecting electrode.

2,100,196

ELECTRON DISCHARGE DEVICE

Erwin F. Lowry, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1936, Serial No. 57,536
15 Claims. (Cl. 250—27.5)



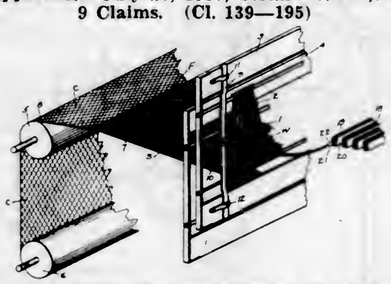
15. In an electron discharge device, a cathode structure including a plurality of concentric shields, a source of electrons within the innermost shield, an electrostatic guard within said shields and surrounding said source, said guard permitting electrons from said source to emerge only into the space between it and the shield, an anode spaced from the cathode structure in the direction of the length of said shields, a grid between said anode and said cathode structure and transverse of said direction, and means for supporting said grid from said shields including an annular body of insulating material contacting both grid and shields.

2,100,197

SELVAGE FORMING DEVICE

George H. McRae, Thomaston, Ga., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application July 27, 1937, Serial No. 155,881
9 Claims. (Cl. 139—195)



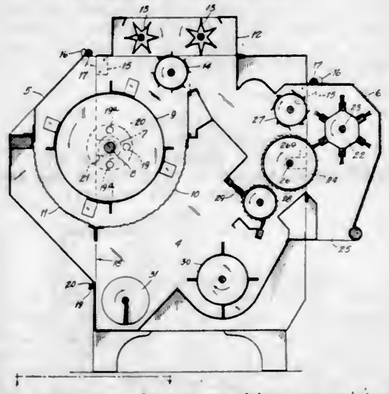
1. In a loom, the combination of vertically moving harness frames, a selvage wire extending forwardly from said harness frames to a point in the cloth selvage in front of the fell, the forward end of said wire being free, and means connecting the rearward end of said wire to one of said harness frames for vertical movement therewith, said means including a spring constructed and arranged to yield and thereby shift said wire longitudinally of the selvage as the weaving progresses.

2,100,198

EXTRACTOR-CLEANER MACHINE

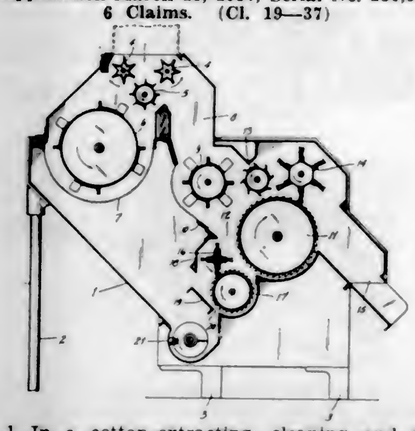
John E. Mitchell, Dallas, Tex.

Application January 8, 1936, Serial No. 58,079
5 Claims. (Cl. 19—37)



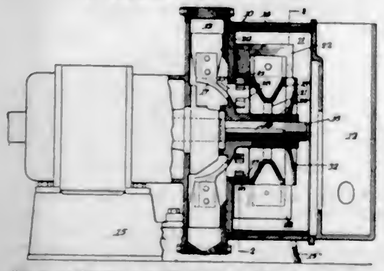
4. An extractor-cleaner machine comprising a central vertical casing section having a preparatory cleaning cylinder and an extractor cylinder mounted therein at its opposite sides and projecting through openings in the front and rear walls of said casing section, front and rear detachable casing sections normally closing said openings and inclosing the projecting portions of said cylinders, a doffing cylinder for said extractor cylinder mounted in and carried by the front casing section, the latter being constructed to receive the cotton removed by the doffer from the extractor cylinder and to discharge same from the machine.

2,100,199
EXTRACTOR-CLEANER RECLAIMING MACHINE
John E. Mitchell, Dallas, Tex.
Application March 13, 1937, Serial No. 130,619
6 Claims. (Cl. 19—37)



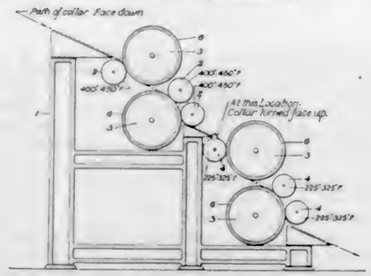
1. In a cotton-extracting, cleaning and reclaiming machine, in combination with an extracting cylinder and means for delivering a stream of mixed cotton and hulls to the up-going side thereof, which latter provides one side of an opening for the escape past the cylinder of hulls and trash, and of small-lock cotton not engaged by the teeth of the cylinder, a directing cylinder located beneath said opening and rotating in the opposite direction to the extracting cylinder, a reclaiming cylinder located below and in doffing relation to the directing cylinder and adapted to receive on its up-going side from said directing cylinder the products escaping through said opening and to have reclaimed cotton locks doffed therefrom by the directing cylinder and returned to the rising side of the extracting cylinder, and means for permitting the escape of hulls and trash from the reclaiming cylinder.

2,100,200
GRINDING MILL
Alfred J. Mosley, Aurora, Ill.
Application August 9, 1933, Serial No. 684,370
3 Claims. (Cl. 83—11)



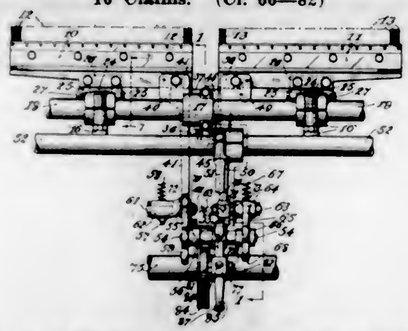
3. In a reducing mill, in combination, a casing inclosing a reducing chamber and a suction fan chamber, the two chambers being separated by a wall having an aperture forming the eye of the fan assembly and an annular series of ports surrounding the eye, a shaft projecting from the outer wall of the fan chamber through the named aperture, a fan and a beater wheel mounted on the shaft, the wheel being tubular and having an imperforate rim making substantial contact with the eye of the fan assembly, a diaphragm facing the opposite end of the wheel chamber and spaced from the wheel rim to provide an annular air admission passage, and a damper for controlling the named ports.

2,100,201
PROCESS FOR MANUFACTURING WEARING APPAREL AND PRODUCT THEREOF
Charles C. Quenelle, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 24, 1935, Serial No. 46,473
7 Claims. (Cl. 154—2)



1. The process of making three-ply, semi-stiff collars which comprises coating an interliner on one side only with a thermoplastic adhesive, providing the same with a face and back ply, and applying sufficient heat and pressure to cause the said adhesive to migrate through the interliner and adhere to the ply on its opposite side.

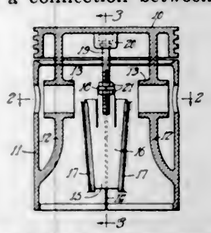
2,100,202
FULL FASHIONED HOSIERY KNITTING MACHINE
Gottfried Scherle, Bloomfield, N. J.
Application August 19, 1936, Serial No. 96,734
10 Claims. (Cl. 66—82)



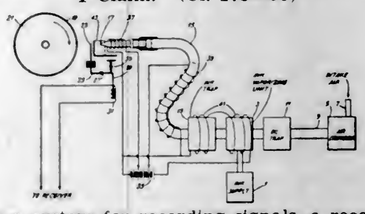
1. In a knitting machine, in combination, a pair of needle bars having adjacent opposed ends, and a series of needle bar arms hingedly connected to said needle bars, one of said arms being hingedly connected to the opposed end portions of both of said needle bars.

2,100,203
PISTON
Walter Leonard Schoengarth, Ironwood, Mich., assignor to Benjamin G. Harmon, Chicago, Ill.
Application August 10, 1935, Serial No. 35,643
5 Claims. (Cl. 309—9)

1. A piston of the character described including a head portion and a circumferentially expandible and contractible skirt portion, slidable means for expanding or contracting said skirt portion and a connection between said slidable means and said head portion having a different coefficient of expansion than the material composing said head and skirt portions.

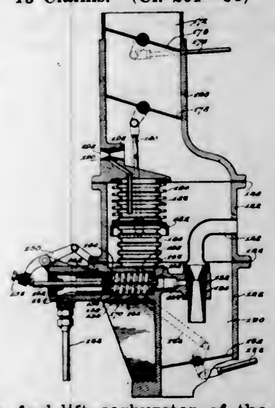


2,100,204
FACSIMILE SYSTEM
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 3, 1933, Serial No. 674,147
1 Claim. (Cl. 178—96)



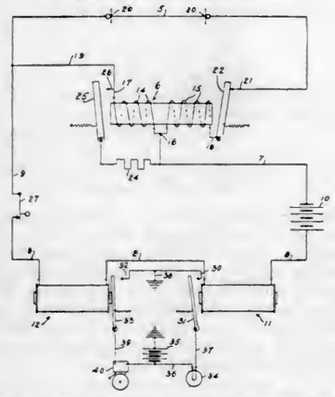
In a system for recording signals, a recording fluid supply, means for vaporizing the recording fluid, means for maintaining the vaporized fluid in a heated state, means for continuously projecting constant amounts of the vaporized fluid toward a recording surface, and an electromagnetic shutter for controlling the amount of vaporized fluid reaching the surface upon which recordings are to be made in accordance with the representations desired upon the recording surface.

2,100,205
CARBURETOR
Carl W. Spohr, Chicago, Ill.
Application June 24, 1936, Serial No. 86,967
13 Claims. (Cl. 261—34)



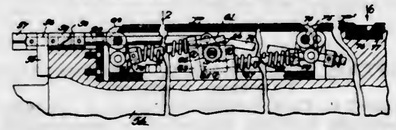
13. In a fuel-lift carburetor of the class described, the combination of a nozzle, means connecting said nozzle with a source of fuel supply having a variable head with respect to said nozzle, a mixing chamber into which said nozzle discharges, means for supplying secondary air to said mixing chamber, a valve regulating the supply of secondary air to said mixing chamber, and a control for said valve responsive to variations in head between said nozzle and its source of fuel supply.

2,100,206
DIFFERENTIALLY OPERATED DETECTION CIRCUIT
John J. Stephens, Brooklyn, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Application August 4, 1934, Serial No. 738,481
7 Claims. (Cl. 177—311)



7. An alarm system comprising a balancing control relay; an energized series circuit including a loop, an indicating circuit portion having signal means associated therewith; said relay having a winding disposed in the loop, there being a normally closed armature switch cooperating with the winding; a second relay winding in shunt to the loop; said loop having therein means for producing impedance responsive to a sound of a predetermined value, whereby when such sound occurs the varied resistance may cause the current to flow through the shunt winding and said portion so as to initiate a signal in the first mentioned means.

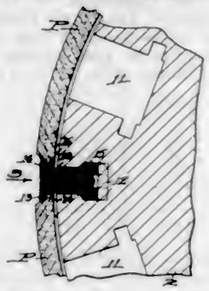
2,100,207
PRINTING PLATE CYLINDER
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Original application May 5, 1931, Serial No. 535,165. Divided and this application June 29, 1932, Serial No. 619,887. Renewed May 4, 1937
6 Claims. (Cl. 101—378)



1. The combination with a printing plate cylinder, of oscillatable clamps for the printing plates, a rod carried by the cylinder, a shaft, said rod and shaft having cooperating cam surfaces on their adjacent ends, whereby the turning of

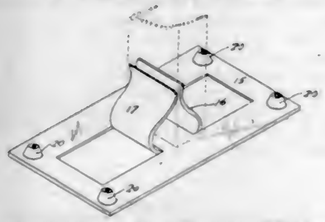
the shaft will move the rod longitudinally, and means connected to said rod for swinging said clamps into and out of clamping position according to the direction in which the rod is moved.

2,100,208
MARGIN BAR FOR PRINTING CYLINDERS
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 21, 1934, Serial No. 716,560
Renewed May 4, 1937
6 Claims. (Cl. 101—378)



1. The combination with a printing plate cylinder having a longitudinal groove, of a pair of margin bars located in said groove and projecting beyond the surface of the cylinder, each margin bar having a projection for engaging the ledge of a printing plate, said margin bars being movable circumferentially to properly hold down the ledges of two plates on the cylinder located on opposite sides of the two margin bars.

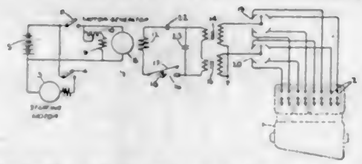
2,100,209
STUDDING SHOE
Alex H. Bieuel, Wauwatosa, Wis.
Application January 20, 1936, Serial No. 59,845
3 Claims. (Cl. 72—115)



2. A studding shoe of the character described comprising, a flat plate adapted to fit flush on a floor surface and be fastened thereto, a pair of resilient tongues formed on said plate and adapted to resiliently retain a metal stud therebetween, and a deformable projection on said plate having means to retain and guide a nail while driving into said floor.

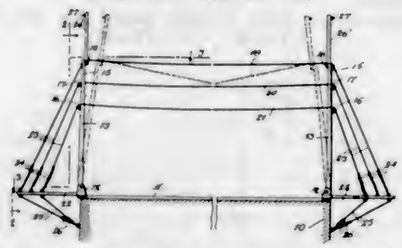
2,100,210
IGNITION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Bernard M. Cain, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application December 14, 1934, Serial No. 757,513
5 Claims. (Cl. 123—148)

1. A multi-spark ignition system for an internal combustion engine having a spark gap comprising an inductive source of alternating current, a transformer having its primary connected in circuit with said source and its secondary con-



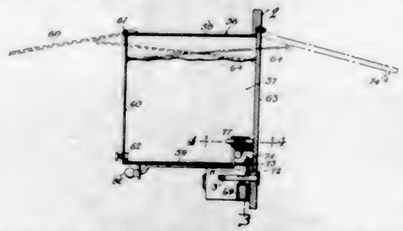
nected with said spark gap and a capacitor connected across said primary, the impedance of said capacitor being substantially no greater than the no load impedance of said transformer.

2,100,211
BOMB PROTECTION APPARATUS
Francisco Feitosa, New York, N. Y.
Application December 16, 1936, Serial No. 116,126
2 Claims. (Cl. 89—36)



1. A bomb protection apparatus including a base frame, a series of upright frames of varying heights pivotally connected to the base frame, nets connecting the upper ends of pairs of said upright frames, fixed arms extending horizontally from the base frame, stays connecting said arms with the upright frames, coil springs constituting portions of said stays, and cables connecting said arms and said upright frames, said cables limiting the inward pivotal movement of the frames and the sag of the nets.

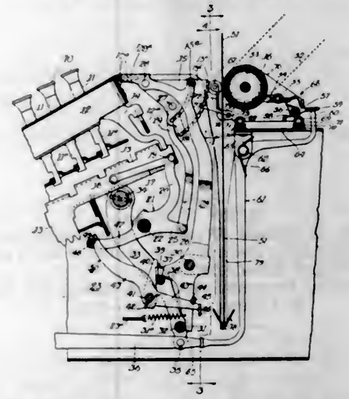
2,100,212
ELECTRICALLY ACTUATED DISPENSING APPARATUS
Maxime Ferrer, Jamaica, N. Y.
Application November 20, 1936, Serial No. 111,806
1 Claim. (Cl. 232—1)



A device of the character described including means forming a compartment, said means being formed with inner and outer doors, a flexible member connecting said doors, said flexible member being of a length to permit one door to be opened without molesting the other door while said other door is capable of being swung sufficiently to pull said flexible means for closing the

first mentioned door, a catch for locking the first mentioned door closed, electrically actuated means for disengaging said catch, and spring actuated means for opening the first mentioned door.

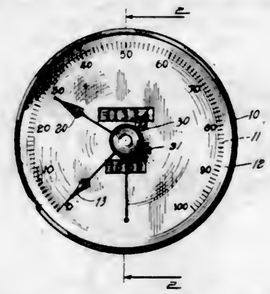
2,100,213
PRINTING MECHANISM
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application December 28, 1935, Serial No. 56,465
8 Claims. (Cl. 101—93)



1. In a machine of the character described, having racks arranged for reciprocating movements, a platen type carriers adapted to selectively impinge the platen, said type carriers being arranged in side-by-side relation and having a series of type thereon, means supporting the type carriers for pivotal movements, means connecting the type carriers with the racks to pivotally move to adjust said type carriers upon the movement of the racks, lock means coacting with said type carrier supporting means rigidly supporting the same, yieldable means urging said supporting means and type carriers toward the platen, and means coacting with said lock means for effecting a release thereof with said supporting means upon a predetermined movement of the rack.

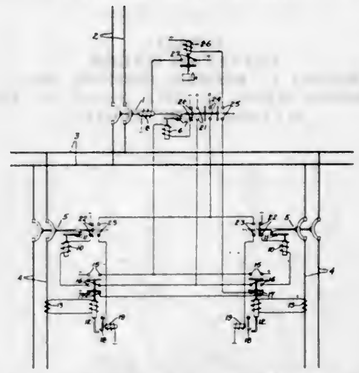
2,100,214
ADJUSTABLE SPEED LIMIT INDICATOR
Elmer J. Graham, Denver, Colo., assignor of one-half to Leslie H. Rees, Denver, Colo.
Application March 28, 1936, Serial No. 71,479
Renewed October 5, 1937
1 Claim. (Cl. 200—56)

In a speed indicating device having a dial and a speedometer hand for indicating positions on said dial, means for closing an electrical circuit when said speedometer hand reaches certain positions on said dial comprising: a setting hand pivotally mounted in axial alignment with said speedometer hand; a spring stud projecting inwardly from said setting hand toward said speedometer hand; a spring arm extending from said stud parallel to said setting hand across the axis thereof; a first contact on the latter extremity of said spring arm; a rear extremity on said speedometer hand positioned diametrically opposite to the latter; a contact stud extending forwardly from said rear extremity, said first contact having a cylindrical surface said contact stud terminating in the path of said surface so that the latter will slide past said stud while flexing said spring as said two hands pass each other; and



means for placing said contacts in an electric signal circuit.

2,100,215
CIRCUIT BREAKER CONTROL SYSTEM
Alan E. Henninger, South Ardmore, Pa., assignor to General Electric Company, a corporation of New York
Application July 29, 1936, Serial No. 93,241
5 Claims. (Cl. 175—294)

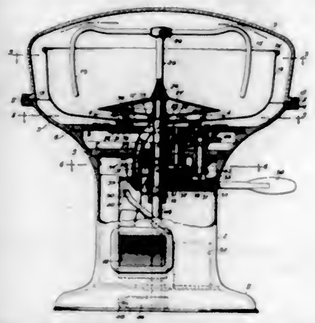


1. In combination, a supply circuit, a supply bus, a circuit breaker between said supply circuit and said bus, a load circuit, a second circuit breaker connecting said load circuit to said supply circuit, a relay responsive to a predetermined abnormal condition in said load circuit, means for maintaining said relay in its operated position after said predetermined abnormal condition has been removed from said load circuit, means responsive to the operation of said relay for effecting the opening of said first-mentioned circuit breaker and the subsequent opening of said second circuit breaker, means responsive to the opening of said second breaker for restoring said relay to its normal position, and means responsive to the restoration of said relay to its normal position for reclosing said first-mentioned circuit breaker.

2,100,216
VENDING MACHINE
Philip C. Hughes, Brooklyn, N. Y.,
Application June 10, 1936, Serial No. 84,403
4 Claims. (Cl. 221—123)

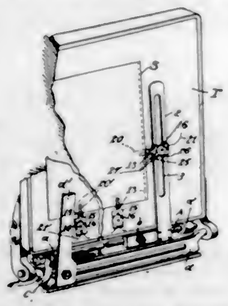
2. A vending machine including a support, an article carrying bowl carried by said support,

spring actuated means for rotating said bowl, said bowl being formed with an opening in the center of its bottom, manually actuated means for causing said spring actuated means to function, an article discharge chute extending



through the opening in the bottom of said bowl for directing an article to a discharge point, and an article discharge member having a spiral passageway for guiding articles to said discharge chute as said bowl rotates.

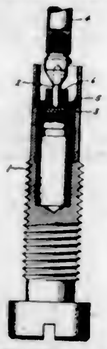
2,100,217
PRINTER'S GAUGE
Herbert F. Johnson, Pittsfield, Mass.
Application March 11, 1937, Serial No. 130,341
8 Claims. (Cl. 101—415)



1. A gauge for use as a side gauge, adapted to be adjustably supported on an arm having a movement imparted thereto in a direction to and away from the side of the sheet to be printed, means between the base of the gauge and the arm to guide the gauge along the arm for adjustment thereof longitudinally and transversely, means to clamp the gauge in said adjusted position, and means connected with the gauge to engage in a slit cut in the tympan sheet to hold the arm and gauge in movable contact with the tympan sheet.

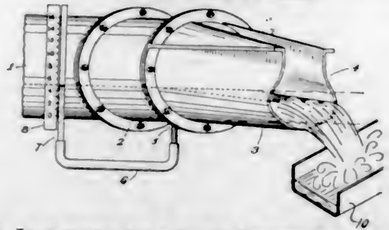
2,100,218
METER PIVOT
Floyd C. Kelley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 20, 1935, Serial No. 27,615
5 Claims. (Cl. 308—159)

1. A pivot consisting substantially of about 20% to 35% of metal from a group consisting of tungsten and molybdenum and about 80% to 65%



of metal from a group consisting of cobalt and nickel.

2,100,219
OPEN NOZZLE
Karl R. Kennison, Newton, Mass., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application December 23, 1935, Serial No. 55,824
8 Claims. (Cl. 73—215)

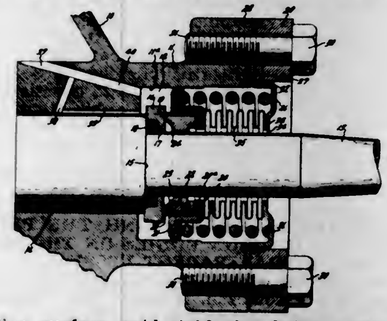


1. In a meter for a liquid flowing from a conduit, an open-nozzle attachable to said conduit and having a trough-like portion shaped at its entrance to align with the said conduit and thence narrows to its outlet, the lower edge of said outlet being no higher than the bottom line of said conduit and upper portion of said outlet being a top-open slot with vertical walls, the said trough-like portion being arranged to progressively alter the cross sectional area of the stream of said liquid relative to that at a given point in said conduit with increase in the depth of said liquid therein.

2,100,220
SHAFT SEAL
Ralph E. King, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 24, 1936, Serial No. 107,434
3 Claims. (Cl. 286—11)

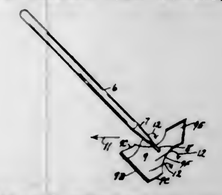
1. A shaft seal comprising a casing provided with a shaft aperture, a rotatable shaft extending through said aperture and provided with a transverse sealing surface, a supporting collar provided with a recess therein, a resilient annulus positioned in said recess and having a sealing face engaging said sealing surface, a rigid ring positioned in said recess adjacent said resilient annulus and having a sealing face engaging said sealing surface, means including a portion of said resilient annulus interposed between said rigid ring and said supporting collar for sealing said

rigid ring to said supporting collar and for yieldably mounting said rigid ring in said recess to accommodate aligning movements thereof with respect to said sealing surface, means including a spring for pressing said resilient annulus and said rigid ring in sealing engagement with said



sealing surface, said rigid ring being arranged to carry a major portion of the thrust upon said sealing surface, and means including an imperforate resilient bellows extending between said supporting collar and said casing for sealing said supporting collar to said casing.

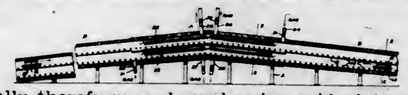
2,100,221
WEEDING AND CULTIVATING TOOL
James C. Kofoed, Northfield, Minn.
Application July 15, 1936, Serial No. 90,652
1 Claim. (Cl. 97—66)



In a weeder and cultivating implement including an elongated handle bar, a metal stem extending forwardly integrally from an end thereof, a cutter blade of flat metal rigidly fixed to the outer end of said stem in a plane at right angles and transversely of the handle bar; said blade comprising a hoe part extending in an arcuate plane to one side of said stem and its outer end comprising a transverse beveled cutting edge, said blade extending on the opposite side of the stem in the form of an arrow head pointed outwardly and having beveled cutting edges from its tip to its widest part, said blade further being formed with continuous arcuate side edges intermediate its arrow shaped head and the cutting edge of the hoe part to form a narrow neck in vicinity of the stem and flaring thence outwardly at opposite sides to the side edges of the hoe part, for the purpose set forth.

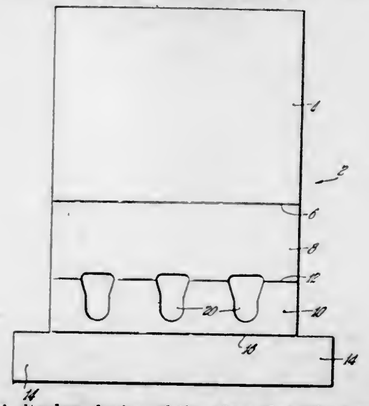
2,100,222
ENAMELING FURNACE
James L. McFarland, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 23, 1936, Serial No. 102,152
6 Claims. (Cl. 25—142)

1. A furnace having a heat transfer section comprising superposed chambers, means for supporting and moving material therein having different temperatures in the different chambers and a baffle separating said chambers comprising spaced horizontal plates and a plate spaced verti-



cally therefrom and overlapping said plates for preventing dirt from falling from the upper chamber into the lower chamber but providing a free passage for the exchange of the atmosphere in said chambers.

2,100,223
DISPLAY DEVICE
William Reed, Springfield, Mass.
Application April 22, 1936, Serial No. 75,784
2 Claims. (Cl. 206—79)

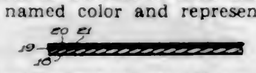


1. A display device of the class described comprising in combination, a substantially flat and vertically-disposed body member, a substantially flat and horizontally-disposed ledge member extending forwardly from the forward face of said body member at a point intermediate its upper and lower marginal edges, and a connecting member extending downwardly from said upper marginal edge of the body member to the forward marginal edge of the ledge member so as to form therewith a hollow support, said connecting member being provided with an enlarged opening adjacent its connection with the ledge member and said ledge member being provided with a rearwardly tapering opening which leads into said enlarged opening, all adapted and arranged whereby an object may be introduced into said enlarged opening and moved rearwardly into said tapering opening so as to be supported within said hollow support by the portions of the ledge member surrounding said tapering opening.

2,100,224
COLOR PHOTOGRAPHY
Francis H. Snyder and Henry W. Rimbach, New York, N. Y., assignors to Francis H. Snyder, Inc., New York, N. Y., a corporation of Delaware
Application February 26, 1935, Serial No. 8,344
2 Claims. (Cl. 95—2)

1. The process of color photography which comprises producing on an emulsion carried by a

paper sheet a positive which is in a color representing a reproduction of the tone values of the corresponding color of the subject, producing a plurality of other positives each of which is in a transparent or translucent color different from said first named color and representing a re-

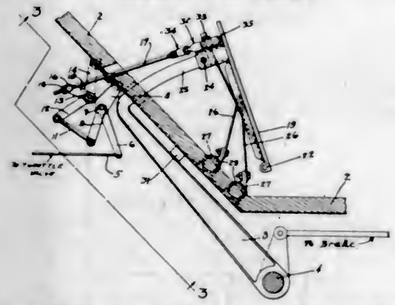


production of the tone values of the corresponding color of the subject, coating the paper sheet with a water proofing material, and successively superimposing and registering such other positives in a wet condition on said first named positive with said emulsion in a wet condition.

2,100,225
OPERATING MECHANISM FOR AUTOMOTIVE VEHICLES

Henry E. Stein, Mankato, Minn.

Application December 18, 1936, Serial No. 116,559
9 Claims. (Cl. 192—3)

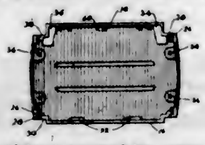


1. The combination with an automotive vehicle comprising a throttle and a brake, of an operating mechanism for said throttle and brake comprising a brake pedal and a throttle pedal disposed in a common plane, whereby the driver may shift his foot from one pedal to the other with a minimum of movement, means carried by the brake pedal for transmitting motion from the throttle pedal to the throttle, but which means has no effect upon the throttle when the brake pedal is actuated, means whereby the throttle pedal can be operated to open the throttle only when the brake pedal is substantially in its normal inoperative position, and means convenient to the driver's seat for limiting the opening of the throttle whereby the vehicle cannot be driven beyond a predetermined speed.

2,100,226
COMPOSITION PANEL CABINET ASSEMBLY PARTICULARLY ADAPTED FOR USE IN MOLDED RADIO CABINETS

Knut Eskid Birger Stenberg, Attleboro, Mass., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass., a corporation of Massachusetts

Application March 11, 1937, Serial No. 130,364
2 Claims. (Cl. 312—7)

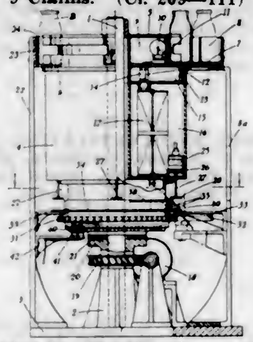


2. A radio cabinet assembly, comprising molded composition integral U-shaped top and end panels having aligned molded grooves at the front and rear edges of said top and end panels, and front and rear panels having tongues at the top and end edges thereof, whereby said front and rear panels may be assembled by sliding said tongues upwardly in said grooves, the removable front and rear panels having lugs substantially vertically equidistantly spaced from the lower ends thereof and the end panels having lugs substantially equally equidistantly spaced from the lower ends thereof having screw holes for detachable securement of a chassis base thereto insertable from underneath, whereby on securement of a chassis base thereto, said chassis base may abut the lugs on the removable front and rear panels to retain said front and rear panels with said U-shaped panel in assembled relationship.

2,100,227
APPARATUS FOR DETECTING THE PRESENCE OF FOREIGN BODIES ON THE BOTTOMS OF TRANSPARENT VESSELS

Norman Parker Stoate, Kew Gardens, and William Albert Robinson, Wembley Hill, England; said Robinson assignor to said Stoate

Application January 28, 1936, Serial No. 61,254
9 Claims. (Cl. 209—111)



1. Apparatus for detecting the presence of foreign bodies on the bottoms of transparent vessels comprising in combination a support for a vessel, said support having a narrow scanning slit formed therein having an area small relatively to that of the bottom of the vessel and a length substantially equal to the radius of the vessel, a light-sensitive device disposed beneath the support, a source of light disposed to direct its light through the bottom of the vessel onto the slit, means for rotating the vessel about its longitudinal axis whereby the entire surface is scanned, means operable under the control of the light-sensitive device to give a signal or indication when the light falling on the light-sensitive device is reduced below a predetermined value, and means for preventing operation of the indicating means due to the passage of the walls of the vessel across the scanning slit.

2,100,228
PROCESS FOR THE DEALKYLATION OF ALKYL-ARYL ETHERS

John M. Tinker, Penns Grove, and Viktor M. Weinmayr, Pitman, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 27, 1936, Serial No. 82,150
8 Claims. (Cl. 260—154)

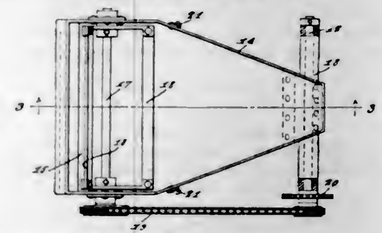
1. The improvement in a process of dealkylation of aryl alkyl ethers which comprises heating an aryl alkyl ether in the presence of an aliphatic amine hydrohalide until dealkylation is at least partially complete.

7. A process for the preparation of pyrocatechol from guaiacol which comprises heating guaiacol in the presence of trimethylamine and gaseous hydrochloric acid until demethylation of the guaiacol is at least partially complete.

2,100,229
SKIP FOR CONCRETE MIXERS

James E. Van Orden, Acra, N. Y.

Application January 13, 1936, Serial No. 58,953
4 Claims. (Cl. 83—73)

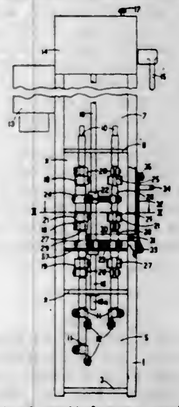


2. A skip of the character described comprising a trough-like body having a chute end, and a receiving mouth and lip, a shaft journaled with the body for swingingly supporting the latter, a bladed cleaning and mixing wheel rotatably arranged within the body adjacent said mouth, driven connections between the shaft and said wheel, means for raising and lowering said body, connections with a power unit for driving said shaft, and a stop disposed within the body between the lip and the wheel and overhanging a portion of the wheel which is disposed adjacent the lip.

2,100,230
ELECTRICAL SWITCH GEAR

George Ethelbert Whitehead, Cardiff, South Wales

Application September 18, 1936, Serial No. 101,507
In Great Britain October 23, 1935
3 Claims. (Cl. 175—298)

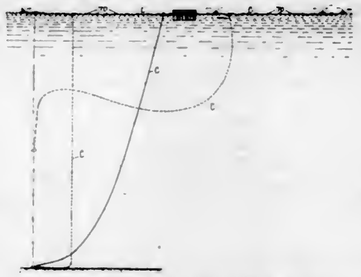


1. An electrical switchgear unit for moderate voltages comprising a vertical framework, horizontal cross-partitions dividing said framework into three superimposed compartments, transverse busbars contained in one of the end compartments and having rod-like circuit breaker terminal stems directly connected therewith, rod-like circuit breaker terminal stems contained in the remote compartment and adapted to be connected with cable ends, and a circuit breaker contained in the middle compartment and having pairs of fixed contacts, the members of each pair of fixed contacts being in vertical alignment, and moving bridge contacts comprising longitudinal rods and a spider carrying said longitudinal rods, said spider being rotatable on a vertical axis, each moving contact rod being in line with the terminal stems of a pair of fixed contacts when the circuit breaker is closed and giving a straight through electric circuit disposition.

2,100,231
SEA BOTTOM ANCHOR SYSTEM AND METHOD OF PLACING THE SAME

Edward R. Armstrong, Hollyoak, Del.

Application June 19, 1934, Serial No. 731,380
15 Claims. (Cl. 114—0.5)



3. A deep-sea-anchor comprising an externally smooth and upwardly convex top wall having a peripheral shoe and a central aperture, a bottom wall, a peripheral closing wall spaced inwardly from said shoe, a cable securing means located inside said walls, and a conical wall extending from said means to the top wall for closing said aperture, said walls providing a buoyancy chamber.

8. The method of placing a deep-sea-anchor device upon the sea floor, said device including an anchor cable and an anchor having a buoyancy chamber by which it is floated, which comprises buoyantly moving the anchor to the desired latitude and longitude, buoyantly supporting the anchor cable at a plurality of points along its length with the cable extended and connected to an end buoy, flooding the buoyancy chamber and rendering the anchor non-buoyant and simultaneously releasing the cable along its length so that the anchor and cable drop simultaneously, and retarding the descent of the anchor and the adjacent portion of the cable to a rate substantially equivalent to that of the descent of the remainder of the cable to prevent fouling of the cable.

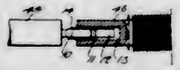
2,100,232
FLEXIBLE COUPLING FOR RADIO VOLUME CONTROL OR THE LIKE

Gerald J. Barry, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application May 19, 1936, Serial No. 80,630
3 Claims. (Cl. 64—15)

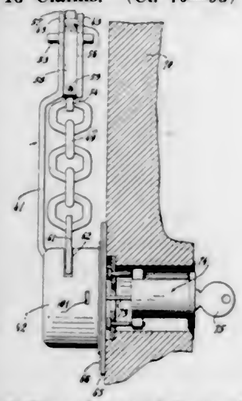
1. A flexible shaft coupling for a radio volume control or the like, comprising a pair of electrically-conductive members having interlocking portions forming a flexible joint, one of said portions comprising a non-circular part and a projection extending therefrom, the other of said

portions having a non-circular recess to receive said part and another recess to receive said projection, and an electrically-conductive resilient spring extending about said part and having an aperture through which said projection extends, for preventing angular movement of said mem-



bers relative to one another while permitting axial misalignment of said members, and for forming a good electrical joint between said members, said projection serving to hold said spring in place and cooperating with said other recess to interlock said members.

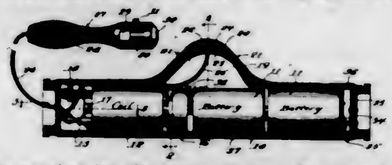
2,100,233
AUTOMATIC CHAIN LOCK
Eugene P. Beaumont, New York, N. Y., assignor to Whiting Manufacturing Company, Minneapolis, Minn., a corporation of Minnesota
Application September 29, 1936, Serial No. 103,099
18 Claims. (Cl. 70—93)



1. In a lock for a door and its jamb, the combination of, a chain secured at one end whereby it remains mounted on one of them, a pair of members, each adapted to admit and engage the free end of the chain, mounted on the door and jamb respectively, one fixed and the other pivoted; the free end of the chain being removably engaged in one of said members, a key-operative means adapted to be actuated from the outside surface of the door for swinging the pivoted member whereby the free end of the chain is conveyed to leave the said member with which it is in engagement, and to enter and become engaged by the other of said members to effect or remove a chain connection between the door and jamb, locking means adapted to removably engage the pivoted member to fix its position, and means actuated by said key-operative means to motivate said locking means to fix the position of the pivoted member after a chain connection has been effected or removed and to release said pivoted member at each commencement of operation of said key-operative means.

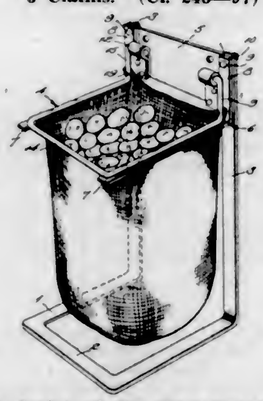
2,100,234
MASSAGING DEVICE
Gardner A. Belknap, Conneautville, Pa.
Application May 21, 1936, Serial No. 81,116
2 Claims. (Cl. 128—24.5)

1. A massaging device comprising an elongated casing, means in the casing for supplying an oscillating current, a hollow projection intermediate the ends of the casing on one side of the casing gradually increasing in length from its upper to its lower end and having slightly convex upper end and front and rear edges, an elec-



trode carried by the projection and exposed at the top of the projection and electrically connected to said means, and a dirigible electrode connected to said means and applicable adjacent the first named electrode to the person of the user.

2,100,235
SACK HOLDER
Milo Brown, Blackfoot, Idaho
Application April 20, 1936, Serial No. 75,460
3 Claims. (Cl. 248—97)

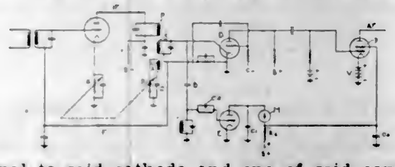


1. In a device of the character described, a base section comprising a U-shaped base having a pair of legs, a pair of spaced apart uprights connected to said legs, and a clamping section secured to said uprights and comprising a pair of brackets, respectively, each including a horizontally disposed arm overlying the corresponding leg of the base and a vertically disposed end arm parallel to the corresponding upright, a bail pivotally mounted intermediate the upright arms and comprising side arms adapted to be swung into clamping relation to said horizontal arms, and right angled end arms adapted to be swung into clamping relation to said upright arms, said bracket arms and bail arms being provided with apertures and pins, respectively, disposed for mating relation.

2,100,236
INTERCARRIER NOISE SUPPRESSOR
Reynolds D. Brown, Jr., Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1935, Serial No. 20,477
In Great Britain May 14, 1934
4 Claims. (Cl. 250—20)

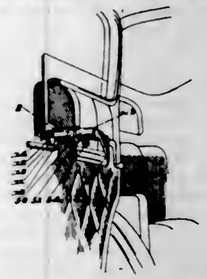
1. In a superheterodyne radio receiver, an intermediate frequency amplifier for amplifying

modulated intermediate frequency carrier signals, a branch circuit comprising at least one sharply tuned circuit energized by said intermediate frequency amplifier, rectifying means energized by said intermediate frequency amplifier for demodulating said modulated signal, an audio frequency amplifier comprising at least one space discharge device having an anode, a cathode and two control elements, means for supplying said demodulated



signal to said cathode and one of said control elements, a second rectifying means connected to said branch circuit and having an output circuit wherein there is obtained a signal dependent upon said carrier signal amplitude, and means including filter means for supplying said last named signal to said cathode and said other control element so as to reduce the amplification of said audio frequency amplifier when said carrier signal amplitude is less than a predetermined value.

2,100,237
DOOR LOCK
Simon Bubes, Chicago, Ill.
Application March 13, 1937, Serial No. 130,767
6 Claims. (Cl. 292—352)



1. In a door latch, a casing, a rotatable member adapted to be connected to an operating part of a door lock and mounted in said casing, a shaft loosely mounted for rotation in the rotatable member, a door handle connected to the outer end of the shaft, a sleeve slidably mounted on the member and rotated by said member, cooperating means on the shaft and sleeve for operatively connecting the rotatable member with the shaft, a spring for maintaining the sleeve out of engaging relation with the connecting means on the shaft, and means for retaining the sleeve in engagement with said connecting means so that the handle may operate the rotatable member.

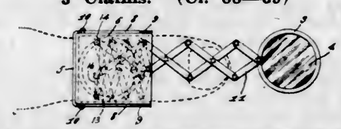
2,100,238
METALLIC EXPANSION JOINT
John I. Burgess, Fort Worth, Tex.
Application April 8, 1936, Serial No. 73,366
2 Claims. (Cl. 20—6)

1. In an expansible leak proof joint, the combination with a pair of spaced, parallel inner side edgewise aligned body sections of a structure, said sections being formed in opposed side edges with aligning oppositely disposed semi-circular grooves intermediate the upper and lower ends of said edges, said sections being formed in their upper faces with grooves adjacent and parallel to said side edges, and a continuous jointing element provided at its inner end with an anchoring part in the form of a split bulbous tubular portion having its outer face snugly engaging throughout the walls of said semi-circular grooves, a pair of vertically disposed spaced parallel stems merging at their lower ends into the split ends of said portion and having their outer faces bearing



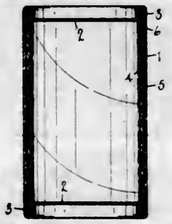
throughout against said side edges from the top of said portion to the upper end of said edges, a pair of oppositely disposed outwardly extending flat wings merging at their inner sides into the outer ends of and disposed at right angles to said stems, the inner faces of said wings seating throughout upon the upper face of said sections, and a pair of downturned vertical straight flanges integral at their upper ends with the outer sides of said wings and extending into said grooves in the upper faces of said sections.

2,100,239
MAGNIFYING GLASS
Paul C. Carlton, Baldwin, Md.
Application July 7, 1936, Serial No. 89,393
3 Claims. (Cl. 88—39)



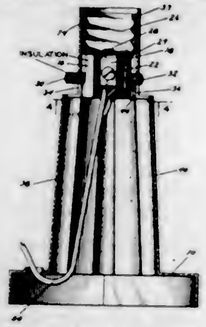
1. A magnifying device comprising a glass, a housing therefor, a band having the housing rotatably secured thereto, means for attaching the band to the hand of the user, extensible means for connecting the glass to the housing for movement of the former into and out of the latter, and universal connecting means between the glass and the extensible means.

2,100,240
CONTAINER
Julius N. Cayo, Benton Harbor, Mich.
Application April 23, 1936, Serial No. 75,986
1 Claim. (Cl. 229—5.5)



A mailing tube or package comprising an inner body of spirally wound low grade paper tube, an outer layer of kraft paper wrapped thereon in concentric layers and projecting beyond the end of the spiral tube to form shoulders, and flanged heads for said container bottomed against the ends of the inner tube with the projecting ends of the kraft paper layer bent and crimped over the flanges of the heads, whereby the heads are retained in place by the folding and crimping of the kraft paper.

2,100,241
ELECTRIC LAMP SUPPORT
Roy H. Cunningham, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application July 24, 1936, Serial No. 92,430
3 Claims. (Cl. 240—81)

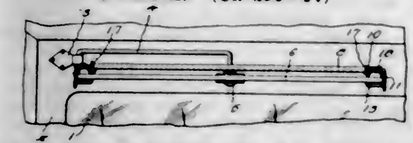


3. In combination, an electric lamp socket having an insulating base, lamp receptacle contacts and switch mechanism mounted on said base, a rigid switch operating member projecting from said base, in combination with a thin walled standard of molded insulating material, said standard comprising a hollow column having a substantially cylindrical top portion closely fitting said socket base and being slotted to permit extension of said operating member therethrough, said column being enlarged to permit the insertion of said socket base into said top portion through the column, said column having an opening adjacent said top portion and communicating with the slotted area of said top portion whereby said operating member may move out of said column as said socket base moves into said top portion.

2,100,242
PREPARATION OF 2-CHLORO-5-AMINO-BENZOIC ACID
Robert Freeman Deese, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 5, 1936, Serial No. 83,812
5 Claims. (Cl. 260—109)

1. The process of producing 2-chloro-5-amino-benzoic acid which comprises nitrating ortho-chloro-benzoic acid, reducing the resulting chloro-nitro-benzoic acids to the corresponding chloro-amino-benzoic acids, and separating the 2-chloro-5-amino-benzoic acid from an aqueous acidic medium maintained at a pH within the range of 2.5 to 3.5.

2,100,243
AUXILIARY GLARE SHIELD
Frederick C. Doody, St. Onge, S. Dak.
Application March 9, 1937, Serial No. 129,899
8 Claims. (Cl. 296—97)



5. An auxiliary glare shield, comprising a clamping unit for securing the shield to a support and consisting of a frame having a longitudinal side bar and end bars and clamping arms pivotally coupled with the frame at its ends and having co-acting clamping relation with said end bars, a shield frame having hinge connection with the unit, and a transparent panel of material in the frame having the capacity to intercept undesirable light rays.

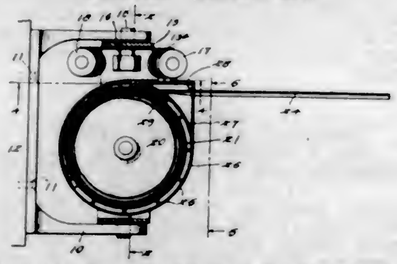
2,100,244
WITHDRAWN

2,100,245
FIGURE TOY
Edgar W. J. Fagan, Brooklyn, N. Y., assignor of one-half to Adam G. George, New York, N. Y.
Application August 31, 1936, Serial No. 98,766
1 Claim. (Cl. 272—52)



A figure toy in the form of a horse and comprising a flat body, front and rear legs pivotally secured to the body upon opposite sides thereof, means connecting the front legs with the rear legs for movement thereof in unison, a head and a neck and the latter fixed to the pivot of the front legs for movement therewith, parallel front and rear flat supporting braces for the user of the toy, said braces being slotted from their lower ends to straddle the body and secured to and rising therefrom, a pair of straps having one of their ends secured to the rear brace and having spaced openings extending longitudinally in the opposite end portions thereof, hook means secured to the front brace to be received in the openings for adjustably securing the straps thereto, and said straps adapted for disposal about the shoulders of the user for the latter to carry the toy with the legs of the user straddling the body.

2,100,246
TRAFFIC SIGNAL
Raymond W. Glawe, Acampo, Calif.
Application July 28, 1936, Serial No. 93,109
4 Claims. (Cl. 177—327)



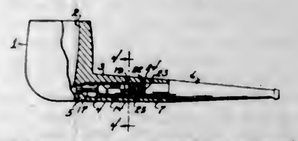
1. A signalling device of the class described comprising a frame, means pivotally mounting said frame, an extensible signalling means carried by the frame comprising a drum, a normally arcuate flexible signalling member having a portion wrapped flat about the drum, means providing an opening arcuate in cross section adjacent to the drum, one end of said signalling member being fastened to the drum and the other end being free and so disposed as to be projected through said arcuate opening, an electric motor on the frame operable to extend said signalling means, and mechanism operable to energize the motor and to actuate the frame pivotally to vary the position of the signalling means.

2,100,247
CABINET TABLE
Earl C. Groves, Jetmore, Kans.
Application November 21, 1935, Serial No. 50,951
2 Claims. (Cl. 38—113)



2. A cabinet table comprising a cabinet including a top and side walls having portions extending above the top, a table top pivoted on the cabinet and swingable to a horizontal position upon the extended side wall portions to form a chamber, an ironing board located in its substantial entirety in the chamber, a pin projecting from the board, a single bracket at one end of the chamber having pivotal connection between the board and cabinet top and located in a plane which is at an acute angle to an edge of said top, a pair of brackets adjacent the other end of the chamber pivoted on the cabinet top and in planes which are at angles to each other, the free ends of the last-mentioned brackets being provided with eyes aligning with each other and receiving the pin on the board when the board is raised to the working position by swinging the single bracket to an upright position with respect to the top, thereby retaining the pair of brackets in a vertical position, all of said brackets assuming a resting position on the cabinet top when the board is swung down with the single bracket into the lowered and non-working position.

2,100,248
TOBACCO PIPE
Raymond F. Hallstein, Philadelphia, Pa.
Application December 11, 1936, Serial No. 115,432
4 Claims. (Cl. 131—12)



1. A tobacco pipe comprising a bowl, a stem for the bowl having a passage communicating with the bore thereof, a mouth piece received in the stem, movable means on the mouth piece, means carried by the movable means and movable through the passage to remove obstructions therefrom upon rotation of the mouth piece in one direction, expansible and contractable means on the mouth piece and acted upon by the movable means to be expanded in binding engagement with the stem upon rotation of the mouth piece in an opposite direction for securing the latter to the stem.

2,100,249
NECK FOR MUSICAL INSTRUMENTS
Guy Hart, Kalamazoo, Mich., assignor to Gibson, Inc., Kalamazoo, Mich.
Application August 25, 1937, Serial No. 160,762
8 Claims. (Cl. 84—293)

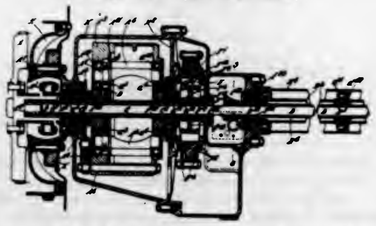


8. A neck for stringed instruments comprising a body member having a longitudinal channel in the upper side thereof, a metal insert disposed in the bottom of said channel, a truss rod disposed on said insert, and a filler strip secured in said channel above said truss rod.

2,100,250
PROTECTIVE COATING FOR TENNIS STRINGS AND THE LIKE
George Victor Heyl, Chicago, Ill., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
No Drawing. Application December 31, 1934, Serial No. 760,051
3 Claims. (Cl. 149—1)

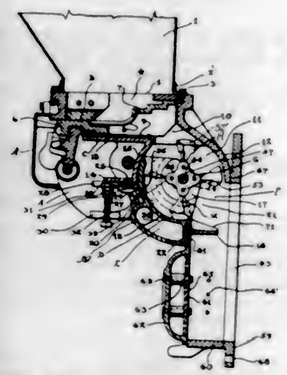
1. A tennis string having a protective coating comprising an organic colloid and a substance calculated to transmit oxygen upon exposure to air whereby it is substantially self curing, said substance comprising the reaction product of ammonia with the hydroxide of a suitable divalent metal.

2,100,251
AUTOMATICALLY VARIABLE POWER TRANSMISSION MECHANISM
Howard Frederick Hobbs, Leamington Spa, England
Application January 23, 1936, Serial No. 60,471
In Great Britain December 29, 1933
5 Claims. (Cl. 74—260)



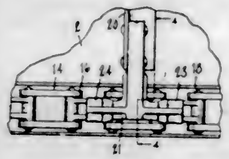
1. A power transmission mechanism comprising a driver shaft, a driven element, planet pinions carried by the driver shaft, at least one set of planetary weights carried by said planet pinions, a sun-gear meshing with said planet pinions, an intermediate rotary tubular shaft, means for preventing said intermediate tubular shaft rotating other than in a desired direction, said sun-gear being mounted on said intermediate tubular shaft, and a resilient device mounted within said intermediate tubular shaft and resiliently connecting said intermediate tubular shaft to said driven element.

2,100,252
MECHANICAL STOKER
Jerome A. Hoffman, Detroit, Mich., assignor to Hoffman Combustion Engineering Company, Detroit, Mich., a corporation of Michigan
Application May 29, 1934, Serial No. 728,186
15 Claims. (Cl. 110—115)



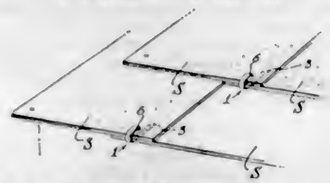
11. A delivering mechanism for a stoker including a casing having a fuel inlet and a fuel outlet, means in said casing for distributing and discharging fuel through said outlet, said casing including a lower adjustable portion having a chamber for the passage of air therethrough under pressure to cool said lower adjustable portion, said lower adjustable portion having a discharge shelf and an air outlet from said chamber above said shelf, and means for adjusting said lower casing portion and holding the same in adjusted position.

2,100,253
CONVEYER MECHANISM
Robert W. Irwin and Cornelius M. Herz, Grand Rapids, Mich.
Application June 19, 1936, Serial No. 86,104
7 Claims. (Cl. 198—175)



1. A kiln with smooth flat floor from end to end, movable support adapted to travel said floor and carry articles to be dried, channel guides at each side thereof, endless sprocket chains running over sprocket wheels at each end, the upper runs of which travel in said guides, removable push bars with detachable attaching brackets at each end, each having a square projecting tooth adapted to engage between the links of the sprocket chains at each side and adapted to be pushed from said engagement by the sprocket wheels at the end of the run, whereby the push bars are released by the sprocket wheels after completing the travel of the kiln, a guide channel disposed under the first mentioned channel for the return run of the chain disposed upon the foundation upon the first run of the channel.

2,100,254
CLIP FOR FASTENING ROOFING
Bernie C. Krider, Flint, Mich.; Philip W. Krider administrator of said Bernie C. Kridler, deceased
Application April 10, 1935, Serial No. 15,677
5 Claims. (Cl. 108—33)



1. A clip of the type described comprising a relatively long lower leg, an upstanding shoulder of a height equal to the thickness of at least two shingles, an upwardly slanting upper leg, and a downturned pointed end substantially straight so it can be driven into the shingles, and in which said upper leg terminates and which is only of sufficient length to engage the outer shingle only.

2,100,255
METHOD OF MAKING COMPOSITE BODIES OF ZINC AND ALUMINUM
Clayton E. Larson, Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 28, 1936, Serial No. 61,252
15 Claims. (Cl. 29—189)

1. In the method of making aluminum coated zinc plates, sheets, foils, and other bodies having an aluminum coating at opposite sides of a zinc core, the steps which include applying molten zinc to that face of the aluminum which is to constitute the inner face of an aluminum envelope while breaking down the aluminum oxide film on said face to form a predetermined layer of zinc aluminum alloy, forming the aluminum into an envelope for a billet or the like, fusing a core of zinc to said alloy within said envelope, and then subjecting said billet or the like to successive rolling operations to increase its surface area without destroying the bond between the aluminum and zinc.

2,100,256
METHOD OF MAKING COMPOSITE BODIES OF ZINC AND ALUMINUM
Clayton E. Larson, Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 8, 1936, Serial No. 63,030
4 Claims. (Cl. 29—189)

4. The method of forming malleable and ductile aluminum coated zinc having an aluminum zinc bond of relatively thin and substantially uniform and predetermined thickness which does not penetrate to the surface of the aluminum, said method including the steps of forming on the surface of an aluminum coating sheet a relatively thin layer of zinc aluminum alloy while breaking down the aluminum oxide film at the surface of the aluminum and controlling the thickness of said alloy layer by the temperature of the metal and the amount of work applied thereto, and then causing cohesion of the zinc of said layer to the zinc core metal by rolling the coating and core metals together under a pressure that causes interlocking of the contacting zinc faces and under a temperature that leaves the zinc aluminum alloy of substantially its original thickness whereby the resulting bond remains relatively thin and of predetermined thickness and the laminated metal is malleable and ductile, and thereafter working said laminated metal to reduce the cross section thereof without disrupting said bond.

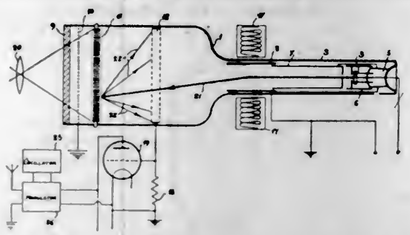
2,100,257
COMPOSITE BODY OF MAGNESIUM AND ALUMINUM, AND METHOD OF MAKING SAME
Clayton E. Larson, Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 8, 1936, Serial No. 63,031
15 Claims. (Cl. 22—203)

5. The method of forming laminated billets and other bodies of aluminum coated magnesium which includes the steps of forming a sheet of aluminum, forming an alloy layer at the face of said sheet which is to be united to the magnesium, and fusing to said alloy layer a magnesium core to form an alloy bond of substantially uniform character and predetermined depth throughout the contiguous surfaces of said metals.

2,100,258
COMPOSITE BODY OF COPPER AND ALUMINUM OR COPPER AND MAGNESIUM, AND METHOD OF MAKING SAME
Clayton E. Larson, Louisville, Ky., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
No Drawing. Application February 15, 1936, Serial No. 64,180
16 Claims. (Cl. 29—189)

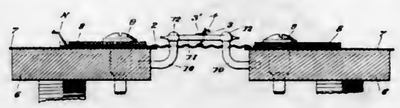
1. The method of forming laminated billets and other bodies of copper coated aluminum or magnesium which includes the steps of forming an alloy of zinc and copper at the inner face of a copper envelope, and casting aluminum or magnesium into said envelope into direct contact with said alloy to form therewith a substantially continuous zinc alloy bond between said copper and said aluminum or magnesium.

2,100,259
TELEVISION
James Dwyer McGee, Ealing, London, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 3, 1934, Serial No. 723,633
In Great Britain May 5, 1933
8 Claims. (Cl. 178—6)



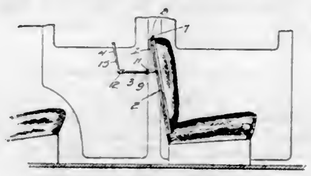
8. Television and like transmitting apparatus comprising an evacuated envelope containing a mosiac screen and an electron gun for directing a beam of electrons upon said screen, said screen having a first surface directed towards said electron gun and a second surface facing away from said electron gun and being formed of a multiplicity of elements each comprising a conductor having two opposite end faces lying in said surfaces, a coating of photo-electrically active material upon the end faces of said elements which lie in said second surface, insulating means between said conductors and screening means positioned between said conductors and extending over substantially the whole distance between said first and second surfaces, substantially completely electrostatically screening said conductors each from the others.

2,100,260
THERMOCOUPLE AMMETER
John H. Miller, Short Hills, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application September 11, 1936, Serial No. 100,372
8 Claims. (Cl. 171—95)



1. In an ammeter for use at high frequencies, the combination with a millivoltmeter and a thermocouple, of a heater element in heat transfer relationship to said thermocouple, said heater element being tubular and having a wall thickness of the order of not more than 0.004 inch.

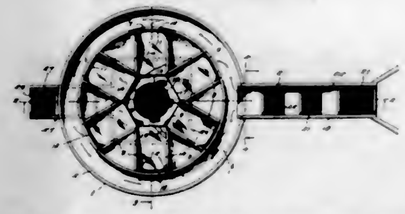
2,100,261
LUGGAGE RACK
Edward Montgomery, Knoxville, Tenn.
Application September 28, 1936, Serial No. 103,007
1 Claim. (Cl. 224—29)



A luggage rack comprising a hanger frame adapted to be attached to the front seat of an automobile to depend from the upper edge thereof, bottom and side panels respectively, the first hinged to the hanger frame and each to the other to extend in angular relation, with the side panel opposed to the hanger frame and forming together with the back of the vehicle seat a trough-like container open at both ends, the hanger frame comprising a pair of end arms connected together at their lower ends by a cross rod, the end arms having upwardly directed ends for attachment to said vehicle seat and adapted to suspend said frame along side the back of said seat, the lower ends of the arms being bent outwardly and being formed with hinge sockets, said bottom panel comprising a pair of end arms pivoted at one end to said sockets and forming together with the latter rule hinges between said bottom panel and said frame, the opposite ends of the bottom panel arms being provided with sockets, said side panel comprising a single piece rod

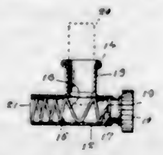
frame comprising an upper cross rod and end arms provided with lower inwardly bent ends pivoted to the last named sockets and forming together with said sockets rule hinges between said side panel and said front panel, and a single piece of upholstery cloth secured at its edges to the cross rod of the hanger frame, to the end rods of the bottom panel, and to the rod-like frame of the side panel, said hinge connections permitting of the bottom panel and side panel unfolding to a limited extent in angular relation to each other and to the hanger frame and permitting the side panel to swing downwardly over the bottom panel and the two panels to be folded on the hanger frame in upstanding position close to the back of said seat.

2,100,262
SLUICE BOX AND AMALGAMATION CONCENTRATOR
Albert Lee Moorhead, Klamath Falls, Ore.
Application February 29, 1936, Serial No. 66,491
5 Claims. (Cl. 209—43)



1. A sluice box structure comprising means forming a circular trough into which gold bearing material is washed, said trough having inner and outer walls and a bottom and said inner wall having a plurality of openings therethrough, a plurality of chutes leading from said openings toward the central part of the circular area defined by the trough, a receiver at the center of said area into which the chutes discharge, and an amalgamation plate forming the bottom for each of said inwardly directed chutes over which the said material passes.

2,100,263
COMBINED ASHTRAY AND SNUFFER
Edward C. Moulton, Newburgh, N. Y.
Application April 28, 1936, Serial No. 76,855
1 Claim. (Cl. 131—51)



The combination of a barrel, a knob rotatably fitting one end of said barrel, a mouth extension rising vertically from the barrel and opening thereinto for accommodating a lighted cigarette, and a coil of wire fitted within said knob and snugly confined within said barrel for rotation therein by the knob and having a spread turn for bridging the communication between the mouth extension and said barrel for the snuffing of the lighted end of said cigarette when said cigarette is protruded through the mouth extension into the barrel and into the path of the spread turn.

2,100,264
TREATMENT OF METALS AND SLAGS
René Perrin, Paris, France, assignor to Société d'Electrochimie, d'Electrometallurgie et des Aciéries Electriques d'Ugine, Paris, France, a corporation of France
Application May 23, 1934, Serial No. 727,177
In Italy July 11, 1932
27 Claims. (Cl. 75—24)

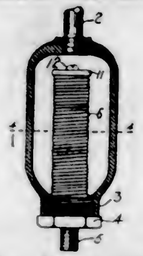


1. A process for regenerating an oxidized slag in a molten condition which consists in violently intermixing said slag with an agent capable of reducing oxides of the oxidized slag so as to bring said slag to a condition of thorough division and mixing with the reducing agent.

2,100,265
PROCESS FOR THE MANUFACTURE OF METAL ALLOYS
René Perrin, Paris, France, assignor to Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
No Drawing. Application July 8, 1936, Serial No. 89,656. In Italy July 11, 1932
22 Claims. (Cl. 75—122)

1. A process for the manufacture of a metal alloy which consists in forming a bath of molten fluid slag containing an oxidic compound of the alloying metal to be introduced into the first recited basis metal, forming a bath of this latter metal in the molten state and intermixing with such violent energy and intimacy the said slag and the said basis metal together with a reducing agent capable of reducing the said oxidic compound of the slag as to cause the slag and the reducing agent to become almost instantaneously dispersed in a finely divided condition into the metal, thereby quickly effecting a reduction of the said oxidic compound of the slag and alloying the metal therefrom with the first recited basis metal and allowing the slag so impoverished in its said oxidic compound to separate from the metal alloy.

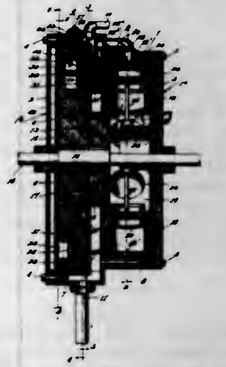
2,100,266
OIL FILTER
Milton H. Perry, Lansing, Mich.
Application September 14, 1936, Serial No. 100,753
1 Claim. (Cl. 210—169)



In a fluid filter, the combination with a cas-

ing having an outlet tube, an inlet tube arranged axially in the casing and provided with perforations, a series of coils of wire arranged around said inlet tube, said coils being placed one within another, the outermost of said coils being formed of wire greatest in thickness, the innermost coils being formed of wire least in thickness in said series, and the said inlet tube having a top provided with a screw engaging the inlet tube for closing the tops of the coils.

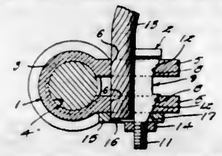
2,100,267
ROTARY COMBUSTION ENGINE
Walter H. Potthast, Manning, Iowa
Application March 17, 1936, Serial No. 69,387
11 Claims. (Cl. 123—14)



4. In a rotary internal combustion engine, a casing, a partition dividing the casing into a rotor chamber and a compressor chamber, a shaft extending through said casing axially of said chambers, a rotor fixed to said shaft and turning in the rotor chamber, said partition being formed with an intermediate chamber communicating with said compressor chamber and closed at one side by said rotor, a compressor in the compressor chamber actuated during rotation of said shaft for successively delivering charges of compressed fuel into the intermediate chamber, said rotor being formed with combustion chambers in its side face opposite from the intermediate chamber and with passages leading from the combustion chambers through the rotor and terminating in position to successively communicate with the intermediate chamber during rotation of the rotor, an opening being formed in a wall of the casing and constituting an exhaust for the combustion chambers, means carried by the rotor for highly recompressing and for forcing fuel from the intermediate chamber through the passages into said combustion chambers, an abutment carried by said casing working in said combustion chambers in succession, and means for exploding fuel in the combustion chambers.

2,100,268
BATTERY TERMINAL POST CLAMP
Frank M. Reynolds, Sanford, Colo.
Application July 7, 1936, Serial No. 89,425
4 Claims. (Cl. 173—259)

3. A battery terminal post clamp comprising a split annulus adapted to receive the post, a pair of spaced arms extending from the annulus upon opposite sides of the division thereof, said arms having cable receiving apertures therethrough and slots each opening into an aperture, each of said slots having an obliquely directed wall at the end opposite from the cable opening, a bolt extending thru said slots and connecting said arms, a pair of cams forming a part of the bolt and



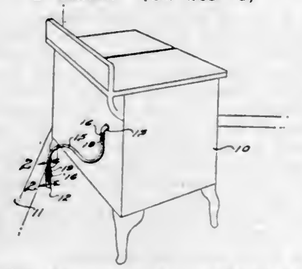
each having sliding engagement with the obliquely directed slot wall, and a nut carried by the bolt, said nut when drawn up upon the bolt effecting the lateral movement of the bolt through the contact of the cams with said oblique walls.

2,100,269
CARD HOLDER
Carroll E. Roche, Cincinnati, Ohio
Application June 10, 1936, Serial No. 84,575
2 Claims. (Cl. 40—16)



2. A card holder, comprising a plate, edges of said plate returned on its intermediate portion and providing recesses for receiving the edges of an identification card, spring clips secured to said plate adjacent opposite sides and within the area of the plate, each of said clips being a tongue of resilient material, secured at one terminal to the plate, and a button on the free end of the tongue providing an enlarged clamping surface, and a marginal flange on said button for engagement by a thumb or finger nail in releasing the clip.

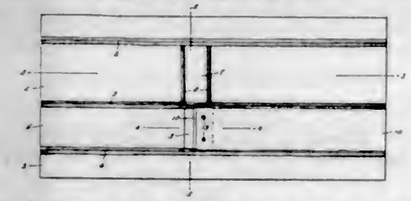
2,100,270
DUCTILE GAS LINE CONNECTER
Joseph C. Romine, Detroit, Mich., assignor to William R. Wilson, Detroit, Mich.
Application July 9, 1937, Serial No. 152,807
1 Claim. (Cl. 285—8)



Means for connecting a household gas stove having a gas inlet line to a gas supply line comprising a solid wall ductile metal tubing having its walls unsupported either externally or internally by auxiliary means extending between the ends of the two lines, and connections releasably but sealingly connecting the ends of the lines to the ends of the tubing, said tubing being of such metal that it may be bent and twisted without damage

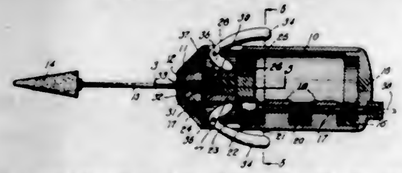
thereto by material cross-sectional deformation and without causing leakage and being of such length that the connections may be made with the stove substantially removed from its final position and then the stove moved to its final position during which the tubing flexes or bends as the ends of the two lines move into positions nearer each other.

2,100,271
CULINARY DEVICE
Rudolph William Rotter, Kent, Wash.
Application December 12, 1936, Serial No. 115,608
3 Claims. (Cl. 146—4)



1. A device as described comprising a sheet metal base, said base having its edges folded under, said base having three lengthwise guides, one of which is a common guide, defining slideways on the face of the base, said slideways having rectangular openings across their lengthened areas, one of the openings having its lengthwise edges projecting upwardly in a converging relation for culinary purposes, and the other having one of its lengthwise edges elevated, and a blade suitably mounted thereon.

2,100,272
ELECTRIC REVERSIBLE TOOTH BRUSH
Guy R. Sawyer, Glover, Vt., assignor of one-half to B. R. Sherburne, Glover, Vt.
Application September 3, 1935, Serial No. 39,000
3 Claims. (Cl. 74—204)



1. In a device of the class described, a casing forming a handle, angular levers pivoted on opposite sides of the handle and each having a long leg exposed exteriorly of the handle and a short leg entering the interior of the handle, a friction wheel mounted to tilt on an axis transverse to the longitudinal axis of the casing and adapted to be rocked by the levers in a selected direction, there being concentric annular surfaces on the friction wheel, a motor driven shaft entering the handle, and a friction pulley on the shaft between said driving surfaces and engageable selectively with said driving surfaces when said angular levers are selectively manipulated.

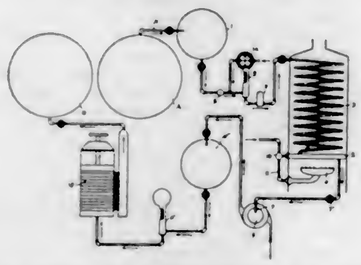
2,100,273
SAFETY SIGNAL FOR LOADED GUNS
Martin Skandera, Mohawk, N. Y.
Application October 12, 1936, Serial No. 105,312
1 Claim. (Cl. 42—1)

In a signal device to indicate that a gun is loaded, the combination of a barrel having a breech, there being a slot formed in the wall of the breech and extending through the outer face of the breech and also extending to the cartridge chamber of the breech said slot also opening through the rear face of the breech, said slot having the front wall sloped rearwardly at approximately a 45 degree angle to the axis of the breech, a signal plate pivoted at one corner in said slot and having a front edge sloped at approximately a 45° angle to the axis of the breech and adapted to bear against said inclined wall of the slot when the plate is rocked outwardly upon its pivot by



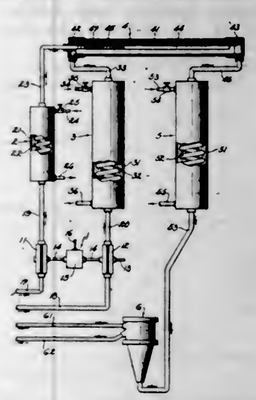
insertion of a cartridge into the breech, a fin on the plate exposed beyond the outer surface of the breech when the plate is moved outwardly by insertion of the cartridge, a spring extending from the sloped front wall of the slot and bearing against the sloped edge of the plate to normally hold the plate projecting into the path of movement of a cartridge being inserted into the breech, and a projection on said fin outside of the breech forming a stop adapted to engage the outer surface of the breech and limiting rocking pivotal movement of the plate under action of the spring.

2,100,274
PROCESS FOR REFINING OILS
Benjamin Clayton, Houston, Tex., Walter B. Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., assignors, by direct and mesne assignments, to Refining, Inc., Reno, Nev., a corporation of Nevada
Application May 2, 1931, Serial No. 534,533
40 Claims. (Cl. 87—12)



3. A process for the purification of vegetable and animal oil containing free fatty acid, comprising continuously feeding in measured quantities separate streams of said oil and an alkali to a mixing zone, continuously advancing said oil and alkali while in intimate physical contact through said mixing zone to effect a thorough admixture thereof, in passing the mixture discharging from the mixing zone as a continuously advancing stream restricted in cross section through a continuous elongated passageway, in raising the temperature of the mixture during its passage through said elongated passageway to a degree sufficient to facilitate its subsequent centrifugal separation, and in subjecting the mixture discharging from said passageway to centrifugal separation to separate the refined oil from resulting sludge and residual solution.

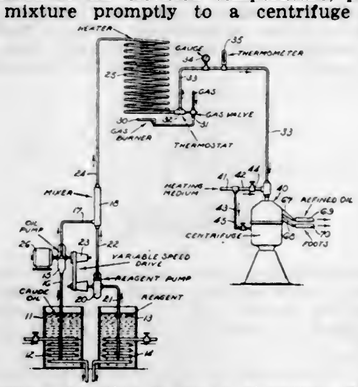
2,100,275
PROCESS OF REFINING GLYCERIDE OILS
Benjamin Clayton, Sugarland, Tex., Walter Barnes Kerrick, Los Angeles, and Henry M. Stadt, Glendale, Calif., and Benjamin H. Thurman, Bronxville, N. Y., assignors, by direct and mesne assignments, to Refining, Inc., Reno, Nev., a corporation of Nevada
Application August 14, 1933, Serial No. 685,130
In England March 25, 1933
23 Claims. (Cl. 87—12)



17. In the purification of glyceride oils containing free fatty acid and color impurities, a quick process comprising mixing small quantities of oil and a saponifying reagent for a brief period to form soap stock, heating the oil to a temperature which will cause the resulting mixture to be at an "emulsion breaking or opposing" temperature in excess of 100° F., prior to mixing the same with said saponifying reagent, whereby to rapidly condition the mixture of oil and soap stock for the step of centrifugally separating the soap stock from the oil, providing sufficient time for the soap stock to agglomerate with color impurities after the materials are contacted and during the passage of the mixture to the centrifugal separator and promptly subjecting the mixture to centrifugal separation for the separation of the soap stock and the agglomerated color impurities from the oil.

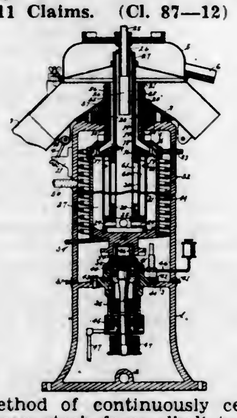
2,100,276
PROCESS OF REFINING GLYCERIDE TYPE OILS
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application July 9, 1935, Serial No. 30,573
Renewed September 20, 1937
13 Claims. (Cl. 87—12)

1. A continuous process of refining glyceride type oil which comprises mixing an alkaline reagent with said oil to effect neutralization of the free fatty acids contained in the oil, continuously advancing the mixture through a zone where the heavier constituents are kept in dispersion in the oil and the remaining caustic acts upon the color to produce a proper bleach, maintaining the temperature of the mixture while passing through said zone to a relatively low degree and maintaining the mixture in said zone for a time sufficiently short to avoid excessive refining losses during the travel of said mixture but relatively long with respect to the time the mixture is later subjected to an elevated temperature, passing the mixture promptly to a centrifuge while



abruptly subjecting it to an elevation of temperature during centrifugal separation.

2,100,277
PROCESS FOR REFINING GLYCERIDE OIL
Benjamin Clayton, Houston, Tex., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application August 1, 1935, Serial No. 34,258. Renewed September 20, 1937. In Canada December 21, 1935
11 Claims. (Cl. 87—12)

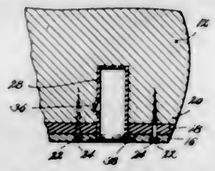


1. The method of continuously centrifugally separating soap stock from alkali treated glyceride oils, which comprises separating the soap stock from said oil by centrifugal force in a rotating centrifugal bowl, and discharging the oil and soap stock separately therefrom, applying heat to the material undergoing separation in an amount sufficient to maintain the temperature of the soap stock being discharged from the centrifugal from 120° F. to at least as high as 160 F., while preventing a substantial increase in the temperature of the oil during separation.

2,100,278
REINFORCED LAST FOR BOOTS AND SHOES
Walter P. Field, Brockton, Mass., assignor to Florence F. Field, Brockton, Mass., doing business as W. & F. F. Field Company
Application July 29, 1936, Serial No. 93,163
6 Claims. (Cl. 12—139)

1. A wooden last for boots or shoes having its comb portion provided with a protective cushion

comprising an outer layer of fibrous non-compressible material and an inner layer of relatively hard yet permanently resilient material, said cushion being fastened to said comb portion by a plurality of drive screws having threaded



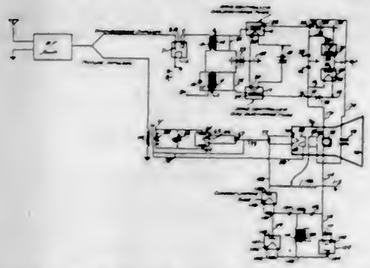
ends embedded in said comb portion and having smooth shank portions within said cushion for permitting compression of said cushion without disturbing the fastening of said screws in said comb.

2,100,279

TELEVISION SYSTEM

Roscoe H. George and Howard J. Heim, La Fayette, Ind., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application September 2, 1931, Serial No. 560,798
14 Claims. (Cl. 178—7.5)



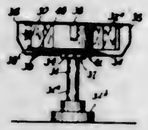
1. In a television receiver adapted to have impressed thereon two series of synchronizing impulses, scanning means comprising two transformers, the primaries thereof being in series with each other, means for rendering one of said transformers responsive to both series of synchronizing impulses, means for rendering the other transformer responsive to only one series of synchronizing impulses, damping means associated with each of said transformer secondaries and means including a grid controlled gaseous discharge device associated with each of said transformer secondaries for utilizing said synchronizing impulses for scanning purposes.

2,100,280

ROTARY GAME TABLE

Oscar Goldberger, New York, N. Y., assignor to Rotor-Table Games, Inc., New York, N. Y.

Application April 16, 1935, Serial No. 16,547
3 Claims. (Cl. 273—136)



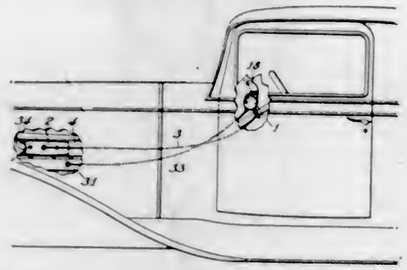
1. In a rotary game table, a table top, a game device rotatably mounted beneath said table top, a fixedly mounted plate with an edge portion having peripheral apertures, means on said game device for engaging said apertures to hold said game device in fixed positions, and several strips of material having one of their ends attached to the underside of said plate and extending upward and supporting said table top.

2,100,281

MOTOR VEHICLE TEMPERATURE MODIFIER

Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application May 29, 1933, Serial No. 673,552
20 Claims. (Cl. 237—12.3)



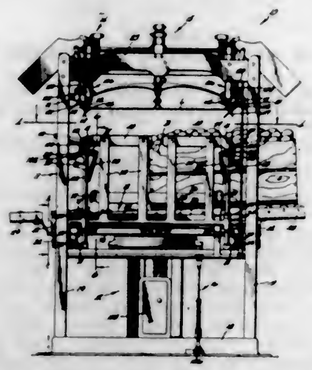
3. A temperature regulating unit for motor vehicles comprising a pair of complemental casing sections forming a pump chamber, one casing section carrying a radiator and the second casing section carrying a motor, pump means within the pump chamber and operable by said motor for creating a flow of air over the radiator, and means for securing the casing sections together, said pump means being enclosed by said complemental sections and said pump chamber separating said motor from said radiator.

2,100,282

TUCKING MECHANISM

Dana E. Keech, Glendale, Calif., assignor, by mesne assignments, to Food Machinery Corporation, a corporation of Delaware

Application February 12, 1934, Serial No. 710,845
22 Claims. (Cl. 1—10)



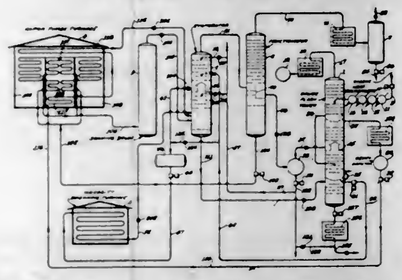
1. In a machine for pressing covers on overfilled boxes the combination of: cover pressing mechanism; a stop for stopping a box in place in said machine; means for moving overflow portions of the contents of said box inward; and means for actuating said overflow moving means in response to said stop being engaged by a box.

2,100,283

PROCESS OF TREATING HYDROCARBON OIL

Percival C. Keith, Jr., Port Washington, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application June 16, 1933, Serial No. 676,127
11 Claims. (Cl. 196—48)



1. The process of treating hydrocarbon oil which comprises introducing relatively heavy oil comprising residual constituents and lighter constituents into a stripping zone wherein said oil is separated into vapors and a liquid residue, removing said residue from said stripping zone and passing residue so removed through a first cracking zone wherein it is raised to a cracking temperature and subjected to conversion while passing in a stream of restricted cross-sectional area through a heating zone, introducing the resulting cracked products into an evaporating zone wherein vapors separate from liquid residue, fractionating vapors evolved from said oil in said stripping zone to form a condensate suitable for use as clean cracking stock, passing condensate so derived through a second cracking zone wherein it is raised to a cracking temperature and subjected to conversion while passing in a stream of restricted cross-sectional area through a heating zone, introducing the resulting cracked products into said evaporating zone to be in admixture therein with the products from said first-mentioned cracking zone, removing liquid residue from said evaporating zone, reducing the pressure on the residue so removed to cause partial vaporization thereof, passing resulting vapors upwardly through said stripping zone to aid in heating and distilling the said heavy oil introduced thereinto, while preventing the mixture with the stock passing through said first and second cracking zones of undistilled portions of said residue last-mentioned, and fractionating vapors separated in said evaporating zone to form a final desired light product.

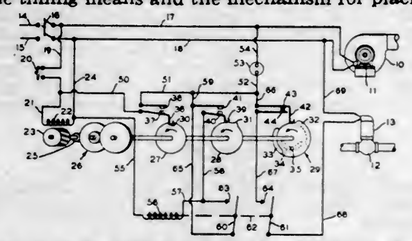
2,100,284

TIME CONTROL SYSTEM

John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application November 16, 1934, Serial No. 753,314
21 Claims. (Cl. 34—19)

1. In a system of the character described, a device to be operated following the lapse of a substantial time interval, timing means, mechanism placed in operation by the timing means to start a timing cycle, and means controlled by the timing means and the mechanism for placing



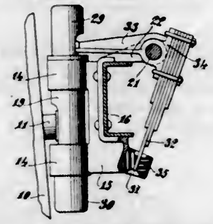
the device in operation a substantial time after the starting of the timing cycle.

2,100,285

INDEPENDENTLY SPRUNG FRONT WHEEL

Philip E. Matthews, Plainfield, N. J., assignor to Mack Manufacturing Corporation, a corporation of Delaware

Application December 12, 1934, Serial No. 757,089
6 Claims. (Cl. 267—57)



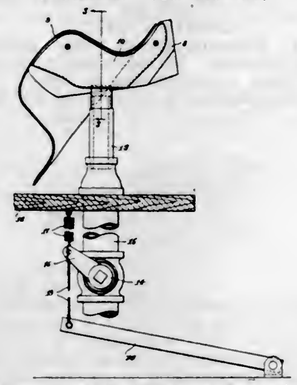
1. An independent wheel mounting comprising a vehicle frame, means to mount a wheel on the frame with provision for vertical movement thereof with respect to the frame, an arm movable with respect to the frame, a torsion spring anchored to the arm, yielding non-metallic means to secure the spring to the frame, and a thrust bearing on the end of the arm engaging the wheel mounting means.

2,100,286

CLEANING METHOD AND APPARATUS

George W. Allen, Hyde Park, Boston, and Joseph S. Farwell, Brookline, Mass., assignors to B. F. Sturtevant Company, Inc., Hyde Park, Boston, Mass.

Application October 26, 1934, Serial No. 750,178
4 Claims. (Cl. 223—23)



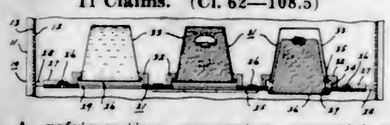
1. The method of cleaning a hat which comprises rotating the hat, sweeping during one com-

plete revolution of the hat, the entire underside of both the crown and brim of the hat with a concentrated suction force in a narrow band applied simultaneously to said crown and brim, and preventing deformation of the hat during the cleaning thereof by supporting during said rotation a substantial portion of the crown and brim of said hat adjacent said band of suction.

2,100,287
MOTOR FUEL
Victor Conquest, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 29, 1936, Serial No. 88,064
4 Claims. (Cl. 44—9)

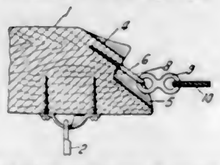
1. A hydrocarbon motor fuel of the gasoline or kerosene type, said fuel containing a small amount of an aralkyl ketone the aryl radical of which is chosen from the group consisting of unsubstituted phenyl, tolyl and xylyl, and the alkyl group is a straight-chain unsubstituted alkyl radical containing at least eight carbon atoms.

2,100,288
REFRIGERATING APPARATUS
Elmer L. Horlacher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1936, Serial No. 87,756
11 Claims. (Cl. 62—108.5)



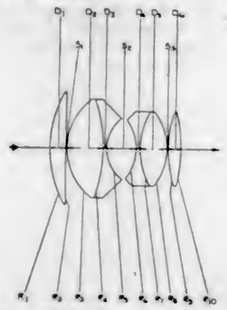
1. A refrigerating apparatus comprising in combination, a cooling element, a support on said cooling element, a device supported on said support and provided with a mold having an open bottom and adapted to contain a liquid to be frozen, means for closing the open bottom of said mold to seal a liquid therein, said support having an opening beneath the bottom of said mold, said closure means being movable relative to said mold through the opening in said support, and the liquid within said mold upon freezing and expanding therein being released therefrom and moving said closure means to thereby fall through the opening in said support.

2,100,289
CASTING BAIT
Herman F. Khoenle, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application March 24, 1936, Serial No. 70,626
6 Claims. (Cl. 43—46)



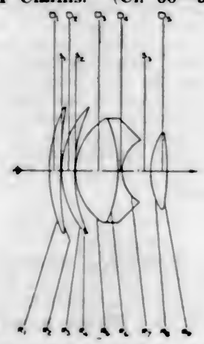
1. An artificial bait for use in trolling or "popping" comprising a bait body the forward end of which is formed with a plurality of downwardly and forwardly inclined surfaces, separated by an undercut notch extending across the end of the bait, the said surfaces being concaved transversely of the body.

2,100,290
LENS
Horace William Lee, Chiswick, England, assignor to Kapella Limited, Leicester, England, a corporation of England
Application June 8, 1935, Serial No. 25,563. Renewed May 6, 1937. In Great Britain June 15, 1934
4 Claims. (Cl. 88—57)



1. A lens comprising four separate components of which the two exterior ones are collective and the two interior ones are dispersive menisci and have their concave exterior surfaces facing one another, the outer convex surfaces having radii of curvature at their vertices not less than 0.45 the focal length of the system, the front dispersive component having its exterior concave surface of radius of curvature not less than one-fourth and the rear dispersive component having its exterior concave surface of radius not less than one-third, the focal length of the system, and in which at least one of the exterior surfaces of the components is substantially conicoidal as to its peripheral zone over a width not less than one-tenth the diameter of the surface at any point in its periphery.

2,100,291
LENS
Horace William Lee, Leicester, England, assignor to Kapella Limited, Leicester, England, a corporation of England
Application July 18, 1935, Serial No. 32,047
In Great Britain July 18, 1934
4 Claims. (Cl. 88—57)



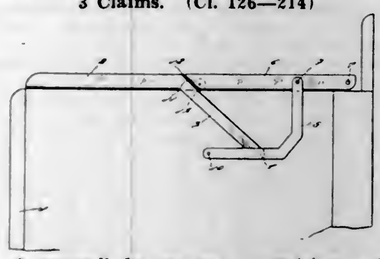
1. A substantially corrected photographic lens comprising in order from the front to the rear a meniscus type collective member with the convex surface towards the incident light, a compound dispersive member including a front collective element and a rear dispersive element and a collective member, said dispersive member having a convex face towards the incident light, and a concave face on the opposite side, all of said members being air-spaced in axial alignment, the power of the collective members being greater than that of the dispersive member to make the lens system as a whole collective, the marginal part of one glass-air surface of one member having a curvature substantially that of one of the conic sections and of a magnitude such that the member having this non-spherical surface contains less glass than it would have if such surface had the same curvature throughout as it had at the axis of the lens to reduce zonal spherical aberration.

2,100,292
BURNER FORMING GRID
Frank H. Schneider, Royersford, Pa., assignor to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application July 17, 1936, Serial No. 91,043
3 Claims. (Cl. 126—39)



1. A burner in the form of an integral casting having at its outer portion an endless fuel passage with combined grid and burner members projecting inwardly from and communicating with said passage, and terminating in proximity to the central portion of the burner, said members forming the utensil supporting means and having burner ports at opposite sides.

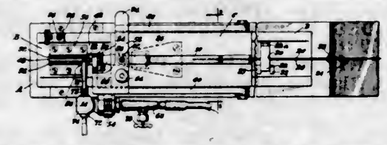
2,100,293
COVERALL FOR RANGES
Walter D. Teague, Jr., Kew Gardens, N. Y., assignor to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application December 10, 1936, Serial No. 115,158
3 Claims. (Cl. 126—214)



1. A coverall for ranges, comprising a front cover section having a fixed pivot, a rear cover section having a fixed pivot, and means connecting said covers to cause them to move in unison and into alignment in closed position and to position the front cover section in front of the rear cover section when the coverall is in raised position.

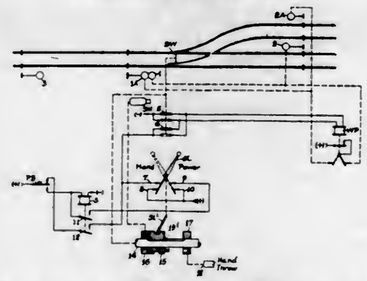
2,100,294
METHOD AND MACHINE FOR PRODUCING BRAZED SEAMS IN WIRE CLOTH
Nelson W. Webb, Belleville, N. J., assignor to Eastwood-Nealy Corporation, Belleville, N. J., a corporation of New Jersey
Application June 13, 1935, Serial No. 26,446
Renewed May 5, 1937
28 Claims. (Cl. 113—59)

1. A portable brazing machine for brazing wire-cloth edges comprising in combination a base part, an upper part on the base part, said upper part and said base part slidably receiving between them the thickness of the wire-cloth, the base part having a bottom suitable for supporting the machine upright for free movement in any direction on a table, a cloth-edge guide extending lengthwise of the machine at the division between



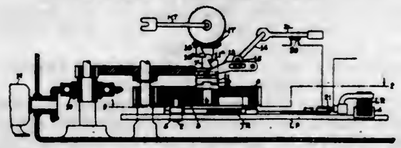
its base part and upper part, means for translating said base and upper parts as a unit along a supporting table and slidingly across the interposed cloth-ends whose edges project toward each other against the sides of the cloth-edge guide, and brazing means carried by the machine operative on the edges of the cloth beyond one end of the guide.

2,100,295
SIGNALING SYSTEM FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 14, 1934, Serial No. 735,267
8 Claims. (Cl. 246—220)



1. In a signaling system for railroads, a track switch, a switch machine, dual control means conditioning the switch to be moved and locked by power or by hand, signals governing traffic over the switch, and manually operable means at the switch operable for clearing of the signals while said switch machine is in condition for hand operation due to the position of the dual control means.

2,100,296
SWITCH MACHINE FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 19, 1935, Serial No. 2,563
9 Claims. (Cl. 246—240)



1. In a power operated switch machine having a throw rod and a locking plunger which are operated in succession by the rotation of a main shaft to different extents, manually operable

means for rotating said shaft to one extent, another manually operable means for rotating said shaft to a different extent, for operating either the throw rod alone or both the throw rod and locking plunger.

2,100,297

SOLUBILIZED HIGHER ALIPHATIC SULPHIDES AND PROCESS FOR THEIR PRODUCTION

Alfred William Baldwin and Henry Alfred Piggott, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 27, 1935, Serial No. 8,553. In Great Britain March 12, 1934

14 Claims. (Cl. 260—99.12)

3. The process of making compounds having the general formula

$$A—S—R(SO_4M)_{1 \text{ or } 2}$$

in which A represents an alkyl group having a chain containing eight or more carbon atoms, R represents an aliphatic hydrocarbon group, and M represents hydrogen or an alkali metal, which comprises sulphating compounds having the general formula $A—S—R(OH)_{1 \text{ or } 2}$.

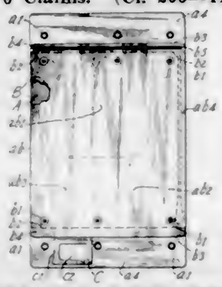
2,100,298

POUCH

William Edwards Baxter, Floyd County, Ind.

Application July 30, 1935, Serial No. 33,877

6 Claims. (Cl. 206—41)



1. A pouch having a backing member, a second member of shorter length than said backing member positioned on and secured to said backing member in such a manner that an end of said backing member projects, forming a flap, an end of said second member near said flap being turned over to form a sheath along an edge thereof and a stiffening member in said sheath, whereby when said flap is turned over to close the pouch said stiffening member aids in preventing leakage of the contents.

2,100,299

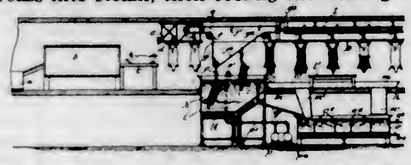
TREATMENT OF HOG CARCASSES

Frederick M. Tobin, Rochester, N. Y., assignor to The Tobin Packing Co., Inc., Fort Dodge, Iowa, a corporation of Iowa

Application May 6, 1937, Serial No. 141,031

8 Claims. (Cl. 17—45)

1. That improvement in the treatment of a hog carcass which comprises first applying an appreciable amount of moisture to the carcass, then substantially immediately thereafter dipping the moistened carcass in a molten, readily congealable, adhesive liquid for a sufficient length of time to form a substantially complete seal-like coating therearound and at a sufficient temperature to change the moisture on and in the skin of the carcass into steam, then cooling the coating to a



plastic state, and finally removing the plastic coating from the carcass so as to release the matter loosened from the skin by the steam and also remove the hair embedded in the coating.

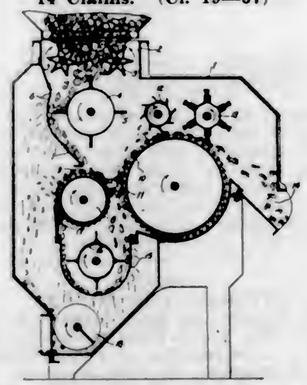
2,100,300

COTTON CLEANING AND RECLAIMING MACHINE

John E. Mitchell, Dallas, Tex.

Application May 14, 1936, Serial No. 79,647

14 Claims. (Cl. 19—37)



1. A cotton cleaning machine comprising, in combination, a rotatable extracting saw cylinder for receiving mixed cotton and hulls fed into the machine, a reclaiming saw cylinder for recovering any cotton escaping with hulls past the extracting cylinder and mounted to rotate in the same direction as the extracting cylinder at a distance therefrom, and means for projecting a stream of the mixed cotton and hulls over and in contact with one side of the reclaiming saw cylinder and toward the extracting cylinder to thereby doff any recovered cotton from the reclaiming cylinder and deliver it, along with the mixed cotton and hulls, to the extracting cylinder.

2,100,301

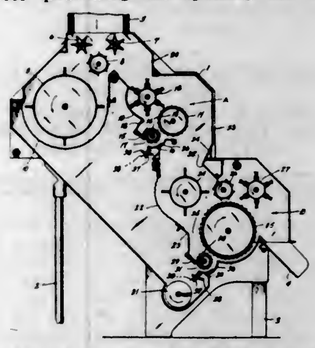
SELF-CONTAINED BOLL COTTON EXTRACTING MACHINE

John E. Mitchell, Dallas, Tex.

Application May 18, 1936, Serial No. 80,239

12 Claims. (Cl. 19—35)

1. In a multi-unit extracting machine for making a plurality of separations of hulls and hull particles from a regulated stream of mixed cotton and hulls fed into the machine, an upper extracting unit having an extracting cylinder and providing an opening of a size to permit the free escape past the cylinder of a portion of the hulls and of lock cotton not engaged by the same, the remaining cotton and hulls being carried up by the extracting cylinder and delivered to a lower unit, a reclaiming cylinder co-operating with said extracting cylinder and functioning to recover cotton locks from the hulls escaping past the extracting cylinder and to discharge the hulls from the machine, a lower extracting unit receiving the cotton and remaining hulls removed from the stream in the first unit by the extracting cylinder thereof, an extracting cylinder in said lower unit, the latter providing an opening for the free



escape past its cylinder of hulls and lock cotton not engaged thereby, a separate reclaiming cylinder co-operating with the lower extracting cylinder to recover cotton locks from the remaining hulls escaping past said latter extracting cylinder, and means for delivering the cotton and hulls entering the lower unit from the upper unit to the rising side of the lower extracting cylinder.

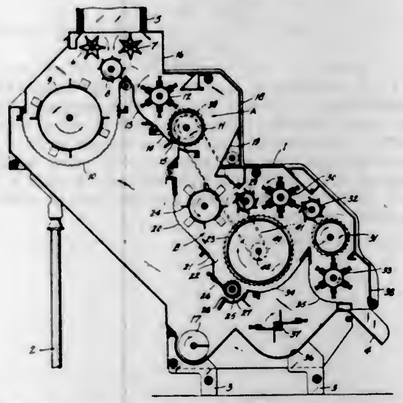
2,100,302

SELF-CONTAINED BOLL COTTON EXTRACTING MACHINE

John E. Mitchell, Dallas, Tex.

Application May 18, 1936, Serial No. 80,240

11 Claims. (Cl. 19—35)



5. In a multi-unit cotton extracting machine, an upper unit having an extracting cylinder and co-operating hull-discharge means for effecting the escape from the unit and the discharge from the machine of free hulls from a mixture of cotton and hulls fed into the unit, and the delivery of the cotton and remaining hulls to a lower unit, an extracting cylinder in said lower unit, a kicker roll co-operating with the latter extracting cylinder, and a reclaiming cylinder for recovering locks of cotton escaping with the hulls past the lifting side of said latter extracting cylinder.

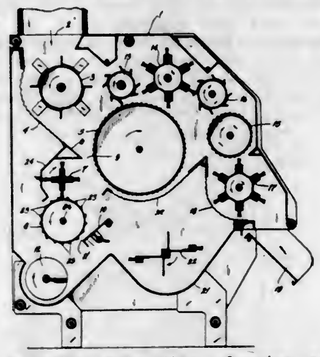
2,100,303

COTTON CLEANING AND RECLAIMING MACHINE

John E. Mitchell, Dallas, Tex.

Application May 18, 1936, Serial No. 80,241

12 Claims. (Cl. 19—37)



1. In a cotton extracting, cleaning and reclaiming machine, in combination with an extracting cylinder adapted to receive a mixed stream of cotton and hulls directed against its rising side and having a kicker roll cooperating therewith, a reclaiming cylinder rotating in an opposite direction to the extracting cylinder for recovering cotton from cotton and hulls escaping past the latter, positioned to receive said escaping cotton and hulls on its rising side and provided with a hull board facing its rising side, the lower edge of which defines, with the side of the reclaiming cylinder the size of a space past the latter for the escape of hulls, and the top of said hull board being positioned at such distance from the reclaiming cylinder as to prevent cotton from being thrown over it by the reclaiming cylinder, but being close enough to said cylinder to permit the teeth thereof by impact to throw over said top hulls, flared bolls, and the like, that are too large to escape through the space past the lower edge of the hull board.

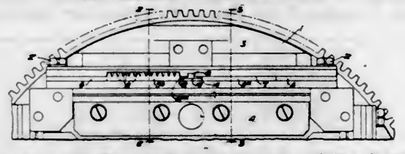
2,100,304

TYPOGRAPHICAL MOLD AND SLUG

Edward M. Righter, Lincoln, Nebr., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application June 5, 1937, Serial No. 146,665

25 Claims. (Cl. 199—57)



1. A mold for a slug casting machine having non-adjacent longitudinal casting slots of different heights and a communicating passage between the slots of less height than either of said slots.

2,100,305

TYPOGRAPHICAL MACHINE

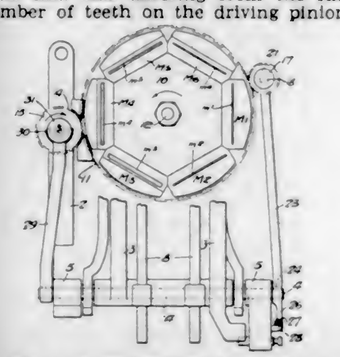
Samuel E. Sperry, Hollis, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application October 21, 1936, Serial No. 106,910

8 Claims. (Cl. 271—48)

1. In a typographical machine having a toothed rotatable mold disk carrying a plurality

of slug casting molds and a driving pinion movable into and out of mesh with said disk and cooperative with said disk when in mesh therewith for rotating it to bring a mold in position thereon for use into slug casting and ejecting positions, a mold selecting pinion having a number of teeth thereon of a ratio to the number of teeth on said disk differing from the ratio of the number of teeth on the driving pinion and



on the disk and corresponding with the number of molds on the disk, said mold selecting pinion being normally disengaged from the disk but movable into engagement therewith to rotate said disk and thereby bring another mold thereon into position for use, and means operative upon such engagement of the mold selecting pinion with the disk to disengage the driving pinion therefrom.

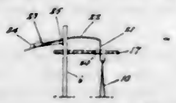
2,100,306

FILAMENT SUPPORT FOR RADIO TUBES AND THE LIKE

Henry J. McCarthy, Danvers, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application September 28, 1936, Serial No. 102,872

14 Claims. (Cl. 250—27.5)



1. A resilient support for a filament comprising a spring member having a hook portion to engage a filament bight and a shank portion, and a support for the spring member said support including a frame-like member having a pair of spaced arms and mounted so that part of the length of the shank engages the upper face of one arm of the frame-like member and another part of the length engages the lower face of the other arm of the frame-like member, the points of engagement between said shank and said arms being at different parts of said shank.

2,100,307

HOLLOW METAL SHAFT AND MANUFACTURE OF SAME

Wiley W. McMinn, Orange, N. J.

Application February 20, 1936, Serial No. 64,816

11 Claims. (Cl. 29—156)



1. The method of making a hollow metal shaft structure which consists in winding a strip of metal of substantially uniform width and thickness into a series of contiguous spiral convolutions having a continuous spiral seam therebetween, sealing said seam to produce an integral tubular spiral wound blank and thereafter reducing the diameter of said blank along certain portions thereof to provide a finished shaft structure having different wall thicknesses at different places longitudinally of its length.

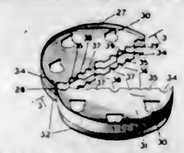
2,100,308

ELECTRON DISCHARGE DEVICE

Carl F. Miller, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application November 2, 1935, Serial No. 47,922

11 Claims. (Cl. 250—27.5)



11. A combined spacer-shield for radio tubes comprising a cup-like metal member formed with two separable halves, an insulator member formed with two separable halves and seated within said cup-like member, and another insulator member formed with two separable halves, all said members being provided with aligned sets of notches in their opposed edges.

DESIGNS

NOVEMBER 23, 1937

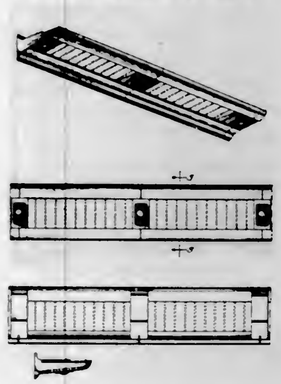
107,062

DESIGN FOR A COMBINED SECTIONAL LUGGAGE RACK AND LIGHTING FIXTURE UNITS

Albert L. Arenberg, Highland Park, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois

Application February 13, 1937, Serial No. 67,632

Term of patent 14 years



The ornamental design for a combined sectional luggage rack and lighting fixture units, substantially as shown.

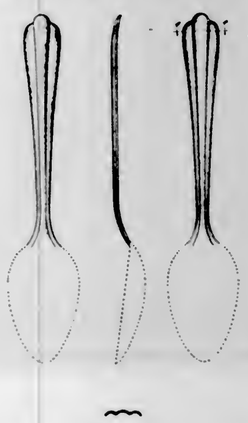
107,063

DESIGN FOR A SPOON OR OTHER SIMILAR ARTICLE

Milton Bernstein, Brooklyn, N. Y., assignor to National Silver Company, New York, N. Y.

Application July 22, 1937, Serial No. 70,580

Term of patent 7 years



The ornamental design for a spoon or other similar article as shown and described.

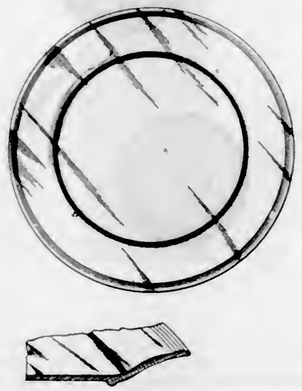
107,064

DESIGN FOR A PLATE OR SIMILAR ARTICLE

Vincent Broomhall, East Liverpool, Ohio, assignor to The Edwin M. Knowles China Company, East Liverpool, Ohio, a corporation of West Virginia

Application October 4, 1937, Serial No. 71,955

Term of patent 3½ years



The ornamental design for a plate or similar article as shown.

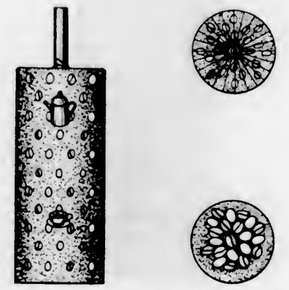
107,065

DESIGN FOR A COFFEE BAG OR SIMILAR ARTICLE

Ernest Carabillo, Brooklyn, N. Y.

Application August 14, 1937, Serial No. 71,078

Term of patent 7 years



The ornamental design for a coffee bag or similar article, substantially as shown and described.

107,066
DESIGN FOR A GOLF BALL OR THE LIKE
Frank H. Cavignac, New York, N. Y., assignor to Mervin P. Doughty, Lawrence, N. Y.
Application April 5, 1937, Serial No. 68,571
Term of patent 14 years



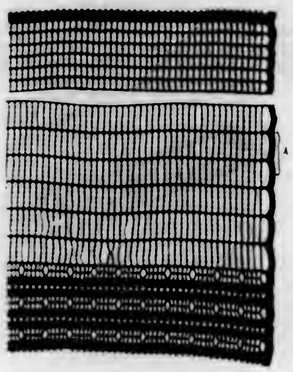
The ornamental design for a golf ball or the like as shown.

107,067
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Andrew J. Cunningham, Snyder, N. Y.
Application June 30, 1937, Serial No. 70,147
Term of patent 7 years



The ornamental design for a goblet or similar article as shown.

107,068
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,188
Term of patent 3½ years



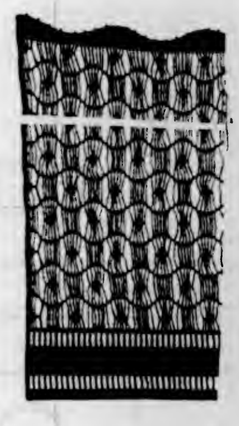
The ornamental design for a curtain substantially as shown and described.

107,069
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,189
Term of patent 3½ years



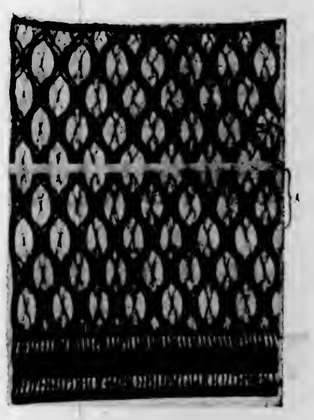
The ornamental design for a curtain substantially as shown and described.

107,070
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,190
Term of patent 3½ years



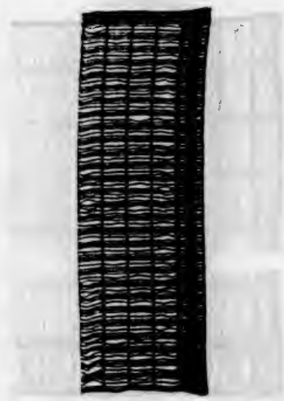
The ornamental design for a curtain substantially as shown and described.

107,071
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,191
Term of patent 3½ years



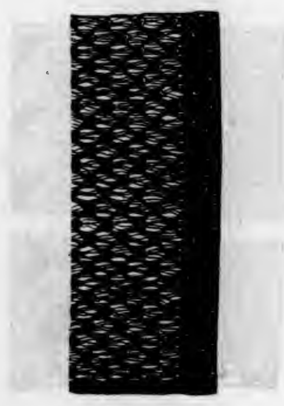
The ornamental design for a curtain substantially as shown and described.

107,072
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,192
Term of patent 3½ years



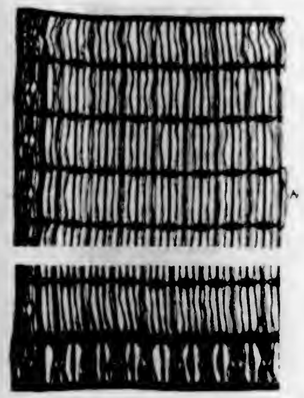
The ornamental design for a curtain substantially as shown and described.

107,073
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,193
Term of patent 3½ years



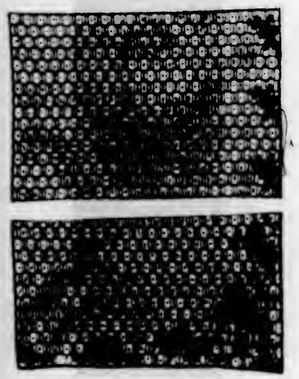
The ornamental design for a curtain substantially as shown and described.

107,074
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,194
Term of patent 3½ years



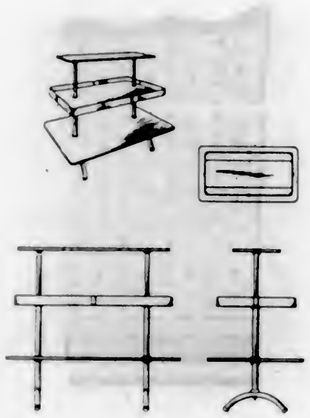
The ornamental design for a curtain substantially as shown and described.

107,075
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,195
Term of patent 3½ years



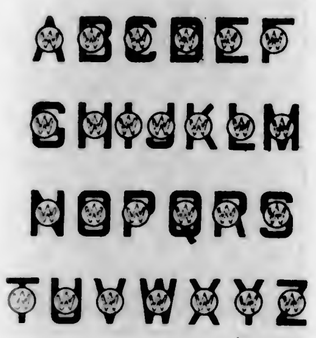
The ornamental design for a curtain substantially as shown and described.

107,076
DESIGN FOR A DISPLAY RACK FOR BREAD OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Incorporated, Des Moines, Iowa, a corporation of Iowa
Application September 8, 1936, Serial No. 64,754
Term of patent 7 years



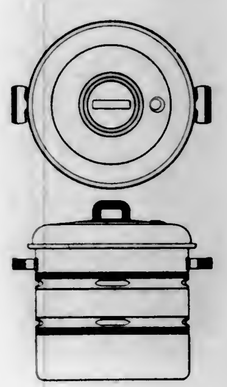
The ornamental design for a display rack for bread or similar article substantially as shown.

107,077
DESIGN FOR A FONT OF TYPE
Helen Converse Gatchell and William C. Hollister, Chicago, Ill.
Application November 12, 1936, Serial No. 65,868
Term of patent 7 years



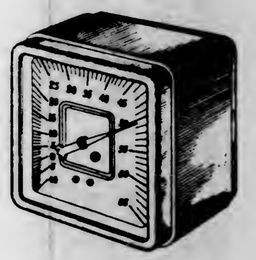
The ornamental design for a font of type as shown and described.

107,078
DESIGN FOR A COOKING POT OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn.
Application September 4, 1937, Serial No. 71,476
Term of patent 3½ years



The ornamental design for a cooking pot or similar article as shown.

107,079
DESIGN FOR A TEMPERATURE INDICATOR OR SIMILAR ARTICLE
Reynold T. Hedfield and Hans Seegers, Chicago, Ill., assignors to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois
Application August 30, 1937, Serial No. 71,390
Term of patent 14 years



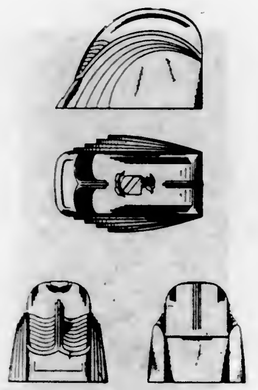
The ornamental design for a temperature indicator or similar article substantially as shown, and described.

107,080
DESIGN FOR A LAMP BASE
Curtis B. Ilgenfritz, York, Pa.
Application July 28, 1937, Serial No. 70,703
Term of patent 7 years



The ornamental design for a lamp base as shown and described.

107,081
DESIGN FOR A JEWELRY BOX
Irwin H. Jellinek, Buffalo, N. Y., assignor to Buffalo Jewelry Case Co. Inc., Buffalo, N. Y., a corporation of New York
Application October 7, 1937, Serial No. 72,035
Term of patent 3½ years



The ornamental design for a jewelry box, substantially as shown.

107,082
DESIGN FOR A JAR
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 22, 1937, Serial No. 71,723
Term of patent 14 years



The ornamental design for a jar substantially as shown and described.

107,083
DESIGN FOR A RUG
George E. Mallinson, Amityville, N. Y.
Application October 15, 1937, Serial No. 72,196
Term of patent 3½ years



The ornamental design for a rug substantially as shown.

107,084
DESIGN FOR A RUG
George E. Mallinson, Amityville, N. Y.
Application October 15, 1937, Serial No. 72,197
Term of patent 3½ years



The ornamental design for a rug substantially as shown.

107,085
DESIGN FOR A RUG
George E. Mallinson, Amityville, N. Y.
Application October 15, 1937, Serial No. 72,198
Term of patent 3½ years



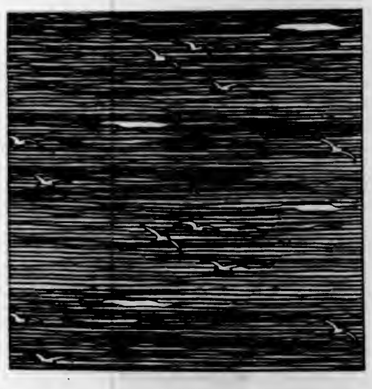
The ornamental design for a rug substantially as shown.

107,086
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application October 11, 1937, Serial No. 72,118
Term of patent 14 years



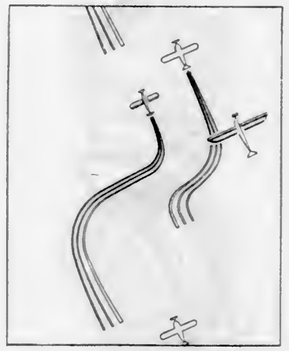
The ornamental design for a knitted fabric substantially as shown.

107,087
DESIGN FOR WALLPAPER OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,067
Term of patent 7 years



The ornamental design for wallpaper or similar article, as shown.

107,088
DESIGN FOR WALLPAPER OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,068
Term of patent 7 years



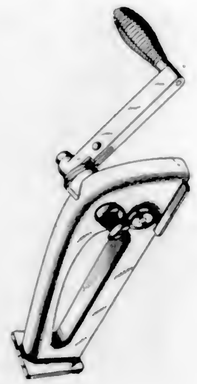
The ornamental design for wallpaper or similar article, as shown.

107,089
DESIGN FOR WALLPAPER OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,069
Term of patent 7 years



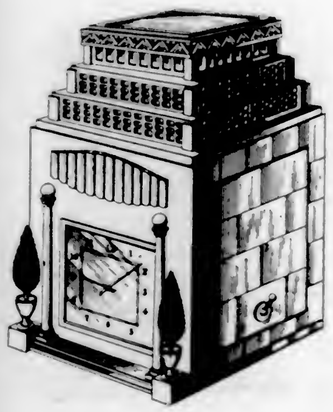
The ornamental design for wallpaper or similar article, as shown.

107,090
DESIGN FOR A CAN OPENER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,070
Term of patent 7 years



The ornamental design for a can opener, as shown.

107,091
DESIGN FOR A CLOCK
James J. Paris, George J. Paris, and Andrew J. Paris, Detroit, Mich.
Application September 25, 1936, Serial No. 65,014
Term of patent 14 years



The ornamental design for a clock, as shown and described.

107,092
DESIGN FOR A COMBINED BEVERAGE COOLING AND DISPENSING CABINET
Harry W. Ribble, Niles Center, Ill., assignor, by mesne assignments, to Rapids Equipment Co. Inc., Cedar Rapids, Iowa, a corporation of Iowa
Application July 10, 1937, Serial No. 70,359
Term of patent 14 years



The ornamental design for a combined beverage cooling and dispensing cabinet, as shown and described.

107,093
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application June 30, 1937, Serial No. 70,176
Term of patent 7 years



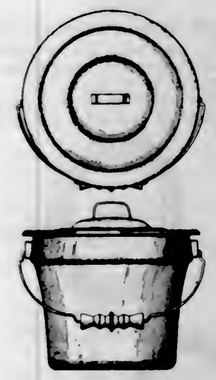
The ornamental design for a combinet, as shown.

107,094
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application June 30, 1937, Serial No. 70,178
Term of patent 7 years



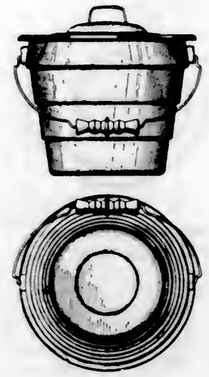
The ornamental design for a combinet as shown.

107,095
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application June 30, 1937, Serial No. 70,179
Term of patent 7 years



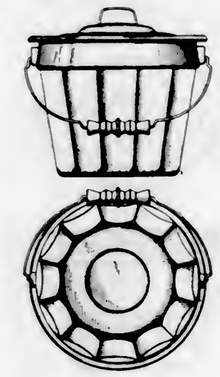
The ornamental design for a combinet, as shown.

107,096
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application June 30, 1937, Serial No. 70,180
Term of patent 7 years



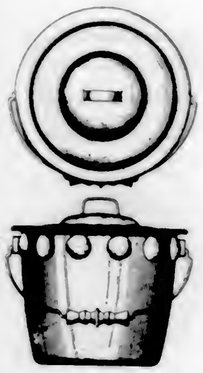
The ornamental design for a combinet, as shown.

107,097
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application June 30, 1937, Serial No. 70,181
Term of patent 7 years



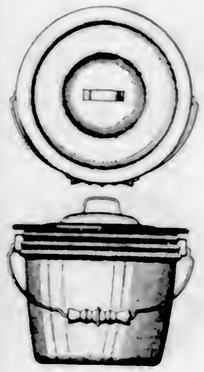
The ornamental design for a combinet, as shown.

107,098
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application July 22, 1937, Serial No. 70,579
Term of patent 7 years



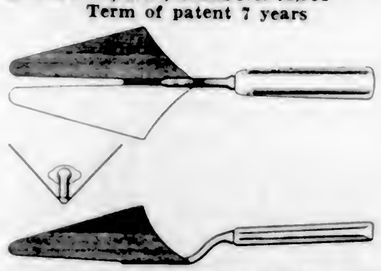
The ornamental design for a combinet, as shown.

107,099
DESIGN FOR A COMBINET
John Gordon Rideout, Cleveland, Ohio, assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application July 26, 1937, Serial No. 70,628
Term of patent 7 years



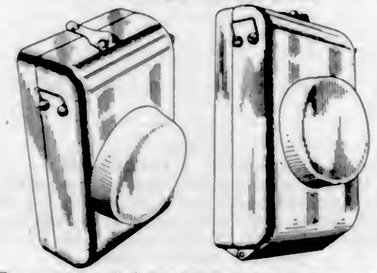
The ornamental design for a combinet, as shown.

107,100
DESIGN FOR A CAKE SERVER OR SIMILAR ARTICLE
Harry Rietveld, Milwaukee, Wis.
Substituted for abandoned application Serial No. D-65,421, October 22, 1936. This application September 10, 1937, Serial No. 71,561
Term of patent 7 years



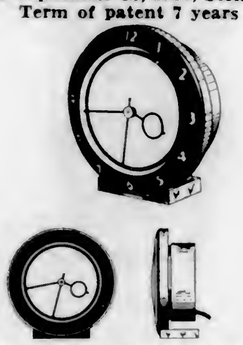
The ornamental design for a cake server or similar article as shown.

107,101
DESIGN FOR A CARRYING CASE FOR A CAMERA
Robert Sanborn, Muskegon, Mich.
Application November 16, 1936, Serial No. 65,924
Term of patent 3½ years



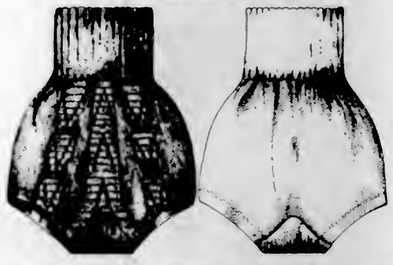
The ornamental design for a carrying case for a camera, as shown and described.

107,102
DESIGN FOR A CLOCK CASE
Max Schlenker, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application September 30, 1937, Serial No. 71,869
Term of patent 7 years



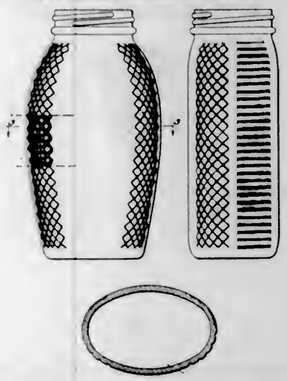
The ornamental design for a clock case, as shown.

107,103
DESIGN FOR KNITTED TRUNKS
Lewis Silberman, Brooklyn, N. Y.
Application September 4, 1937, Serial No. 71,484
Term of patent 3½ years



The ornamental design for knitted trunks as shown.

107,104
DESIGN FOR A JAR
Norman F. Steuer, San Francisco, Calif., assignor to Owens-Illinois Pacific Coast Company, San Francisco, Calif., a corporation of Delaware
Application September 22, 1937, Serial No. 71,724
Term of patent 14 years



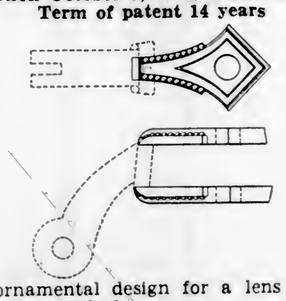
The ornamental design for a jar, substantially as shown and described.

107,105
DESIGN FOR A LIGHTING TROUGH OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,258
Term of patent 14 years



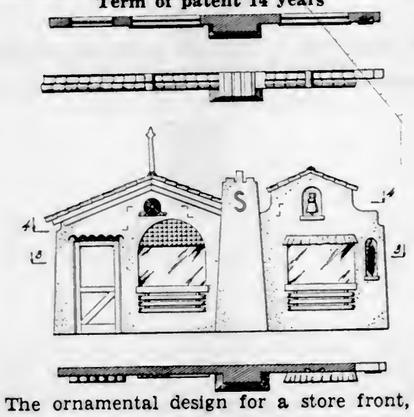
The ornamental design for a lighting trough or similar article, substantially as shown.

107,106
DESIGN FOR A LENS STRAP
Harwood S. Taylor, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Geneva, N. Y., a corporation of New York
Application October 9, 1937, Serial No. 72,094
Term of patent 14 years



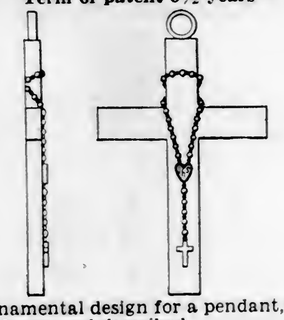
The ornamental design for a lens strap, as shown and described.

107,107
DESIGN FOR A STORE FRONT
Kenneth E. Bemis, Oakland, Calif.
Application September 25, 1937, Serial No. 71,802
Term of patent 14 years



The ornamental design for a store front, as shown.

107,108
DESIGN FOR A PENDANT
Frank A. Blasi, Newark, N. J.
Application August 4, 1937, Serial No. 70,846
Term of patent 3½ years



The ornamental design for a pendant, substantially as shown and described.

107,109
DESIGN FOR A FALLING WEDGE
John Henry Carter, Bend, Oreg.
Application May 14, 1937, Serial No. 69,361
Term of patent 14 years



The ornamental design for a falling wedge as shown and described.

107,110
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,153
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,111
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,154
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,112
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,155
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,113
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,156
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,114
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,157
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,115
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,158
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,116
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,159
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,117
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,160
Term of patent 3½ years



The ornamental design for a clip or similar article substantially as shown.

107,118
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,161
Term of patent 3½ years



The ornamental design for a clip or similar article, substantially as shown.

107,119
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,162
Term of patent 3½ years



The ornamental design for a clip or similar article, substantially as shown.

107,120
DESIGN FOR A CLIP OR SIMILAR ARTICLE
Adolph Katz, New York, N. Y.
Application October 14, 1937, Serial No. 72,163
Term of patent 3½ years



The ornamental design for a clip or similar article, substantially as shown.

107,121
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application September 11, 1937, Serial No. 71,572
Term of patent 3½ years



The ornamental design for a clip, substantially as shown and described.

107,122
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application September 11, 1937, Serial No. 71,573
Term of patent 3½ years



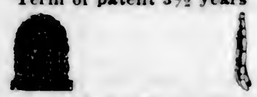
The ornamental design for a clip, substantially as shown and described.

107,123
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 71,998
Term of patent 3½ years



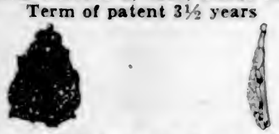
The ornamental design for a clip, substantially as shown and described.

107,124
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 71,999
Term of patent 3½ years



The ornamental design for a clip, substantially as shown and described.

107,125
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,000
Term of patent 3½ years



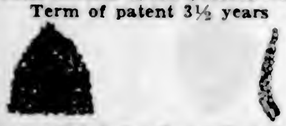
The ornamental design for a clip, substantially as shown and described.

107,126
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,001
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,127
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,002
Term of patent 3½ years



The ornamental design for a clip, substantially as shown and described.

107,128
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,003
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,129
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,004
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,130
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,005
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,131
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,006
Term of patent 3½ years



The ornamental design for a brooch substantially as shown and described.

107,132
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,007
Term of patent 3½ years



The ornamental design for a brooch substantially as shown and described.

107,133
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,008
Term of patent 3½ years



The ornamental design for a brooch substantially as shown and described.

107,134
DESIGN FOR A BROOCH
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,009
Term of patent 3½ years



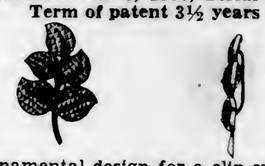
The ornamental design for a brooch substantially as shown and described.

107,135
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,013
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,136
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,014
Term of patent 3½ years



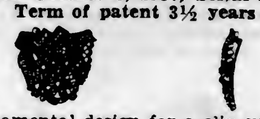
The ornamental design for a clip substantially as shown and described.

107,137
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,016
Term of patent 3½ years



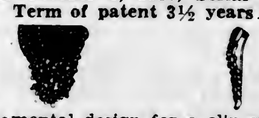
The ornamental design for a clip substantially as shown and described.

107,138
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,017
Term of patent 3½ years



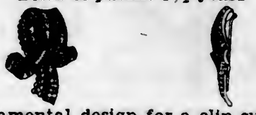
The ornamental design for a clip substantially as shown and described.

107,139
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,018
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,140
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,019
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,141
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,020
Term of patent 3½ years



The ornamental design for a clip substantially as shown and described.

107,142
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,021
Term of patent 3½ years



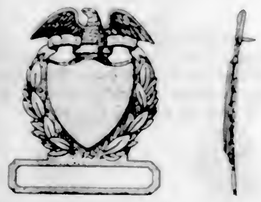
The ornamental design for a clip substantially as shown and described.

107,143
DESIGN FOR A CLIP
Alfred Philippe, New York, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 6, 1937, Serial No. 72,022
Term of patent 3½ years



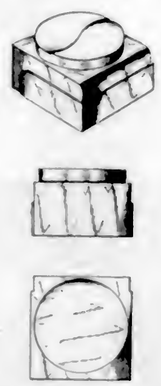
The ornamental design for a clip substantially as shown and described.

107,144
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Sigmund Stingel, Pittsburgh, Pa.
Application August 11, 1937, Serial No. 71,011
Term of patent 7 years



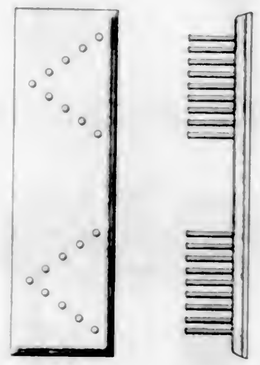
The ornamental design for a badge or similar article, as shown.

107,145
DESIGN FOR A COSMETIC CONTAINER
Adam Baker Barnhart, New York, N. Y., assignor to Jacqueline Cochran, doing business as J. C. Laboratories, Roselle, N. J.
Application August 18, 1937, Serial No. 71,180
Term of patent 14 years



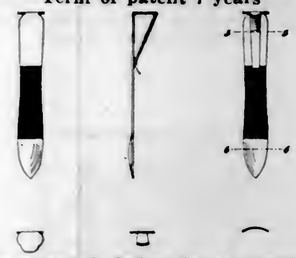
The ornamental design for a cosmetic container, as shown.

107,146
DESIGN FOR A NECKTIE RACK OR THE LIKE
Abe R. Brothers, Brooklyn, N. Y.
Application October 1, 1937, Serial No. 71,915
Term of patent 14 years



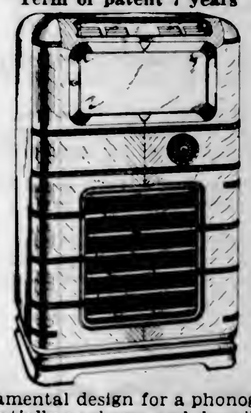
The ornamental design for a necktie rack or the like, substantially as shown and described.

107,147
DESIGN FOR A COMBINED NAIL FILE AND PIPE TAMP
Harry C. French, Cleveland, Ohio
Application June 15, 1937, Serial No. 69,855
Term of patent 7 years



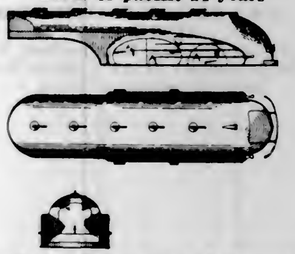
The ornamental design for a combined nail file and pipe tamp as shown.

107,148
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Application October 4, 1937, Serial No. 71,952
Term of patent 7 years



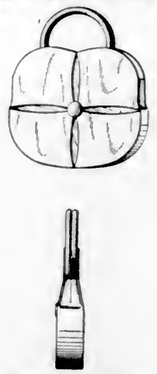
The ornamental design for a phonograph cabinet, substantially as shown and described.

107,149
DESIGN FOR A SEMITRAILER TANK BODY
Edward H. Gill, Kansas City, Mo., assignor to Andrew A. Kramer, Kansas City, Mo.
Application April 22, 1937, Serial No. 68,933
Term of patent 14 years



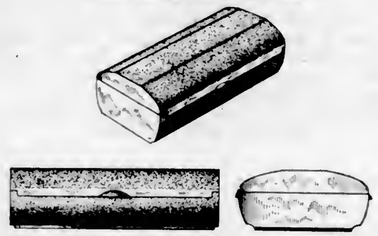
The ornamental design for a semitrailer tank body substantially as shown.

107,150
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application October 23, 1937, Serial No. 72,386
Term of patent 3½ years



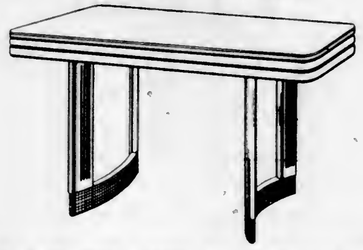
The ornamental design for a handbag substantially as shown.

107,151
DESIGN FOR A SHAVING SOAP CONTAINER
Jean Helleu, Paris, France, assignor to Bourjois, Inc., New York, N. Y., a corporation of New York
Application September 14, 1937, Serial No. 71,607
Term of patent 3½ years



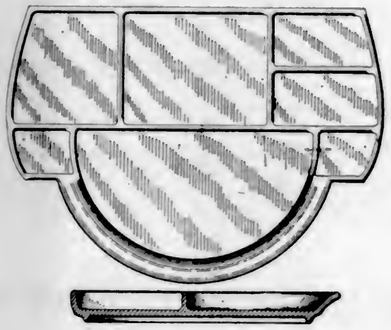
The ornamental design for a shaving soap container as shown.

107,152
DESIGN FOR A DINING TABLE
George McStay Jackson, Lake Bluff, Ill., assignor to The Hoosier Manufacturing Company, New Castle, Ind., a corporation of Indiana
Application August 23, 1937, Serial No. 71,260
Term of patent 3½ years



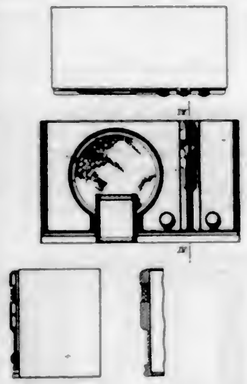
The ornamental design for a dining table, as shown.

107,153
DESIGN FOR AN ENTREE PLATE
Joseph Kenneth Johnson, Jersey City, N. J.
Application July 2, 1937, Serial No. 70,230
Term of patent 14 years



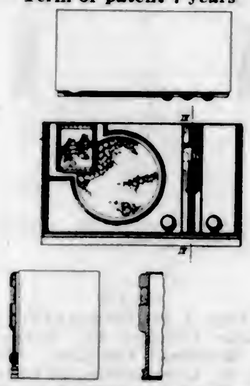
The ornamental design for an entree plate as shown.

107,154
DESIGN FOR A RADIO CABINET
Reginald B. Meller, San Francisco, Calif., assignor to Henry Wolff Company, San Francisco, Calif., a co-partnership composed of Henry Wolff and John L. Shell
Application June 24, 1937, Serial No. 70,038
Term of patent 7 years



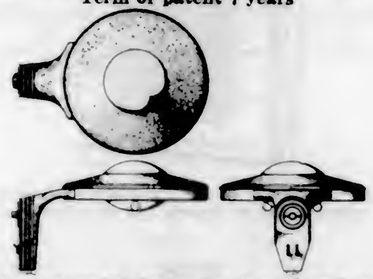
The ornamental design for a radio cabinet, substantially as shown and described.

107,155
DESIGN FOR A RADIO CABINET
Reginald B. Meller, San Francisco, Calif., assignor to Henry Wolff Company, San Francisco, Calif., a co-partnership composed of Henry Wolff and John L. Shell
Application June 24, 1937, Serial No. 70,039
Term of patent 7 years



The ornamental design for a radio cabinet, substantially as shown and described.

107,156
DESIGN FOR A COMBINED PEDESTAL HEAD AND HOUSING FOR HAIR WAVING MACHINES
Floyd V. Schleimer, San Francisco, Calif., assignor to Duart Manufacturing Company, Ltd., San Francisco, Calif., a corporation of California
Application August 9, 1937, Serial No. 70,943
Term of patent 7 years



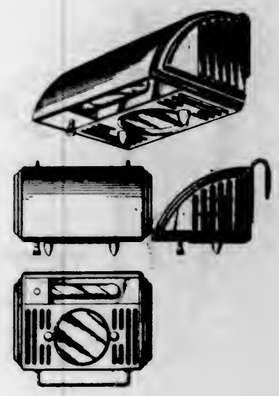
The ornamental design for a combined pedestal head and housing for hair waving machines, substantially as shown.

107,157
DESIGN FOR A CLOTHES STICK OR SIMILAR ARTICLE
Elizabeth F. Thomas, Binghamton, N. Y.
Application September 21, 1937, Serial No. 71,700
Term of patent 14 years



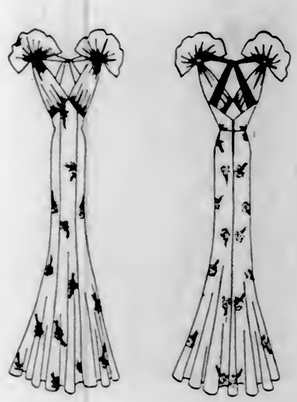
The ornamental design for a clothes stick or similar article, as shown.

107,158
DESIGN FOR A COMBINED RADIO RECEIVING SET AND BED LAMP
Leonard Tulauskas, Chicago, Ill., assignor to Climax Radio & Television Co., Chicago, Ill., a corporation of Illinois
Application September 22, 1937, Serial No. 71,713
Term of patent 7 years



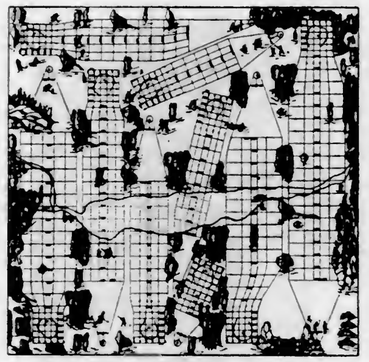
The ornamental design for a combined radio receiving set and bed lamp, substantially as shown.

107,159
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application October 20, 1937, Serial No. 72,326
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,160
DESIGN FOR A GAME BOARD
Alton Schuster, Toledo, Ohio
Application May 24, 1937, Serial No. 69,528
Term of patent 3½ years



The ornamental design for a game board substantially as shown and described.

107,161
DESIGN FOR A BEANPOT
Chester C. Soule, Portland, Maine
Application October 13, 1937, Serial No. 72,147
Term of patent 14 years



The ornamental design for a beanpot, as shown.

107,162
DESIGN FOR A BEANPOT
Chester C. Soule, Portland, Maine
Application October 13, 1937, Serial No. 72,148
Term of patent 14 years



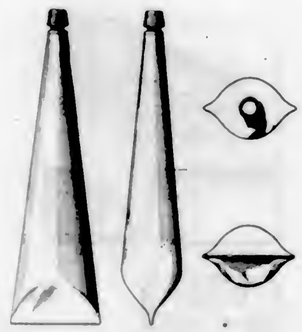
The ornamental design for a beanpot, as shown.

107,163
DESIGN FOR A BEANPOT
Chester C. Soule, Portland, Maine
Application October 13, 1937, Serial No. 72,149
Term of patent 14 years



The ornamental design for a beanpot, as shown.

107,164
DESIGN FOR A COLLAPSIBLE CONTAINER
Herman L. Strongson, New York, N. Y., assignor to Glida Corp. of America, New York, N. Y., a corporation of New York
Application December 21, 1936, Serial No. 66,673
Term of patent 3½ years



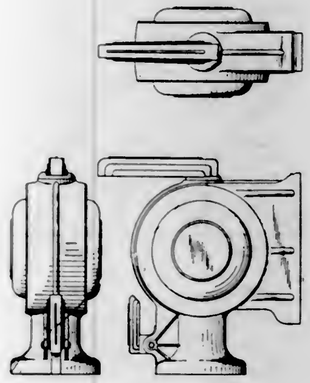
The ornamental design for a collapsible container, as shown.

107,165
DESIGN FOR A DRESS
Philip Wenett, New York, N. Y.
Application October 25, 1937, Serial No. 72,401
Term of patent 3½ years



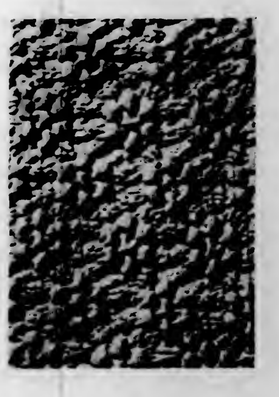
The ornamental design for a dress, substantially as shown, and described.

107,166
DESIGN FOR A WRINGER HEAD
Howard Witmer, Newton, Iowa, assignor to One Minute Washer Company, Newton, Iowa, a corporation of Iowa
Application April 17, 1937, Serial No. 68,839
Term of patent 7 years



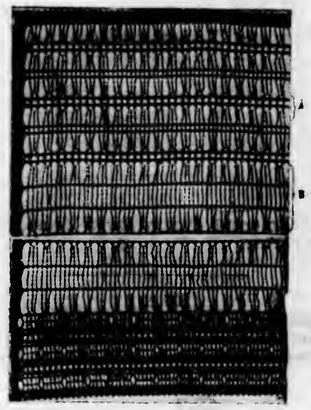
The ornamental design for a wringer head as shown.

107,167
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Rudolph Dannecker, Beacon, N. Y.
Application October 16, 1937, Serial No. 72,234
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

107,168
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,186
Term of patent 3½ years



The ornamental design for a curtain substantially as shown and described.

107,169
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 14, 1937, Serial No. 72,175
Term of patent 3½ years



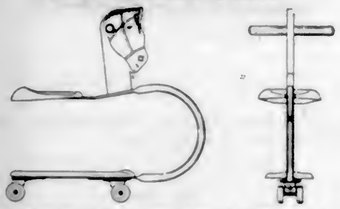
The ornamental design for a dress, substantially as shown.

107,170
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application October 18, 1937, Serial No. 72,249
Term of patent 3½ years



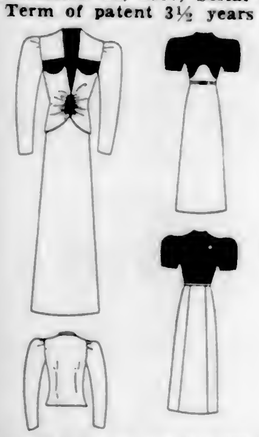
The ornamental design for a dress, substantially as shown.

107,171
DESIGN FOR A CHILD'S TOY
Clarence E. Garton, Sheboygan, Wis.
Application September 9, 1937, Serial No. 71,516
Term of patent 3½ years



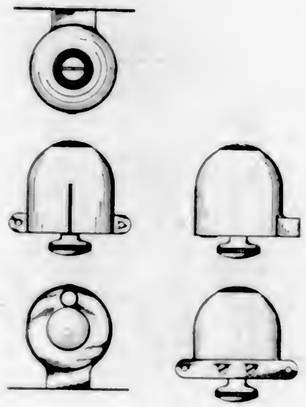
The ornamental design for a child's toy, as shown.

107,172
DESIGN FOR A DRESS ENSEMBLE
Goodwin Isaacs, New York, N. Y.
Application October 14, 1937, Serial No. 72,152
Term of patent 3½ years



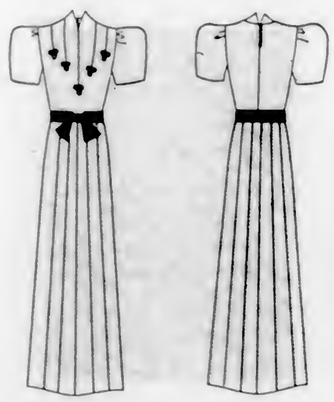
The ornamental design for a dress ensemble, substantially as shown.

107,173
DESIGN FOR A SALT TABLET DISPENSER
Robert A. Kelly, East Pittsburgh, and Paul C. Perrin, Pittsburgh, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1937, Serial No. 71,825
Term of patent 14 years



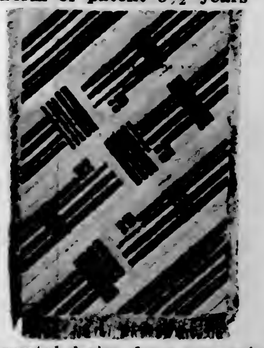
The ornamental design for a salt tablet dispenser as shown.

107,174
DESIGN FOR A DRESS
Jacob J. Kushner, New York, N. Y.
Application October 11, 1937, Serial No. 72,114
Term of patent 3½ years



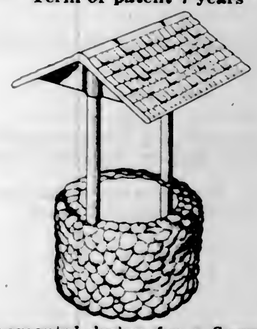
The ornamental design for a dress substantially as shown and described.

107,175
DESIGN FOR A RUG
George E. Mallinson, Amityville, N. Y.
Application October 15, 1937, Serial No. 72,199
Term of patent 3½ years



The ornamental design for a rug, substantially as shown and described.

107,176
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Harold Joseph Meyer, Galesburg, Ill., assignor to Western Stoneware Company, Monmouth, Ill., a corporation of Maine
Application August 20, 1936, Serial No. 64,491
Term of patent 7 years



The ornamental design for a flower holder or similar article, as shown.

107,177
DESIGN FOR A KNITTED FABRIC
Jack Minoff, Newark, N. J.
Application October 25, 1937, Serial No. 72,402
Term of patent 14 years



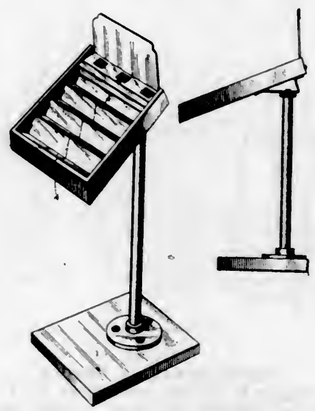
The ornamental design for a knitted fabric substantially as shown.

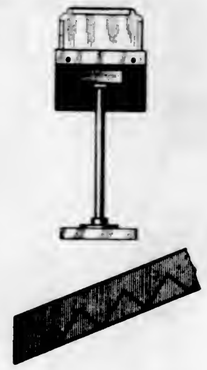
107,178
DESIGN FOR A PLAYING CARD
Raymond Francis Nekuda, Kansas City, Mo.
Application January 30, 1937, Serial No. 67,353
Term of patent 14 years



The ornamental design for a playing card as shown.

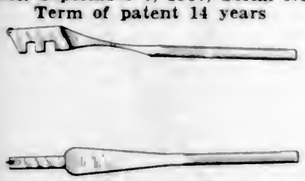
107,179
DESIGN FOR A DISPLAY STAND
John G. Toomey, New York, N. Y., assignor to Park & Tilford, New York, N. Y., a corporation of New York
Application September 10, 1937, Serial No. 71,543
Term of patent 7 years





The ornamental design for a display stand as shown.

107,180
DESIGN FOR A GLASS CUTTER
Guy C. Wyman, Chatham, N. J., assignor to Landon P. Smith, Incorporated, Irvington, N. J., a corporation of New Jersey
Application September 7, 1937, Serial No. 71,499
Term of patent 14 years



The ornamental design for a glass cutter, as shown.

107,181
DESIGN FOR A DRESS
Marie R. Berger, New York, N. Y.
Application October 28, 1937, Serial No. 72,479
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,182
DESIGN FOR A DRESS
Marie R. Berger, New York, N. Y.
Application October 28, 1937, Serial No. 72,480
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,183
DESIGN FOR A TEXTILE FABRIC
John W. H. Brooks, Philadelphia, Pa.
Application October 20, 1937, Serial No. 72,324
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,184
DESIGN FOR A SPORT SHIRT
Helena Schmidt Buffett, Honolulu, Territory of Hawaii
Application June 30, 1937, Serial No. 70,187
Term of patent 7 years



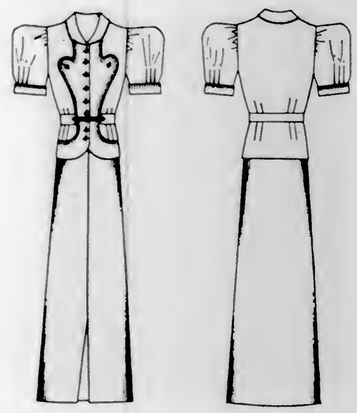
The ornamental design for a sport shirt, as shown.

107,185
DESIGN FOR A DRESS
Marie Efantes, New York, N. Y.
Application October 29, 1937, Serial No. 72,494
Term of patent 3½ years



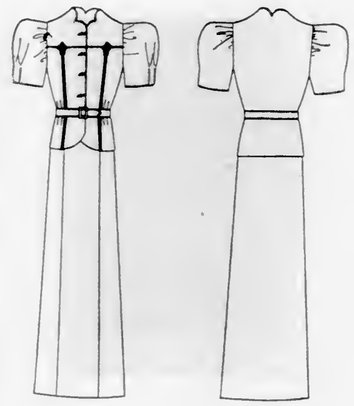
The ornamental design for a dress substantially as shown.

107,186
DESIGN FOR A DRESS
Marie Efantes, New York, N. Y.
Application October 29, 1937, Serial No. 72,495
Term of patent 3½ years



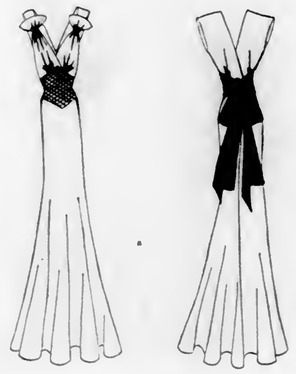
The ornamental design for a dress substantially as shown.

107,187
DESIGN FOR A DRESS
Marie Efantes, New York, N. Y.
Application October 29, 1937, Serial No. 72,496
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,188
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application October 26, 1937, Serial No. 72,431
Term of patent 3½ years



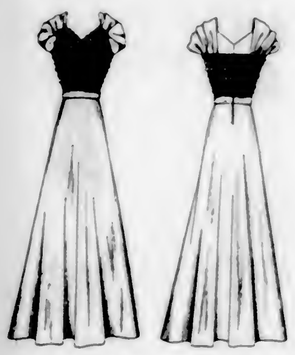
The ornamental design for a dress, substantially as shown.

107,189
DESIGN FOR A CURTAIN
Frederich Gentner, Philadelphia, Pa.
Application September 22, 1937, Serial No. 71,729
Term of patent 3½ years



The ornamental design for a curtain, substantially as shown.

107,190
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application October 30, 1937, Serial No. 72,527
Term of patent 3½ years



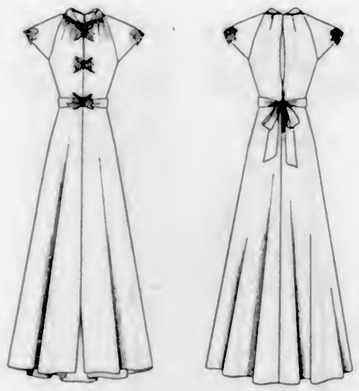
The ornamental design for a dress, substantially as shown.

107,191
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application October 30, 1937, Serial No. 72,528
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,192
DESIGN FOR A DRESS
Ida Lampel, New York, N. Y.
Application October 28, 1937, Serial No. 72,481
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,193
DESIGN FOR AN EMBROIDERED FABRIC
Morris Leff, New York, N. Y.
Application October 29, 1937, Serial No. 72,489
Term of patent 3½ years



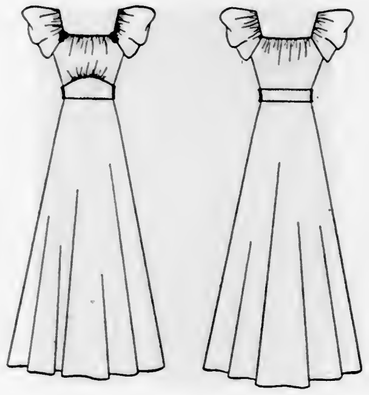
The ornamental design for an embroidered fabric, substantially as shown.

107,194
DESIGN FOR AN EMBROIDERED FABRIC
Morris Leff, New York, N. Y.
Application October 29, 1937, Serial No. 72,490
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

107,195
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 25, 1937, Serial No. 72,398
Term of patent 3½ years



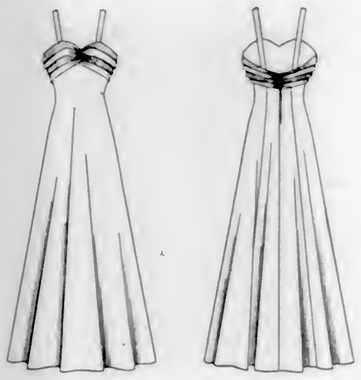
The ornamental design for a dress, substantially as shown and described.

107,196
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 27, 1937, Serial No. 72,446
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,197
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 27, 1937, Serial No. 72,447
Term of patent 3½ years



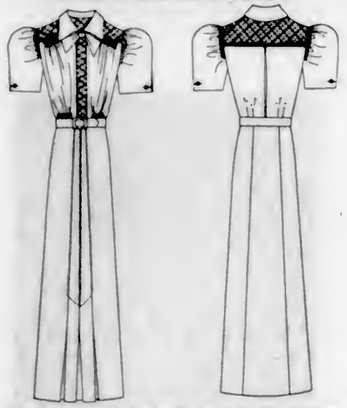
The ornamental design for a dress, substantially as shown.

107,198
DESIGN FOR A TEXTILE FABRIC
Edmund M. Patterson, New York, N. Y.
Application October 20, 1937, Serial No. 72,331
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,199
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application October 29, 1937, Serial No. 72,497
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,200
DESIGN FOR A DECORATIVE NAIL
Benjamin Salzberg, New York, N. Y.
Application October 14, 1937, Serial No. 72,166
Term of patent 3½ years



The ornamental design for a decorative nail, substantially as shown.

107,201
DESIGN FOR A DRESS
Carolyn M. Santore, New York, N. Y.
Application October 27, 1937, Serial No. 72,444
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,202
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application October 23, 1937, Serial No. 72,382
Term of patent 3½ years



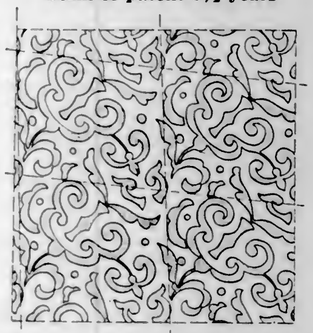
The ornamental design for a dress, substantially as shown.

107,203
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application October 25, 1937, Serial No. 72,400
Term of patent 3½ years



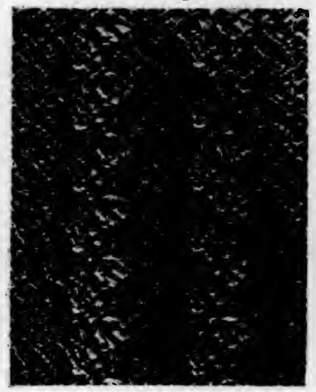
The ornamental design for a dress, substantially as shown.

107,204
DESIGN FOR A TEXTILE FABRIC
Nathan Tillman, Brooklyn, N. Y.
Application November 1, 1937, Serial No. 72,563
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,205
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application October 20, 1937, Serial No. 72,334
Term of patent 7 years



The ornamental design for a textile fabric substantially as shown.

107,206
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application October 20, 1937, Serial No. 72,335
Term of patent 7 years



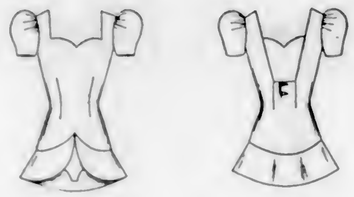
The ornamental design for a textile fabric substantially as shown.

107,207
DESIGN FOR A DRESS
Mildred Wagner, New York, N. Y.
Application October 23, 1937, Serial No. 72,383
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,208
DESIGN FOR A BATHING SUIT
Mildred Tunick, New York, N. Y.
Application October 20, 1937, Serial No. 72,332
Term of patent 3½ years



The ornamental design for a bathing suit, substantially as shown.

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November 30, 1937

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T. M. Renewals	17		
Labels	30—No.	50,399 to No.	50,428, inclusive.
Prints	14—No.	16,588 to No.	16,601, inclusive.
Reissues	8—No.	20,559 to No.	20,566, inclusive.
Patents	706—No.	2,100,309 to No.	2,101,014, inclusive.
Designs	98—No.	107,209 to No.	107,306, inclusive.
Total	1,097		

Trade-Mark Registrations Canceled

240,736. Hop-flavored malt syrup. Morris Kettleman, doing business as Lawrence Malt Products Co., Lawrence, Mass. Registered April 10, 1928. Canceled October 15, 1937.

288,118. Men's clothing. Eagle Clothes, New York, N. Y. Registered October 20, 1931. Canceled October 29, 1937.

309,061. Whisky. Robert Levin, doing business as Allied Distilling Company, Baltimore, Md. Registered December 26, 1933. Canceled October 29, 1937.

310,087. Whiskey, brandy, gin, and/or other potable distilled spirits. Califruit Wineries, Inc., New York, N. Y. Registered February 13, 1934. Canceled October 15, 1937.

314,237. Rubber hose and rubber belting. The Goodyear Tire & Rubber Company, Akron, Ohio. Registered June 19, 1934. Canceled October 15, 1937.

326,678. Men's clothing. Eagle Clothes, New York, N. Y. Registered July 30, 1935. Canceled October 29, 1937.

333,135. Wax and grease remover, and cleaner for floors, etc. Seal-Tite Products Co., Los Angeles, Calif. Registered March 10, 1936. Canceled October 29, 1937.

Interference Notices

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Florida Citrus Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 15, 1927, No. 224,038, to Florida Citrus Products Corporation, Haines City, Florida, and 136 Franklin St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Florida Citrus Products Corporation at the said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Florida Citrus Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Charles N. Cox, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 21, 1928, No. 239,038, to Charles N. Cox, 421 Flamingo Drive, West Palm Beach, Florida, and the Office having been unable to obtain satisfactory service upon said Cox, notice is hereby given that unless said Charles N. Cox, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business November 13, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,296; Trade-Mark Division, 1,572. Oldest new case, May 18, 1937; oldest amended, May 1, 1937.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 19	July 2	722
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 21	July 20	788
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 17	Sept. 15	455
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Aug. 4	July 28	478
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 16	Aug. 23	562
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 12	Aug. 10	761
5725	7. JARBOE, C. G., Optics; Photography	Aug. 2	Aug. 2	1,000
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	July 23	Aug. 6	624
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 16	July 14	539
6612	10. HUNTER, O. P., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	June 26	July 13	829
8087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 9	Aug. 12	470
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	June 28	July 3	640
8096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 26	July 26	651
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 7	Aug. 9	540
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 5	Aug. 5	1,008
5716	16. SPENCER, C. J., Telegraphy; Telephony	July 23	July 20	702
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 18	Aug. 14	535
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 26	July 21	469
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 15	July 17	812
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 27	July 30	483
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 13	Aug. 13	548
5600	22. RINOLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 17	Aug. 18	592
7624	23. BUTTNER, W. J., Registers (part)	May 18	May 1	295
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 18	Aug. 18	637
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 10	Aug. 10	603
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	July 15	July 13	494
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	June 11	June 8	885
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Aug. 13	Aug. 14	397
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 26	July 26	712
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 21	June 21	898
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 14	Aug. 14	576
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	July 31	Aug. 6	493
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 16	Aug. 7	858
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Aug. 30	Aug. 31	329
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 13	Aug. 20	527
7802	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	June 23	June 23	537
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 16	June 17	738
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	July 21	July 23	625
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 12	July 9	571
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 10	July 13	1,204
7613	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 19	July 30	277
3882	42. CUTTING, H. O., Electric Signaling	Aug. 3	June 29	528
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Aug. 13	Aug. 13	624
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	June 22	June 23	835
7098	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles	July 21	July 27	638
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 23	July 23	572
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	Aug. 11	Aug. 11	577
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 5	Aug. 5	535
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 1	June 1	857
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Aug. 13	Aug. 13	595
5628	51. BACKUS, C. D., Radiant Energy	Aug. 7	Aug. 7	723
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	July 29	July 24	922
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 2	July 15	758
5974	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Sept. 7	Sept. 7	450
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 6	July 9	869
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 13	July 13	1,008
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 18	June 29	550
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 28	July 28	380
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Aug. 6	Aug. 5	591
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	July 27	July 27	493
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 28	June 28	617
3821	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 16	Aug. 13	578
4585	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	Aug. 5	Aug. 3	408
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Aug. 13	Aug. 13	996
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 20	July 10	648
2699B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Oct. 1	Oct. 21	1,338
2604	Designs, H. H. KALUPY	Oct. 13	Oct. 29	234
		Oct. 18	Nov. 1	603

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

UNITED STATES EX RELATIONE SOCIETE DE CONDENSATION ET D'APPLICATIONS MECANIQUES

v.

COE, COMMISSIONER OF PATENTS

No. 6,874. Decided March 29, 1937. Rehearing denied June 2, 1937. Certiorari denied by the Supreme Court of the United States Oct. 11, 1937. Rehearing denied Nov. 8, 1937.

MANDAMUS—DISMISSAL OF APPEAL UNDER RULE 162.

Mandamus to compel Commissioner to dismiss under rule 162, appeal to Board of Appeals by losing party in interference who failed to file typewritten copies of record for use of the Board within the thirty day period specified in the rule but filed the same within a further period granted by the Board *Held* properly denied.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

STEPHENS, *J.*, dissenting.

Mr. Philip Mauro and *Mr. Reeve Lewis* for U. S. Ex Rel. Societe de Condensation et D'Applications Mecaniques.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.:*

Appeal from a judgment in the District Court of the United States for the District of Columbia dismissing appellant's petition for a writ of mandamus to compel the Commissioner of Patents to dismiss, or cause to be dismissed, an appeal to the Board of Appeals in interference No. 59,444 between Paul Langevin, assignor to petitioner, and Alexander Nicolson.

The Examiner of Interferences on July 20, 1935, awarded priority to Langevin. From that decision Nicolson on August 17, 1935, noted an appeal to the Board of Appeals. Patent Office Rule 162, as amended, prescribes the procedure on appeals to the Board of Appeals, and provides that printing of the record may be dispensed with, upon request, where the record does not exceed a certain number of pages; and

"that where printing has thus been dispensed with, the appellant, if appeal is taken from the decision of the Examiner of Interferences, may file three clearly legible typewritten copies of the record, both of his own and the appellee, if the same have not been printed, and which shall not become a part of the record, within thirty days from the taking of the appeal. *If the copies of the record are not filed within the time specified or within any extension thereof granted by the Board of Appeals, the appeal shall be dismissed.* [Emphasis ours.]

Nicolson did not file the three copies of the record within the thirty day period (expiring September 16, 1935). On December 3d, following, the Board of Appeals in a communication to Nicolson and Langevin stated:

"Counsel for the appellee (Langevin) has called our attention to the fact the appellant (Nicolson) has not filed in the Office the three typewritten copies of the record, both of his own and the appellee, required by the second paragraph of rule 162 to be filed within thirty days from the date of the appeal. The appeal was taken on August 17, 1935. If such copies are not filed within ten days from the date of this letter, or sufficient cause shown why such action should not be taken, the appeal will be dismissed."

In response to the Board's communication of December 3d Nicolson (on December 11th) filed three typewritten copies of the record. In his letter transmitting the copies, Nicolson stated that the delay

"was entirely an inadvertent error resulting from the unfamiliarity of appellant's (Nicolson's) counsel with the procedure with respect to the use of typewritten records."

Meantime, on December 9th, Langevin filed a motion to set aside the Board's action of December 3d and for an order dismissing Nicolson's appeal. Thereupon, in a further communication to Nicolson, the Board, in view of Langevin's opposition, required Nicolson to "make a verified showing in excuse for his delay." He was given until December 24th to file such "showing." Langevin was given until December 31st to file any arguments he might care to advance against the sufficiency of Nicolson's showing. Action on Langevin's motion to set aside and dismiss was deferred until December 31st, or until Nicolson's showing and Langevin's response had been received.

The case came on to be heard before the Board, and on January 7, 1936, that tribunal in a written decision stated that the typewritten copies had been filed by Nicolson on December 11, 1935, within the extension granted on December 3d; that Langevin contended the rule is mandatory, and that the Board was without discretion and must dismiss the appeal. The Board continued:

"The rule specifically states that these typewritten copies shall not become a part of the record. They are required merely for the benefit of the Board, but in themselves constitute no part either of the appeal or the permanent record. Had the rule required appellant [Nicolson] to furnish the appellee [Langevin] with these copies and appellee had waived this requirement, no reasonable interpretation of the rule would have required dismissal of the appeal merely because the wording of the rule had not been strictly complied with. Likewise it seems to us that since the copies form no part of the record, but are merely filed for the convenience of the Board, we have the authority to waive the requirement of the rule as to their filing, if we so desire. We did not, however, waive the requirement of the rule, but extended appellant's period in which to file the copies and they were filed within the extension granted by us. * * *"

Thereupon the supervisory authority of the Commissioner was invoked to the end that he require the appeal of Nicolson to be dismissed. The petition was denied. In his written decision the Commissioner said:

"It is important to observe that the requirement for the filing of the three typewritten copies of the record by the appellant [Nicolson] is not only primarily but solely for the benefit of the three members of the Board of Appeals. These copies are not available to either the appellant or the appellee and neither, as the rule plainly states, do they become a part of the record. The observance of the rule by the appellant does not benefit the appellee and neither does its breach create any equitable or legal right in the appellee. Under these circumstances I do not feel that this office should resort to such a harsh and technical interpretation of a rule created for its own benefit as to disavow those equitable principles underlying the procedure and practice of the Patent Office."

It must be kept in mind that the Commissioner

was interpreting one of his own rules, procedural in character.

"Words like may, must, shall, and so forth, are constantly used in statutes without intending that they shall be taken literally, and in their construction the object evidently designed to be reached limits and controls the literal import of the terms and phrases employed."

Field v. *United States*, 27 App. D. C. 433, 440. In *West Wisconsin Railway Co.* v. *Foley*, 94 U. S. 100, the court considered one of its own rules providing that where a writ of error shall delay the proceedings of an inferior court and shall appear to have been sued merely for delay,

"damages at the rate of ten per cent, in addition to interest, shall be awarded upon the amount of the judgment."

The court held that the rule should be construed as limiting the amount beyond which the court could not go, but that, in its discretion, it could give less. See, also, *Escoe* v. *Zerbst*, 295 U. S. 490.

Patent Office Rule 162, as finally amended, was designed to relieve an appealing party of the burden of printing the record, where the testimony does not exceed the specified number of pages. The provision requiring the appealing party to furnish legible typewritten copies of the record was, as ruled by the Board and the Commissioner, "for the convenience of the Board." The provision that the appeal shall be dismissed if the copies of the record are not filed within the time specified or within any extension thereof granted by the Board of Appeals was to prevent unreasonable delay. Both the Board and the Commissioner, in the exercise of their discretion, extended the time within which the copies should be filed. It would require a much stronger showing than has been made here to justify a court in setting aside the action of the Office. Having in mind that the writ of mandamus is equitable in character, that it issues for preventing instead of promoting injustice (*Duncan Townsite Co.* v. *Lane*, 245 U. S. 308), we have no hesitancy in ruling that the judgment of the court below was correct, and it is therefore affirmed.

Affirmed.

MR. JUSTICE STEPHENS dissents.

Judge Groner took no part in the consideration or decision of this case.

District Court of the United States for the District of Columbia

STANDARD OIL CO. (INDIANA) *v.* PURE OIL CO. ET AL.

No. 63,123. Decided June 21, 1937

1. EQUITY SUIT UNDER 4915 R. S.—JURISDICTION OF DISTRICT COURT FOR THE DISTRICT OF COLUMBIA—CODEFENDANTS HAVING DIVERSE RESIDENCES.

Act of March 3, 1927 (35 U. S. C. 72*a*) *Held* not to confer on District Court for the District of Columbia jurisdiction of suit under section 4915 R. S. by interfering party against applicant for patent and his assignee, having diverse residences, since the applicant having parted with his entire interest is at most a formal party, not even a party with a separable interest.

2. SAME—SAME—JOINT MOTION TO DISMISS BY CODEFENDANTS—EFFECT OF.

Action of codefendants in jointly moving to dismiss bill for lack of jurisdiction *Held* not to constitute a general appearance.

In Equity. Suit by the Standard oil Company (Indiana) against the Pure Oil Company and another. On defendants' motion to dismiss the bill.

Motion sustained.

Edward B. Beale, of Washington, D. C., for plaintiff.

Edward H. Lang, of Chicago, Ill., and *Henry C. Parker*, of Washington, D. C., for defendants.

BAILEY, *A. J.*:

The plaintiff, as assignee of a joint application for Letters Patent filed in the name of Frederick W. Sullivan, Jr., and Robert F. Ruthruff, has brought suit by a bill in equity against the defendant, the Pure Oil Company (assignee) and the defendant Cary R. Wagner (assignor), of a patent application of said defendant Wagner. An interference entitled *Wagner* v. *Sullivan and Ruthruff* was declared between the said inventors by the Patent Office. After the taking of testimony, an interference decision within the Patent Office was rendered by the Examiner of Interferences, who awarded priority of invention to the inventor Wagner. The Board of Appeals of the United States Patent Office, acting upon an appeal taken by Sullivan and Ruthruff, rendered a decision affirming the Examiner of Interferences and awarded priority to the inventor Wagner. No appeal was taken by the inventors Sullivan and Ruthruff to the United States Court of Customs and Patent Appeals. Instead, plaintiff has elected to file this bill in equity under the provisions of R. S. § 4915 (as amended, 35 U. S. C. A. § 63), naming as defendant, Cary R. Wagner, the inventor-assignor, a resident of the State of Illinois and as codefendant the Pure Oil Company, a corporation of the State of Ohio, assignee of the patent application of Cary R. Wagner. Upon the filing of plaintiff's bill, the defendants jointly filed a motion to dismiss plaintiff's bill upon the grounds:

1. That neither of the codefendants is a resident of the District of Columbia, and therefore that neither defendant is subject to process issuing from this court.
2. That the defendant, the Pure Oil Company, is the only "necessary defendant" in this cause and that the Pure Oil Company is not a "resident" of the District of Columbia.
3. That the plaintiff has filed another suit in the United States District Court for the Southern District of Ohio, and that plaintiff should not be permitted to maintain two suits in different jurisdictions.

[1] The jurisdiction of this court is, if it has jurisdiction of this suit, based upon the act of March 3, 1927, 35 U. S. C. A. 72*a*, which is as follows:

§ 72*a*. *Jurisdiction of Supreme Court of District of Columbia in certain equity suits where adverse parties reside elsewhere; plurality of districts; service of writs.* Upon the filing of a bill in the Supreme Court of the District of Columbia wherein remedy is sought under section 63 or section 66 of this title, without seeking other remedy, if it shall appear that there is an adverse party residing in a foreign country, or adverse parties residing in a plurality of districts not embraced within the same State, the court shall have jurisdiction thereof and writs shall, unless the adverse party or parties voluntarily make appearance, be issued against all of the adverse parties with the force and effect and in the manner set forth in section 113 of title 28; provided that writs issued against parties residing in foreign countries pursuant to this section may be served by publication or otherwise as the court shall direct. (Mar. 3, 1927, c. 364, 44 Stat. 1394.)

I agree with the opinion of the Circuit Court of Appeals of the Second Circuit in *Hazeltine Corporation* v. *White et al.*, 68 F.(2d) 715, 717, where, in stating the purpose of Congress in passing this act, it said:

"The difficulty which formerly prevailed, because indispensable parties might be beyond the reach of process issuing out of any court in which the action could be brought and might be unwilling to appear voluntarily, has been obviated by the passage in 1927 of act March 3, 1927, 44 Stat. 1394 (35 U. S. C. A. § 72*a*), under which suits are now pending between these parties in the Supreme Court of the District of Columbia."

So far as appears from the bill, the defendant-assignor has parted with all his interest with the result that he is at most a formal party, not even a party with a separable interest.

The plaintiff claims that the assignor is an indispensable party for the reason that his signature must be subscribed to the affidavits known as preliminary statements or if the assignee wishes to abandon or disclaim or concede priority the signature of the inventor must be affixed to the document.

Apart from the fact that it is by no means clear that the participation of the inventor is necessary for these purposes, it does not appear that he must be a party to the interference nor does the bill claim that the inventor wishes to abandon or disclaim or concede priority. Rule 5 of the Patent Office provides:

"The assignee of the entire interest of an invention is entitled to hold correspondence with the office to the exclusion of the inventor."

As said above, so far as appears from the allegations of the bill, the defendant-assignor has parted with his entire interest and will in no way be affected by the result of this suit. To hold that the plaintiff by making a mere formal party a codefendant can compel the real defendant, the real party in interest, to come from any part of the United States and defend his rights in the District of Columbia would conflict with the general purpose of Congress as appears from the fact that ordinarily suits in the Federal courts must be brought in the district in which the defendant resides. Jud. Code, § 51, as amended, 28 U. S. C. A. § 112.

That an assignor is merely a formal party and not a real party in interest is also shown by the fact that this suit is brought by an assignee without the joinder of the assignor, a practice which is authorized by Equity Rule 13 of this court, which is taken from Equity Rule 37 promulgated by the Supreme Court (28 U. S. C. A. following section 723).

Plaintiff relies upon the case of *Martindale et al.* v. *Robertson et al.*, Eq. No. 49174.[1] In that case the defendants, assignor and assignee, were both residents of Massachusetts, and the other defendant was the Commissioner of Patents. As the defendants, assignor and assignee, were both residents of the same State, the question whether the joinder of the defendant-assignor would give this court jurisdiction was not involved.

I see no logical ground for holding a suit of this kind is a proceeding in rem. If it were, the amendment of March 3, 1927, 35 U. S. C. A. § 72*a*, would have been unnecessary and would have provided for a procedure more consonant with a proceeding in rem.

[2] Plaintiff also claims that because the defendants have jointly moved to dismiss the bill for lack of jurisdiction, they have appeared generally, but this is without merit. *Davidson Bros. Marble Co.* v. *Gibson*, 213 U. S. 10, 29 S. Ct. 324, 53 L. Ed. 675; *Georg Jensen Handmade Silver, Inc.*, v. *Georg Jensens Sluvmedie A/S et al.*, 65 D. C. App. 17, 79 F.(2d) 142.

Inasmuch as in my opinion the words "without seeking other remedy" apply to "other remedy" sought in the same suit, it is unnecessary to consider the question whether the defense of former suit pending can be raised by a motion to dismiss, when the facts do not appear on the face of the bill, and in view of the opinion of the Supreme Court of the United States in *Bernard Joseph Mumm* v. *Jacob E. Decker & Sons*, 57 S. Ct. 675, 81 L. Ed. —, decided April 26, 1937, it would not be necessary for the plaintiff to deny in the bill that it was not seeking other remedy, a bill in the "short form" being sufficient.

The motion to dismiss will be sustained.

[1] No opinion for publication.

U. S. Court of Customs and Patent Appeals

THE EMERSON ELECTRIC MANUFACTURING CO. *v.* EMERSON RADIO & PHONOGRAPH CORPORATION

No. 3,779. Decided April 5, 1937

[89 F.(2d) 349]

TRADE-MARKS—LIKELIHOOD OF CONFUSION—RIGHT TO REGISTER.

Record reviewed and *Held* the prior use by appellant of the name "Emerson" and of that name in connection with certain other features, on a long line of electric apparatus was not a bar to the registration by appellee of a mark for radio apparatus consisting of the representation of treble clef together with the words "Emerson Radio and Television", the last two words being disclaimed, where appellant did not enter the field of radios and phonographs until long after appellee, and no real confusion had been shown.

APPEAL from the Patent Office. Affirmed.

Mr. Lawrence C. Kingsland, *Mr. Edmund C. Rogers*, and *Mr. Estill E. Ezell* for The Emerson Manufacturing Co.

Messrs. Darby & Darby, *Mr. Samuel E. Darby, Jr.*, and *Mr. Louis D. Fletcher* for Emerson Radio & Phonograph Corporation.

GRAHAM, *P. J.*:

Emerson Radio & Phonograph Corporation, a corporation of the State of New York, applied to the United States Patent Office for the registration of a trade-mark for radio sets and apparatus, television sets and apparatus, etc., on September 12, 1933. It is said in the application that this mark has been used in connection with the selling of radio sets and apparatus, television sets and apparatus, radio television sets and apparatus, and radio phonograph combinations, since about July 1, 1927.

The mark consists of a representation of a treble clef, together with the words "Emerson Radio and

Television." No claim is made to the words "Radio and Television" apart from the mark, as shown. The words are superimposed upon the lower part of the clef.

The Emerson Electric Manufacturing Company, a corporation of the State of Missouri, filed notice of opposition to the application, alleging that it is the manufacturer of electrical equipment, including, among other items, the following:

Electric motors, electric fans, including portable, wall, ceiling, floor, and exhaust types, furnace blowers, forge blowers, organ blowers, and hair driers, electric generators, electric motor-generators, electric switches, including manually operated and automatically controlled types, rotary transformers, illuminating cylinders, electrically operated coffee mills, electrically operated air and water pumps, electrically operated lathes, electrically operated buffers and grinders, electrically operated dental engines, electric power units for sewing machines, electrically operated humidifiers, electrically operated air washers, and radio "B" power units.

The opposer states that since in or about 1890, its business has been conducted under the present or substantially the same name, including prominently the word "Emerson" as its distinctive feature; that its products have been marketed with and known by the name "Emerson", and have been extensively advertised; that this name has been used continuously since its initiation; and that it has built up a valuable good will.

The opposer also states that it is the owner of three registered trade-marks, namely, a trade-mark consisting of the block letters "EMERSON", registered August 15, 1916, for the following:

"• • • electric motors, electric fans, including fans of portable, wall, ceiling, and floor types, electric exhaust-fans, electric forge-blowers, electric generators, electric motor-generators, knife-switches, switchboards, panel-boards, fuse-boards, transformers, rotary transformers, illuminating-cylinders, watch-demagnetizers, electric organ-blowers, electric hair driers, electrically-operated coffee-mills, electrically-operated air and water pumps, electrically-operated lathes, electrically-operated buffers and grinders, electrically-operated furnace blowers, electrically-operated hacksaws, and electric motors and power-transmitters for sewing-machines, in Class 21, Electrical apparatus, machines, and supplies";

a trade-mark consisting of the word "Emerson", registered September 5, 1916,

"for dental lathes, dental engines, and buffers and grinders for dentists' use, • • • Dental, medical, and surgical appliances."

Both of the foregoing trade-marks were registered under the ten year clause of the Trade-Mark Act of 1905. Ownership is also pleaded of a trade-mark consisting of a representation of a pyramid, with the words

"Fans
EMERSON
Motors
Built to Last",

registered June 9, 1925,

"for nonoscillating electric fans, oscillating electric fans, electric ceiling fans, electric column fans, electric ventilating fans, electric exhaust fans, and electric motors."

The ordinary allegations of confusion in origin are made.

The parties took testimony. The appellant, on its part, showed that the scope of the distribution of its products was nation-wide and had been such for a long period; that distribution was initiated in 1900 and extended to 1905; that extensive advertising had been carried on; that the mark "Emerson" for dental, medical, and surgical appliances had been used continuously since 1924, the same name plate having been used on generators, fans, and electrical appliances; that the same name plates were used in motor generator sets for use with radio in 1921. From 1921, motors have been produced which have a name plate bearing the word "Emerson" prominently displayed thereon. Motors have been supplied for use with television apparatus, showing the word "Emerson" prominently displayed. This was about 1929.

The major part of the company's business is electric fans, distributed at retail through outlets which handle both radio and phonograph apparatus. Herbert I. Finch, a witness, testified that during the last two years quite frequently correspondence has been miscarried between the two companies, to the number of, perhaps, fifteen or twenty letters.

On cross-examination, the witness Finch testified that the special dynamotor for radio apparatus which he had mentioned in his testimony was a special dynamotor for radio work, and is the same as was referred to as the "Emerson 'B' Power Unit." These were sold directly to the consumer, and were used in place of the ordinary "B" batteries or vibrators. This power unit was placed upon the market first in 1932. The company has not patented this product, and does not manufacture complete television sets, or complete radio television receiving sets, or radio tubes. In addition to the dynamotor, the company has manufactured high voltage generators formerly used in transmission work, and motors for driving parts of radio and television apparatus. The witness was of the opinion that the use of the products of both the appellant and appellee under the mark "Emerson" would be confusing.

Emerson Radio & Phonograph Corporation, the appellee, filed an answer, alleging that the so-called radio "B" power units were not manufactured until long after the appellee had manufactured and sold its goods, bearing its aforesaid mark, and that the appellant did not at any time prior to appellee's entry into the field sell or offer any radio parts or radio products of any kind; that the appellee has established an extensive good will, and that the various products which it manufactures are recognized by its name, which is associated with the appellee. The applicant denies that the goods manufactured by the opposer are of the same descriptive properties as those of the applicant, and denies any interference or confusion with the mark used by the applicant. The applicant claims to be the owner of five trade-mark registrations, namely, a mark consisting of the written signature, "Victor H. Emerson", registered January 25, 1916, for use with phonographic machines and sound records; a mark consisting of a representation of a treble clef, registered May 25, 1920, for use with the sale of musical instruments and supplies; a mark consisting of a representation of a shield with the word "Emerson", registered April 6, 1920, in connection with the sale of phonograph records; a representation of a treble clef, superimposed upon the words "Emerson Records", registered May 30, 1922, in connection with the sale of phonographs and phonograph records; and a trade-mark consisting of a representation of a treble clef with the words "Emerson Phonoradio", registered May 29, 1927, in connection with the sale of complete radio receiving sets adapted to combination with phonographs.

It appears from the testimony of the witness Benjamin Abrams, who is the president of the Emerson Radio & Phonograph Corporation, that he has been connected with the sale of products under the name "Emerson" since 1916. In 1916 Abrams was associated with the company as jobber of Emerson phonographs and records. These records were at first sold with the trade-mark "Victor H. Emerson", and about a year after the business was started a trade-mark showing a clef and accompanied with the words "Emerson Records", was substituted.

At that time approximately six advertisements issued of various phonographs sold by the company, by which they were made known to the public. Among other advertisements at the time was one of January 10, 1920, in the Saturday Evening Post. Sometime in 1921, the Emerson company went into the hands of a receiver, and, in 1922, the company went into bankruptcy and the assets of the company were offered for sale. Abrams then purchased the assets, including the trade-marks, patents, good will, machinery, equipment, and inventory, with the exception of one patent, which were included within the company's property. Thereupon Abrams caused a new corporation to be formed, known as the Emerson Phonograph Company, Inc., to which was at once transferred all the assets which had been acquired by Abrams from the Emerson Phonograph Company, Inc. This new company engaged in the business of manufacturing phonographs and phonograph records. In 1923 the company initiated the manufacture and sale of a combination radio and phonograph, which was called the Emerson Phonoradio. This machine was extensively advertised in trade and other magazines. In 1922 Abrams made arrangements with a company in Peru, Indiana, under the name of Wasmuth-Goodrich Company, whereby Emerson Phonograph Company, Inc., granted to Wasmuth-Goodrich Company the right to manufacture a phonograph and use the Emerson name thereon. In 1923 it was decided by the Emerson Phonograph Company, Inc., to manufacture a combination radio and phonograph, using the phonograph that Wasmuth-Goodrich Company manufactured, and attaching thereto, in the place of business of the Emerson Phonograph Company, Inc., a radio set, thereby forming a combination radio and phonograph. At that time the Emerson Phonograph Company, Inc., found that an application was also pending from Wasmuth-Goodrich Company in the Patent Office, to register the name "Emerson" for a combination phonograph and radio. Opposition proceedings were started, and finally the proceedings resulted in a settlement whereby the Emerson Phonograph Company, Inc., acquired the rights claimed by Wasmuth-Goodrich Company. The trade-mark was assigned and transferred to Emerson Phonograph Company, Inc.

In 1924 the Emerson Radio Corporation and the Emerson Phonograph Company, Inc., merged under the name of Emerson Radio & Phonograph Corporation. The former corporation was formed for the purpose of segregating the phonograph business from the radio business. After the separate corporations were formed, it was decided by the companies to abandon the plan of operating two separate units, because of overhead and other reasons. Emerson Radio & Phonograph Corporation, since its organization, has been engaged in the business of manufacturing and selling radios, with a small percentage of phonograph business. Many of its products have been marketed with the treble clef as a trade-mark associated with the name "Emerson." The advertising of the company amounts to as much as $100,000 a year, and its goods have been extensively advertised throughout the country. The mark has been continued upon all of its products, and at the time of hearing approximately 12,000 dealers were engaged in the selling of these products, in ten or twelve countries. Mr. Abrams stated that in his knowledge of the business he had never known of any confusion in mail, or otherwise, between the two contesting companies. The products are sold in music, radio, hardware, and automotive stores, and, in some cases, drug, department, and furniture stores. The company sells only repair parts for the instruments it also sells, and does not make a business of manufacturing parts. The parts are largely purchased from other manufacturers.

The Examiner of Interferences was of the opinion that the opposition should be sustained and that the registration ought not to be allowed. On appeal, the Commissioner of Patents reversed the decision of the Examiner.

The principal controversy in this case arises out of the date when the parties entered the particular field in which the appellee is now engaged, namely, the manufacture of radios and phonographs. The opposer, by its testimony, attempts to prove that it was in this field at least as early as the appellee. This the appellee denies. Both parties took testimony. The Commissioner of Patents made these observations upon the point at issue:

It seems to me the goods involved in the instant proceeding are as different as were those disclosed in either of the cited cases. It is to be noted that applicant's description of goods is quite specific, and that the only "parts" of its various receiving sets to which its mark is applied are tubes, eliminators and loud speakers. Probably opposer's "radio 'B' power units" could properly be called radio parts, though the record is somewhat hazy in that regard; but it is fairly apparent that their manufacture was only temporary, that it occurred after applicant's established use of its mark on the goods described in the application, and that it had been permanently discontinued before the application was filed. It follows that with respect to this particular item opposer's trade-mark was not "owned and in use" by it so as to prevent registration to applicant under the provisions of Section 5 of the Trade-Mark Act, even though it be assumed that the goods were of the same class as those of applicant.

Counsel for appellant contend that radio parts were made by it before the appellee engaged in the

general making of radio parts. The testimony of the witnesses shows that, in a circular issued by the appellant in 1922, a motor generator adapted for radio work was advertised for sale. We have examined the circular with some care, and find an illustration of such a motor. However, there is no statement that this motor generator is not suitable for other purposes, and in so far as its appearance is concerned, it might well be used for other purposes. It does not appear that the appellant engaged in the making of any apparatus, especially adapted to and suitable for radio purposes, until 1930, when fans, with radio speakers attached, were offered for sale in the catalogs of the appellant. On one occasion, in January, 1924, the appellant offered for sale what was called "Gabels Automatic Entertainer," a sort of a music box, similar to a phonograph.

The real production of radio power units by the appellant began about 1932, and consisted of sales of special dynamotors which were used in lieu of "B" batteries or vibrators, in conjunction with small independent units of electric energy production. The testimony shows that the appellant has never been actively engaged in the production of radio receiving sets, or in any radio parts, except such production as has been mentioned in radio dynamotors.

This production was entered upon at a time long succeeding the entrance of the appellee into the field. Since 1924 it had been continuously and increasingly producing radio receiving sets, until its reputation and business had largely increased along these lines.

These corporations have been following their chosen lines for many years, without apparent conflict. A few letters have miscarried in the mails or have been misdirected, but such confusion seems to have been without serious consequences. Both parties have honestly built up valuable and extensive businesses. There seems to be no reason why they should not be permitted to continue to do so and to use the marks which have become familiar to the users of their goods.

The particular trade-mark which the appellee is attempting to register at this time is distinctive. The mark consists of several features, a striking feature of which seems to be the representation of a treble clef associated with the word "Emerson". The appellee entered the radio field first, and, considering the character of the goods of the respective parties at that time, no good reason appears why it should not be permitted to register its mark.

We observe that the mark sought to be registered contains the words "Radio and Television", which are disclaimed. We fail to find in the record any statement that the appellee is engaged in the sale or manufacture of television equipment. It is suggested to the Commissioner of Patents that it may be necessary to cause this application to be so amended as to omit the word "Television" on the return of the case to the Patent Office.

In our opinion the Commissioner of Patents came to the right conclusion, and his decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this case.

U. S. Court of Customs and Patent Appeals

HAGEN *v.* CORDS

No. 3,795. Decided April 5, 1937

[88 F.(2d) 998]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the issue of the interference is properly readable upon the disclosure of an earlier application of C., the filing date of which was prior to any date claimed by H., and that priority was properly awarded to C.

APPEAL from the Patent Office. Affirmed.

Mr. Henry E. Stauffer for Hagen.

Messrs. Strauch & Hoffman and *Mr. Ralph L. Stevens* for Cords.

BLAND, *J.:*

Appellant, Rudolf A. Hagen, has here appealed from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner of Interferences in awarding priority of invention in the subject matter of the single count at issue to the appellee Cords.

The interference involves the application of Hagen, filed September 6, 1932, and the application of Cords, filed April 22, 1932, as a continuation in part of his parent application filed February 4, 1931.

The count reads as follows:

In combination with means providing an annular packing ring groove, a set of light resilient rings of dished form snugly disposed in said groove but remaining in dished form therein, each ring consisting of at least one substantially complete convolution of thin ribbon-like metal, certain convolutions of the set of rings being arranged with their dished faces in opposition to the corresponding faces of certain other convolutions of the set, whereby the assembled packing when viewed in cross section has the appearance of several laterally engaged V-shaped sections the crotches of which are located in alignment adjacent the open edge of the groove.

The invention relates to piston rings. A complete ring consists of a set of two, four, six or more segments or elements, in pairs, which are made by bending them into circular shape from a thin, flat, light, oil-tempered steel ribbon. The ring is bent while cold on lines transverse to the width of the ribbon. The bending operation is so performed that a definite dish or cup shape is imparted to the ring segments—a frustro-conical shape. The rings are placed in the piston groove in such manner as to have two or more of the segments having the dished faces in opposition so as to form V-shaped channels or clearances. In reducing the diameter of the ring segments in applying them to the piston or in placing the piston in a cylinder, the segments take on a greater degree of dishing and, necessarily, upon pressure, fit more tightly upon the inner surface of the groove in the piston head. The invention is urged as being of great importance in the repair of worn automobile engines.

Appellant's three reasons of appeal upon which he relies are as follows:

1. The Board of Appeals erred in holding that the Cords early or parent application, Serial No. 513,440, filed February 4, 1931 (now patent No. 1,919,584), which has been used as the basis of the award of priority, supports the issue.

3. The Board of Appeals erred in construing the so-called "whereby" clause of the single count of the issue so as to inject thereinto an idea of structure not justified by the elements recited.

4. The Board of Appeals erred in holding that the word "snugly", as used in the issue of the interference to define the character of the fit of the rings in the grooves of the piston, found response in the Cords early application, No. 513,440, after holding that the disclosure of that application required a definite clearance of at least five one thousandths (.005) of an inch of said rings in their grooves.

We are of the opinion that the sole question presented here for decision, which we may consider, is the correctness of the action of the Board of Appeals in affirming the holding of the Examiner of Interferences that the subject matter of the count was disclosed in Cords' parent application.

Cords' parent application bears a date long prior to any date claimed by appellee either for conception or reduction to practice, and the controlling question in awarding priority involves the right of Cords to make the count. Appellant's first reason of appeal raises this question. The question raised by the fourth reason of appeal is involved in the decision of the first reason. The third reason of appeal, involves the consideration of patentability with which we are not here concerned. The Board's discussion of the "whereby" clause seems to have been with a view of distinguishing the count from the prior art and had nothing to do with the question of whether or not Cords' parent application disclosed the elements of the count at bar. We will, therefore, give no further consideration to the third reason of appeal.

Appellant's contention that the count does not read upon the parent application of Cords is predicated upon the proposition that the structure of Cords as disclosed in his parent application did not show rings which were "snugly disposed in said groove." Appellant states that the parent application as filed contained a statement that "The grooves are preferably filled with rings, a clearance of .005" being maintained in the groove," and points out that the Patent Office tribunals, in an interference proceeding with which we are not here concerned, held that the said Cords application definitely required a clearance of .005 inches between the sides of the ring and the sides of the groove in which the ring was placed, and argues that since the Patent Office had held in the earlier interference that a clearance of that amount was required, it was inconsistent for the Examiner of Interferences and the Board in this case to hold that Cords' said application disclosed that the rings were snugly disposed in the groove. This particular phase of the question is stressed here at considerable length. In fact it is the only point stressed by appellant, except the matter involving the "whereby" clause to which we have hereinbefore referred.

After the Board had affirmed the Examiner of Interferences on January 17, 1936, appellant filed a petition to rehear or amplify its decision, and on February 27, 1936, the Board, without a rehearing, "amplified" its former decision, adhered to its views formerly expressed, held that the count read upon the disclosure in Cords' parent application, and affirmed the award of priority in the issue of the count to the party Cords.

Concerning the question here involved, the Board said:

The only question properly before us on that appeal was the right of Corda to rely on his earlier application, 513,440, to support the count and such matters as were more or less directly related to this question. The Hagen brief, in arguing this point, stressed an alleged similiarity between the count and a claim held in our former decision to be unpatentable. In making this comparison, the party Hagen assumed that there had also been a holding that the claim to which the present count was compared was not supported by the earlier Cords application but as we pointed out, and as Hagen now concedes, there was no such holding. In passing on this holding, we disposed in the main of the contention on which Hagen's appeal was based.

There is some discussion in the Hagen brief of the term "snugly", which appears in the count, but not in the claim to which the count was compared. Certain claims which have previously been held not to be supported by the earlier Cords application required that the assemblage of rings be so related to the dimensions of the groove in which they were placed that such assemblage would be compressed or deformed in order to completely fill the grooves. In our decision on these claims, we held that the earlier Cords application did not support claims involving assemblage in this particular manner. If the word "snugly" in the present issue requires actual deformation or a fit in the groove without clearance, it is obviously not supported by the earlier application because there is a definite statement therein that a certain amount of clearance is provided for. It seems to us, however, that the term in question required nothing more than that the rings substantially fill the groove, whether there be slight clearance or not. In our opinion, the earlier application supports the count and the later application as well.

It is a well-settled rule in patent interferences where the question of interpretation of counts is involved, that the counts will be given as broad a construction as their language will reasonably permit. It seems to us that the appellant has asked, to say the least, a very narrow construction of the count. But, we believe that under any reasonable construction of the count, its elements were disclosed in Cords' parent application. It seems obvious that the flexibilities of the rings, the manner of their construction, and the manner in which Cords shows that they were to be placed into the grooves, suggests that they, we may say, were to *nestle* into the groove snugly. We find no definition of the word "snugly" given by any of the authorities which indicates that that term may be applied only to a very tight fit. The degree of tightness intended to be conveyed by the word "snugly" must necessarily depend on the connection in which it is used. What would be snug in one instance might be very loose in another. Cords in his parent application clearly taught the filling of the grooves, and we think he showed a filling of the grooves and a snug disposition of the rings notwithstanding the fact that there might be .005 inches clearance behind the rings. The fitting with which Cords was concerned was not that character of fitting which required air-tightness, or a precision ofttimes required in fitting many different journals and bearings connected with an automobile. We think the term "snugly" may be applied to Cords' parent disclosure appropriately as indicating that the rings would have to be so placed as to avoid large undesirable clearances which would defeat the purposes of the invention.

It follows that the decision of the Examiner of Interferences, holding that the count reads upon

appellee's original disclosure, and awarding priority of invention therein to the appellee, was not erroneous, and that the Board's decision affirming that of the Examiner of Interferences was correct. The Board's decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

U. S. Court of Customs and Patent Appeals

IN RE CHARMAN

No. 3,785. Decided May 3, 1937

[89 F.(2d) 667]

PATENTABILITY—INGOT MOLD ASSEMBLY.

Claims for an ingot mold assembly including a compressible sealing layer of cellular fibrous material *Held* unpatentable over the prior art and other claims which specify that the sealing layer is "combustible under temperature conditions existing during the teeming of an ingot" *Held* patentable.

APPEAL from the Patent Office. Modified.

LENROOT, *J.*, dissenting as to claims 12 to 17.

Messrs. Kwis, Hudson & Kent, Mr. A. J. Hudson, and *Mr. S. J. Boughton* and *Mr. Joseph W. Milburn* for Charman.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claims Nos. 12 to 17, inclusive, and 19 to 24, inclusive, in appellant's application for a patent for an alleged invention relating to "Improvement in Bottom Ring for Hot Tops."

Several claims were allowed. Of the rejected claims, Nos. 13 and 19 are illustrative. They read:

13. The herein described ingot mold assembly comprising upper and lower ingot mold elements matching horizontally to form a continuous mold cavity a substantial portion of which is within the lower mold element, and a compressible sealing layer of corrugated board combustible under temperature conditions existing during the teeming of an ingot lying horizontally between the adjacent surfaces of the lower and upper mold elements.

19. The herein described ingot mold assembly comprising upper and lower ingot mold elements matching horizontally to form a continuous mold cavity a substantial portion of which is within the lower mold element, and a highly compressible sealing layer of cellular fibrous material lying horizontally between the adjacent surfaces of the lower and upper mold elements.

The references are: Adams, 1,457,763, June 5, 1923; Ramage et al., 1,813,508, July 7, 1931; Messler et al., 1,893,206, Jan. 3, 1933; Messler et al., 1,893,207, Jan. 3, 1933.

In its decision the Board of Appeals said:

Claims 12 to 17, inclusive, are copies of claims 1 to 6, inclusive, of the patent to Messler et al., No. 1,893,206. The instant application was involved in Interference No. 66,227 with the patent to Messler et al., No. 1,893,207. In that interference Charman moved the admission of his claims 12 to 17 for interference with Patent No. 1,893,206. This motion was denied by the Examiner of Interferences and on Charman's appeal the Examiner's decision was affirmed by this Board.

The denial of Charman's right to make these claims of Patent No. 1,893,206 was based on the holding that the Charman application does not fairly disclose a sealing layer made of material which is combustible under temperature conditions existing during the teeming of an ingot.

It may here be said that Interference No. 66,227, referred to by the Board, was decided by that tribunal and appealed to this court, Charman being the appellee therein. That interference involved but one count, which was claim 18 of appellant's application and claim 2 of the patent to Messler et al., No. 1,893,207. On motion of Charman, the appeal was dismissed on May 4, 1936, because of appellant's failure to prosecute.

Claims 19 to 24 differ from claims 12 to 17 in that they do not contain the limitation that the sealing layer of cellular fibrous material is "combustible under temperature conditions existing during the teeming of an ingot."

Appellant's specification states that the invention has particular reference to "improvements in non-floating hot tops of that class in which metal castings are employed"; that the hot top rests upon the ingot mold during the pouring operation; that the joint between the casing and the hot top must be relatively tight in order to prevent molten metal from entering it; that solidification of molten metal in the joint

"tends to 'hang up' the ingot thereby interfering with its natural shrinkage during cooling, and serves to weld the two surfaces together."

After a description of the upper surface of the ingot and lower end surface of the hot top, the specification states that one of the objects of the invention is to provide a

"yieldable pad or gasket between the hot top casing and ingot mold in order to effect a good seal for this joint, and preferably an extension of this pad or gasket inwardly and upwardly to constitute a lining for a portion of the hot top as a protection for the inner wall thereof."

Figure 2 of appellant's drawings is a vertical section view of a hot top in which the gasket referred to is shown. In his specification appellant describes the gasket, designated by the numeral 19, as "non-inflammable," and states that—

By the term "non-inflammable" as herein applied to the member 19 I intend to include any material which will *not* burn or which will burn *with difficulty*, fibrous material being preferred.

This material should also be somewhat resilient or yielding * * *. [Italics ours.]

It will be noted that in the group of claims under discussion—12 to 17—the sealing layer or gasket is composed of a material "*combustible* under temperature conditions existing during the teeming of an ingot." [Italics ours.]

In claims 13, 14, and 16 the material specified is "corrugated board." In claims 12, 15, and 17 it is referred to as "cellular fibrous material."

During the *ex parte* prosecution of this case, appellant filed affidavits respecting tests made by one Lemmerman, a chemical research engineer, in an effort to show that the decisions in the interference case were based upon an erroneous assumption as to the combustibility of appellant's gasket.

It is stated in the affidavit of Mr. Lemmerman that he conducted certain experiments or tests for the purpose of discovering what, if any, differences would appear in the operation of a mold and hot top "with a gasket of ordinary corrugated board interposed between the hot top and mold," a "gasket of fire-proofed corrugated board," and a "gasket of

corrugated asbestos board"; that in making the tests the affiant

"used apparatus and conditions simulating, as nearly as it is possible to do in a laboratory, actual working conditions";

that he found that the

"effect of molten metal upon gaskets in an assembly of mold and hot top would be essentially the same whether the gasket was made from ordinary *untreated corrugated board* or from the same type of corrugated board treated with a fire-proofing agent, in other words deponent found that the corrugated board in each instance was destroyed for approximately the same distance back from the joint exposed to the molten metal";

that the

"destruction or disintegration of the asbestos corrugated board at the temperature of molten metal was approximately the same as that of the ordinary untreated or treated corrugated board";

that the apparatus used by him in making the tests consisted of

"two steel plates or bars two and one-half inches thick by four and one-half inches wide and twenty-four inches long, which plates were drawn together by means of bolts and nuts until the corrugations were partly crushed, a degree of compression approximately equal to that which would obtain under actual working conditions."

Affiant further stated that by his experiments he determined

"that corrugated board is inflammable, that is when ignited it burns freely with a flame, that corrugated board thoroughly treated with trisodium phosphate, as were the samples which he employed in the said tests, is a material which is not inflammable, that is to say it will not burn with a flame even though there be plenty of air to support combustion, that it is a material which is difficult to destroy by combustion although it may be so destroyed slowly or by the continued application of a hot flame, as for instance an air and gas torch flame; * * * that untreated and fire-proofed board of the same physical character, when not subjected to flame, char at the same temperature, that is to say about 500° F.; and that asbestos corrugated board does not begin to char until subjected to a temperature of around 1100° F.; but that all three of these materials when subjected to the temperature of molten iron or steel, that is about 2600° F., char and disintegrate at about the same rate." [Italics ours.]

It was the view of the Patent Office tribunals in the interference proceeding, as stated by the Board of Appeals in the quoted excerpt from its decision, that appellant's application, as originally filed, could not reasonably be said to teach the use of a material "combustible under temperature conditions existing during the teeming of an ingot."

The Primary Examiner discussed the issues in the case at considerable length, and, among other things, stated that appellant's application discloses a non-inflammable annular gasket; that appellant stated in his application, as originally filed, that he intended to use a non-inflammable material somewhat resilient or yielding, "fibrous material being preferred"; that he stated that the term "non-inflammable" was intended to mean material which will not burn or which will burn with difficulty; that the only other references in appellant's application, as originally filed, to the material which he intended to use were in his original claims 8 and 9, wherein it was referred to as "a non-metallic non-inflammable strip"; that, at the time appellant's application was filed—January 28, 1931, the

"only cellular material taught by the art for this purpose was corrugated asbestos board—a well known non-inflammable material,"

and, since appellant did not mention any specific material in his application, it must be assumed that he intended to refer to material known to the art; that if he had discovered that "corrugated paper board *which was new to the art*" was satisfactory for "his purpose," he would have specifically disclosed it in his application so as to enable one skilled in the art to make use of it, in accordance with the provisions of section 4888, R. S. (U. S. C. Title 35, section 33); that as his application stressed the non-inflammable character of the material used as a gasket, appellant did not contemplate the use of ordinary corrugated board for that purpose, and, therefore, the "expression burn with difficulty" should be looked upon

"as an attempt to broaden the range of equivalents, a vague and prophetic expression which contempletely fails to satisfy Sec. 4888, R. S.";

that in view of the fact that appellant's application, as originally filed, was silent as to the temperature at which his gasket material would "burn with difficulty," the only reasonable interpretation of that phrase is that his gasket material would burn with difficulty "*at the temperature existing in the mold when the metal is poured*," and, accordingly, held that appellant's application did not contain an adequate disclosure to support appealed claims 12 to 17. [Italics quoted.]

In its decision, the Board of Appeals quoted the following from its prior decision in the interference case hereinbefore referred to:

The claims in the patent to Messler et al. No. 1,893,206 are limited to a construction in which the sealing layer of cellular fibrous material is combustible under temperature conditions existing during the teeming of an ingot. The patent specification states it is important that the material be combustible at the temperature existing in the ingot mold during pouring. The inner edge of the annular gasket member extends within the mold cavity and the patent states that the portion of the sealing material which extends into the mold cavity is decomposed by combustion or charring with relative rapidity and the material which lies compressed between the two mold elements is consumed relatively slowly. It further states that the patentees have found that even though the sealing material be of a highly combustible nature, the seal formed by it persists for a sufficient length of time to permit the ingot metal to cool below its temperature of high fluidity.

We do not believe that the Charman application as filed fairly disclosed this concept of using combustible material. The emphasis therein appears to be on the non-inflammable character of the material and while in one sentence it is stated that the material used will not burn or will burn with difficulty, we believe the intention was that the material should be substantially non-combustible. As pointed out by the examiner, the claims in the patent were allowed over the patent to Adams No. 1,457,763 disclosing a sealing member made of corrugated asbestos in view of their inclusion of the limitation as to combustibility * * *,

and affirmed the decision of the Primary Examiner holding that appellant's disclosure was not sufficient to support claims 12 to 17.

It is conceded by counsel for appellant that appellant's right to make claims 12 to 17 must be based primarily upon his disclosure. It is stated by counsel, however, that the purpose of the affidavits was to show that the tribunals of the Patent Office erred in holding that the expression "combustible under temperature conditions existing during the teeming of an ingot," contained in claims 12 to 17, excludes material "which will burn with difficulty"; that the affidavits clearly show that "at least one fibrous material which burns with difficulty is combustible at these high temperatures"; that appellant's application does not specify any particular material to be used as a gasket, and is, therefore, sufficiently broad "to include any yieldable fibrous material which burns with difficulty, such as,

for example, fire-proof corrugated board"; that appellant preferred a material so treated as to make it slow burning; that the tribunals of the Patent Office were in error in holding that the phrase "burn with difficulty" implied conditions of temperature prevailing during the teeming of an ingot; that it

"is generally recognized that in patent specifications, when no temperature is mentioned, ordinary atmospheric temperatures are intended. This is a well recognized rule particularly in chemical cases. While the present case is not strictly a chemical one, it comes within the field of metallurgy, which is a branch of chemistry, and it would seem should be subject to the rules of interpretation in chemical cases";

that it would be ridiculous to limit appellant's gasket material to such as would "burn with difficulty" under temperature conditions existing during the teeming of an ingot—about 2600° F., as any

"fibrous material that will burn at all will burn without difficulty at such an extremely high temperature as 2600° F. It is only at much lower temperatures that this expression could mean anything."

It is conceded by counsel for appellant that the term "non-inflammable" excludes ordinary corrugated board, and that there is nothing in appellant's application

"to indicate that he had any intention of using for a gasket, a material which would be freely combustible, that is to say combustible under ordinary conditions."

Counsel for appellant argue, however, that appellant did not intend to limit himself to a gasket material which would be non-combustible at the pouring temperature of molten metal.

It would seem to be clear that if counsel for appellant are correct in the position taken by them, that is, that, as no temperatures were mentioned in appellant's application, "ordinary atmospheric temperatures are intended," and that the phrase "burn with difficulty" must be so interpreted, then the same rule should apply to the phrase "which will not burn," and also to the term "non-inflammable." This, we think, is a wholly untenable proposition.

It is suggested by counsel for appellant that the limitation in the claims as to combustibility is not important and does not improve the action of the gasket. That may be so. The question before us, however, is whether the limitations in the appealed claims are disclosed in appellant's application. If they are, he is entitled to make the claims. If they are not, he is not entitled to make them. No authorities need be cited in support of that proposition.

Counsel for appellant further contend that the claims do not call for "ordinary corrugated board," nor "merely combustible material," but do call for "material [including 'treated corrugated board as well as ordinary corrugated board'] which is combustible at the temperature of 2600° F." (which temperature is referred to in the Lemmerman affidavit as about the temperature of molten iron or steel), and that the Board erred in holding that the language contained in the appealed claims—"combustible under temperature conditions existing during the teeming of an ingot"—was "equivalent to the term 'combustible' merely."

Although it appears from the decisions of the Primary Examiner and the Board of Appeals that in the interference proceeding it was held that appellant's application did not teach the use of a material "combustible under temperature conditions existing during the teeming of an ingot," the Primary Examiner, in the instant case, stated, as hereinbefore noted, that appellant's

"specification is entirely silent as to the temperature at which the material must burn with difficulty but the only reasonable interpretation is that it must burn with difficulty *at the temperature existing in the mold when the metal is poured.*" [Italics quoted.]

The Board of Appeals, in affirming the decision of the Primary Examiner, did not refer to that holding. It must be held, therefore, that it intended to affirm the Examiner therein.

It will be observed that, in his application, appellant specified that he contemplated the use of two kinds of somewhat resilient or yielding cellular fibrous material, namely, that which will not burn, and that which will burn with difficulty. By the term "burn with difficulty" we think it is clear, as stated by the Primary Examiner, that appellant intended to use a gasket material which would burn, although slowly and with difficulty, "*at the temperature existing in the mold when the metal is poured,*" that is to say, it would burn with difficulty under "temperature conditions existing during the teeming of an ingot." [Italics quoted.]

In its decision, the Board stated that the appealed claims

"are *limited* to a construction in which the sealing layer of cellular fibrous material is combustible under temperature conditions existing during the teeming of an ingot." [Italics ours.]

We are in agreement with that holding.

The Board further called attention to the fact that the patentees, Messler et al., stated in their specification that it was "important that the material be combustible at the temperature existing in the ingot mold during pouring." The Board also referred to the following statements contained in the patentees' specification:

It should be understood that when an ingot is teemed into the mold, the exclusion of air from the combustible sealing material by the ingot metal itself *prevents instantaneous combustion of the material,* but that on the contrary this *material will char;* the portion *of the sealing material which extends into the mold cavity being decomposed by combustion or charring with relative rapidity, and the material which lies compressed between the two mold elements being consumed relatively slowly.*
We have found that even though the sealing material be of a highly combustible nature, the seal formed by it persists for a sufficient length of time to permit the ingot metal to cool below its temperature of high fluidity. [Italics ours.]

It may be said at this point that the Primary Examiner held that the words "corrugated board" were intended by the patentees to refer to ordinary corrugated board, which, it may be said, is a highly combustible material.

Assuming that the phrases "corrugated board," contained in claims 13, 14, and 16, and "cellular fibrous material," contained in claims 12, 15, and 17, might be interpreted to mean a "highly combustible material," the claims, nevertheless, are clearly not so limited, but, on the contrary, call for a gasket material "combustible under temperature conditions existing during the teeming of an ingot."

We think it is clear from their specification that the patentees had in mind, and so taught, that that portion of their gasket material which extended into the mold cavity would become "decomposed by combustion or charring with relative rapidity"; whereas that portion of the gasket material "lying horizontally between the adjacent surfaces of the lower and upper mold elements," as stated in the claims under consideration, or, as stated in the specification, the "material which lies compressed between the two mold elements" would be "consumed *relatively slowly.*" [Italics ours.]

Reading appealed claims 12 to 17, therefore, in the light of the patentees' specification, as did the tribunals of the Patent Office, we think it is clear that they were not intended to be limited to a "highly combustible" gasket material "lying horizontally between the adjacent surfaces of the lower and upper mold elements," but were intended to include materials, which, lying in that position, although "consumed relatively slowly," are "combustible under temperature conditions existing during the teeming of an ingot."

But, even though the patentees' specification be ignored, it is clear, we think, that appellant's application, as originally filed, discloses a cellular fibrous gasket material, which, when "lying horizontally between the adjacent surfaces of the lower and upper mold elements," as called for by the appealed claims, will burn slowly and with difficulty "under temperature conditions existing during the teeming of an ingot." There is no other reasonable interpretation to be placed upon the language "burn with difficulty," contained in appellant's application.

As we understand the Examiner's decision, the tribunals of the Patent Office did not hold in the interference proceeding that a "substance difficult to burn was non-combustible," and we think it is obvious that a gasket material which burns with difficulty under temperature conditions existing during the teeming of an ingot is combustible under such temperature conditions. Accordingly, we are unable to hold that appellant's application, as originally filed, is insufficient to support appealed claims 12 to 17.

As hereinbefore noted, claims 19 to 24 differ from claims 12 to 17 in that they omit the phrase "combustible under temperature conditions existing during the teeming of an ingot." Those claims were held unpatentable by the Patent Office tribunals over the patent to Ramage et al., in view of the patent to Adams, or over Adams alone.

The patent to Adams relates to a method of casting ingots and a seal for ingot molds, and discloses gasket material made of corrugated asbestos paper—a cellular fibrous material. The paper is made into the form of tubes which are cut into rings.

The patent to Ramage et al. relates to an ingot mold, and discloses a gasket material of "sheet metal such as sheet steel, or of heavy paper or other non-refractory material."

It is the contention of counsel for appellant that the patent to Adams does not disclose a corrugated board lying horizontally between the adjacent surfaces of the lower and upper mold elements, as called for by the appealed claims now under consideration; that not only the corrugations, but also the "lining paper which holds the corrugations in position are placed on edge"; that the patentee "may have deemed it necessary to have his air spaces closed, and may have shown the vertical arrangement of the corrugations on that account."

It is true that the patentee Adams discloses the corrugations in his gasket material as being vertical, although he stated in his specification that they might run horizontally instead of vertically. Whether appellant's corrugations are horizontal in his gasket material, is not important here, as there is nothing in the claims under consideration which calls for a horizontal arrangement of the corrugations. Some of the claims, particularly 19 and 24, call for a "sealing layer of *cellular fibrous material* lying horizontally between the adjacent surfaces" of the lower and upper mold elements; whereas, 20, 21 and 23 call for a "sealing layer of *corrugated board*" lying horizontally between the adjacent surfaces of the lower and upper mold elements. [Italics ours.] Claim 22 merely refers to a "cellular fibrous material lying between the adjacent surfaces of the lower and upper mold elements."

It clearly appears that the gasket (f), in Fig. 1 of the drawings in the patent to Adams, is "lying horizontally between the adjacent surfaces of the lower and upper mold elements," although the corrugations therein appear to be in a vertical arrangement.

We are in accord, therefore, with the holding of the Board of Appeals that appealed claims 19 to 24 are not patentable over the references of record.

However, for the reasons hereinbefore stated, we are of opinion that the Board erred in holding that appellant's disclosure was insufficient to support claims 12 to 17, and that, therefore, he was not entitled to make them.

Accordingly, the decision of the Board of Appeals is modified, being reversed as to claims 12 to 17, and affirmed as to claims 19 to 24.

Modified.

LENROOT, *J.*, dissents, as to claims 12 to 17.

U. S. Court of Customs and Patent Appeals

IN RE WILLIAMS

No. 3,755. Decided May 3, 1937

[89 F.(2d) 674]

PATENTABILITY—PROCESS OF TREATING WOOD PULP.

Claims for a process of treating wood pulp for making sanitary pads *Held* unpatentable as defining no invention, in view of the prior art, over the claims of applicant's patent for the pad.

APPEAL from the Patent Office. Affirmed.

Messrs. Moses & Nolte, Mr. Albert C. Nolte, Mr. I. R. Paris, and *Mr. Clarence M. Crews* for Williams.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirm-

ing the decision of the Primary Examiner rejecting claims Nos. 11, 13, 17, and 18 in appellant's application for a patent for an alleged invention relating to a process of treating wood pulp and the like.

Many uses for the pulp, treated by appellant's process, are recited in his specification, among them that of making sanitary pads, and claim 18 specifies such an article. This use was greatly emphasized in oral argument on appellant's behalf.

We quote claims 11, 13, and 18 as illustrative of the appealed claims:

11. The process of treating wood pulp or similar material consisting in forming the wood pulp into a sheet with the individual fibres thereof relatively loosely united to each other carding the pulp, felting such carded pulp, forming said pulp into a strip, applying a material having adhesive properties and comprising a starchy material to a surface of the pulp so as to impregnate a portion only of the thickness of the strip and securing together the adhersive coated faces of two sections of such treated pulp to form a composite strip having an intermediate compacted stratum leaving the outer layers in a relatively loose and fluffy condition.

13. The process herein described which consists in forming wood pulp into a sheet with the individual fibres thereof relatively loosely united to each other, carding such sheet, condensing such carded material to form a continuous strip of felted material and applying aqueous starch to a surface of the material.

18. The method of making sanitary pads from wood pulp sheets having wood fibers loosely united, such sheets having a relatively high density and a relatively low absorptiveness rendering the same unsuitable for use in sanitary pads, said method comprising the steps of carding the said sheets and converting the same into an extremely light soft and fluffy material closely resembling cotton in very light condition and converting such material into a continuous strip of dimensions suitable for sanitary pads by felting the same only sufficiently to interlock the variously arranged pulp fibers to give the same a satisfactory degree of strength and rendering the said strip highly absorptive and readily disintegrable in water, then severing successive end portions of the strip to form individual sanitary pads of appropriate size.

The references are: Weiss, 1,489,567, April 8, 1924; Williams, 1,702,530, February 19, 1929; British patent, 24,183, December 16, 1914.

Although the claims are more or less self-explanatory, nevertheless, we deem it advisable to quote from the brief of counsel for appellant relative to the process here claimed:

Briefly described, the method consists in (1) subjecting wood pulp to a preliminary treatment so as to form therefrom wood pulp sheets having the individual fibers of the sheet relatively loosely united to each other * * *, (2) carding this sheet material so as to tear apart the fibers of the sheet, thus converting the pulp into an extremely light, fluffy material closely resembling cotton in very light condition * * *, (3) forming such material into a continuous strip of dimensions suitable for sanitary pads, by felting the material only sufficiently to interlock the variously arranged pulp fibers to give the felted strip a satisfactory degree of strength and to render the strip highly absorptive and readily disintegrable in water * * *, (4) spraying a surface of the strip with aqueous starch or similar material * * *, and (5) forming a duplex strip from two of the strips by placing them together so that the layer of starch intermediate the strips acts to bind the whole pad together and to give it adequate strength throughout * * *.

It is pointed out in the brief of counsel for appellant that the appealed claims are not limited to the particular manner of treating the wood pulp, this step being covered in some of the allowed claims. It is said that the purpose of the appealed claims

"is to cover the methods recited in the claims without specific limitation to the manner of the *preliminary* treatment of the pulp." [Italics ours.]

The patent to Weiss relates to insulating material made from loose fibrous material fed into a shredding machine where the fibers are separated into "individual particles" in such manner that they may be deposited upon a support to form a "flocculent layer of heterogeneously arranged" individual fibers which can be cemented together by an adhesive, and teaches that the result sought may be obtained by brushing or combing the fibers with a stiff wire brush rotating at a high rate of speed. The shredded or combed material is spread in a thin layer on a moving conveyor screen, sprayed with an adhesive agent, and subjected to a countercurrent of hot air. It is then coated on one or more surfaces with a substantially air-resisting and moisture-resisting material, "such, for example, as asphalt, pitch, rubber, or the like."

The British patent is for a method of producing cellulose wadding. In the process, rolls of dry cellulose pulp board, made in paper-making machines and having their fibers lying substantially parallel to one another, are utilized as the raw or starting material. The material is passed over a series of disintegrating or carding rollers, which may rotate in a direction opposite to the main rollers, and one of which preferably operates at a greater velocity than one of the main rollers. According to the patentee, this operation produces a

"mass of very loose and flocky or snow like fibres. The latter are then led to a travelling transport band, from whence they will pass through pressure rollers where [by uniting the fibers] they are formed into a light fleece or fabric."

The patent to Williams, who is the applicant in the instant proceeding, was granted upon an application filed subsequent to the filing date of the involved application. Its claims are for the product resulting from the process here sought to be patented. The pad shown in the patent consists of upper and lower layers of readily disintegrating, highly absorbent material, between which layers, according to the specification, is a coating consisting preferably of "potato flour, cornstarch, taploca, dextrine or gelatine," which causes "the adjacent surfaces of such layers to adhere."

It is argued on behalf of appellant, in substance, that Weiss was not concerned with the manufacture of sanitary pads; that the designation of asphalt, coal tar and similar pitches, rubber, solution of gums, resins, etc. as proper adhesive agents by which the "mat" produced by the patentee can be rendered "fire-proof, rat-proof and moisture-proof" indicates how far afield the Weiss patent is from the problem confronting appellant; that the material produced by the patentee's process is not loose and fluffy, and the outer layers of his "mat" are not highly absorptive, as required by appellant's process; and that

"The outstanding characteristic by which the Weiss disclosure may be differentiated from the invention of the appealed claims * * * is that the practice of the Weiss method yields"

an entirely different product.

It should be remembered that the claims here involved are directed to a process, not to an article. Accordingly, the mere fact that Weiss used a different adhesive and secured a different product does not necessarily, as stated by the Solicitor for the Patent Office,

"indicate that there is any difference in the process so far as the step of using an adhesive is concerned."

In re Dreyfus, 20 C. C. P. A. (Patents) 1204, 65 F.(2d) 472, 437 O. G. 7.

As to the British patent, appellant argues that it does not disclose the step of forming the wood pulp into a sheet with the individual fibers relatively loosely united to each other; that it does not disclose the step of felting the carded pulp; and that as the "loose and flocky snow like fibers" drop onto the conveyor they are merely a mass, which, after being compressed, is in the form of a "light fleece or fabric." The drawing, it is said, shows the compressed mass to be in the form of a "thin sheet."

There is nothing in the appealed claims which limits the thickness of the sheet, and we think it is clear from the method described in the British patent that when the mass of very loose and flocky snow-like fibers is placed on a traveling transport, the fibers are in sheet form, as shown in the drawings of the patent, and are relatively loosely united to each other.

In appellant's brief it is stated that "felting", as used in the appealed claims, means

"felting the material only sufficiently to interlock the variously arranged pulp fibers to give the felted strip a satisfactory degree of strength and to render the strip highly absorptive and readily disintegrable in water."

We think it is clear, as stated by the Board of Appeals, that uniting fibers into a fleece or fabric, as stated in the British patent, is the equivalent of "felting", as defined in appellant's application.

Relative to appellant's own patent, it is pointed out in his brief that the application therefor having been copending with the instant application, the patent does not constitute prior art with reference to the present application. It is argued that the patent is not concerned with the manner in which the layers are made, nor

"with the steps of 'forming the wood pulp into a sheet with the individual fibers thereof relatively loosely united to each other' or the carding of the sheet,"

specifically described in the appealed claims, and that it could be used only for the purpose of preventing double patenting.

The Primary Examiner stated that appellant's patent discloses the

"adhesion of two * * * sheets of fluffing pulp by means of starch adhesives and the granting of an additional patent on the process would have the effect of illegal—prolonging the life of his article patent,"

and that

"claim 18 as well as the other claims is believed to be properly rejected since so far as the laminated feature is concerned, this is covered by applicant's patent and insofar as the felt forming steps are concerned, they are old or conventional steps commonly taken to produce felts."

Each of the tribunals of the Patent Office referred to appellant's application, Serial No. 294,501, relating to a process for making the pad shown in his Patent No. 1,702,530, and, with regard thereto, the Board of Appeals said:

The disclosure in said application was the same as in the patent. On an appeal to the Board of Appeals, the claims to the method were held to be unpatentable over what was claimed in the patent because they merely recited the obvious way of making pads claimed in the patent. The present application contains additional disclosure as to the preliminary steps of making the pulp into the desired form for constructing the strips from which the pads are made. The Examiner holds that these steps are old in prior art patents and as they are more or less independent of what is the final article made from the prepared pulp, applicant has made no patentable advance over what he has claimed in his prior patent by employing these old preliminary steps in preparing the pulp. Applicant argues that the patents cited do not show these preliminary steps or their equivalent.

In reply to that statement of the Board, counsel for appellant state in their brief that—

Claim 11 now on appeal differs from the subject matter refused in Serial No. 294,501 by reciting the step of "forming the wood pulp into a sheet with the individual fibers thereof relatively loosely united to each other." This step is not disclosed in applicant's issued Patent No. 1,702,530, nor was it claimed in Serial No. 294,501.

For the reasons heretofore pointed out in discussing the patent to Weiss and the British patent, it is submitted that the "preliminary steps" referred to by the Board of Appeals are clearly not present in the reference patents.

It would seem from the quoted statement of counsel that the only step in the involved claims not present in the claims of appellant's application, No. 294,501, is that of "forming the wood pulp into a sheet with the individual fibers thereof relatively loosely united to each other," which step appellant alleges is not disclosed in his patent.

We are of opinion, as were the tribunals of the Patent Office, that that step is clearly disclosed in the British patent.

It will be observed that claim 18 includes the additional step of "severing successive end portions of the strip to form individual sanitary pads of appropriate size." This is the only step not disclosed in the references. However, it was evidently included in the process claims of appellant's application No. 294,501, but, whether it was or not, it certainly does not involve invention to sever the sheet material used by appellant at the proper places to "form individual sanitary pads of appropriate size."

After describing the references of record somewhat in detail and referring with approval to the holding of the Primary Examiner, the Board of Appeals concluded its decision with the following statement:

All of the claims include the steps of forming wood pulp into a sheet with the individual fibers thereof relatively loosely united to each other carding the sheet and felting such carded pulp. We believe that the British patent shows the full equivalent of these steps. We do not believe any invention is involved in employing these steps in making the strips from which the pads are formed in applicant's prior patent.

Having already discussed the important contentions made by counsel for appellant, we deem it unnecessary to mention others set forth in their brief.

We are in accord with the conclusions reached by the Patent Office tribunals, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

DIETERICH *v.* LEAF

No. 3,773. Decided April 5, 1937

[89 F.(2d) 226]

1. INTERFERENCE—DESIGNS—REDUCTION TO PRACTICE.
   The making of a drawing of an ice cream cone and exhibiting it to others *Held* not to constitute a reduction to practice.
2. SAME—SAME—PRIORITY.
   Record reviewed and priority *Held* properly awarded to L.

APPEAL from the Patent Office. Affirmed.

Mr. Albert E. Dieterich, pro se.

Messrs. Williams, Bradbury, McCaleb & Hinkle, and *Mr. Robert H. Wendt* for Leaf.

GARRETT, *J.*:

This is an appeal in an interference proceeding arising in the United States Patent Office between a patent to the party Leaf, issued October 31, 1933 (for a period of fourteen years), upon an application filed July 31, 1933, and an application of the party Dieterich filed November 7, 1933, the subject matter being a design for ice cream cones of a "double header" type. Leaf is the senior party, the patent to him having, in fact, been issued prior to the filing date of Dieterich. The Examiner of Interferences and the Board of Appeals concurred in the finding that Dieterich was not entitled to any date earlier than his filing date for reduction to practice. The Examiner of Interferences also held that even if there was reduction to practice by reason of the facts hereinafter related, at the time claimed by Dieterich, there was such "concealment, suppression or abandonment" as to require an award of priority to the senior party, under the case of *Mason* v. *Hepburn*, 13 App. D. C. 86, 84 O. G. 147.

The latter ground was nowhere alluded to in the decision of the Board of Appeals.*

*In the case of *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 78, we held, in effect, that unless the Board expressly reverses some ground of an Examiner's adverse decision, the Board's general affirmance would be treated as having the legal effect of a rejection upon all the grounds and references cited by the Examiner. This we understand to have been the rule usually followed by the Court of Appeals of the District of Columbia (now the United States Court of Appeals of the District of Columbia), our predecessor in this jurisdiction. The rule, we think, is correct, especially as to prior art references which the Examiner may cite, but we deem it not improper to direct attention to the fact that, in the *Wagenhorst* case, supra, we quoted the relevant portion of section 482 R. S. (35 U. S. C. A. 6), defining the duty of the Board in cases appealed to it, and said "It would seem that this duty is not fully performed without a review of *all* adverse decisions by the Examiner." It is, to say the least, quite desirable that there should be a finding by the Board itself upon each question decided by the Examiner which, standing alone, would be determinative of a case, in order to avoid a remand in the event of the court finding itself in disagreement upon the point or points which the Board regards as decisive.

The question of reduction to practice in the instant case may be stated thus: Does the completion of a mere drawing of a design with exhibition thereof to the public constitute reduction to practice of the design?

Peculiarly, in view of the long period (beginning in 1842) during which design patents have been authorized by statute, the question of just what constitutes reduction to practice of a design, although several times the subject of consideration and decision in the Patent Office, does not seem ever to have been definitely defined by any court. See the case of *In re William Schnell*, 18 C. C. P. A. (Patents) 812, 46 F.(2d) 203, 405 O. G. 3, for a review of the design patent statutes.

The particular state of facts here before us is, in substance, as follows: Appellant is a patent attorney. Acting in that capacity, he, beginning in 1929, represented a client by the name of James Balton in the prosecution in the Patent Office of an application for patent for design of an ice cream cone. The application was rejected by the Examiner and appeal was taken to the Board which seems finally to have granted the patent on November 20, 1934. Mr. Dieterich, as attorney for Balton, filed a brief before the Board and in connection therewith filed certain drawings made by himself with which to illustrate his argument. The drawings upon a sheet of paper, designated "Exhibit C to the brief," disclosed four different shapes or forms of cones which are comprised in the drawings of the Dieterich application here at issue, Figure 3 thereof being stated to constitute "the subject-matter of the present application in interference." Exhibit C was filed in the Patent Office, along with the brief, on June 12, 1930, a little more than three years prior to the filing date of the Leaf application. Previous to the exhibit being filed with the brief it, or a sketch like it—Balton thinks the original—was shown to Balton, this occurring according to Balton's testimony, during the last of May, 1930. The testimony of appellant indicates that he also disclosed it to persons in his employ. Appellant stated in his testimony that his drawings were modifications "of form of the Balton double header cone," and in explaining why he did not earlier file an application for patent said:

> At the time I made up this design in May, 1930, I did not consider that it was a matter involving invention as it seemed to me to be simply an obvious modification of the Balton double header cone. However, when I became advised of the issuance of the Leaf patent involved in this interference and found that the Patent Office had apparently considered the design to involve invention I accepted the view of the Patent Office and filed this application, and asked for an interference in order to prove my priority.

Balton testified that cones in conformity with his design were placed on the market commercially about March, 1930, and there are on file as exhibits prints from photostatic copies of advertisements of them, containing pictures of the cones. The photostatic copies, appellant testified, were filed with the brief before the Board in 1930.

We quote the following additional testimony of appellant because it embraces in part the idea expressed in the argument on his behalf upon the question of reduction to practice:

> Q. 4. Did you ever make an ice cream cone of the form disclosed in Figure 3 of Exhibit C, i. e., the form disclosed in the present application in interference? If not why? A. I did not, for the simple reason that in my humble opinion it was not necessary, to make up this form into an actual cone. The Balton double pocket cones constructed as shown in the advertising pages which accompanied the brief before the Board of Appeals in the Balton application, and photostats of which are attached to the certified copy, had both been put upon the market and found to be successful reductions to practice. As the cone which I designed was a mere modification of the form of the Balton double header cone and from a mechanical standpoint in all respects the equivalent thereof there was no necessity for embodying the design which I made into an actual ice cream cone. The mere making of the drawing or sketch known as Exhibit C attached to the brief before the Board of Appeals and its disclosure to Balton and the Patent Office officials, as well as to those in my employ, I considered to be all the reduction to practice necessary in law in view of the simple nature of the case and the fact that an equivalent structure had already been reduced to practice in the Balton cone.

There is testimony to the effect that the Balton application became involved in two interferences, from which it is supposed it is intended that the inference be drawn that, with the making available to interferants of the Balton file wrapper appellant's sketch was further publicly disclosed.

Appellant contends that a design invention stands on a different footing from mechanical and other inventions, and is so recognized by the statute, and that the making of a sketch, or drawing, clearly showing the design, and its public disclosure, is the equivalent of conception and reduction to practice under the mechanical patent laws, and constitute a completion of the invention under the design patent laws. To this end, he urges that Sec. 4886 R. S., (35 U. S. C. A. 31), has reference to new and useful inventions in an art, machine, etc., and that Sec. 4929 R. S. (35 U. S. C. A. 73), has reference to new, original and ornamental design *for* an article of manufacture; that it is the ornamentality which is the essential factor, and further that it is design, not the article itself, which constitutes the invention. It is said that the requirement for reduction to practice in patent cases grew up through judicial construction without any statutory authority, there being no statute requiring an inventor to reduce his invention to actual practice and sell it; that it grew out of the difficulties incident to picturing, by drawings, and describing machinery and the like in a manner to disclose the potent factor of operativeness or successful performance of function, and that since design is a matter of appearance the doctrine of reduction to practice by embodying the design in a structure is not applicable. Numerous cases are cited relating even to mechanical patents in which the courts used expressions tending to indicate that in some instances a drawing might be a sufficient reduction to practice.

We think in most of those cases the expressions upon this point constituted dicta. In any event, a mechanical or product or process case in which a drawing alone will constitute actual reduction to practice must be set down as an exception, and a rare one, to the general rule applied modernly and for a long period in the past.

We find that in the Patent Office practice, the tendency has consistently been (the only exception found in such cases as have been brought to our attention being in the matter of a design made on paper for wall paper, a readily understandable exception) to carry into design cases arising under R. S. 4929, the same rule as to actual reduction to practice as that applied in cases arising under R. S. 4886, especially with reference to three dimensional articles. Appellant concedes this, but insists that it has been done erroneously. Both the Examiner of Interferences and the Board cited the cases of *McArthur* v. *Gilbert*, 1904 C. D. 245, and *In re Cady*, 1916 C. D. 57. The Examiner cited also the case of *Grafton* v. *Langenbach*, 58 Ms. D. 22, in which he states

> "a drawing was definitely held not to be a reduction to practice of a design for a metallic finishing plate."

The Board regarded the *McArthur* v. *Gilbert* case, supra, as being controlling in the instant case although stating the facts of the two cases not to be identical. It was there held, to quote a syllabus of the decision, that

> "A prior mechanical application is not a constructive reduction to practice of the invention disclosed in a later design application filed by the same party."

Few court decisions have been found which seem to have any particular bearing upon the question. The decision in the case of *Faris* v. *Patsy Frok & Romper Co.*, 273 Fed. 900, in its reasoning may be said to have some bearing, although rather remote. Also the case of *Tyler* v. *St. Amand*, 17 App. D. C. 464, 94 O. G. 1969, and our own cases of *In re Schnell*, supra, and *George N. Mas* v. *Chapman J. Root*, 19 C. C. P. A. (Patents) 819, 54 F.(2d) 435, 416 O. G. 804. In the latter case, which involved a design for a bottle, Mas made a drawing of the design in 1920 but never embodied the design in a structure, he relying upon his filing date of September, 1925, for reduction to practice. Root conceived later than Mas but was prior as to his filing date. Mas was held not to have been diligent from about the time Root entered the field upon September, 1920; hence priority was awarded to Root. If appellant's contention in the instant case be correct Mas, had he made public disclosure of his 1920 drawing, might have been entitled to that date for reduction to practice and hence completion of the invention. We did not, however, pass upon the question there, it not having been raised in the reasons of appeal, nor referred to in the briefs or arguments.

We may add that little aid has been derived from such text books on patent law as we have been able to examine. So far as this court is concerned, therefore, the issue is a matter of first impression.

That appellant's drawing constituted conception seems clear, but is it in accord with the letter and spirit of the design patent statutes to hold that it also constituted reduction to practice? R. S. 4929 is, of course, based upon the same constitutional provision as R. S. 4886, and section 4933 R. S. (35 U. S. C. A. 73), provides:

> All the regulations and provisions which apply to obtaining or protecting patents for inventions or discoveries not inconsistent with the provisions of this [design patent] title, shall apply to patents for designs.

Some expressions in some judicial decisions in the past have possibly had a tendency to confuse the public as to the real nature which a design must disclose in order to render it patentable. We think it is very well understood that the decision of the Supreme Court of the United States in the famous case of *Gorham Company* v. *White*, 81 U. S. 511, was clarified by the later decision of that Court in the case of *Smith* v. *Whitman Saddle Company*, 148 U. S. 674, 63 O. G. 912. Macomber, in The Fixed Law of Patents, Second Edition, p. 24, says:

> A true design appeals to something more than the eye in the ordinary sense of that term. It appeals through the eye to the artistic consciousness—not by any particular feature, contour or configuration, or even a collocation of elements, as in the case of a trade-mark—and awakens a response in the mind of the person possessed of a sense of art. If it falls short of this, if to the person with this sense it is merely peculiar or ornamental, it is not the creation by one mind of that which awakens a response in the mind of another, which constitutes true design invention.

[1] We shall not here undertake to say that with reference to certain classes of designs having only two dimensions, such as wallpaper, or the like, a mere drawing of the design upon suitable material may not be sufficient to constitute reduction to practice without the design being embodied in

an article of manufacture. It is not required in the case of a mechanical article that the invention shall be embodied in a commercial structure, and it may well be that drawings of designs for flat surfaces might be ample. In the case of a three-dimensional article, however, it seems to us that something more than a mere paper drawing is requisite to constitute actual reduction to practice.

We do not attempt, because the facts of the case do not require it, to define just what may be essential to constitute actual reduction to practice of a design for either a two-dimensional article or a three-dimensional article, but that a design, particularly for the latter, should be embodied in some structure other than a mere drawing, we think, is required, particularly under the provisions of R. S. 4933, supra.

There is no issue as to appellant's diligence here and that question is not before us. Nor is it essential that we pass upon the question of abandonment, concealment and suppression raised by the Examiner of Interferences.

[2] We concur with the holdings of the tribunals of the Patent Office upon the question of reduction to practice, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KOLLSMAN *v.* CARBONARA

No. 3,776. Decided April 5, 1937

[88 F.(2d) 966]

INTERFERENCE—PRIORITY—NEW MATTER IN REISSUE PATENT.

In interference involving application of C. and reissue patent of K. record reviewed and award of priority to C. on ground that invention in issue in the interference was new matter in K.'s reissue application, affirmed.

APPEAL from the Patent Office. Affirmed.

Mr. Leonard Day for Kollsman.

Messrs. Cameron, Kerkam & Sutton, and *Mr. Loyd H. Sutton* for Carbonara.

LENROOT, *J.:*

This is an interference proceeding arising in the United States Patent Office. It involves a reissue patent to appellant, No. Re. 19,079, granted February 13, 1934, and an application of appellee filed November 5, 1932, Serial No. 641,446. Appellant, on October 27, 1932, filed application for a reissue of a patent granted to him on May 10, 1932, No. 1,857,311, upon an application filed December 10, 1931. The reissue application was divided into three divisions, and the divisional application upon which his patent here involved was issued was filed on December 20, 1933. Claims corresponding to the counts before us were copied by appellee from appellant's said reissue patent for the purpose of interference.

The interference was declared October 9, 1934. Both parties filed preliminary statements. Appellant alleged dates of conception in 1929 and reduction to practice in 1930; appellee alleged conception and disclosure of the invention in February, 1932, and reduction to practice in June, 1932.

Appellee's dates set forth in his preliminary statement being subsequent to the date of the application upon which appellant's original patent was issued, the Examiner of Interferences issued an order to appellee to show cause why judgment should not be rendered on the record against him.

Thereupon appellee moved to dissolve the interference on the ground that appellant had no right to make the claims in his reissue patent corresponding to the counts here in issue.

The counts are seven in number; count 1 is illustrative and reads as follows:

> 1. An altimeter comprising a dial having a circular indicating scale; aneroid means; a spindle rotatable by said aneroid means; a casing having provisions for holding said aneroid means stationary relatively thereto; a pointer concentrically rotatable relatively to said scale; planetary gearing interconnecting said spindle with said pointer; and means for revolving the axis of one of the planet gears of said planetary gearing about said spindle to effect a setting adjustment of said pointer relatively to said scale.

The Examiner of Interferences denied the motion to dissolve and awarded priority of invention upon all of the counts to appellant. The Board of Appeals reversed the decision of the Examiner and awarded priority to appellee. From this decision of the Board, appellant took this appeal.

The general nature of the invention here involved is stated in appellant's reissue patent as follows:

> One general object of the invention is to provide for relative adjustment movements between various elements of the indicating means of an aneroid altimeter in a simple and efficient manner without interfering with the indicating functioning of the instrument in response to the aneroid means. More particularly, an object of the invention is to provide for the adjustable manual setting of the altimeter relatively to a predetermined altitude such as the altitude of a landing field, designated either in feet altitude or barometric pressure, so that contemporaneous changes are made in the indication of reference means and an altitude indicating means, both, if desired, throughout a complete rotation of a reference element, and so that the sum of the said changes is a constant and is equal to zero in the same unit of measure.

The more particular features of the invention which are the subject of this interference will be hereinafter discussed.

Appellant raises some preliminary questions which will be briefly considered.

Appellant first contends that appellee filed no affidavit that his invention ante-dated appellant's filing date, as required by rule 94 of the rules of the Patent Office. It does appear from the record that appellee did file an affidavit, purporting to be under rule 75, setting forth that he made the invention prior to the date of appellant's reissue application. The Examiner held this affidavit was ineffective because, as held by him, appellant was entitled to the filing date of the application upon which his original patent was issued, to wit, December 10, 1931. The question before us on this phase of the case is whether appellant is entitled to this early date. If he is not, appellee's affidavit was sufficient under rule 94, although purporting to be under rule 75.

Appellant further contends that, under rule 125 of the rules of the Patent Office, the Board had no jurisdiction to consider appellee's appeal, there having been no testimony taken and no concession of priority, disclaimer, or declaration of abandonment. Rule 125 contains the phrase "except as herein otherwise provided." Rule 119 provides for judgment upon the record in certain cases, and the case before us comes within that rule, liberally construed.

Appellant further contends that, inasmuch as the interference is between an application of appellee and a patent issued to appellant, the Patent Office tribunals had no right or power to pass upon the question of whether the reissue patent was authorized under the facts in this case. The statute (R. S. 4904, U. S. C., Tit. 35, §52) expressly authorizes an interference between an application and an unexpired patent. Wherever, in an interference between a patent and an application, priority of invention is awarded to the applicant and a patent to him is thereafter issued, there will be outstanding two patents for the same invention, and the courts of equity have jurisdiction to decide as to which of them is valid. In this proceeding the Board of Appeals has not held that appellant's reissue patent is invalid, and it had no power so to do, although the result of its decision may cast a cloud upon appellant's patent.

We now come to a consideration of the question of the right of appellant to make the claims in his reissue patent corresponding to the counts here involved. The Board of Appeals stated that this was the only question considered by it.

The answer to this question depends wholly upon whether appellant's reissue application and patent contain new matter upon which the counts before us are based, such new matter being prohibited by the reissue statute, R. S. 4916, U. S. C., Tit. 35, §64.

The Examiner of Interferences held that appellant's original patent furnished a proper basis for the matter contained in the reissue application, and that therefore said reissue patent did not contain new matter as that term is understood in patent law. He also held that the form or species of the invention embraced in the counts before us was contemplated by appellant in his original application, upon which his Patent No. 1,857,311 was issued, and that through inadvertence and mistake appellant there failed to claim it.

In his statement the Examiner of Interferences said:

> • • • How then can this be fatally new matter in a reissue, the structure being originally shown and described, an inseparable portion of the apparatus, the operation inherent and, as the Examiner believes, inevitable therein? Moreover, the Examiner has indicated above wherein the original statement of objects and claims embraced this so-called new position, as well as the portions of the specifications bearing thereon.

The Board of Appeals sharply disagreed with the Examiner of Interferences, both upon the question of the disclosure of appellant's original patent, and also upon the intent of appellant in his original application to secure protection of his invention by means of claims of the character of the counts before us. In other words, the Board held that the reissue patent here directly involved contains new matter not found in appellant's original application and patent, and that there was disclosed no inadvertence or mistake in failing to make claims in said original application corresponding to the counts here involved.

The mechanism of the invention here involved is very intricate, comprising many gears and parts, and without a reproduction of many drawings and the use of a large number of reference figures it would be impossible here to describe intelligently *all* of the details of the invention. We do not think it necessary to reproduce these drawings, for we can sufficiently describe the particular points here in issue without so doing.

The original patent to appellant disclosed an altimeter having provision for adjustment to set the same so that it would show zero when it reached a landing field of known height above sea level. This is accomplished through the operation of certain gearing which is manually actuated by a knob on the outside of the instrument. Two pointers are attached to a spindle, the rotation of which spindle causes said pointers to rotate over the face of a dial, which dial is scaled from 0 to 10. An indicator or reference marker, movable with respect to the dial, is placed at the edge of the dial. The scale figures 0 to 10 indicate altitude in hundreds of feet with the long pointer, and in thousands of feet with the shorter pointer.

When the indicator or reference marker at the edge of the dial is set at zero, the pointers, through barometric pressure, will register upon the dial the altitude above sea level. If a landing field is 400 feet above sea level and it is desired to zero the instrument at the altitude of the landing field, then the control knob is rotated in a clockwise rotation until the reference marker at the edge of the dial, likewise rotating in clockwise direction, reaches the scale indication of 400 feet. At the same time the rotation of the knob causes the long pointer to move through a corresponding arc in a counter-clockwise or negative direction, thus subtracting from the true altitude indication of the instrument the amount of 400 feet, so that thereafter the altimeter registers the actual altitude above the known altitude of the landing field, instead of the true altitude above sea level which it would indicate with the reference marker set at zero. In other words, with this setting the pointers will indicate an altitude four hundred feet less than if the instrment were set for altitude above sea level, and the said pointers will indicate the true altitude above the landing field. This is denominated in the original patent of appellant and also in his reissue patent as position No. 1.

The second position is obtained by the operation of gearing, actuated by the manipulation of the knob in a different manner, whereby the dial and pointers are moved to a position where the long pointer occupies a horizontal position, so that any increase or decrease in altitude from level flight is registered by a raising or lowering of the pointer with respect to the horizontal; in this position, since the pointers and scale are both rotated, the altitude indication itself is unchanged. This is denominated

as position No. 2 in both the original and reissue patents of appellant.

Neither of these positions, nor the mechanism connected therewith, is involved in this interference.

In appellant's original patent a third position of the altimeter is shown, known as position No. 3. This position requires that a set screw in the back of the instrument be removed, permitting a relative adjustment of the pointers and reference marker through rotation of said knob. The patent states, after explaining the mechanism of said adjustment, as follows:

> • • • Hence this operation of the device may be utilized mainly for setting or adjusting the reference means, as in the event that the instrument should be inaccurate because of a change in the indicator 11. This third position may be called the adjusting position. After it is completed, the screw 56 is replaced to avoid accidental retraction to the third position, since the latter, if inadvertently used, may result in throwing the instrument parts entirely out of their proper relations.

It is this third position in appellant's original patent that is in controversy here. In appellant's reissue application there are four positions disclosed, instead of three as in his original patent. The first two positions, as disclosed in the reissue patent, are the same as those disclosed in the original patent. The third position disclosed in the reissue patent accomplishes the same result as the third position disclosed in the original patent, insofar as a corrective setting of the instrument is concerned. However, this is not secured in the same way in the reissue patent as a corrective setting was secured by the third position in the original patent. In the original patent this was secured, as above stated, by the removal of a set screw, which is indicated by the numeral 56 in the drawings, and then by turning the knob so that the pinion engages only one gear, indicated in the drawings by the numeral 20, and this turning of the knob is continued until the desired corrective setting is accomplished. After this is secured, the set screw is replaced in its original position. In the reissue patent, however, the third position is accomplished by the pinion engaging two gears instead of one. In other respects the operation is the same in both patents.

As hereinbefore stated, the original patent does not disclose a fourth position, but appellant claims that the fourth position of the reissue patent is effected by manipulation of the same mechanism as is disclosed in the original patent for the third position shown therein. This fourth position serves the same purpose as the first position in both patents, and is merely an alternative position, according to the will of the operator. All of the counts before us read on this fourth position, as disclosed in the reissue patent, and the question to be decided is whether this fourth position is, in effect, the same as the third position disclosed in the original patent with the set screw removed. The Examiner held that it was so disclosed, but the Board of Appeals held to the contrary. In its decision the Board pointed out that, in the reissue patent, it is stated that two gears, specified in the drawings as gears 16 and 24, are held in *frictional* engagement at their peripheries with the casing of the instrument, the casing being indicated in the drawing by the numeral 19, while in the original patent it was stated that one of said gears, indicated by the numeral 16, has a *bearing* engagement with the casing, and no mention is made by the patent that said gear is frictionally held by the casing. The Board further pointed out that the original patent stated that the other of said gears, viz., gear 24, may be held stationary in any suitable manner, as by frictional engagement with said gear 16, or otherwise, but that the patent contained no intimation that there was frictional engagement between said gear 16 and the casing. The Board was therefore of the opinion that the disclosure of the reissue patent differed in structure from the disclosure of the original patent, and that this difference constituted new matter to support the alleged operation in the fourth position of the reissue patent, and that, inasmuch as appellant's claims corresponding to the counts in issue are based on the operation of the altimeter in the fourth position, they cover matter not disclosed in the original patent.

We are in accord with this conclusion, and hence are of the opinion that appellant may not rely upon his original patent as a basis of an award of priority upon the invention embraced in the involved counts.

The Board of Appeals also found that appellant's original patent does not indicate any intention to cover the subject matter here involved. It pointed out that said original patent did not indicate that the third position disclosed therein had any purpose other than a setting or adjusting position for the purpose of correcting inaccuracies in the instrument.

We are also in accord with this conclusion and point out that the original patent taught that the set screw should be replaced when the correction was made, so as to prevent accidental movement of the pinion indicated by the numeral 54 in the drawings. It is conceded that, with said set screw in place, the third position of appellant's original patent could not secure the results accomplished by the fourth position in the reissue patent. In other words, the teaching of the original patent seems to negative any intention therein to secure claims corresponding to the invention here involved. In fact, the original patent taught that it might result in the altimeter being entirely erroneous if operated in the condition where appellant's fourth position of the reissue patent could be secured, that is, with the set screw removed.

Appellant may have had in mind, at the time of filing his application upon which his original patent was issued, the fourth position disclosed in his reissue application; but if he did, the structure disclosed in his original patent did not include it, and we find nothing in the patent itself to indicate that appellant had any intention of securing claims that would cover the operation of what is designated as the fourth position in his reissue patent.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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Re. 18,732, W. J. Beattie, Method of manufacturing soft collars and product thereof; 1,896,934, same, Collar point shaping machine; 1,910,848, S. J. McAuley, Collar and method of shaping the same; 1,910,849, same, Shaping means, appeal filed June 15, 1937, C. C. A., 3rd Cir., Doc. 6488, *Tutelman-Kohn-Marcus, Inc.*, v. *Beattie Mfg. Co. et al.*

Re. 19,202 (of 1,693,665). (See Re. 15,502.)

Des. 82,007 (*a*), J. Teller, Cabinet gas range; 1,817,856, same, Cabinet gas stove and range; Des. 85,354, J. Teller et al., Gas or electric cabinet cookstove or range; Des. 85,626, J. Teller et al., Gas or electric cabinet range;

1,836,782, J. Teller, Stove structure; 1,935,567, H. H. Heidbreder, Ranges, D. C., E. D. Pa., Doc. 9761, *Jacob Teller et al.* v. *N. Klein et al.* (*Caloric Gas Stove Works & Klein Stove Co.*) Consent decree favor of plaintiff Sept. 10, 1937.

Des. 82,007 (*b*). (See 1,353,743.)

Des. 85,353. (See 1,353,743.)

Des. 85,354. (See 1,353,743 and Des. 82,007.)

Des. 85,626. (See 1,353,743 and Des. 82,007.)

Des. 96,230, A. T. Ecklund, A mat; 2,048,438, same, Mat; 2,048,474, L. F. Schuhmacher, Mat, D. C., N. D. Ill., Doc. 15,521, *A. T. Ecklund et al.* v. *Mandel Bros. Inc.* Dismissed without prejudice Sept. 3, 1937.

Des. 97,701, Des. 98,110, Des. 97,704, Des. 97,706, Des. 98,300, Des. 97,707, C. Emmey, Applique emblem or similar article for wearing apparel, filed Feb. 2, 1937, D. C., S. D. N. Y., Doc. E 84–287 (Declaratory Judgment Act), *Frances Emblems, Inc., et al.* v. *Novelty Felt Applique Co. Inc.*

Des. 97,704. (See Des. 97,701.)

Des. 97,706. (See Des. 97,701.)

Des. 97,707. (See Des. 97,701.)

Des. 98,110. (See Des. 97,701.)

Des. 98,164, Des. 98,254, B. Hyman, A blouse, filed Feb. 6, 1936, D. C., S. D. N. Y., Doc. E 82–169 (Declaratory Judgment Act), *Mitchell & Weber, Inc.*, v. *Williamsbridge Mills, Inc., et al.*

Des. 98,254. (See Des. 98,164.)

Des. 98,300. (See Des. 97,701.)

Des. 98,979, Des. 98,980, Des. 98,981, Des. 98,982, Des. 98,983, Des. 98,984, Des. 98,985, Des. 98,986, Des. 98,987, Des. 98,988, Des. 99,044, Des. 99,045, J. Persky, A lace, D. C., S. D. N. Y., Doc. E 82–362, *S. Kaplan et al.* (*Pennant Knitting Mills*) v. *J. Persky et al.* Consent order of discontinuance, settled May 15, 1936.

Des. 98,980. (See Des. 98,979.)

Des. 98,981. (See Des. 98,979.)

Des. 98,982. (See Des. 98,979.)

Des. 98,983. (See Des. 98,979.)

Des. 98,984. (See Des. 98,979.)

Des. 98,985. (See Des. 98,979.)

Des. 98,986. (See Des. 98,979.)

Des. 98,987. (See Des. 98,979.)

Des. 98,988. (See Des. 98,979.)

Des. 99,044. (See Des. 98,979.)

Des. 99,045. (See Des. 98,979.)

Des. 101,863 (*a*), Des. 102,183, Des. 102,184, H. Felmann, A lady's handbag, D. C., N. D. Ill., Doc. 15,578, *Morris, Mann & Reilly, Inc.*, v. *S. M. & R. Co, Inc.* Dismissed without prejudice Aug. 13, 1937.

Des. 101,863 (*b*), Des. 102,183, Des. 102,184, H. Felmann, A lady's handbag, D. C., N. D. Ill., Doc. 15579, *Morris, Mann & Reilly, Inc.*, v. *S. P. Platt.* Dismissed without prejudice Aug. 13, 1937.

Des. 101,863 (*c*), Des. 102,183, Des. 102,184, H. Felmann, A lady's handbag, D. C., N. D. Ill. (Eastern Div.), Doc. 15607, *Morris, Mann & Reilly, Inc.*, v. *Goldblatt Bros. Inc.* Dismissed with prejudice Aug. 13, 1937.

Des. 101,863 (*d*). (See Des. 102,183 (*a*) and Des. 102,183 (*b*).)

Des. 102,183 (*a*), Des. 102,184, Des. 101,863, H. Felmann, A lady's handbag, D. C., N. D. Ill., Doc. 15577, *Morris, Mann & Reilly, Inc.*, v. *Morris Levy & Co.* Dismissed without prejudice Aug. 13, 1937.

Des. 102,183 (*b*), Des. 102,184, H. Felmann, A lady's handbag, D. C., N. D. Ill., Doc. 15555, *Morris, Mann & Reilly, Inc.*, v. *Max Kriloff.* Consent decree dismissing cause Aug. 31, 1937.

Des. 102,183 (*c*). (See Des. 101,863 (*a*, *b*, and *c*).)

Des. 102,184. (See Des. 101,863 (*a*, *b*, and *c*) and Des. 102,183 (*a* and *b*).)

T. M. 193,998, The Weisbaum Bros. Brower Co., Neckties; T. M. 228,062, same, Neckties, D. C., N. D. Ill., Doc. 13075, *The Weisbaum Bros. Brower Co.* v. *Irving Brandt & Co. Inc.* Decree finding plaintiff owner of trade-marks and infringement; defendant enjoined Mar. 29, 1937.

T. M. 228,062. (See T. M. 193,998.)

Adjudicated Patents

(C. C. A. Ohio.) Ritscher patent, No. 1,255,640, for paper pinning machine, *Held* valid and infringed. *Monarch Marking System Co.* v. *Dennison Mfg. Co.*, 92 F.(2d) 90.

(C. C. A. Ohio.) Tily & Rehfuss patent, No. 1,326,806, for tag printing and pinning machine, *Held* valid and infringed. *Id.*

(C. C. A. Ohio.) Kohnle patent, No. 1,528,023, for method of securing price marking tags, *Held* valid but not infringed. *Id.*

(C. C. A. Ohio.) Kohnle patent, No. 1,667,810, for ticket or tag attaching machine, *Held* valid, but not infringed. *Id.*

(C. C. A. N. Y.) Georgiev patent, No. 1,789,949, for electrolytic cell, claims 11, 18, and 19 *Held* not infringed. *Aerovox Corporation* v. *Micanold Radio Corporation*, 92 F.(2d) 45.

(C. C. A. N. Y.) Georgiev patent, No. 1,815,768, for electrolyte, claims 8, 10, and 11 *Held* not infringed. *Id.*

(C. C. A. Tex.) Dodson patent, No. 2,051,550, for cotton gin, claims 1 to 3 *Held* invalid. *Lummus Cotton Gin Co.* v. *Murray*, 92 F.(2d) 69.

Disclaimers

T. M. 154,504.—*Brown & Godet*, Philadelphia, Pa. NAVAL UNIFORMS. Registered April 18, 1922. Disclaimer filed September 24, 1937, by the assignee, *Eagle Clothes.*

Hereby disclaims the representation of an eagle forming part of said trade-mark registration.

1,393,520.—*Ernst Friederich*, Berlin, Germany. ENCLOSED ARC DEVICE AND METHOD OF STARTING THE SAME. Patent dated October 11, 1921. Disclaimer filed November 6, 1937, by the assignee, *General Electric Company.*

Hereby disclaims claims 1, 6, 8, and 14 of said Letters Patent.

1,595,218.—*Aladar Pacz*, Cleveland, Ohio. ALUMINUM-SILICON ALLOY. Patent dated August 10, 1926. Disclaimer filed November 9, 1937, by the assignee, *Aluminum Company of America.*

Hereby disclaims the claims numbered 1 and 2 of said Letters Patent.

2,007,642.—*Martin de Simo*, Berkeley, Calif. PROCESS FOR THE MANUFACTURE OF CARBOXYLIC ACID ANHYDRIDES. Patent dated July 9, 1935. Disclaimer filed October 25, 1937, by the assignee, *Shell Development Company.*

Hereby disclaims and enters this disclaimer to all of claim 6 of said Letters Patent; also disclaims and enters this disclaimer to:—

as much of claim 1 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with a carboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 2 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an aliphatic carboxylic acid containing more than two carbon atoms in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 3 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an aromatic carboxylic acid containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 4 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an aliphatic carboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 5 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with a saturated aliphatic carboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 10 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* in the gaseous state with a substantially anhydrous carboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 12 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an unsubstituted hydrocarbon carboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

as much of claim 13 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an unsubstituted hydrocarbon carboxylic acid containing more than two carbon atoms in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid";

and as much of claim 14 of said Letters Patent as is in excess of the following:

"A process of preparing acid anhydrides which comprises reacting a ketene *containing at least three carbon atoms* with an unsubstituted hydrocarbon monocarboxylic acid containing at least two carbon atoms and containing a different number of carbon atoms than the ketene, in a quantity sufficient to react with any free acid radical and any reactive substituent which may be present, and heating the reaction mixture so as to obtain an anhydride of said carboxylic acid."

2,020,004.—*David M. Smith*, Hermosa Beach, Calif. OIL ENCLOSED ROTARY. Patent dated November 5, 1935. Disclaimer filed November 8, 1937, by the assignee, *Emsco Derrick & Equipment Company.*

Hereby enters this disclaimer to claims 1, 2, and 8 in said Letters Patent.

2,042,929.—*George M. Dinnick*, Bloomfield, N. J. ELECTRON DISCHARGE DEVICE AND ANODE THEREFOR. Patent dated June 2, 1936. Disclaimer filed November 10, 1937, by the patentee; the assignee, *Westinghouse Electric & Manufacturing Company*, consenting.

Hereby enters this disclaimer to claims 1, 2, and 3 of said patent.

2,045,423.—*John A. Topping*, Bronxville, N. Y. ROOFING AND SIDING. Patent dated June 23, 1936. Disclaimer filed November 9, 1937, by the patentee.

Hereby disclaims claims 1, 2, 3, 7, and 8 of said Letters Patent, except when the subject-matter thereof is embodied in a shingle strip having cutouts or slots therein of the general character of the "cutouts 18" described in lines 18 to 35, inclusive, of page 2 of the specification of said Letters Patent.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING OCTOBER, 1937

ANCHOR PRODUCTS COMPANY *v.* HOSPITAL IMPORT CORPORATION, Trade-Mark Interference No. 2462.

In a decision rendered October 8, 1937 (159 Ms. Dec. 999), *Assistant Commissioner Frazer* held that priority of adoption and use of the term "Anchor" as a trade-mark for surgical needles, was properly awarded to the Hospital Import Corporation, of New York, N. Y.

In his decision, after noting that Anchor Products Company, of Chicago, Ill., had sought to establish an earlier date of use than that alleged in its application, and referring to the testimony to support such earlier date as somewhat inconsistent, the Assistant Commissioner said that at the most it did not establish a date earlier than January, 1922, and that Hospital Import Corporation had established by its testimony an earlier date.

With reference to the argument that the testimony on behalf of Hospital Import Corporation was somewhat vague and indefinite and was not supported by documentary evidence, he said:

"Documentary evidence, however, is not indispensable if the facts in issue are otherwise proved. Here the testimony of registrant's witnesses is consistent, uncontradicted, and in no manner discredited, and it must be accepted as true. While many statements were made which are too indefinite to be given much weight, it sufficiently appears from the record as a whole that registrant started selling surgical needles bearing the 'Anchor' trade-mark in the spring of 1921, and certainly prior to January, 1922."

Then, with reference to the discussion in applicant's brief of other matters, he said:

"Much of applicant's brief on appeal is devoted to a discussion of certain dealings had between the parties which would doubtless be entitled to careful consideration were applicant's right to use the trade-mark in issue, or were registrant now seeking registration over applicant's opposition. In this proceeding, however, the only question for determination is that of priority of use of the mark with the particular goods involved. As applicant has failed to establish a trade-mark use of the mark antedating registrant's first such use, that question was properly resolved in registrant's favor."

EX PARTE LAWRENCE RICHARD BRUCE, INC., Serial No. 361,720.

In a decision rendered October 11, 1937 (159 Ms. Dec. 1001), *First Assistant Commissioner Macklin* held that the term "Single-Touch", as applied to brushes was not descriptive and is registrable for such goods under the act of 1905.

In his decision, after stating that he was unable to think of a brush whose utility or character would be such that "Single-Touch" would be a natural or descriptive term for it, the First Assistant Commissioner said:

"At the hearing a narrow brush, the bristle ends of which describe an arc, was submitted, and it is said by the applicant that the arcuate shape permits applying dye to the hair with less strokes than would be used by a normally straight brush. As a matter of fact, a single touch of such a hair dyeing brush would accomplish no desirable purposes, but repeated applications or 'touches' would be needed to complete the hair dyeing processes. To me the term 'Single-Touch' is not particularly suggestive, but seems to be a rather distinctive, arbitrary name which is clearly registrable."

GENERAL BAKING COMPANY *v.* SAMUEL BRASS, Opposition No. 15,553.

In a decision rendered October 12, 1937 (159 Ms. Dec. 1002), *Assistant Commissioner Frazer* held that the opposition of General Baking Company, of New York, N. Y., to the registration by Samuel Brass, of Belleville, N. J., of the term "Bond" as a trade-mark for yeast, was properly sustained on the ground that General Baking Company had used that mark on bread long prior to the claimed use by the applicant and that bread and yeast are goods of the same descriptive properties.

In his decision, after stating that on appeal the only contention made was that the word "Bond" is a suggestive trade-mark and not entitled to broad protection, and referring to trade-mark infringement suits where the courts had applied that doctrine, the Assistant Commissioner said:

"A contrary conclusion has long since been reached by the Court of Customs and Patent Appeals. (Quoting and citing from *National Biscuit Co.* v. *Sheridan*, 18 C. C. P. A. 720, 44 Fed.(2d) 987.)

"As the marks here involved are identical and the goods of the parties are conceded to be of the same descriptive properties, the registration applied for is barred by the express language of the statute."

AMERICAN MAID COMPANY, INC., *v.* NATIONAL GARMENT COMPANY, INC., Cancellation No. 2926.

In a decision rendered October 15, 1937 (159 Ms. Dec. 1003), *Assistant Commissioner Frazer* held that National Garment Company, Inc., of St. Louis, Mo., was not entitled to register the words "Maiden America" as a trade-mark for children's and ladies' dresses, etc., in view of the prior use by American Maid Company, Inc., of Chicago, Ill., of the term "American Maid", for the same goods.

With reference to an argument by the applicant that one of petitioner's registrations shows the words "American Maid" in connection with pictorial features and that these features had not been used since 1930 and therefore the total mark was abandoned, the Assistant Commissioner said:

"The point is not of controlling importance, because it is not disputed that the words 'American Maid' have been in continuous use by petitioner, and it is those words only with which respondent's mark was found to conflict. It may be said in passing, however, that if respondent deems itself injured by petitioner's registration, and can show either that the mark has been abandoned or that it is descriptive, respondent's remedy is by petition for cancellation."

Then, with reference to the argument based on the use by petitioner of the term "American Maid Comfo-Fit", one party urging that the entire notation must be considered in connection with the use of petitioner's mark and the other that the term

referred to was merely used to indicate grade or style, he said:

"In either event 'American Maid' and 'Maiden America' are in my opinion the predominant features of the respective marks in question, and I agree with the Examiner that their occurrence renders the marks as a whole confusingly similar."

PUREX CORPORATION, LTD. *v.* PUREX PRODUCTS, INCORPORATED, Opposition No. 15,598.

In a decision rendered October 20, 1937 (159 Ms. Dec. 1005), *Assistant Commissioner Frazer* held that Purex Products, Incorporated, of Baltimore, Md., was not entitled to register, as a trade-mark for food flavoring extracts, a mark consisting of the notation "Pur-X" arranged above the words "Purex Products, Inc.", and the letters "PP" printed in a monogram, since such a mark constitutes an appropriation of the corporate name of the opposer, Purex Corporation, Ltd., of Los Angeles, Calif.

With reference to the goods upon which the mark was used, the Assistant Commissioner said:

"The goods specified in the application are food flavoring extracts and tea. Of the various items in which opposer deals the only one that may properly be classed with such goods is vinegar, but that item is of the same descriptive properties within the meaning of the Trade-Mark Act. *Joseph Tetley & Co.* v. *Bay State Fishing Co.*, 23 C. C. P. A. 969, 82 Fed.(2d) 299. This is material to the question under consideration, because there is greater likelihood of confusion than if the goods of the parties were entirely different."

Then, after noting the composite character of applicant's mark, he said:

"I am clearly of the opinion that 'Pur-X' is its dominating feature. That it was intended to be so is made apparent by an inspection of applicant's labels, where it is followed by the word 'brand.' In other words, applicant wants its products to be known as the 'Pur-X brand', and unquestionably that is the manner in which they would be called for by purchasers. Nor do I entertain any doubt that 'Purex' is the salient feature of opposer's corporate name. *The Asbestone Co.* v. *The Philip Carey Manufacturing Co.*, 41 App. D. C. 507. Obviously it is the only word in 'Purex Corporation, Ltd.', that serves to distinguish opposer from other corporations. It thus appears that applicant has appropriated opposer's name as the predominant feature of its trade-mark, unless it be held that the substitution of a hyphen for the letter 'e' in 'Purex' is a material change. So far as the Patent Office is concerned, I think that question finds a conclusive answer in the case of *Fyr-Fyter Co.* v. *William L. Barrell Co.*, 475 O. G. 688, 32 U. S. P. Q. 261, where it was held by this tribunal that 'Fire Fighter' is the corporate name of The Fyr-Fyter Company, notwithstanding the difference in spelling."

He then noted applicant's reliance upon the American Steel Foundries case and further noted that the word "Purex" had seldom been registered where the word "Simplex" referred to in the Foundries case had been in wide general use, and said:

"'Purex' is a fanciful word, registered as a trade-mark to only three concerns other than opposer, and not shown to be found in the name of any other corporation excepting that of applicant; whereas 'Simplex' was a part of some twenty corporate names, and occurred in about sixty registered trade-marks.

* * * * * * *

"Here, however, the appropriation of opposer's name is substantially complete, and 'the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more.'"

BOND ELECTRIC CORPORATION *v.* AUTOMATIC ELECTRIC COMPANY, Opposition No. 15,432.

In a decision rendered October 26, 1937 (159 Ms. Dec. 1007), *Assistant Commissioner Frazer* held that Automatic Electric Company, of Chicago, Ill., is entitled to register, as a trade-mark for insulated conductors, wires, etc., the mark consisting of the single word "Monotype", notwithstanding the prior use and registration by Bond Electric Corporation, of Jersey City, N. J., of a mark disclosing the picture of a double label at the top of each panel of which is printed the word "Bond" and beneath which is the notation "Safety Seal Mono-Cell", the latter words together with some other descriptive matter being disclaimed, as a trade-mark for batteries.

In his decision, after stating that the goods of the two parties are unquestionably of the same descriptive properties and the Examiner sustained the opposition on the authority of *Pilot Radio Corporation* v. *Westinghouse Electric & Manufacturing Co.*, 472 O. G. 747, which he deemed controlling, the Assistant Commissioner said:

"In my opinion that case is clearly distinguishable. It was there held that the word 'Pilotel' is confusingly similar to the registered marks 'Pilot' and 'Pilotone.' If in the instant case opposer's trade-mark were 'Mono-Cell' the decision referred to would be applicable, but such is not the fact. 'Mono-Cell' is but a minor feature of opposer's mark, is descriptive of opposer's goods, and is disclaimed in the registration. The predominant part of the mark is the word 'Bond', and I doubt that the purchasing public would attach the slightest trade-mark significance to the relatively unimportant and purely descriptive notation 'Mono-Cell', which constitutes the only feature of the mark to which applicant's mark bears even the faintest resemblance. Comparing opposer's mark as a whole with the mark sought to be registered, I am unable to believe there is any reasonable likelihood that confusion will result from their concurrent use on the goods to which they are respectively assigned."

WARREN DUNNELL *v.* HAL DE WAIDE, Cancellation No. 3026.

In a decision rendered October 29, 1937 (159 Ms. Dec. 1008), *Assistant Commissioner Frazer* held that Hal De Waide, of Portland, Oreg., was not entitled to register, under the act of 1905, the notation "Slip Away" as applied to paper toilet seat covers, and the registration which he had obtained should be cancelled.

In his decision, after stating that the notation "Slip Away" was associated in the registered mark with other words which are disclaimed, and noting the argument of the parties as to the descriptiveness or nondescriptiveness of the term in question, and also noting appellant's argument based on the decision in *In re Irving Drew Co.*, 54 App. D. C. 310, and stating that the doctrine announced in that case appeared to have been repudiated by the same court in the case of *The Kay & Ess Co.* v. *Coe*, 483 O. G. 229, 34 U. S. P. Q. 316, the Assistant Commissioner said:

"It is asserted in De Waide's brief that the seat covers in question 'neither slip away, nor are slipped away. They stay put in place until pulled or dragged off by the flushing of the toilet bowl.' That may be true; but merely because some force must be exerted to initiate the process of slipping, it does not follow that the article thus set in motion does not thereafter slip. I can think of no brief expression that more aptly describes this particular characteristic of sanitary seat covers than to say that they 'slip away' from the seat when the bowl is flushed. It is my opinion that any dealer in like merchandise has the right to use this and similar phrases to describe his goods, and that it is not therefore subject to exclusive appropriation. It follows that the registration here involved was improperly granted, and as Dunnell is shown to have been injured thereby the statute requires its cancellation."

EX PARTE KRAFT-PHENIX CHEESE CORPORATION, Serial No. 367,970.

In a decision rendered October 30, 1937 (159 Ms. Dec. 1011), *Assistant Commissioner Frazer* held that registration of a trade-mark for condensed milk was properly refused to Kraft-Phenix Cheese Corporation, of Chicago, Ill., where the labels showed only the names of another party, and that applicant had declined to make an affidavit that certain new labels were in use by it.

In his decision, after noting that the applicant had filed an affidavit in response to the Examiner's rejection, to the effect that it was the manufacturer of the goods and the company whose name appeared on the label was authorized to use the trade-mark on concentrated milk, and noting that new labels had been substituted bearing applicant's name but applicant had declined to comply with the request of the Examiner that an affidavit be filed stating that these new labels were in actual use by the applicant and stating further that counsel admitted that no such use had been made, the Assistant Commissioner said:

"Upon the record as presented I think the Examiner was amply justified in refusing the registration applied for. Only the owner of a trade-mark is entitled to its registration, and ownership can be acquired only through use. It appears quite conclusively that applicant had made no use of the mark in question at the time its application was filed; and the fact that someone else had applied the mark to goods of applicant's manufacture, as sole distributor or otherwise, can add nothing to applicant's claim of ownership."

EX PARTE AUTOMOBILE MUTUAL INSURANCE COMPANY OF AMERICA, Serial No. 333,213.

In a decision rendered October 30, 1937 (159 Ms. Dec. 1010), *Assistant Commissioner Frazer* held that Automobile Mutual Insurance Company of America, of Providence, R. I., is entitled to register, under the act of 1905, a trade-mark for a booklet which had issued annually.

In his decision, after stating that the Examiner refused registration because the publication was not serial in character and noting that while from year to year much of the same matter was contained in the booklet, other matter was included which was of interest to motorists, the Assistant Commissioner said:

"Other matter is included, however, of general interest to motorists, which is not repeated in successive issues, and which I consider sufficient to satisfy the requirement suggested by the Examiner that 'it is the substantial change of material with each issue which enables periodical publications to support trade-mark registration.'"

Then, after noting that both the Examiner and applicant had cited several cases, none of which was directly in point, he said:

"Upon the particular facts here presented I think applicant is entitled to have its mark registered."

TRADE-MARKS

OFFICIAL GAZETTE, NOVEMBER 30, 1937

[VOL. 484. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 392,727. OWENS-ILLINOIS CAN COMPANY, Toledo, Ohio. Filed May 12, 1937.



For Drums and Cans Made in Whole or in Part of Sheet Metal Used for Packing and Storing Paints, Oils, Greases, Talcum Powder, Dynamite, and Other Products.
Claims use since Apr. 14, 1937.

Ser. No. 396,245. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Aug. 10, 1937.



The drawing is lined for orange and green.
For Paper Bags.
Claims use since Apr. 1, 1937.

Ser. No. 398,332. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Oct. 9, 1937.

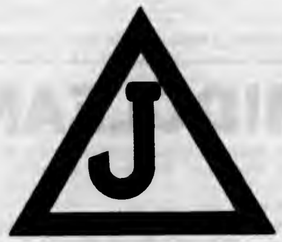
CRISP-PAK

For Paper Bags.
Claims use since Oct. 5, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 398,127. PHOENIX MANUFACTURING COMPANY, Joliet, Ill. Filed Oct. 4, 1937.



For Horse and Mule Shoes.
Claims use since Aug. 23, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 386,845. WILLIAM BORAK, doing business as Pet Products Co., New York, N. Y. Filed Dec. 17, 1936.

PET

For Concentrated Cleaning Powder for General Cleaning Purposes.
Claims use since Sept. 8, 1936.

Ser. No. 394,383. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed June 22, 1937. Under section 5b of the act of 1905 as amended in 1920.

Pro-phy-lac-tic

For Soap.
Claims use since 1885.

Ser. No. 394,641. JOSEPH SMIDT, Chicago, Ill. Filed June 28, 1937.

SEE MORE

For Cleaners—Namely, Paint Cleaner, Wall Paper Cleaner, Cleaning Solutions for Venetian Blinds, for Furniture, and for Painted Surfaces, and Polishes—Namely, Shoe Polish and Metal Polish.
Claims use since Aug. 1, 1936.

Ser. No. 397,235. TRI-STATE DEVELOPMENT CORPORATION, Burnsville, N. C., and Washington, D. C. Filed Sept. 8, 1937.

I-X-L

For Cleaning, Scouring, and Polishing Material in Powdered Form.
Claims use since Aug. 24, 1937.

Ser. No. 397,545. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa. Filed Sept. 18, 1937.

MIDCLEAN

For Liquid Neutral Cleanser for Linoleums, Rubber, and Cork Floors, Varnished Woodwork, Furniture, and the like.
Claims use since Aug. 31, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 395,583. MARINELLO CORPORATION, New York, N. Y. Filed July 23, 1937.

WISK

For Depilatory.
Claims use since July 15, 1937.

Ser. No. 395,628. S. I. Q. COMPANY, New York, N. Y. Filed July 24, 1937.

S.I.Q.

For Lotion for Irritations of the Skin and Scalp and Associated Itching.
Claims use since June 12, 1937.

Ser. No. 396,600. THE DERMO CO., Chicago, Ill. Filed Aug. 20, 1937.

CASIL CREME

The word "Creme" is disclaimed apart from the mark.
For Protective Skin Cream.
Claims use since July 1, 1937.

Ser. No. 397,078. MENLEY & JAMES, LIMITED, New York, N. Y. Filed Sept. 3, 1937.

Pepiod

For Medicated Tablet to Relieve Coughs, Hoarseness, Throat "Tickle", and Minor Throat Irritations.
Claims use since Aug. 25, 1937.

Ser. No. 397,189. ELMO, INC., Philadelphia, Pa. Filed Sept. 7, 1937.

EL PATIO

For Toilet Creams, Toilet Lotions, Toilet Powders, Perfumes, Toilet Waters, and Water Softeners.
Claims use since Jan. 7, 1937.

Ser. No. 397,319. WILLIAM DITALIA, Brooklyn, N. Y. Filed Sept. 9, 1937.

HAYR-A-GEN

For Preparation Recommended for Growing Hair and Cleansing the Scalp.
Claims use since Aug. 2, 1937.

Ser. No. 397,356. COSMESIS, INC., Chicago, Ill. Filed Sept. 13, 1937.

Nine Oils CLEANSE FRESHEN SOFTEN-A POWDER BASE
Peasant
QUICK FACIAL

The words "Nine Oils", "Cleanse", "Freshen", "Soften", "A Powder Base", and "Quick Facial" are disclaimed apart from the mark.
For Facial Oil for Cleansing, Refining, and Protecting the Skin, and Acting as a Powder Base.
Claims use since Aug. 13, 1937.

Ser. No. 397,411. CHARLES A. MORRIS, doing business as Ab-Sol-Vo Manufacturing Co., San Benito, Tex. Filed Sept. 14, 1937.

AB-SOL-VO

For Preparation Used in the Treatment of Athlete's Foot, Eczema, Heat Rash, Ringworm, Blisters, Cuts, Minor Burns, Chigger or Red Bug Bites, Dhobe Itch, Jock Strap Itch, Warts, and Toothache.
Claims use since Apr. 3, 1936.

Ser. No. 397,420. PINAUD INCORPORATED, New York, N. Y. Filed Sept. 14, 1937.

U P

For Toilet Water.
Claims use since Sept. 2, 1937.

Ser. No. 397,719. CHARLES O. NELSON, doing business as Washington Dental Products Co., Centralia, Wash. Filed Sept. 23, 1937.

LIFE SAVER
NU-RO-VITA

For Dental Preparation in the Nature of a Pulp Capper and Preserver for Teeth.
Claims use since July 1, 1937.

Ser. No. 397,864. THE PETRIN CO., New York, N. Y. Filed Sept. 27, 1937.

SABLES AND PEARLS

For Perfumes.
Claims use since May 15, 1937.

Ser. No. 397,900. THE DE ROOS-STERNHEIM COMPANY, INCORPORATED, Chicago, Ill. Filed Sept. 28, 1937.

ZIN'S *facialettes*

For Specially Prepared Cosmetic Application in the Nature of a Facial Cream.
Claims use since July 15, 1933.

Ser. No. 397,961. BREWER & COMPANY, INC., Worcester, Mass. Filed Sept. 30, 1937.

VOKOLS
MENTHOLICED

For Pastille for the Relief of Minor Throat Irritations, Coughs Due to Colds, and Hoarseness and Dryness Due to Those Causes.
Claims use since Oct. 23, 1936.

Ser. No. 397,962. BUFFALO ELECTRO-CHEMICAL COMPANY, INC., Buffalo, N. Y. Filed Sept. 30, 1937.

BECLOR

For Hypochlorites.
Claims use since Jan. 15, 1937.

Ser. No. 398,007. BELLE GREENBERG, Omaha, Nebr. Filed Oct. 1, 1937.

C-E-Z-R

For Eye Wash.
Claims use since Aug. 1, 1937.

Ser. No. 398,016. WILLIAM RADOFF, New York, N. Y. Filed Oct. 1, 1937.

SKID
ADHESIVE TAPE REMOVER

The words "Adhesive Tape Remover" are disclaimed apart from the mark.
For Adhesive Tape Remover Fluid.
Claims use since June, 1937.

Ser. No. 398,147. OTIS CLAPP & SON, INC., Boston, Mass. Filed Oct. 5, 1937.

CORELS

For Laxative.
Claims use since Sept. 10, 1937.

Ser. No. 398,148. OTIS CLAPP & SON, INC., Boston, Mass. Filed Oct. 5, 1937.

LACTIVES

For Laxative Tablet.
Claims use since Sept. 10, 1937.

Ser. No. 398,199. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Galactocrin

For Medicinal Compound in Tablet Form, for the Treatment of Galactagogue and Postpartum Involutant.
Claims use since Aug. 26, 1937.

Ser. No. 398,201. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Mamovarin

For Medicinal Compound in Tablet Form for the Treatment of Dysovarism and Menorrhagia.
Claims use since Aug. 26, 1937.

Ser. No. 398,202. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Placentocrin

For Medicinal Preparation for Treatment of Toxemias and Other Disorders Incident to Pregnancy.
Claims use since Aug. 26, 1937.

Ser. No. 398,203. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Oct. 6, 1937.

Prostocrin

For Medicinal Preparation for Treatment of Prostatic Hypertrophy and Prostatic Neurasthenea.
Claims use since Aug. 26, 1937.

Ser. No. 398,318. JADWIGA REMEDIES, INC., Brooklyn, N. Y. Filed Oct. 9, 1937.

CYGANKA

For Perfume.
Claims use since 1928.

Ser. No. 398,328. E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 9, 1937.

TANRAY

For Preparations for Protecting and Conditioning the Skin.
Claims use since Sept. 30, 1937.

Ser. No. 398,342. ASPODYNE, INCORPORATED, Charleston, Ill. Filed Oct. 11, 1937.

ASPODYNE

For Preparation Used in the Relief of Pain.
Claims use since Feb. 13, 1924.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 389,906. DEUTSCHE WAFFEN- UND MUNITIONSFABRIKEN, AKTIENGESELLSCHAFT, Karlsruhe, Germany. Filed Mar. 11, 1937.

DWM

For Firearms, Explosives, Ignition Products, Fireworks, Projectiles, Ammunition, Parts of Munitions, Firing Caps, Percussion Caps, Priming Compositions, Cartridges for Hunting and Sporting Purposes, Luminous and High-Explosive Projectiles, Loading Strips, Cartridge Frames, Cartridge Magazines, and Cartridge Belts.
Claims use since 1936.

CLASS 10

Fertilizers

Ser. No. 398,044. GROBELLE LIQUID PLANT FOOD CO., INC., New York, N. Y. Filed Oct. 2, 1937.

Grobelle

For Plant Food.
Claims use since June, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 398,113. H. KOHNSTAMM & CO. INC., New York, N. Y. Filed Oct. 4, 1937. Under 10-year proviso.

ATLAS

For Colors in the Form of Powder and Pulp Used in the Manufacture of Inks.
Claims use since 1882.

Ser. No. 398,423. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 13, 1937.

MIMEOGRAPH

For Ink Pads.
Claims use since Oct. 29, 1932.

CLASS 12

Construction Materials

Ser. No. 390,275. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Mar. 19, 1937.

THERMOSTONE

For Fabricated Sheets, Including a Felted Bat of Mineral Fibres Adapted for Structural Heat Insulation Purposes.
Claims use since Jan. 5, 1937.

Ser. No. 397,902. THE FLINTKOTE COMPANY, New York, N. Y. Filed Sept. 28, 1937.

GUNTEX

For Sprayable Bituminous Emulsions.
Claims use since Aug. 3, 1937.

Ser. No. 397,970. HURON PORTLAND CEMENT CO., Detroit, Mich. Filed Sept. 30, 1937.

HYFAST

For Portland Cement.
Claims use since Sept. 23, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 395,751. EVANS PRODUCTS COMPANY, Detroit, Mich. Filed July 29, 1937.

ALKOSAVE

The drawing is lined for black.
For Pressure Relief Valves Used on the Overflow Pipe of an Automobile Radiator.
Claims use since July 16, 1937.

Ser. No. 395,979. THE DALLETT COMPANY, Philadelphia, Pa. Filed Aug. 4, 1937.

DALBO

For Pipe and Air Hose Fittings—Namely, Couplings, Valves, Cocks, Nipples, Bushings, Clamps, Clips, and Manifolds, and Strainers.
Claims use since Sept. 1, 1931.

Ser. No. 397,524. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio. Filed Sept. 17, 1937.

Alcrosil

For Steel Products—Namely, Tubing for Corrosion or High Temperature Resisting Purposes and Not for Tool Steel Purposes.
Claims use since Aug. 24, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 391,859. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Apr. 26, 1937.

Fasaloy

For Alloys of Precious, Semi-Precious, or Rare Metals, Containing Some or All of the Elements, Gold, Silver, Platinum, Palladium, Ruthenium, and the like.
Claims use since July 6, 1936.

CLASS 15

Oils and Greases

Ser. No. 392,641. E. F. HOUGHTON & CO., Philadelphia, Pa. Filed May 12, 1937.

CUT-MAX

For Cutting Oils.
Claims use since Apr. 23, 1937.

Ser. No. 396,712. EMERY INDUSTRIES, INC., Cincinnati, Ohio. Filed Aug. 24, 1937. Under 10-year proviso.

Emery

For Candles.
Claims use since 1840.

Ser. No. 397,277. CITIES SERVICE OIL COMPANY, Bartlesville, Okla. Filed Sept. 10, 1937.

BLUE CLUB MOTOR OIL

The words "Motor Oil" are disclaimed except as shown.
For Lubricating Oil For Motors and Engines.
Claims use since June, 1923.

Ser. No. 398,179. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Oct. 5, 1937.

ALUMINECK

For Lubricating Greases.
Claims use since Sept. 9, 1937.

Ser. No. 398,180. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Oct. 5, 1937.

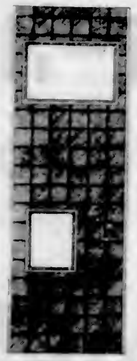
ROLUBRICANT

For Lubricating Greases.
Claims use since Sept. 9, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 397,260. R. H. MACY & CO, INC., New York, N. Y. Filed Sept. 9, 1937.



The drawing is lined for green. The representation of a label per se is disclaimed.
For Ready Mixed Paints, Paint Enamels, Varnishes, Varnish Stains, Paint Oils, Fillers, Lacquers.
Claims use since March, 1932.

Ser. No. 397,611. THE JOHN P. COCHRAN COMPANY, Cleveland, Ohio. Filed Sept. 21, 1937.

COLORLUX

For Ready Mixed Paints, Paint Enamels, Lacquers, and Varnishes.
Claims use since Sept. 1, 1937.

Ser. No. 398,060. JOSEPH SMIDT, Chicago, Ill. Filed Oct. 2, 1937.

SEE MORE

For Paints, Varnishes, and Enamels—Namely, Ready-Mixed Paint, Paint Paste, Paint in Powder Form, and Paint Enamels—and Polishes—Namely, Automobile and Furniture Polish.
Claims use since Aug. 1, 1936.

Ser. No. 398,384. OTTO C. BALTZ, doing business as Jackson Laboratories, Philadelphia, Pa. Filed Oct. 12, 1937.

JAXITE

For Automobile Polish.
Claims use since Aug. 13, 1937.

CLASS 17

Tobacco Products

Ser. No. 396,659. FRANCISCO ARANGO, JR., doing business as Tampa Cigar Co., Tampa, Fla. Filed Aug. 23, 1937.

TAMPA Luints

The word "Tampa" is disclaimed apart from the mark.
For Cigars.
Claims use since Aug. 2, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 394,993. FLOREDA BABETTE LA PLANTE, New York, N. Y. Filed July 8, 1937.



For Bicycles.
Claims use since October, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 393,959. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed June 11, 1937.

Vibrapack

For Electric Power Supply Devices of the Type Using a Vibratory Switch Current Interrupter Together With Voltage Transforming Means to Convert Electric Energy of One Voltage Into Electric Energy of Another Voltage.
Claims use since Apr. 21, 1937.

Ser. No. 394,047. PENN ELECTRIC SWITCH CO., Des Moines, Iowa. Filed June 14, 1937.

PENN

For Automatic Electric Switches, Particularly Pressure Operated, Float Operated, Vacuum Operated, and Temperature Operated Switches.
Claims use since Jan. 29, 1937.

Ser. No. 394,930. BOONTON RADIO CORPORATION, Boonton, N. J. Filed July 7, 1937.

XQ 437

For Mica Insulators for Electrical Use.
Claims use since June 29, 1937.

Ser. No. 396,248. WESTERN RAILROAD SUPPLY COMPANY, Chicago, Ill. Filed Aug. 10, 1937.



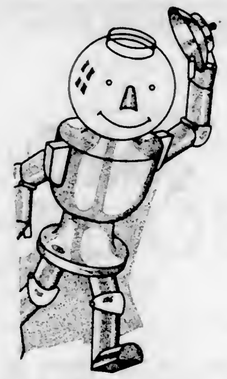
For Parkway Cable Sealing Compound Used for Sealing the Outlets for Electrical Cables and Protecting the Same from Dirt, Moisture, Corrosion, and Deterioration.
Claims use since August, 1913.

Ser. No. 396,391. ELECTRONIC LABORATORIES, INCORPORATED, Indianapolis, Ind. Filed Aug. 14, 1937.

VIBRAPAK

For Electric Vibrator-Type Power Supply Units Including D. C. to A. C. Converters and D. C. to A. C. Transformers.
Claims use since May 24, 1937.

Ser. No. 396,394. S. W. FARBER, INC., Brooklyn, N. Y. Filed Aug. 14, 1937.



For Electrically Heated Beverage Makers.
Claims use since Apr. 16, 1937.

Ser. No. 397,030. THE HOOVER COMPANY, North Canton, Ohio. Filed Sept. 2, 1937.

norca

For Electrically Operated Suction Cleaners.
Claims use since July 1, 1937.

Ser. No. 397,194. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Sept. 7, 1937.

Transradiant

For Electrically Illuminated Signs.
Claims use since Apr. 1, 1936.

Ser. No. 398,006. GENERAL CABLE CORPORATION, New York, N. Y. Filed Oct. 1, 1937.

RURALAY

For Bare and Insulated Electrical Wires and Cables.
Claims use since Sept. 1, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 394,802. PLA-WOOD PRODUCTS CORPORATION, Cleveland, Ohio. Filed July 2, 1937.



No claim is made to the word "Official" apart from the mark or to the representation of the goods per se.

For Toy Paddle with Attached Elastic Cord and Ball.
Claims use since June 1, 1936.

Ser. No. 397,263. LOUIS MARX & COMPANY, INC., New York, N. Y. Filed Sept. 9, 1937.

SOAP BOX

For Toy Speedway or Racetrack and Miniature Toy Vehicles.
Claims use since Aug. 26, 1937.

Ser. No. 397,466. DONALD B. WURZBURG, INC., Grand Rapids, Mich. Filed Sept. 15, 1937.

WEE WINKIE TOGS

The word "Togs" is disclaimed except as shown.

For Dolls' Clothing—Namely, Dresses, Slips, Panties, Coats, and Capes.
Claims use since Aug. 28, 1937.

Ser. No. 398,303. MCLOUGHLIN BROS., INC., Springfield, Mass. Filed Oct. 9, 1937.

MAGIC DOLL

Applicant disclaims the word "Doll" apart from the mark.

For Dolls and Costumes Thereof.
Claims use since Sept. 27, 1937.

Ser. No. 398,394. JOE E. ELLEDGE, Colorado Springs, Colo. Filed Oct. 12, 1937.

Revance

(RE turn - - ad VANCE)

For Game Played with a Deck of Specially Prepared Cards.
Claims use since July 23, 1937.

Ser. No. 398,555. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y. Filed Oct. 16, 1937.

PREMAX

For Fishing Rods and Reels.
Claims use since May 1, 1933.

Ser. No. 398,662. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 19, 1937.

FIVE STAR FINAL

For Board Games.
Claims use since Apr. 1, 1937.

Ser. No. 398,721. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 20, 1937.

SIGNAL

For Floats for Fishing Tackle.
Claims use since Oct. 13, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 383,496. THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Sept. 21, 1936.



For Hand Operated Tools—Namely, Axes, Lettuce Cutters, Thistle, Dock, and Weed Cutters, D-Handles for Tools, Manure Drags, Potato Drags, Phosphate Drags, Stone Drags, Lawn Edgers, Turf Edgers, Light and Heavy Forks, Alfalfa Forks, Asphalt Forks, Baling Forks, Ballast Forks, Barley Forks, Beet Forks, Clover Forks, Coal Forks, Coal Scoop Forks, Coke Forks, Cotton Seed Forks, English Digging Forks, Ensilage Forks, Fish Forks, Floral Spading Forks, Grain Forks, Hay Forks, Header Forks, Manure Forks, Mill Forks, Phosphate Forks, Potato Digging Forks, Pulp Forks, Shaving Forks, Spading Forks, Street Forks, Stone Forks, Stone Picker Forks, Tanners' Forks, Tar Forks, Vegetable Scoop Forks, Floral Garden Tools, Ice Chisels, Beet Hoes, Blackland Hoes, Boys' Hoes, Corn Hoes, Cotton Hoes, Cotton Chopper Hoes, Cultivator Hoes, Eye Hoes, Field Hoes, Floral Hoes, Garden Hoes, Grading Hoes, Grape Hoes, Grub Hoes, Handled Sprouting Hoes, Handled Square Eye Hoes, Ladies' Hoes, Mattock Hoes, Meadow Hoes, Mortar Hoes, Mortar Mixer Hoes, Nursery Hoes, Nurserymen's Hoes, Onion Hoes, Planter Hoes, Rhode Island Hoes, Riveted Hoes, Scuffle Hoes, Sprouting Hoes, Strawberry Hoes, Street Hoes, Sugar Beet Hoes, Thinning Hoes, Tobacco Hoes, Warren Hoes, Weeding Hoes, Whirlwind Hoes, Clam Hooks, Garbage Hooks, Manure Hooks, Nurserymen's Hooks, Phosphate Hooks, Potato Hooks, Refuse Hooks, Stone Hooks, Lawn Combs, Pokers, Asphalt Rakes, Brume Rakes, Clam Rakes, Curved Tooth Rakes, Dandelion Rakes, Flat Bow Rakes, Floral Rakes, Garden Rakes, Gravel Rakes, Lawn Rakes, Level Head Rakes, Malleable Rakes, Pine Needle Rakes, Road Rakes, Round Bow Rakes, Single Shank Rakes, Steel Rakes, Stone Rakes, Tar Rakes, Two-man Rakes, Wire Lawn Rakes, Seedling Setters, Scoops, Barn Floor Scrapers, Chicken House Scrapers, Deck Scrapers, Floor Scrapers, Ship Scrapers, Fire Shovels, Floral Shovels, Side Walk Cleaners, Sod Lifters, Concrete Spades, Hand Spades, Tool Handles and Parts Thereof, Garden Trowels, Nurserymen's Trowels, Transplanting Trowels, Dandelion Weeders, Hand Weeders, Onion Weeders.
Claims use since Dec. 22, 1934.

Ser. No. 388,443. FRED P. GLICK, doing business as Fabriform Steel Products Co., Bell, Calif. Filed Feb. 2, 1937.

FABRIFORM

For Complete Oil Re-Refineries Sold as a Single Unit, and Replacement Parts Therefor, Mining Apparatus and Equipment—Namely, Excavators, Conveyors, Ball Mills, Rod Mills, Classifiers, Mining Cars, Flotation Machinery, Amalgamators, and Custom-Built Special Mining Machinery, and Replacement Parts Therefor; Road Working Machinery and Equipment—Namely, Excavators, Scrapers, Graders, and Steam Shovels, and Replacement Parts Therefor; Steel- and Wood-Working Machinery and Replacement Parts Therefor; Manually Controlled Non-Electric Hoists and Jacks.
Claims use since Jan. 1, 1936.

Ser. No. 390,890. AMERICAN IRON & MACHINE WORKS COMPANY, Oklahoma City, Okla. Filed Apr. 3, 1937.



Applicant claims ownership of registered trade-mark of Ct. #216,830, issued Aug. 24, 1926.

The drawing is lined for red and blue.

For Oil Field Equipment Including: Bailers, Break-Out Blocks, Blow-Out Preventers, Core Barrels, Core Bits, Crown-Blocks, Cat-Heads, Draw-Works, Drilling Rigs, Drill Bits, Engine Bases, Engine Braces, Engine Pistons, Mud-Pump Valves, Inside Pipe-Cutters, Pipe Racking Apparatus, Pipe Swivels, Pipe-Tongs, Rocker Arms, Releasing Joints, Rotary Tables, Shale Separators, Sheaves, Water Cooling Apparatus for Brake-Drums, Water Softening Apparatus of a Mechanical Nature and Exclusive of Traps, for Introducing Chemicals to Boiler Feed Water, Whipstocks, Wrenches, Flow-Beams, Paraffin Removing Apparatus, Pressure Flow Apparatus for Wells, Sucker-Rod Couplings, Sucker-Rod Guides, Sucker-Rod Reciprocating Apparatus, Wall Packers, Well Pumps, Casing Heads, Tubing Supports, Tubing Heads, and Metal Portable Tool Houses.
Claims use since August, 1928.

Ser. No. 394,510. R. SEELIG & HILLE, Dresden, Germany. Filed June 25, 1937.

Reliance

For Automatic Bag and Infusion Bag Packaging Machine for Portioning Off, Filling, and Wrapping Bags.
Claims use since Mar. 3, 1937.

Ser. No. 395,782. RUTH ZWINGENBERGER, doing business as Helios-Wirkmaschinenzubehoer Zwingenberger & Co., Hohenstein-Ernstthal, Saxony, Germany. Filed July 23, 1937.

HELIOS

For Knitting Machine Parts.
Claims use since May 29, 1933.

Ser. No. 396,534. THE GAIRING TOOL COMPANY, INC., Detroit, Mich. Filed Aug. 18, 1937.

GAIR-LOCK

The word "Lock" is disclaimed from the word "Gair".

For Metal Working Tools Employing Removable Cutting Blades.
Claims use since July 1, 1937.

Ser. No. 397,107. JOHN BLUE, JR., Laurinburg, N. C. Filed Sept. 4, 1937.



The noun "Product" is disclaimed apart from the mark. The drawing is lined for blue.

For Farm Machinery—Namely, Fertilizer Sowers, Walking and Riding Plows, Planters, Harrows, Seeding Machines, and Machine Insecticide Sprayers and Dusters.
Claims use since Jan. 1, 1936.

Ser. No. 397,157. GUY E. STEWART, doing business as Stewart Blade Company, Brooklyn, N. Y. Filed Sept. 4, 1937.

Character

For Razor Blades.
Claims use since Sept. 1, 1937.

Ser. No. 397,603. AMERICAN MERCHANDISE CO. INC., New York, N. Y. Filed Sept. 21, 1937.

HYGLO

For Razor Blades.
Claims use since June 2, 1937.

Ser. No. 397,759. OTTO E. KRAUS, Chicago, Ill. Filed Sept. 24, 1937.

"STUDIO"

For Razor Blades.
Claims use since Aug. 9, 1937.

Ser. No. 397,892. THE AP PARTS CORPORATION, Toledo, Ohio. Filed Sept. 28, 1937.

Silver Streak

For Mufflers for Explosive Engines and Parts Thereof.
Claims use since Sept. 17, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 391,716. H. A. THRUSH & COMPANY, Peru, Ind. Filed Apr. 22, 1937.

THRUSH

For Heat Control Units for Heating Systems Including Thermostats, Thermostatically Operated Regulator Valves, Boiler Thermostats, Boiler Pressure Gauges.
Claims use since Jan. 1, 1937.

Ser. No. 394,407. IHAGEE KAMERAWERK STEENBERGEN & CO., Dresden, Germany. Filed June 23, 1937.

Kine-Exakta

The word "Kine" is disclaimed apart from the mark.
For Cameras and Accessories.
Claims use since March, 1936.

Ser. No. 396,706. ASSOCIATED SPRING CORPORATION, Bristol, Conn. Filed Aug. 24, 1937. Under 10-year proviso.

"MANROSS"

For Hair Springs for Ammeters and Like Instruments.
Claims use since Jan. 1, 1885.

Ser. No. 397,622. SKOL COMPANY, INC., New York, N. Y. Filed Sept. 21, 1937.

SKOL

For Eye Glasses.
Claims use since Sept. 6, 1937.

Ser. No. 398,049. THE LUFKIN RULE COMPANY, Saginaw, Mich. Filed Oct. 2, 1937.

For Measuring Tapes.
Claims use since May 5, 1937.

CLASS 27

Horological Instruments

Ser. No. 397,955. ISAAC SHIFREN, doing business as Stetson Watch Company, Philadelphia, Pa. Filed Sept. 29, 1937.

STETSON
ELEGANCE ACCURACY

The words "Elegance-Accuracy" are disclaimed apart from the mark.
For Watches, Watch Cases, Watch Parts, Watch Movements, Watch Bracelets Sold as a Unit With the Watch.
Claims use since Aug. 1, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 397,309. TRABERT & HOEFFER INC., New York, N. Y. Filed Sept. 10, 1937.

STAR of CALCUTTA

The word "Calcutta" is disclaimed apart from the mark.
For Diamonds and Precious Stones.
Claims use since July 1, 1937.

Ser. No. 397,839. MORRIS CHUSMIR, doing business as C. & G. Manufacturing Company, Providence, R. I. Filed Sept. 27, 1937.

THE TWINETTE

For Pins, Clips, and Scarf Holders Made of or Plated in Whole or in Part with Precious Metal.
Claims use since June 23, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 361,720. LAWRENCE RICHARD BRUCE, INC., New York, N. Y. Filed Feb. 23, 1935.

Single-Touch

For Brushes for Applying Preparations to Curved Surfaces Such as the Head.
Claims use since September, 1934.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 393,775. MEARL C. MEYERS, doing business as Meyers Pottery, Los Angeles, Calif. Filed June 7, 1937.

CALIFORNIA RAINBOW

The word "California" is disclaimed apart from the mark.
For Pottery Goods—Namely, Dinner Ware, Vases, Flower Pots, Urns, and Mixing Bowls.
Claims use since Nov. 18, 1933.

CLASS 32

Furniture and Upholstery

Ser. No. 397,303. SELRITE, INC., New York, N. Y. Filed Sept. 10, 1937.

SUNBED

For Beach and Steamer Chairs.
Claims use since Aug. 1, 1933.

Ser. No. 397,745. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Sept. 24, 1937.

AMCREST

For Mattresses, Pillows, Bolsters, and Hassocks.
Claims use since Aug. 15, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 386,861. IDEALITE, INC., New York, N. Y. Filed Dec. 17, 1936.

IDEALITE

For Paper and Parchment Paper Lamp Shades for Household Use.
Claims use since 1924.

Ser. No. 396,508. SÄCHSISCHE GLASFABRIK AUGUST WALTHER & SÖHNE AKTIENGESELLSCHAFT, Radeberg, Germany. Filed Aug. 17, 1937.

Mithras

For Glassware for Illuminating Purposes.
Claims use since January, 1937.

Ser. No. 397,413. NEWTON SUPPLY COMPANY, Philadelphia, Pa. Filed Sept. 14, 1937.

Miracle

For Automatic Stokers.
Claims use since Aug. 7, 1937.

Ser. No. 397,503. CRANE CO., Chicago, Ill. Filed Sept. 17, 1937.

AUTOCOAL

For Stokers.
Claims use since Sept. 1, 1937.

Ser. No. 397,718. NATIONAL STAMPING & ELECTRIC WORKS, Chicago, Ill. Filed Sept. 23, 1937.

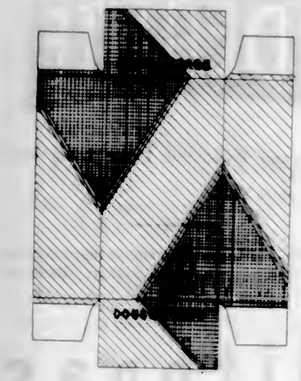
STORM KING

For Gasoline Burning Lanterns.
Claims use since July 24, 1914.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 393,893. BURKE-SAVAGE TIRE CO., Baltimore, Md. Filed June 10, 1937.



The drawing is lined for black and green. The representation of the carton per se and the words "Double Duty" are disclaimed apart from the mark.
For Inner Tubes for Pneumatic Tires.
Claims use since January, 1927.

Ser. No. 395,593. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed July 23, 1937.

LIFE-BELT

For Pneumatic Tires and Tubes for Vehicle Wheels.
Claims use since June 1, 1937.

CLASS 36

Musical Instruments and Supplies

Ser. No. 378,654. HARMONICA DISTRIBUTION CORPORATION OF AMERICA, New York, N. Y. Filed May 20, 1936.

CHROMATIC

The word "Chromatic" is disclaimed apart from the mark.
For Mouth Harmonicas, Harmonica Bodies, Harmonica Reeds, Harmonica Casings, Harmonica Mouth Pieces, Harmonica Reed Plates, Harmonica Tone Modifiers, and Tone Control Devices, and Harmonica Parts.
Claims use since Dec. 10, 1935.

CLASS 37

Paper and Stationery

Ser. No. 394,136. I. LAPPIN WALL PAPER CO., INC., Boston, Mass. Filed June 16, 1937.

Waldress WALL PAPERS

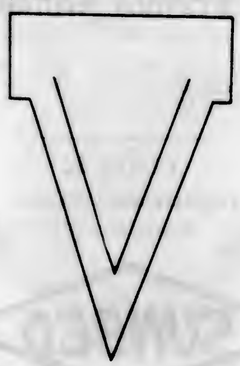
The word "Wallpapers" is disclaimed apart from the mark.
For Wallpaper.
Claims use since Jan. 7, 1937.

Ser. No. 395,240. CARL PERCY, INC., New York, N. Y. Filed July 15, 1937.

MAN'S PROGRESS

For Blank Picture Albums.
Claims use since May 15, 1937.

Ser. No. 398,281. MAX HASSLER, Buenos Aires, Argentina. Filed Oct. 8, 1937.



For Price Tickets, Price Tags, and Book Markers.
Claims use since Jan. 10, 1936.

CLASS 38

Prints and Publications

Ser. No. 391,494. WM. MUNDO SPIRE AND AD CARTER, New York, N. Y. Filed Apr. 17, 1937.

The **VOICE OF YOUTH**

For Scripts for a Series of Commercial Radio Broadcasts.
Claims use since Feb. 17, 1937.

Ser. No. 394,005. THE ROCKY MOUNTAIN NATIONAL FUR GROWERS' ASSOCIATION, Denver, Colo. Filed June 12, 1937.



The outline of the cover page is disclaimed apart from the mark.
For Magazine Issued Periodically.
Claims use since Dec. 1, 1934.

Ser. No. 396,602. EXPORT MANUAL PUBLISHING CORPORATION, New York, N. Y. Filed Aug. 20, 1937.

Manual de
PAPELERIA

For Periodical Publication.
Claims use since 1932.

Ser. No. 397,418. EDNA COLLADAY PIERCE, New York, N. Y. Filed Sept. 14, 1937.



For Series of Articles Periodically Published.
Claims use since Feb. 1, 1936.

Ser. No. 397,850. J. DAVID HOUSER, doing business as The Houser Associates, New York, N. Y. Filed Sept. 27, 1937.

THE VOICE OF THE CONSUMER

For Publications—Including Subject Matter Appertaining to the Merchandising, Wholesaling, and Retailing Industry, Published from Time to Time.
Claims use since April, 1937.

Ser. No. 398,400. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Oct. 12, 1937.

ENGINEERING DESIGN

For Periodical Published Monthly.
Claims use since Sept. 13, 1937.

Ser. No. 398,444. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Oct. 13, 1937.

ABBIE AN' SLATS

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since July 12, 1937.

CLASS 39

Clothing

Ser. No. 369,536. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Sept. 20, 1935.



No claim is made to the three dots or the numerals 1, 2, or 3, disassociated from each other or the other features of the mark.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since May 2, 1935.

Ser. No. 391,503. THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Apr. 17, 1937.

SOUS TOUT

For Corsets, Brassières, Combinations of Corsets and Brassières, Girdles, and Step-Ins of the Corset Type.
Claims use since Apr. 9, 1937.

Ser. No. 391,865. HOLLYWOOD PREVUE LTD., New York, N. Y. Filed Apr. 26, 1937.

Maryland Belle

The word "Maryland" is disclaimed apart from the mark.
For Ladies' Dresses, Evening Gowns, Hats, and Bonnets.
Claims use since Apr. 12, 1937.

Ser. No. 394,813. SUPERIOR PETTICOAT COMPANY, INC., New York, N. Y. Filed July 2, 1937.

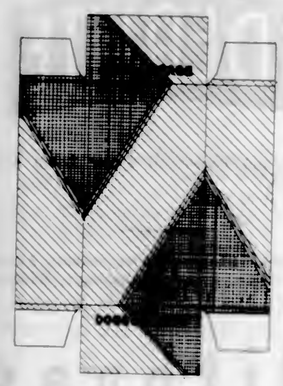
Glamcraus

For Slips.
Claims use since Jan. 1, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 393,893. BURKE-SAVAGE TIRE CO., Baltimore, Md. Filed June 10, 1937.



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Claims use since Dec. 10, 1935.

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Claims use since Jan. 10, 1936.

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Claims use since Feb. 17, 1937.

Ser. No. 394,005. THE ROCKY MOUNTAIN NATIONAL FUR GROWERS' ASSOCIATION, Denver, Colo. Filed June 12, 1937.



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ENGINEERING DESIGN

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Ser. No. 369,536. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed Sept. 20, 1935.



No claim is made to the three dots or the numerals 1, 2, or 3, disassociated from each other or the other features of the mark.

For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.

Claims use since May 2, 1935.

Ser. No. 391,503. THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Apr. 17, 1937.

SOUS TOUT

For Corsets, Brassières, Combinations of Corsets and Brassières, Girdles, and Step-Ins of the Corset Type.

Claims use since Apr. 9, 1937.

Ser. No. 391,865. HOLLYWOOD PREVUE LTD., New York, N. Y. Filed Apr. 26, 1937.

Maryland Belle

The word "Maryland" is disclaimed apart from the mark.

For Ladies' Dresses, Evening Gowns, Hats, and Bonnets.

Claims use since Apr. 12, 1937.

Ser. No. 394,813. SUPERIOR PETTICOAT COMPANY, INC., New York, N. Y. Filed July 2, 1937.

Glamcraus

For Slips.

Claims use since Jan. 1, 1937.

Ser. No. 394,835. FESHBACH & ACKERMAN, INC., New York, N. Y. Filed July 3, 1937.



The words "Merit", "Beaver", "Seal", "Featherweight", and "Finest Dyed New Zealand Buck Coney" are disclaimed apart from the mark.
For Fur Coats.
Claims use since Apr. 15, 1936.

Ser. No. 394,849. HYMAN LE R. MAYERS, doing business as Almo Undergarment Company, New York, N. Y. Filed July 3, 1937.



The word "Seam" is disclaimed apart from the mark.
For Ladies' Undergarments, Specifically Princess Slips.
Claims use since Nov. 26, 1935.

Ser. No. 395,476. GIRL SCOUTS, (INCORPORATED), New York, N. Y. Filed July 21, 1937.



Applicant disclaims the words "Official" and "Shoe" apart from the mark.
For Shoes of Leather, Rubber, Fabrics, and Combinations Thereof.
Claims use since June 10, 1937.

Ser. No. 396,216. WILSON BROS. & COHEN, INC., New York, N. Y. Filed Aug. 9, 1937.

The Cocktail Twin
A Wilco Product

The words "The Cocktail" "Twin", and "Product" are disclaimed apart from the mark.
For Sweaters and Sweater Sets.
Claims use since June 21, 1937.

Ser. No. 396,849. WAMSUTTA MILLS, New Bedford, Mass. Filed Aug. 27, 1937.

Fog Spin Cloth

The word "Cloth" is disclaimed apart from the mark.
For Outer Shirts, Shorts, Slacks, and Sportswear, Consisting of Dresses, Blouses, and Jackets for Men, Women, and Children.
Claims use since Jan. 5, 1937.

Ser. No. 397,067. BUSCARLET GLOVE CO. INC., New York, N. Y. Filed Sept. 3, 1937.

Rusticotta

For Leather Gloves.
Claims use since July 1, 1937.

Ser. No. 397,154. LOUIS S. ROSE, doing business as Rose Brothers, New York, N. Y. Filed Sept. 4, 1937.

"AIRGORA SPUN"

The word "Spun" is disclaimed except as shown.
For Men's and Young Men's Coats, Vests, and Trousers.
Claims use since Sept. 2, 1937.

Ser. No. 397,268. RUTH RIFF SAIFER, St. Louis, Mo. Filed Sept. 9, 1937.

Ruth Saifer Original SPORTSTERS

The name "Ruth Saifer" is disclaimed apart from the mark.
For Women's Dresses.
Claims use since Aug. 23, 1937.

Ser. No. 397,285. THE FORMFIT COMPANY, Chicago, Ill. Filed Sept. 10, 1937.

PANEL-ART

The word "Panel" is disclaimed apart from the mark.
For Foundation Garments, Girdles, and Brassières.
Claims use since July 1, 1937.

Ser. No. 397,457. EDWARD SHUWALL & CO., INC., Pottstown, Pa. Filed Sept. 15, 1937.

Screenland FROCKS

Applicant disclaims the word "Frocks".
For Children's Wash Frocks.
Claims use since Aug. 10, 1937.

Ser. No. 397,577. HOLLYWOOD PREVUE LTD., New York, N. Y. Filed Sept. 20, 1937.

HOLLYWOOD WRAPSODY

The word "Hollywood" is disclaimed apart from the mark.
For Dresses, Gowns in the Nature of Dresses, and Ladies' Hats.
Claims use since June 11, 1937.

Ser. No. 397,636. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Filed Sept. 20, 1937.

Weaverton

For Men's Outer Apparel—Namely, Suits, Coats, Overcoats, Trousers, Sweaters.
Claims use since Sept. 1, 1934.

Ser. No. 397,794. JOHN DAVID, New York, N. Y. Filed Sept. 25, 1937.

CASHMERA

For Men's Suits, Topcoats, Overcoats, Sport Coats, Sweaters, Mufflers, Bath and Lounging Robes, Hats, and Caps.
Claims use since Sept. 4, 1937.

Ser. No. 397,877. THE SELBY SHOE CO., Portsmouth, Ohio. Filed Sept. 27, 1937.

Magic Mould

For Women's Shoes of Leather and Fabric and a Combination of These Materials.
Claims use since Sept. 8, 1937.

Ser. No. 397,932. W. T. GRANT COMPANY, New York, N. Y. Filed Sept. 29, 1937.

SEAMONT

For Hats, Caps, and Neckties for Men and Boys.
Claims use since Aug. 1, 1930.

Ser. No. 397,938. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Sept. 29, 1937.

TOPOVER

For Men's and Boys' Outer Coats.
Claims use since Aug. 17, 1937.

Ser. No. 397,976. LEWEL MFG. CO., INC., New York, N. Y. Filed Sept. 30, 1937.



For Bandeaux and Brassières.
Claims use since May 26, 1937.

Ser. No. 398,133. TIDEWATER KNITTING CO., New York, N. Y. Filed Oct. 4, 1937.



For Hosiery.
Claims use since July 15, 1937.

Ser. No. 398,177. M. SHORTELL & SON, INC., Manchester, N. H. Filed Oct. 5, 1937.

CEMEWELT

For Shoes of Leather and Combinations of Leather and Fabric for Men, Women, and Children.
Claims use since Sept. 16, 1937.

Ser. No. 398,197. S. GINSBERG SONS, Baltimore, Md. Filed Oct. 6, 1937.

Channel Spray

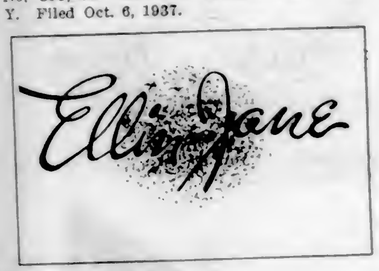
For Suits, Coats, Vests, Pants, Overcoats, and Topcoats for Men and Boys.
Claims use since Sept. 10, 1937.

Ser. No. 398,198. S. GINSBERG SONS, Baltimore, Md. Filed Oct. 6, 1937.

Bengalaire

For Suits, Coats, Vests, Pants, Overcoats, and Topcoats for Men and Boys.
Claims use since Sept. 10, 1937.

Ser. No. 398,209. LOUIS J. MALLAS, INC., New York, N. Y. Filed Oct. 6, 1937.



For Ladies' Dresses.
Claims use since Oct. 1, 1937.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 396,972. JACOB STEIN, doing business as Climax Rubber Company, Brooklyn, N. Y. Filed Aug. 31, 1937.



For Dress Shields.
Claims use since July 30, 1937.

Ser. No. 397,842. DIAMOND BONING CORP., North Arlington, N. J. Filed Sept. 27, 1937.

"X-L"

For Corset Boning.
Claims use since June, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 396,526. ADAMS & COMPANY, New Basford, Nottingham, England. Filed Aug. 18, 1937.

DRI-SOL

For Cloths and Stuffs of Wool, Worsted, or Hair (Piece Goods).
Claims use since Mar. 25, 1937.

Ser. No. 397,087. MOE ROSENBERG, New York, N. Y. Filed Sept. 3, 1937.



The words "a fine fur fabric" are disclaimed apart from the mark.
For Pile Fabrics in the Piece of Cotton Base, Combination Wool and Mohair Used in the Manufacture of Ladies' Coats and Suits.
Claims use since Mar. 4, 1936.

Ser. No. 397,256. M. J. MACK CORP., New York, N. Y. Filed Sept. 9, 1937.



The word "Weave" is disclaimed apart from the mark.
For Neckwear Tie Linings in the Piece Constructed of Cotton, Woolen, Mohair, Rayon, or Other Materials, or a Combination Thereof.
Claims use since June 2, 1936.

Ser. No. 397,541. M. LOWENSTEIN & SONS, INC., New York, N. Y. Filed Sept. 18, 1937.



For Cotton and Rayon Piece Goods.
Claims use since Aug. 1, 1937.

Ser. No. 397,704. COLONIAL MILLS, INC., New York, N. Y. Filed Sept. 23, 1937.

Sweetheart Satin

The word "Satin" is disclaimed apart from the mark.
For Acetate and Rayon Crepe Piece Goods.
Claims use since May 10, 1937.

Ser. No. 397,901. CHARLES EARLY & CO. LIMITED, Newland, England. Filed Sept. 28, 1937.

EARLYWARM

For Woolen Blankets.
Claims use since Mar. 30, 1923.

Ser. No. 398,036. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Oct. 2, 1937.

FOXCROFT

For Cotton Piece Goods, Pillow Case Tubing, Sheets, and Pillow Cases.
Claims use since October, 1905.

Ser. No. 398,071. WORCESTER KNITTING CO., New York, N. Y. Filed Oct. 2, 1937.

Genuine
CAMA-PACA
A WORCESTER COATING

The words "Genuine" and "A Worcester Coating" are disclaimed apart from the mark.
For Piece Goods of Wool, Cotton, Silk, Rayon, Linen, and Combinations Thereof.
Claims use since February, 1917.

Ser. No. 398,440. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed Oct. 13, 1937.

PRE-VUE

Prints

The word "Prints" is disclaimed apart from the mark.
For Piece Goods of Cotton, Silk, Artificial Silk, and Mixtures of Cotton with Silk or Artificial Silk.
Claims use since June 16, 1937.

CLASS 43

Thread and Yarn

Ser. No. 397,861. DOROTHY NEUHOFF, New York, N. Y. Filed Sept. 27, 1937.

QWIKNIT

For Woolen Yarn.
Claims use since Aug. 15, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 392,501. THE OHIO TRUSS COMPANY, Cincinnati, Ohio. Filed May 8, 1937.



For Suspensories, Men's Supporters, Arch Supports, Elastic Hosiery, Shoulder Braces, Abdominal Belts, Surgical Belts, and Trusses.
Claims use since Mar. 1, 1937.

Ser. No. 397,862. THE NICHOLS MANUFACTURING CO., Bridgeport, Conn. Filed Sept. 27, 1937.

BRIEFETTE

For Sanitary Garments.
Claims use since Feb. 1, 1936.

Ser. No. 398,057. FLO W. O'NEILL, Beverly Hills and Santa Ana, Calif. Filed Oct. 2, 1937.

NEILL'O

For Catamenial Belts.
Claims use since Sept. 27, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 385,720. ATLAS BREWING COMPANY, Chicago, Ill. Filed Nov. 19, 1936.

ATLAS DRY

The word "Dry" is disclaimed apart from the mark.
For Non-Intoxicating Cereal Maltless Beverages.
Claims use since Jan. 3, 1918.

Ser. No. 394,952. NATIONAL FRUIT FLAVOR CO., New Orleans, La. Filed July 7, 1937.

Echo

National Fruit Flavor Co.

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Mar. 31, 1937.

Ser. No. 396,573. LYNDONVILLE CANNING CO. INC., Lyndonville, N. Y. Filed Aug. 19, 1937.

APPLECOOL

For Bottled and Canned Apple Beverage.
Claims use since Aug. 6, 1937.

Ser. No. 397,904. LEMON-UP COMPANY, New Orleans, La. Filed Sept. 28, 1937.



The word "Lemon" is disclaimed apart from the mark.
For Non-Alcoholic Beverage.
Claims use since Aug. 10, 1937.

Ser. No. 398,268. THEALL & PILE, INC., New York, N. Y. Filed Oct. 7, 1937.

SASSY

For Nonalcoholic Maltless Beverages and Extracts and Flavors for Making the Same.
Claims use since Sept. 1, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 373,475. L. KLEIN, INC., Chicago, Ill. Filed Jan. 4, 1936.

Elkay

For Baking Powder, Cocoa, Evaporated Milk, Food Malt Extract, Tapioca, Honey, Food Flavoring Extracts, Salad Dressings, Sandwich Spreads, Cheese, Rye and Wheat Flour, Mince Meat, Butter, Mustard, and Pickles.
Claims use on malt extract since on or about Dec. 1, 1921; on limburger and brick cheese since on or about Nov. 24, 1922; on evaporated milk since on or about Mar. 1, 1923; on baking powder and cocoa since on or about Sept. 1, 1924; on prepared mustard since on or about Nov. 24, 1924; on Bohemian rye flour since on or about Sept. 5, 1925; on flavoring extracts since on or about Apr. 24, 1926; on butter since on or about Oct. 20, 1927; on salad dressings and sandwich spreads since on or about June 1, 1928; on mince meat since on or about Nov. 11, 1929; on honey since on or about Oct. 1, 1929; on pickles since on or about Apr. 16, 1930; and on tapioca since on or about July 1, 1925.

Ser. No. 389,480. SCHOKOLADENFABRIK MAUXION M. B. H., Saalfeld, Germany. Filed Feb. 27, 1937.

MAUXION

For Fresh, Canned, Dried Meats—Namely, Beef, Pork, and Lamb, Fresh Canned, Dried Fishes, Extracts of Meat, Such as Concentrates of Meat in Paste Form, Conserves, Fresh, Canned, Dried Vegetables, Fresh Fruits, Such as Apples, Pears, Pluma, Grapes, and Cherries, Canned, Dried Fruits, Juices of Fruits for Food Purposes, Jellies, Coffee, Substitutes of Coffee, Tea, Sugar, Table Syrup, Honey, Wheat Flour, Rye Flour, Whole-Wheat Flour, Pancake Flour, Corn Meal, Condiments, Namely Almond Oil and Lemon Oil, Sauces and Soups, Namely Gravies, Gravy Soups, Devonshire Sauces, Broths, Bouillons and Sauces Polanaises, Vinegar, Mustard, Kitchen Salt, Cocoa, Chocolate, Candy, Treacle Toffee, Chewing Gum, Pastries, and Yeast.
Claims use since 1921.

Ser. No. 390,759. JOHN A. VASSILAROS, New York, N. Y. Filed Mar. 31, 1937.

Essex House

The word "Essex" is disclaimed apart from the mark.
For Coffee.
Claims use since Feb. 20, 1937.

Ser. No. 392,649. NATURAL SUGARS, INC., New York, N. Y. Filed May 12, 1937.

ESQUIRE

For Maraschino Cherries.
Claims use since Apr. 21, 1937.

Ser. No. 394,098. W. B. RAYLE, Pasadena, Calif. Filed June 15, 1937.

Taylor's INC. LTD.

For Sweet Pickled Fruits, Fruit Jellies, Wine Flavored Jellies, Brandied Fruits, Stuffed Citrus Fruits, Stuffed Deciduous Fruits, Pickles, Pickle and Vegetable Relishes, Pickled Walnuts, Mince Meat, Meat Sauce, Chili Sauce, Fruit Preserves, Tomato Preserves, Orange, Lemon and Grapefruit Marmalades, Olives, Canned Fruits, Canned Vegetables, Watermelon Rings, Pears in Creme de Menthe, Canned Shrimp, Canned Crab Meat, Canned Lobster and Canned Tuna.
Claims use since May 1, 1930.

Ser. No. 394,336. MCDANIEL & SONS, INC., Somerton, Ariz. Filed June 21, 1937.

YUMA GOLD

The word "Yuma" is disclaimed apart from the mark.
For Fresh Melons and Fresh Vegetables.
Claims use since June 10, 1937.

Ser. No. 395,254. ADELPHIA COFFEE AND TEA COMPANY, New York, N. Y. Filed July 16, 1937.

Adelphia



For Coffee, Teas, and Spices.
Claims use since Oct. 1, 1922.

Ser. No. 395,936. J. M. WAHL, doing business as J. M. Wahl & Co., Phoenix, Ariz. Filed Aug. 2, 1937.

CHINA SEAS



The word "China" is disclaimed apart from the mark.
For Tea, Soy Sauce, Noodles, Chinese Rice, Spices, Bean Sprouts, and Water Chestnuts.
Claims use since June 30, 1937.

Ser. No. 396,132. J. O. HAYES, Dinuba, Calif. Filed Aug. 7, 1937.

ALTA

For Fresh Deciduous Fruits, Fresh Figs, and Fresh Vegetables.
Claims use since Aug. 1, 1923.

Ser. No. 396,316. INDIAN RIVER CITRUS INSTITUTE, INC., Indian River City, Fla. Filed Aug. 12, 1937.

INSTITUTE
I/C
CERTESTED

For Fresh Citrus Fruits.
Claims use since July 1, 1937.

Ser. No. 396,390. DURIO & SIBILLE, Sunset, La. Filed Aug. 14, 1937.

BUFFALO BILL



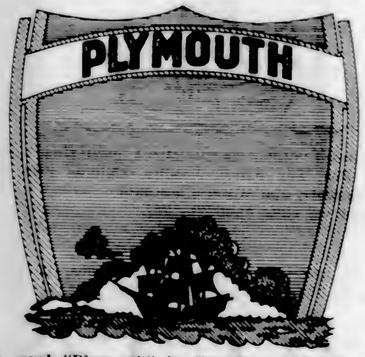
The picture is that of William Cody, deceased.
For Fresh Vegetables—Namely, Sweet Potatoes.
Claims use since July 21, 1937.

Ser. No. 396,473. PURE FRUIT JUICES, INC., Detroit, Mich. Filed Aug. 16, 1937.

COLD GOLD

For Canned Pure Fruit Juices for Food Purposes.
Claims use since July 4, 1937.

Ser. No. 396,992. LARROWE BUCKWHEAT FLOUR CORPORATION, Cohocton, N. Y. Filed Sept. 1, 1937.



The word "Plymouth" is disclaimed apart from the mark.
For Pancake Flour.
Claims use since Aug. 1, 1935.

Ser. No. 397,321. RED BOY CEREAL CO., Denver, Colo. Filed Sept. 11, 1937.



The vertical lines indicate red and the horizontal lines indicate shading.
For Prepared Cereal Foods.
Claims use since Aug. 23, 1937.

Ser. No. 397,362. GENERAL MILLS, INC., Minneapolis, Minn. Filed Sept. 13, 1937.

CORN KIX

The word "Corn" is disclaimed apart from the mark.
For Cereal Food Products, Particularly Breakfast Cereal.
Claims use since Sept. 7, 1937.

Ser. No. 397,514. THE PAGE DAIRY COMPANY, Toledo, Ohio. Filed Sept. 17, 1937.



THE PAGE DAIRY CO.

No claim is made to the words "Laboratory Controlled and Tested" and "Products".
For Fresh Milk and Cream.
Claims use since Aug. 25, 1937.

Ser. No. 397,520. SOUTHERN MILLING COMPANY, Augusta, Ga. Filed Sept. 17, 1937.



No claim is made to any wording other than "Lasso" and the applicant's name except as shown.
For Dairy Feed.
Claims use since 1927.

Ser. No. 397,930. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 29, 1937.

CRUNCHICLE

For Frozen Confections.
Claims use since Aug. 31, 1937.

Ser. No. 397,942. JOE LOWE CORPORATION, New York, N. Y. Filed Sept. 29, 1937.

KRUNCHICLE

For Frozen Confections.
Claims use since Aug. 4, 1937.

Ser. No. 397,972. KELLOGG SEED COMPANY, Milwaukee, Wis. Filed Sept. 30, 1937.

PETAMINE

For Food Formula for Cage Birds.
Claims use since June 21, 1937.

Ser. No. 397,973. WILLIAM C. KIMBROUGH, doing business as Abbeville Packing Company, Lafayette, La. Filed Sept. 30, 1937.

GULF BEND

For Canned Vegetables.
Claims use since December, 1936.

Ser. No. 397,974. WILLIAM C. KIMBROUGH, doing business as Abbeville Packing Company, Lafayette, La. Filed Sept. 30, 1937.

GULF CROWN

For Canned Vegetables, Canned Oysters, Canned Beans With Chili Sauce.
Claims use since March, 1934.

Ser. No. 398,153. FINGER LAKES AND HUDSON FLOUR MILLS, INC., Troy and Geneva, N. Y. Filed Oct. 5, 1937.



For Grain Flours.
Claims use since Aug. 25, 1937.

CLASS 47

Wines

Ser. No. 373,747. L. N. RENAULT & SONS, INC., Egg Harbor City, N. J. Filed Jan. 16, 1936. Under 10-year proviso.

RENAULT

For Wines.
Claims use since 1870.

Ser. No. 392,423. GAMBARELLI & DAVITTO, New York, N. Y. Filed May 7, 1937.

FIOR DI CALIFORNIA

The word "California" is disclaimed except as shown.
For Wines.
Claims use since Mar. 15, 1937.

Ser. No. 393,349. TAMPA WHOLESALE LIQUOR COMPANY, INC., Tampa, Fla. Filed May 27, 1937.



For Wines.
Claims use since Dec. 5, 1936.

Ser. No. 395,248. J. & S. VIOLET FRERES, Thuir, France. Filed July 15, 1937.



All notations except "Byrrh", "Violet Freres", "Established 1866", the facsimile signature, and applicant's name are disclaimed apart from the mark. The facsimile signature is that of Simon Violet, Sr., the founder of applicant's business.
For Wine Used as an Appetizer.
Claims use since Nov. 27, 1936.

Ser. No. 395,305. G. LOEWUS & CO., INC., Newark, N. J. Filed July 16, 1937.

Swiss Chalet

The word "Swiss" is disclaimed except as shown.
For Wines.
Claims use since Mar. 11, 1937.

Ser. No. 396,230. HEARN DEPARTMENT STORES, INC., New York, N. Y. Filed Aug. 10, 1937.

GRAND CASTLE



For Wine—Namely, Cocktail Sherry, Burgundy, and Port.
Claims use since Dec. 26, 1935.

Ser. No. 397,119. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Sept. 4, 1937.

ISCO

For Wines.
Claims use since Dec. 1, 1908.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 392,688. GORDON-O'NEILL CO., INC., New York, N. Y. Filed May 13, 1937. Under 10-year proviso.

BALTIMORE CLUB



For Whiskey.
Claims use since 1868.

Ser. No. 396,158. PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Aug. 7, 1937.

SEACREST

For Gin.
Claims use since July 29, 1937.

Ser. No. 396,160. PACIFIC DISTILLERS, INC., Culver City, Calif. Filed Aug. 7, 1937.

SWANDALE

For Gin.
Claims use since July 28, 1937.

Ser. No. 397,422. RATHJEN BROS., INC., San Francisco, Calif. Filed Sept. 14, 1937.

KENTUCKY COMFORT

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Oct. 1, 1916.

Ser. No. 397,891. THE AMERICAN DISTILLING COMPANY, Pekin, Ill. Filed Sept. 28, 1937.

The American Distilling Company's
Supreme

Applicant makes no claim to its corporate name "The American Distilling Company" apart from the mark shown.
For Straight Rye Whiskey and Straight Bourbon Whiskey.
Claims use since July 28, 1936.

Ser. No. 398,438. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed Oct. 13, 1937.



CONFEDERATE ROSE

For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since May 31, 1937.

Ser. No. 398,634. PLANTATION BEVERAGE CO., Philadelphia, Pa. Filed Oct. 18, 1937.

VIRGIN ISLAND
"CAPITOL HOUSE"

The words "Virgin Island" are disclaimed apart from the mark.
For Rum, Rum Punch, Whiskey, Gin, and Alcoholic Cordials.
Claims use since June 25, 1937.

Ser. No. 398,920. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 25, 1937.

MILESTONE

For Whiskey.
Claims use since Oct. 2, 1937.

Ser. No. 399,009. PICKER-LINZ IMPORTERS, INC., New York, N. Y. Filed Oct. 27, 1937.



The word "Brand" is disclaimed apart from the mark.
For Cognac.
Claims use since Sept. 22, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 397,494. ASHER & BORETZ, INC., New York, N. Y. Filed Sept. 17, 1937.

Raw-Tex

The word "Raw" is disclaimed apart from the mark.
For Artificial Leather.
Claims use since Aug. 7, 1937.

Ser. No. 397,535. JACOB GRIFFEL, New York, N. Y. Filed Sept. 18, 1937.

GENUINE
STORMPRUF
FINISH

The words "Genuine", "Stormpruf", and "Finish" are disclaimed apart from the mark.
For Waterproof Duck and Waterproof Canvas.
Claims use since December, 1928.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

NOVEMBER 30, 1937

352,323. **STOMACH BITTERS.** The Liebenthal Brothers Company, Cleveland, Ohio.
Filed December 21, 1933. Serial No. 345,211. PUBLISHED MARCH 27, 1934. Class 6.

352,324. CRAYONS. Blaisdell Pencil Company, Philadelphia, Pa.
Filed June 17, 1935. Serial No. 366,256. PUBLISHED SEPTEMBER 21, 1937. Class 37.

352,325. HEALING CREAM FOR THE SKIN. Chemical Products, Inc. of California, Culver City, Calif.
Filed February 3, 1936. Serial No. 374,402. PUBLISHED OCTOBER 13, 1936. Class 6.

352,326. CERAMIC WARE—NAMELY, TABLEWARE, KITCHENWARE, VASES, JARDINIERES, POTS, BOWLS, FLOWER HOLDERS, COASTERS, AND PET DISHES. Metlox Manufacturing Company, Manhattan Beach, Calif.
Filed February 7, 1936. Serial No. 374,597. PUBLISHED SEPTEMBER 21, 1937. Class 30.

352,327. AUTOMOBILE ACCESSORIES AND EQUIPMENT—NAMELY, LUGGAGE CARRIERS AND TRUNK RACKS FOR AUTOMOBILES, ETC. Peters and Russell, Inc., Springfield, Ohio.
Filed June 26, 1936. Serial No. 380,304. PUBLISHED SEPTEMBER 21, 1937. Class 19.

352,328. BUTTER. A. H. Phillips, Inc., Springfield, Mass.
Filed July 16, 1936. Serial No. 381,081. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,329. AUTOMOBILE-BODY HEATERS UTILIZING HOT FLUIDS FROM THE ENGINE. Noblitt-Sparks Industries, Inc., Columbus, Ind.
Filed July 18, 1936. Serial No. 381,167. PUBLISHED SEPTEMBER 14, 1937. Class 19.

352,330. SHOOTING TARGETS. Louis D. Hicks, Atlanta, Ga.
Filed July 20, 1936. Serial No. 381,204. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,331. CORRUGATED BOARD PACKING CASES. Louis D. Hicks, Atlanta, Ga.
Filed July 20, 1936. Serial No. 381,205. PUBLISHED SEPTEMBER 21, 1937. Class 2.

352,332. GUNS AND PISTOLS. Louis D. Hicks, Atlanta, Ga.
Filed July 20, 1936. Serial No. 381,206. PUBLISHED SEPTEMBER 21, 1937. Class 9.

352,333. FINELY DIVIDED SULPHUR PREPARATIONS FOR APPLICATION AS A HORTICULTURAL SPRAY OR DUST. The Dow Chemical Company, Midland, Mich.
Filed July 24, 1936. Serial No. 381,406. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,334. READY MIXED PAINTS AND PAINT ENAMELS. Walgreen Co., Chicago, Ill.
Filed August 3, 1936. Serial No. 381,794. PUBLISHED SEPTEMBER 21, 1937. Class 16.

352,335. INHALANT. Parke, Davis & Company, Detroit, Mich.
Filed September 14, 1936. Serial No. 383,222. PUBLISHED NOVEMBER 3, 1936. Class 6.

352,336. FROST PREVENTING AND THAWING LIQUID, ANTI-FREEZE SOLUTION, FROST AND ICE PREVENTING SOLUTION, ETC. George E. Hitz, Poughkeepsie, N. Y.
Filed October 24, 1936. Serial No. 384,748. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,337. GENERAL MEDICINAL TONIC. Alberto Jesus Paparelli, doing business as San Pedro Drug Company, San Antonio, Tex., assignor to Samuel Feldman, trading as The Viton Company, New York, N. Y.
Filed October 26, 1936. Serial No. 384,814. PUBLISHED JUNE 8, 1937. Class 6.

352,338. DOLOMITIC HYDRATED LIME. United States Gypsum Company, Chicago, Ill.
Filed October 31, 1936. Serial No. 385,015. PUBLISHED SEPTEMBER 21, 1937. Class 1.

352,339. MAGNESIUM PREPARATION FOR MEDICINAL PURPOSES—NAMELY, TO ABSORB HARMFUL AND TOXIC SUBSTANCES FROM THE INTESTINAL TRACT. The Wm. S. Merrell Company, Cincinnati, Ohio.
Filed November 2, 1936. Serial No. 385,055. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,340. PRODUCT CARBOHYDRATE IN STRUCTURE, FOR USE AS A PLASTICIZER IN THE GLUE, PAPER, AND LEATHER INDUSTRIES. The Nulomoline Company, New York, N. Y.
Filed November 24, 1936. Serial No. 385,936. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,341. CHEMICAL FOR USE IN THE SHAPING OF HATS. Jean Coll, New York, N. Y.
Filed November 27, 1936. Serial No. 386,012. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,342. MEN'S OUTER SUITS AND OVERCOATS. Rogers Peet Company, New York, N. Y.
Filed December 3, 1936. Serial No. 386,270. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,343. FURNITURE—NAMELY, CHAISE LONGUE, SLIPPER CHAIR, BED, DRESSER, VANITY, DRESSING TABLE, HIGH BOY, CHEST OF DRAWERS, CHIFFOROBE, WARDROBE, CHAIR, BENCH, NIGHT STAND, COMMODE, TABLE, HOST CHAIR, SIDE CHAIR, BUFFET, CHINA CABINET, SERVER. Saginaw Furniture Shops, Saginaw, Mich.
Filed December 4, 1936. Serial No. 386,320. PUBLISHED SEPTEMBER 21, 1937. Class 32.

352,344. STERILIZERS EMPLOYING HEAT FOR THE STERILIZING OF EATING AND DRINKING UTENSILS OR THE LIKE. Hydro-Therm Sterilizer Company, Boston, Mass.
Filed December 22, 1936. Serial No. 387,038. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,345. PUZZLES, CROQUET SETS, GAME BALLS AND BATS, TENNIS RACKETS AND NETS, ETC. Abraham & Straus, Inc., Brooklyn, N. Y.
Filed December 23, 1936. Serial No. 387,057. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,346. NIPPLES, NIPPLE RETAINING CAPS, SEALING DISCS FOR NURSING BOTTLES, AND NURSING BOTTLES. The Pyramid Rubber Company, Ravenna, Ohio.
Filed December 31, 1936. Serial No. 387,346. PUBLISHED SEPTEMBER 21, 1937. Class 44.

352,347. ELECTRIC STORAGE BATTERIES. Martha Bosworth, doing business as Supreme Battery Co., Brooklyn, N. Y.
Filed January 2, 1937. Serial No. 387,372. PUBLISHED SEPTEMBER 21, 1937. Class 21.

352,348. DAIRY AND POULTRY FEED. Southern States Cooperative, Incorporated, Richmond, Va., also doing business as Southern States Cooperative Mills, Baltimore, Md., and Southern States Mills, Norfolk and Roanoke, Va.
Filed January 6, 1937. Serial No. 387,521. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,349. WOMEN'S UNDERWEAR. R. H. Macy & Co., Inc., New York, N. Y.
Filed January 13, 1937. Serial No. 387,750. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,350. AUTOMOBILE SEAT COVERS. The Firestone Tire & Rubber Company, Akron, Ohio.
Filed January 16, 1937. Serial No. 387,864. PUBLISHED SEPTEMBER 21, 1937. Class 19.

352,351. MIXING AND SIFTING MACHINE FOR DRY POWDERED MATERIALS AND PARTS THEREOF. American Machine and Foundry Company, New York, N. Y.
Filed February 3, 1937. Serial No. 388,490. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,352. ELECTRIC SIGNAL LAMPS. Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio.
Filed January 28, 1937. Serial No. 388,254. PUBLISHED APRIL 20, 1937. Class 21.

352,353. FLUID PRESSURE SYSTEMS—NAMELY, AUTOMATIC WATER SYSTEMS FOR DEEP OR SHALLOW WELLS—AND FLUID PRESSURE APPARATUS—NAMELY, FLUID PUMPS, FLUID INJECTORS, AND FLUID EJECTORS. Advance Pump Company, Oakland, Calif.
Filed February 12, 1937. Serial No. 388,824. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,354. BLOOD TONIC AND PURIFIER. Harrison D. Loudermelt, Blowing Rock, N. C.
Filed February 23, 1937. Serial No. 389,257. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,355. PIECE GOODS OF RAYON, SILK, COTTON, WOOL AND/OR COMBINATIONS THEREOF. Harry D. Spielberg, New York, N. Y.
Filed February 27, 1937. Serial No. 389,485. PUBLISHED AUGUST 31, 1937. Class 42.

352,356. PLUMBING AND STEAM-FITTING VALVES AND METAL PIPE FITTINGS. Hasco Valve and Machine Co., Milwaukee, Wis.
Filed March 15, 1937. Serial No. 390,064. PUBLISHED SEPTEMBER 21, 1937. Class 13.

352,357. SHAMPOO. Millerine Company, Inc., Seattle, Wash.
Filed March 15, 1937. Serial No. 390,079. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,358. WINES. Roma Wine Company, Inc., New York, N. Y., and Lodi, Calif.
Filed March 18, 1937. Serial No. 390,240. PUBLISHED SEPTEMBER 21, 1937. Class 47.

352,359. ANTI-FREEZE PREPARATION. Cliffs Dow Chemical Company, Marquette, Mich.
Filed March 20, 1937. Serial No. 390,308. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,360. SEWING MACHINES. Frank P. Green Inc., New York, N. Y.
Filed March 25, 1937. Serial No. 390,518. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,361. RAZOR BLADES AND POCKET KNIVES FOR PERSONAL USE. Daniel H. Rider, doing business as Gay Blade Co., New York, N. Y.
Filed March 31, 1937. Serial No. 390,747. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,362. MOTION PICTURE FILMS. Master Pictures, Inc., Los Angeles, Calif.
Filed April 1, 1937. Serial No. 390,794. PUBLISHED SEPTEMBER 21, 1937. Class 26.

352,363. FLAVORING EXTRACT USED FOR FOOD PURPOSES. George Arras, New York, N. Y.
Filed April 7, 1937. Serial No. 391,016. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,364. MACHINE FOR DICING OR MAKING INTERSECTING CUTS IN MEAT SUCH AS STEAKS. Federal Engineering Company, Minneapolis, Minn.
Filed April 7, 1937. Serial No. 391,021. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,365. COFFEE, TEA, COCOAS, CHOCOLATE FOR COOKING AND BAKING PURPOSES, CANNED FRUITS, CANNED VEGETABLES, SPICES, FOOD FLAVORS AND FLAVORING EXTRACTS, ALMOND PASTE, KERNEL PASTE MADE FROM PEACH OR OTHER FRUIT KERNELS, DRIED FRUITS, MILK POWDER, ICINGS, BAKING SPECIALTIES—NAMELY, FUDGES AND FRUIT THICKENERS IN POWDER FORM, CANNED AND BOTTLED FRUIT PRESERVES, JELLIES, AND JAMS, BAKING POWDERS, NUTS, SHORTENINGS MADE FROM COTTONSEED OIL, FROM SOY BEAN OIL AND ANIMAL FAT, AND COTTONSEED OIL AND SOY BEAN OIL IN EDIBLE FORM. Reiss & Bernhard, Inc., New York, N. Y.
Filed April 9, 1937. Serial No. 391,147. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,366. PREPARATION FOR DANDRUFF, HEADACHE PILLS, CORN PREPARATION, COLD TABLETS, LAXATIVE PILLS, SUNBURN OINTMENT, ANTI-ITCH SALVE, COUGH SYRUP, RECONSTRUCTIVE TONIC, ASPIRIN. Samuel L. Weinstock, doing business as Green Light Pharmacal Company, Philadelphia, Pa.
Filed April 13, 1937. Serial No. 391,260. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,367. DUPLICATING MACHINES AND PARTS THEREOF. A. B. Dick Company, Chicago, Ill.
Filed April 16, 1937. Serial No. 391,415. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,368. BADGE PINS. National Fireworks, Inc., West Hanover, Mass.
Filed April 19, 1937. Serial No. 391,544. PUBLISHED SEPTEMBER 21, 1937. Class 50.

352,369. READY MIXED, PASTE, AND POWDER FORM PAINTS, INCLUDING VARNISH, PAINT ENAMEL, PREPARED SHELLAC, PAINT AND VARNISH REMOVER, AND POLISHING WAX. Perfection Paint and Color Company, Indianapolis, Ind.
Filed April 20, 1937. Serial No. 391,587. PUBLISHED SEPTEMBER 21, 1937. Class 16.

352,370. FISHING LURES. Automotive Maintenance Machinery Co., North Chicago, Ill.
Filed April 21, 1937. Serial No. 391,607. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,371. PROCESSED NATURAL GUMS USED AS A BASE FOR A PERMANENT WAVE SET. Thurston & Braidich, New York, N. Y.
Filed April 21, 1937. Serial No. 391,665. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,372. BUTTER, YOGHURT MILK, ICE CREAM, BUTTERMILK, AND CHEESE. Eduard Spieker, doing business as Dr. Eduard Spieker's Laboratory, Forest Hills, N. Y.
Filed April 22, 1937. Serial No. 391,715. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,373. PREPARATIONS IN TABLET AND POWDER FORM FOR USE AS ANTISEPTIC AND BACTERICIDAL AGENTS, INSECTICIDES, AND DISINFECTANTS. Merz & Co. Chemische Fabrik, Frankfort-on-the-Main, Germany.
Filed April 29, 1937. Serial No. 392,043. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,374. TOYS—NAMELY, ELECTRIC RAILWAY TRAINS AND PARTS THEREOF. VEREINIGTE SPIELWARENFABRIKEN ANDREAS FÖRTNER & J. HAFFNER'S NACHF. G. M. B. H., Nuremberg, Germany.
Filed May 4, 1937. Serial No. 392,296. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,375. TOYS—NAMELY, METAL BUILDING ELEMENTS IN SETS AND PARTS THEREOF. VEREINIGTE SPIELWARENFABRIKEN ANDREAS FÖRTNER & J. HAFFNER'S NACHF. G. M. B. H., Nuremberg, Germany.
Filed May 4, 1937. Serial No. 392,297. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,376. LAP WELDED, BUTT WELDED, AND ELECTRIC WELDED PIPE, CASING, AND TUBING OF VARIOUS CROSS-SECTIONAL SHAPES, METAL CULVERTS AND DRAINAGE PIPE, ETC. REPUBLIC STEEL CORPORATION, Cleveland, Ohio.
Filed May 5, 1937. Serial No. 392,333. PUBLISHED SEPTEMBER 21, 1937. Class 13.

352,377. BESSEMER, OPEN HEARTH AND ELECTRIC FURNACE CARBON, ALLOY AND STAINLESS FERROUS METAL INGOTS, BLOOMS, BILLETS, AND SLABS, ETC. REPUBLIC STEEL CORPORATION, Cleveland, Ohio.
Filed May 5, 1937. Serial No. 392,334. PUBLISHED SEPTEMBER 21, 1937. Class 14.

352,378. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed May 5, 1937. Serial No. 392,345. PUBLISHED SEPTEMBER 21, 1937. Class 35.

352,379. MEDICINAL PREPARATION IN LIQUID, TABLET, AND OINTMENT FORM USED IN THE TREATMENT OF ALLERGIA, ANEMIA, ARTERIO SCLEROSIS, ETC. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany.
Filed May 6, 1937. Serial No. 392,383. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,380. MEDICINAL PREPARATION IN TABLET FORM USED IN THE TREATMENT OF DISEASES AND DISTURBANCES OF THE STOMACH AND INTESTINES, GALL BLADDER AILMENTS, ANEMIA, ANGINA, AVITAMINOSIS, VENEREAL DISEASES, DYSMENORRHEA, FATIGUE, COLDS, AND TO ALLEVIATE PAINS IN GENERAL. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany.
Filed May 6, 1937. Serial No. 392,384. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,381. ASBESTOS PACKING, RUBBER PACKING, RUBBER AND FABRIC PACKING, COMPOSITE RUBBER PACKING, SHEET RUBBER PACKING WITH CLOTH INSERT, EACH OF SAID PACKINGS BEING SOLD IN THE FORM OF RINGS, STRIPS, AND SHEETS FROM WHICH GASKETS ARE MADE, RUBBER BELTING, RUBBER BELTS, RUBBER HOG BEATER BELTS INTENDED FOR USE TO REMOVE HAIR AS BY BEATING OR SCRAPING, FIRE HOSE, GARDEN AND INDUSTRIAL HOSE, RUBBER HOSE, COMPOSITE RUBBER HOSE, AND RUBBER HOSE LINES, AND RUBBER TUBING FOR MILKING MACHINES. HERBERT A. GREENE, doing business as M. L. Snyder & Son, Philadelphia, Pa.
Filed May 13, 1937. Serial No. 392,690. PUBLISHED SEPTEMBER 21, 1937. Class 35.

352,382. WHISKEY. BLAIR DISTILLING COMPANY, Chicago, Ky.
Filed May 14, 1937. Serial No. 392,739. PUBLISHED SEPTEMBER 21, 1937. Class 49.

352,383. RUBBER AND LIKE COMPOSITION TIRES FOR TRACTORS, TRAILERS, AND OTHER VEHICLES. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee and West Allis, Wis.
Filed May 17, 1937. Serial No. 392,833. PUBLISHED SEPTEMBER 21, 1937. Class 35.

352,384. YARNS. PORTER (PHILADELPHIA) INC., Philadelphia, Pa.
Filed May 18, 1937. Serial No. 392,937. PUBLISHED SEPTEMBER 21, 1937. Class 43.

352,385. MEN'S AND YOUNG MEN'S WEARING APPAREL—NAMELY, SUITS, COATS, VESTS, TROUSERS, KNICKERS, FULL DRESS SUITS AND TUXEDOS, MORNING SUITS AND FROCK COATS, COATS, VESTS, AND TROUSERS CLASSED AS SPORTS WEAR, SLACKS, RAINCOATS, TOPCOATS, JACKETS, "WINDBREAKERS", AND OVERCOATS. UTEX CLOTHES, INC., New York, N. Y.
Filed May 22, 1937. Serial No. 393,153. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,386. CONCENTRATED ENERGY FOOD PREPARATION TO AID IN REDUCING WEIGHT. BOND PHARMACALS, Dallas, Tex.
Filed May 25, 1937. Serial No. 393,211. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,387. PRINTING PRESSES AND PRINTING INDUSTRY ACCESSORIES—TO WIT: NON-OFFSET GUN, COMPRESSOR, COMPOSING ROOM SAW, SAW BLADES, PAPER CUTTER BLADES. AMERICAN TYPE FOUNDERS SALES CORPORATION, Elizabeth, N. J.
Filed May 26, 1937. Serial No. 393,261. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,388. WINES. S & K WINERY, Los Angeles, Calif.
Filed May 29, 1937. Serial No. 393,447. PUBLISHED SEPTEMBER 21, 1937. Class 47.

352,389. CAST AND STAMPED METAL WARE—NAMELY, COMPARTMENT TRAYS INCLUDING REMOVABLE PLATES, CUPS AND PITCHERS, TRAYS, AND PLATES FOR COOKING AND SERVING FOODS. KENNETH E. BEMIS, Oakland, Calif.
Filed June 1, 1937. Serial No. 393,473. PUBLISHED SEPTEMBER 21, 1937. Class 2.

352,390. PLASTIC METALLIC PACKING. THE CONNEAUT PACKING COMPANY, Conneaut, Ohio.
Filed June 2, 1937. Serial No. 393,528. PUBLISHED SEPTEMBER 21, 1937. Class 35.

352,391. FEED CONVEYERS FOR LOOSE ROCK AND SIMILAR MATERIALS. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,551. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,392. MATERIAL HANDLING EQUIPMENT AND PARTICULARLY CONVEYING MECHANISM AND PARTS THEREOF FOR CONVEYING AND HOISTING GRANULAR AND LOOSE MATERIALS. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,552. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,393. TURPENTINE. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed June 2, 1937. Serial No. 393,556. PUBLISHED AUGUST 3, 1937. Class 16.

352,394. ELECTRIC LIGHTING FIXTURES FOR HOUSEHOLD AND COMMERCIAL INSTALLATIONS. THE EDWIN F. GUTH COMPANY, St. Louis, Mo.
Filed June 3, 1937. Serial No. 393,594. PUBLISHED SEPTEMBER 21, 1937. Class 21.

352,395. MACHINERY PACKING. HEWITT RUBBER CORPORATION, Buffalo, N. Y.
Filed June 3, 1937. Serial No. 393,598. PUBLISHED SEPTEMBER 21, 1937. Class 35.

352,396. BASE METAL COOKING HOLLOWWARE. ALUMINUM PRODUCTS COMPANY, La Grange, Ill.
Filed June 4, 1937. Serial No. 393,631. PUBLISHED SEPTEMBER 21, 1937. Class 13.

352,397. SILVER PLATED TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed June 5, 1937. Serial No. 393,730. PUBLISHED AUGUST 17, 1937. Class 28.

352,398. FLOUR MILLING MACHINERY—NAMELY, ASPIRATORS, BOLTERS AND SIFTERS, BRAN AND SHORTS DUSTERS, DRIERS, ELEVATORS, FEEDERS, FLOUR DRESSERS, FLOUR, BRAN AND FEED PACKERS, PURIFIERS, REELS, ROLLER MILLS, SCALPERS, SCREENS, SIEVES, AND PARTS THEREOF. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee and West Allis, Wis.
Filed June 7, 1937. Serial No. 393,748. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,399. AGRICULTURAL SCRAPES. KING PLOW COMPANY, Atlanta, Ga.
Filed June 7, 1937. Serial No. 393,769. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,400. HAIR GROWER. SALLIE WRIGHT, Roseville, Mich.
Filed June 8, 1937. Serial No. 393,828. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,401. GENERAL TONIC. EUGENE F. MURPHY, doing business as Zolvo-Cones Company, Jersey City, N. J.
Filed June 9, 1937. Serial No. 393,870. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,402. PHOTOGRAPHIC ENLARGING APPARATUS. SIMMON BROTHERS, Long Island City, N. Y.
Filed June 9, 1937. Serial No. 393,875. PUBLISHED SEPTEMBER 21, 1937. Class 26.

352,403. PHARMACEUTICALS AND DRUG MEDICATION TO BE USED IN THE TREATMENT OF BRONCHIAL ASTHMA, HAY FEVER, RICKETS AND ALL CALCIUM DEFICIENCIES. ENDO PRODUCTS, INC., New York, N. Y.
Filed June 10, 1937. Serial No. 393,899. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,404. ELECTRICAL RECTIFIERS AND CHARGERS. THE ARGAS CORP., Newark, N. J.
Filed June 11, 1937. Serial No. 393,934. PUBLISHED SEPTEMBER 21, 1937. Class 21.

352,405. PAPER TISSUES IN THE FORM OF HANDKERCHIEFS, TOWELS, DRYING SHEETS, AND FACE WIPERS. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa.
Filed June 14, 1937. Serial No. 394,041. PUBLISHED SEPTEMBER 21, 1937. Class 37.

352,406. INSECTICIDES. MCLAUGHLIN GORMLEY KING COMPANY, Minneapolis, Minn.
Filed June 14, 1937. Serial No. 394,043. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,407. LIGHT MODIFYING WINDOW PAINT FOR POULTRY HOUSES AND BROODERS. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 14, 1937. Serial No. 394,062. PUBLISHED SEPTEMBER 21, 1937. Class 16.

352,408. DINING, COFFEE, END, DRUM, DROP LEAF, AND CONSOLE TABLES, DESKS, SECRETARIES, BOOKCASES, DRESSERS, CHESTS, VANITIES, BEDS, BENCHES, ETC. KAPLAN FURNITURE COMPANY, Cambridge, Mass.
Filed June 15, 1937. Serial No. 394,088. PUBLISHED SEPTEMBER 21, 1937. Class 32.

352,409. LIFTING TRUCKS. THE YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn.
Filed June 15, 1937. Serial No. 394,107. PUBLISHED SEPTEMBER 21, 1937. Class 19.

352,410. HOMOGENIZERS AND PUMPS. JOHN MARCO, doing business as Marco Company, Philadelphia, Pa.
Filed June 16, 1937. Serial No. 394,141. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,411. WINES. MCKESSON & ROBBINS, INCORPORATED, Los Angeles, Calif.
Filed June 16, 1937. Serial No. 394,142. PUBLISHED SEPTEMBER 21, 1937. Class 47.

352,412. BATHTUBS. BRIGGS MANUFACTURING CO., Detroit, Mich.
Filed June 17, 1937. Serial No. 394,158. PUBLISHED SEPTEMBER 21, 1937. Class 13.

352,413. EFFERVESCENT ALKALIZING PREPARATION. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind.
Filed June 17, 1937. Serial No. 394,166. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,414. WATER REPELLENT CLOTH FABRICS IN THE PIECE. WILLIAM L. BARRELL COMPANY, INC., New York, N. Y.
Filed June 18, 1937. Serial No. 394,217. PUBLISHED SEPTEMBER 21, 1937. Class 50.

352,415. GARMENT OR OTHER MATERIAL PRESSING STEAM ELECTRIC IRONS. STEEM-ELECTRIC CORPORATION, St. Louis, Mo.
Filed June 18, 1937. Serial No. 394,261. PUBLISHED SEPTEMBER 21, 1937. Class 21.

352,416. MECHANICAL MILKING MACHINES. HARRY DE LAERE, doing business as Dairy Equipment Company, Lansing, Mich.
Filed June 19, 1937. Serial No. 394,274. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,417. DOG FOOD. LIFE PRODUCTS, INC., Cleveland, Ohio.
Filed June 19, 1937. Serial No. 394,291. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,418. DENTIFRICE. ELMER W. SCHUESSLER, doing business as Air-O-Dent Company, Chicago, Ill.
Filed June 19, 1937. Serial No. 394,309. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,419. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF ASTHMA, BRONCHITIS, AND COLDS. RODRIGO JORDÁN, Habana, Cuba.
Filed June 22, 1937. Serial No. 394,373. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,420. DENTIFRICES, PARTICULARLY TOOTH POWDER. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed June 22, 1937. Serial No. 394,384. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,421. MACHINES FOR VAPORIZING AND APPLYING INSECTICIDAL SPRAYS. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed June 22, 1937. Serial No. 394,391. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,422. INNER SPRING UNITS OF MATTRESSES. SEALY MATTRESS COMPANY, Pittsburgh, Pa.
Filed June 23, 1937. Serial No. 394,430. PUBLISHED SEPTEMBER 21, 1937. Class 32.

352,423. WHEAT FLOUR, CORN MEAL, AND STOCK FEEDS. ADA MILLING COMPANY, Ada, Okla.
Filed June 24, 1937. Serial No. 394,446. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,424. PORTABLE POWER WRENCHES. INDEPENDENT PNEUMATIC TOOL COMPANY, Chicago, Ill.
Filed June 24, 1937. Serial No. 394,460. PUBLISHED SEPTEMBER 21, 1937. Class 23.

352,425. LOCAL ANAESTHETIC WHICH EXERTS A CHEMOTHERAPEUTIC ACTION PROMOTING THE HEALING OF WOUNDS. OXYCAINE COMPANY, New York, N. Y.
Filed June 25, 1937. Serial No. 394,502. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,426. INTER-COMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS AND PARTS THEREOF COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTER-CONNECTING CIRCUITS, AND ENERGIZING DEVICES WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION. WEBSTER ELECTRIC COMPANY, Racine, Wis.
Filed June 25, 1937. Serial No. 394,517. PUBLISHED SEPTEMBER 21, 1937. Class 21.

352,427. CRUNCH PADS OR MATS FOR USE IN ASH TRAYS. HELENA S. SADTLER, Philadelphia, Pa.
Filed June 26, 1937. Serial No. 394,557. PUBLISHED SEPTEMBER 21, 1937. Class 8.

352,428. HAIR RINSE PREPARATION. GOLDEN GLINT CO., INC., Seattle, Wash.
Filed June 28, 1937. Serial No. 394,600. PUBLISHED SEPTEMBER 14 ,1937. Class 6.

352,429. HAIR RINSE PREPARATION. GOLDEN GLINT COMPANY, INC., Seattle, Wash.
Filed June 28, 1937. Serial No. 394,601. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,430. MEDICINAL PREPARATION CONTAINING A HEAVY COLORLESS MINERAL OIL, USEFUL, AMONG OTHER THINGS, AS AN INTESTINAL LUBRICANT. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,619. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,431. MEDICINAL PREPARATION CONTAINING CODEINE SULFATE, PRUNUS VIRGINIANA, PINUS STROBUS, SANGUINARIA, AND TERPIN HYDRATE, USEFUL, AMONG OTHER THINGS, AS AN EXPECTORANT AND BRONCHIAL SEDATIVE. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,620. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,432. VANITY COMPACTS INCLUDING BASE METAL CASES HAVING POWDER AND ROUGE FILLERS. MARK CROSS COMPANY, New York, N. Y.
Filed June 29, 1937. Serial No. 394,669. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,433. OLIVE OIL SHAMPOO. ROBERT P. SCHMIDT, doing business as Morning Glo Laboratories, Chicago, Ill.
Filed June 29, 1937. Serial No. 394,680. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,434. EMULSIFIED WAX AND THINNER TO BE USED IN THE WAXING OF SEWING THREAD USED IN SHOE STITCHING MACHINES. SAMUEL C. GOLDMAN, Norfolk, Va.
Filed June 30, 1937. Serial No. 394,704. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,435. DRESS SILK, RAYON, AND COTTON PIECE GOODS. W. T. GRANT COMPANY, New York, N. Y.
Filed June 30, 1937. Serial No. 394,706. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,436. CATHODE RAY OSCILLOGRAPHS, RADIO FREQUENCY AND AUDIO FREQUENCY TEST OSCILLATORS, TUBE TESTERS, RADIO SET TESTERS, ELECTRIC METERS, CIRCUIT TESTERS AND ELECTRICAL INDICATING METERS. THE JACKSON ELECTRICAL INSTRUMENT COMPANY, Dayton, Ohio.
Filed June 30, 1937. Serial No. 394,712. PUBLISHED SEPTEMBER 21, 1937. Class 26.

352,437. FABRIC MADE OF COTTON, RAYON, AND OTHER SYNTHETIC YARNS SOLD AS PIECE GOODS AND USED IN THE MANUFACTURE OF LINING AND INTERLINING FOR MEN'S AND WOMEN'S GARMENTS. BRAND & OPPENHEIMER, INC., New York, N. Y.
Filed July 1, 1937. Serial No. 394,740. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,438. NUTRITIVE, STIMULANT, AND ROBORANT TONICS. E. R. SQUIBB & SONS, New York, N. Y.
Filed July 1, 1937. Serial No. 394,761. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,439. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed July 1, 1937. Serial No. 394,762. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,440. ASTRINGENTS, ASTRINGENT CERATES, BEAUTY CREAMS, BLEACH CREAMS, COLD CREAMS, CLEANSING CREAMS, ETC. PARFUMERIE ST. DENIS, New York, N. Y.
Filed July 2, 1937. Serial No. 394,799. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,441. CLEANSING TISSUES, PAPER TOWELS, WRITING TABLETS, AND TOILET TISSUES. DAVID PENDER GROCERY COMPANY, Norfolk, Va.
Filed July 2, 1937. Serial No. 394,800. PUBLISHED SEPTEMBER 21, 1937. Class 37.

352,442. EAR MUFFS FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN. PORTIS BROS. HAT CO., Chicago, Ill.
Filed July 2, 1937. Serial No. 394,803. PUBLISHED AUGUST 31, 1937. Class 39.

352,443. SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING SOFT DRINKS. CLYDE COLLINS, INCORPORATED, Memphis, Tenn., assignor to Plough, Inc., doing business as Twenty Grand Company, Memphis, Tenn., a corporation of Delaware.
Filed July 3, 1937. Serial No. 394,825. PUBLISHED AUGUST 24, 1937. Class 45.

352,444. TRUNKS AND LADIES' AND MEN'S WARDROBE CASES, AND OVERNIGHT BAGS. EVER-WEAR TRUNK WORKS, INC., Chicago, Ill.
Filed July 3, 1937. Serial No. 394,831. PUBLISHED SEPTEMBER 14, 1937. Class 3.

352,445. MEDICINAL PREPARATION FOR CONDITIONS ASSOCIATED WITH EXHAUSTION OF THE CARDIAC MUSCLE, PRIMARILY IN CASES OF AURICULAR FIBRILLATION. SCHERING CORPORATION, Bloomfield, N. J.
Filed July 3, 1937. Serial No. 394,865. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,446. MEDICINAL PREPARATION FOR CONDITIONS ASSOCIATED WITH EXHAUSTION OF THE CARDIAC MUSCLE, PRIMARILY IN CASES OF AURICULAR FIBRILLATION. SCHERING CORPORATION, Bloomfield, N. J.
Filed July 3, 1937. Serial No. 394,866. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,447. CHEMICAL DRAIN PIPE CLEANER, IN POWDER FORM, ADAPTED TO BE DISSOLVED IN WATER. STANLEY PAINT AND VARNISH CO. INC., Brooklyn and New York, N. Y.
Filed July 3, 1937. Serial No. 394,870. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,448. CHEMICAL WALL PAPER REMOVER IN POWDER FORM, ADAPTED TO BE DISSOLVED IN WATER. STANLEY PAINT AND VARNISH CO. INC., New York and Brooklyn, N. Y.
Filed July 3, 1937. Serial No. 394,872. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,449. SEPARABLE FASTENERS OF THE SLIDER OPERATED TYPE. STRAUSS FASTENERS, INC., New York, N. Y.
Filed July 3, 1937. Serial No. 394,874. PUBLISHED SEPTEMBER 21, 1937. Class 13.

352,450. PREPARATION IN POWDERED FORM FOR USE IN DESIZING TEXTILE GOODS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed July 3, 1937. Serial No. 394,875. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,451. EAR-DROPS. THE DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed July 7, 1937. Serial No. 394,935. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,452. SODIUM PHOSPHATE, PARTICULARLY TRISODIUM PHOSPHATE. GENERAL CHEMICAL COMPANY, New York, N. Y.
Filed July 7, 1937. Serial No. 394,939. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,453. LINENS IN THE PIECE. SAMUEL LAMONT & SONS (NEW YORK) LIMITED, New York, N. Y.
Filed July 8, 1937. Serial No. 394,992. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,454. COAL. THE KELLY-CARTER COAL COMPANY, Pittsburg, Kans.
Filed July 9, 1937. Serial No. 395,039. PUBLISHED SEPTEMBER 21, 1937. Class 1.

352,455. MEDICATED CREAM FOR USE AS A COSMETIC AND IN THE TREATMENT OF CHAPPED, CHAFED, IRRITATED OR SUN-BURNED SKIN. LUCKY TIGER MANUFACTURING COMPANY, Kansas City, Mo.
Filed July 9, 1937. Serial No. 395,041. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,456. MEN'S OVERCOATS. SPEAR & COMPANY, Pittsburgh, Pa.
Filed July 9, 1937. Serial No. 395,054. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,457. PREPARATION FOR PRESERVING AND BEAUTIFYING THE HAIR. LANMAN & KEMP-BARCLAY & CO. INCORPORATED, New York, N. Y.
Filed July 10, 1937. Serial No. 395,071. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,458. ANTI-FREEZE SOLUTION OF DENATURED ALCOHOL. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed July 10, 1937. Serial No. 395,081. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,459. DISTILLED ALCOHOLIC LIQUORS—NAMELY, GIN. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed July 10, 1937. Serial No. 395,082. PUBLISHED SEPTEMBER 21, 1937. Class 49.

352,460. DISTILLED ALCOHOLIC LIQUORS—NAMELY, GIN. PACIFIC DISTILLERS, INC., Culver City, Calif.
Filed July 10, 1937. Serial No. 395,083. PUBLISHED SEPTEMBER 21, 1937. Class 49.

352,461. PERFUME. KATHLEEN MARY QUINLAN, INC., New York, N. Y.
Filed July 10, 1937. Serial No. 395,095. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,462. FACE CREAMS, SUN TAN CREAM; CREAMS, OILS, AND LOTIONS FOR THE PREVENTION OF SUN BURN; SUNBURN BALM, AFTER SHAVE LOTION, TALCUM, FACE POWDER, LIP STICK, HAIR OIL, HAIR TONIC, AND ANTI-PERSPIRANT. THORPE DEAKERS, Los Angeles, Calif.
Filed July 12, 1937. Serial No. 395,127. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,463. TREATED YARNS COMPRISING COTTON, LINEN, AND OTHER VEGETABLE FIBRES. SYLVANIC COMPANY, INC., New York, N. Y.
Filed July 13, 1937. Serial No. 395,178. PUBLISHED SEPTEMBER 14, 1937. Class 43.

352,464. INSECTICIDES. MCLAUGHLIN GORMLEY KING COMPANY, Minneapolis, Minn.
Filed July 14, 1937. Serial No. 395,199. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,465. LARIAT ROPE. ROCHESTER ROPES, INC., Jamaica, N. Y.
Filed July 14, 1937. Serial No. 395,212. PUBLISHED SEPTEMBER 21, 1937. Class 7.

352,466. FLOWER SEEDS AND GARDEN SEEDS INCLUDING VEGETABLE SEEDS. THE O. M. SCOTT & SONS COMPANY, Marysville, Ohio.
Filed July 15, 1937. Serial No. 395,243. PUBLISHED SEPTEMBER 21, 1937. Class 1.

352,467. PREPARATION FOR WAXING ALL FORMS OF LINOLEUM, ASPHALT, RUBBER, MASTIC COMPOSITION, WOOD FLOORS, ETC. BALDWIN LABORATORIES, INC., Saegertown, Pa.
Filed July 16, 1937. Serial No. 395,263. PUBLISHED SEPTEMBER 21, 1937. Class 16.

352,468. ASH RECEIVERS, ASH TRAYS; CIGAR, CIGARETTE, AND TOBACCO BOXES FOR SMOKERS; COMBINATION SMOKERS' SETS CONSISTING OF TRAY, ASH TRAY, CIGARETTE CONTAINER, AND MATCH HOLDER; HUMIDORS, PIPE RACKS AND STANDS, AND MATCH RECEPTACLES. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,266. PUBLISHED SEPTEMBER 21, 1937. Class 8.

352,469. COMPOUND OR PREPARATION IN THE NATURE OF A REPELLENT CALCULATED FOR USE ON FEMALE DOGS AND INTENDED TO FORESTALL COPULATION. WILLIAM F. SWAN, doing business as Knock-em-Stiff Products Company, Boston, Mass.
Filed July 16, 1937. Serial No. 395,322. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,470. MEDICINAL PREPARATION FOR RELIEVING ATHLETES FOOT. ELM DRUG & SURGICAL CO., INC., New York, N. Y.
Filed July 17, 1937. Serial No. 395,338. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,471. SEDATIVE, HYPNOTIC, AND ANALGESIC PREPARATION USED IN THE TREATMENT OF NERVOUS DISORDERS OF THE HEART, GIDDINESS, ATTACKS OF WEAKNESS, HEADACHE, PAINS IN THE LIMBS, CRAMP, AND DEPRESSION AND INSOMNIA. WILLIAM KRAMER, doing business as Dorm-O-Cit Laboratory, New York, N. Y.
Filed July 17, 1937. Serial No. 395,347. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,472. NON-ALCOHOLIC BEVERAGES. TAVERN FRUIT JUICE CO., INC., New York, N. Y.
Filed July 17, 1937. Serial No. 395,363. PUBLISHED SEPTEMBER 21, 1937. Class 45.

352,473. MEDICINAL PRODUCT WHICH IS A HYPNOTIC AND SEDATIVE AND CONTAINS THE SUBSTANCE ALPHA-BROMO-ETHYL-BUTYL-ACETYL UREA. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa.
Filed July 17, 1937. Serial No. 395,369. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,474. MEDICINAL PREPARATION INTENDED FOR USE IN STIMULATION OF THE HEMOGLOBIN. BRADLEY-EATON CHEMICAL CO., INC., Brooklyn, N. Y.
Filed July 19, 1937. Serial No. 395,398. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,475. UMBRELLA. FRANKFORD UMBRELLA MANUFACTURING CO., Philadelphia, Pa.
Filed July 19, 1937. Serial No. 395,408. PUBLISHED SEPTEMBER 14, 1937. Class 41.

352,476. WOOL AND CAMEL'S HAIR PIECE GOODS. MAX LEVINE & CO., New York, N. Y.
Filed July 19, 1937. Serial No. 395,422. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,477. MOTHPROOFING PREPARATIONS. KYDO MOTHPROOFING CORPORATION, Boston, Mass.
Filed July 20, 1937. Serial No. 395,450. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,478. PAPER CLEANSING TISSUES. NATIONAL CELLULOSE CORPORATION, New York, N. Y.
Filed July 20, 1937. Serial No. 395,455. PUBLISHED SEPTEMBER 21, 1937. Class 37.

352,479. PREPARATION FOR THE TREATMENT OF DERMATOPHYTES, ESPECIALLY ATHLETE'S FOOT. NYE, WESTON & GRIFFIN, INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,536. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,480. PERFUMES. BO-KAY PERFUME CO., New York, N. Y.
Filed July 24, 1937. Serial No. 395,604. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,481. PRINTING INK. GENERAL PRINTING INK CORPORATION, New York, N. Y.
Filed July 24, 1937. Serial No. 395,615. PUBLISHED SEPTEMBER 21, 1937. Class 11.

352,482. PREPARATION FOR THE TREATMENT OF HAY FEVER. DENNIS ESTILL HAMER, Austin, Tex.
Filed July 24, 1937. Serial No. 395,618. PUBLISHED SEPTEMBER 14, 1937. Class 6.

352,483. WOOLEN AND WOOL MIXTURE FABRICS IN THE PIECE. LINKER & HERBERT, INC., New York, N. Y.
Filed July 24, 1937. Serial No. 395,621. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,484. ASH RECEIVERS AND TRAYS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed July 24, 1937. Serial No. 395,624. PUBLISHED SEPTEMBER 21, 1937. Class 8.

352,485. TOOTH BRUSHES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed July 30, 1937. Serial No. 395,828. PUBLISHED SEPTEMBER 21, 1937. Class 29.

352,486. BISCUITS AND WAFERS. A. ROMARY & COMPANY LIMITED, Tunbridge Wells, England.
Filed August 2, 1937. Serial No. 395,929. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,487. FRESH DECIDUOUS FRUITS. UKIAH FRUIT GROWERS, INC., Ukiah, Calif.
Filed July 24, 1937. Serial No. 395,632. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,488. LADIES', MISSES', AND CHILDREN'S WORK DRESSES. CHARLES P. HOLZDERBER, New York, N. Y.
Filed July 27, 1937. Serial No. 395,667. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,489. HOSIERY. S. H. KRESS AND COMPANY, New York, N. Y.
Filed July 27, 1937. Serial No. 395,673. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,490. PAINT BRUSHES. RUBBERSET COMPANY, Newark, N. J.
Filed July 27, 1937. Serial No. 395,684. PUBLISHED SEPTEMBER 21, 1937. Class 29.

352,491. CHILDREN'S COATS AND SNOW SUITS. STERN & HERFF CORP., New York, N. Y.
Filed July 27, 1937. Serial No. 395,686. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,492. BIRD FOOD. THE NATURE FRIEND INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,764. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,493. TABLETS FOR RELIEVING PAIN DUE TO HEADACHES, NEURALGIA, MUSCULAR ACHES AND PAINS, TOOTHACHE, COMMON COLDS, AND PERIODIC PAINS CAUSED BY DELAYED MENSTRUATION DUE TO COLDS OR EXCITEMENT AND FUNCTIONAL MENSTRUAL DISTURBANCES. PURITY DRUG CO. INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,768. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,494. WOMEN'S PAJAMAS. MITTELMAN, BERNSTEIN CO., Wilmington, Del., and New York, N. Y.
Filed August 3, 1937. Serial No. 395,797. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,495. MISSES' AND WOMEN'S DRESSES, SUITS, SKIRTS, JACKETS, COATS, AND BLOUSES. ADLER & ADLER, INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,801. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,496. FABRICS IN THE PIECE OF SILK, COTTON, WOOL, OR RAYON. HARRY L. SHEINMAN & SONS INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,840. PUBLISHED SEPTEMBER 21, 1937. Class 42.

352,497. COUGH DROPS. GEORGE J. PRAECHTL, Buffalo, N. Y.
Filed July 23, 1937. Serial No. 395,852. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,498. FORGED PLATE TO BE USED IN THE MANUFACTURE OF STEEL ARTICLES SUCH AS PRESSURE VESSELS, DRUMS, TANKS, TOWERS, AND THE LIKE. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 31, 1937. Serial No. 395,866. PUBLISHED SEPTEMBER 21, 1937. Class 14.

352,499. ELECTROLYTIC COPPER. PHELPS DODGE CORPORATION, New York, N. Y.
Filed July 31, 1937. Serial No. 395,879. PUBLISHED SEPTEMBER 21, 1937. Class 14.

352,500. KNITTING YARN. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 31, 1937. Serial No. 395,885. PUBLISHED SEPTEMBER 21, 1937. Class 43.

352,501. INCENSE IN CIGARETTE FORM. SATISH CHANDRA GHOSE, doing business as India Incense Company, Chicago, Ill.
Filed August 2, 1937. Serial No. 395,915. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,502. PERFUMES. JEAN PATOU, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,965. PUBLISHED SEPTEMBER 21, 1937. Class 6.

352,503. FERTILIZER. ROBERTSON CHEMICAL CORPORATION, Norfolk, Va.
Filed August 3, 1937. Serial No. 395,967. PUBLISHED SEPTEMBER 21, 1937. Class 10.

352,504. CANNED VEGETABLES. KENNETH N. RIDER COMPANY, INC., Trafalgar, Ind.
Filed August 4, 1937. Serial No. 396,014. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,505. HOSIERY. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J.
Filed August 6, 1937. Serial No. 396,082. PUBLISHED SEPTEMBER 21, 1937. Cass 39.

352,506. TOY FOR DOGS. ROCK MANUFACTURING COMPANY, Rock, Mass.
Filed August 6, 1937. Serial No. 396,086. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,507. NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING THE SAME. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass.
Filed August 7, 1937. Serial No. 396,115. PUBLISHED SEPTEMBER 21, 1937. Class 45.

352,508. SELF-INFLATING LIFE PRESERVERS. THE LIFEGARD CO., INC., Chicago, Ill.
Filed August 7, 1937. Serial No. 396,140. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,509. CANNED ORANGE JUICE FOR FOOD PURPOSES. TREESWEET PRODUCTS CO., Los Angeles, Calif.
Filed August 7, 1937. Serial No. 396,172. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,510. GRANULATED NUT MEATS. HOGUE MERCANTILE CO., Kansas City, Mo.
Filed August 9, 1937. Serial No. 396,191. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,511. OLIVE OIL. MUSHER AND COMPANY, INCORPORATED, New York, N. Y.
Filed August 11, 1937. Serial No. 396,276. PUBLISHED SEPTEMBER 21, 1937. Class 46.

352,512. BOARD RACING GAME. SAMUEL H. NEUBURGER, New York, N. Y.
Filed August 13, 1937. Serial No. 396,368. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,513. PROPHYLACTIC RUBBER ARTICLES USED FOR THE PREVENTION OF CONTAGIOUS DISEASES. GRIFFSEN RUBBER COMPANY, Philadelphia, Pa.
Filed August 12, 1937. Serial No. 396,309. PUBLISHED SEPTEMBER 21, 1937. Class 44.

352,514. HOSIERY. G. & H. HOSIERY COMPANY, INCORPORATED, Hickory, N. C.
Filed July 27, 1937. Serial No. 395,663. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,515. POWDER PUFFS. W. T. GRANT COMPANY, New York, N. Y.
Filed August 12, 1937. Serial No. 396,313. PUBLISHED SEPTEMBER 21, 1937. Class 29.

352,516. TOY COMPRISING A BALL PROPELLED BY A SPRING PLUNGER, WHICH BALL IS CAUGHT BY A RESILIENT CUP SURROUNDING THE PLUNGER. EDWARD J. STEWART, Chicago, Ill.
Filed August 12, 1937. Serial No. 396,332. PUBLISHED SEPTEMBER 21, 1937. Class 22.

352,517. GIN. DISTILLERS EXCHANGE, INC., New York, N. Y.
Filed August 13, 1937. Serial No. 396,353. PUBLISHED SEPTEMBER 21, 1937. Class 49.

352,518. WINES. SCHROEDER BROS., INC., New York, N. Y.
Filed September 4, 1937. Serial No. 397,137. PUBLISHED OCTOBER 5, 1937. Class 47.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

352,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUPREME LABORATORIES, INC., Brooklyn, N. Y. Filed July 16, 1935. Serial No. 367,377.

Dorothy Cabot

For Toilet Preparations—Namely, Face Creams, Lotions, Wave Set Lotion, Bath Powder, Talcum Powder, Bath Salts, Lipstick, Rouge, Compacts, Face Powder, Perfumes, Toilet Water, Nail Polish.
Claims use since Mar. 18, 1934.

352,520. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Dec. 12, 1935. Serial No. 372,577.

ALL WHITE

For Hand Operated Tools—Namely, Axes, Cultivators, Cutters, Lettuce Cutters, Thistle, Dock, and Weed Cutters, D-handles for Tools, Drags, Manure Drags, Potato Drags, Phosphate Drags, Stone Drags, Edgers, Lawn Edgers, Turf Edgers, Forks, Light and Heavy Forks, Alfalfa Forks, Asphalt Forks, Baling Forks, Ballast Forks, Barley Forks, Beet Forks, Clover Forks, Coal Forks, Coal Scoop Forks, Coke Forks, Cotton Seed Forks, English Digging Forks, Ensilage Forks, Fish Forks, Floral Spading Forks, Grain Forks, Hay Forks, Header Forks, Manure Forks, Mill Forks, Phosphate Forks, Potato Digging Forks, Pulp Forks, Shaving Forks, Spading Forks, Street Forks, Stone Forks, Stone Picker Forks, Tanners' Forks, Tar Forks, Vegetable Scoop Forks, Floral Garden Tools, Ice Chisels, Hoes, Beet Hoes, Blackland Hoes, Boys' Hoes, Corn Hoes, Cotton Hoes, Cotton Chopper Hoes, Cultivator Hoes, Eye Hoes, Field Hoes, Floral Hoes, Garden Hoes, Grading Hoes, Grape Hoes, Grub Hoes, Handled Sprouting Hoes, Handled Square Eye Hoes, Ladies' Hoes, Mattock Hoes, Meadow Hoes, Mortar Hoes, Mortar Mixer Hoes, Nursery Hoes, Nurserymen's Hoes, Onion Hoes, Planter Hoes, Rhode Island Hoes, Riveted Hoes, Scuffle Hoes, Sprouting Hoes, Strawberry Hoes, Street Hoes, Sugar Beet Hoes, Thinning Hoes, Tobacco Hoes, Warren Hoes, Weeding Hoes, Whirlwind Hoes, Clam Hooks, Garbage Hooks, Manure Hooks, Nurserymen's Hooks, Phosphate Hooks, Potato Hooks, Refuse Hooks, Stone Hooks, Lawn Combs, Pokers, Rakes, Asphalt Rakes, Brume Rakes, Clam Rakes, Curved Tooth Rakes, Dandelion Rakes, Flat Bow Rakes, Floral Rakes, Garden Rakes, Gravel Rakes, Lawn Rakes, Level Head Rakes, Malleable Rakes, Pine Needle Rakes, Road Rakes, Round Bow Rakes, Single Shank Rakes, Steel Rakes, Stone Rakes, Tar Rakes, Two-man Rakes, Wire Lawn Rakes, Seedling Setters, Scoops, Scrapers, Barn Floor Scrapers, Chicken House Scrapers, Deck Scrapers, Floor Scrapers, Ship Scrapers, Shovels, Fire Shovels, Floral Shovels, Side Walk Cleaners, Sod Lifters, Spades, Concrete Spades, Hand Spades, Tool Handles and Parts Thereof, Trowels, Garden Trowels, Nurserymen's Trowels, Transplanting Trowels, Weeders, Dandelion Weeders, Hand Weeders, Onion Weeders.
Claims use since January, 1934.

352,521. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Feb. 13, 1936. Serial No. 374,807.

Spring Tempered

For Hand Operated Tools—Namely, Axes, Cultivators, Cutters—Namely, Lettuce Cutters, Thistle, Dock, and Weed Cutters, D-handles for Tools, Drags—Namely, Manure Drags, Potato Drags, Phosphate Drags, Stone Drags, Edgers—Namely, Lawn Edgers, Turf Edgers, Forks—Namely, Light and Heavy Forks, Alfalfa Forks, Asphalt Forks, Baling Forks, Ballast Forks, Barley Forks, Beet Forks, Clover Forks, Coal Forks, Coal Scoop Forks, Coke Forks, Cotton Seed Forks, English Digging Forks, Ensilage Forks, Fish Forks, Floral Spading Forks, Grain Forks, Hay Forks, Header Forks, Manure Forks, Mill Forks, Phosphate Forks, Potato Digging Forks, Pulp Forks, Shaving Forks, Spading Forks, Street Forks, Stone Forks, Stone Picker Forks, Tanners' Forks, Tar Forks, Vegetable Scoop Forks, Floral Garden Tools, Ice Chisels, Hoes—Namely, Beet Hoes, Blackland Hoes, Boys' Hoes, Corn Hoes, Cotton Hoes, Cotton Chopper Hoes, Cultivator Hoes, Eye Hoes, Field Hoes, Floral Hoes, Garden Hoes, Grading Hoes, Grape Hoes, Grub Hoes, Handled Sprouting Hoes, Handled Square Eye Hoes, Ladies' Hoes, Mattock Hoes, Meadow Hoes, Mortar Hoes, Mortar Mixer Hoes, Nursery Hoes, Nurserymen's Hoes, Onion Hoes, Planter Hoes, Rhode Island Hoes, Riveted Hoes, Scuffle Hoes, Sprouting Hoes, Strawberry Hoes, Street Hoes, Sugar Beet Hoes, Thinning Hoes, Tobacco Hoes, Warren Hoes, Weeding Hoes, Whirlwind Hoes, Clam Hooks, Garbage Hooks, Manure Hooks, Nurserymen's Hooks, Phosphate Hooks, Potato Hooks, Refuse Hooks, Stone Hooks, Lawn Combs, Pokers, Rakes—Namely, Asphalt Rakes, Brume Rakes, Clam Rakes, Curved Tooth Rakes, Dandelion Rakes, Flat Bow Rakes, Floral Rakes, Garden Rakes, Gravel Rakes, Lawn Rakes, Level Head Rakes, Malleable Rakes, Pine Needle Rakes, Road Rakes, Round Bow Rakes, Single Shank Rakes, Steel Rakes, Stone Rakes, Tar Rakes, Two-man Rakes, Wire Lawn Rakes, Seedling Setters, Scoops, Scrapers—Namely, Barn Floor Scrapers, Chicken House Scrapers, Deck Scrapers, Floor Scrapers, Ship Scrapers, Shovels—Namely, Fire Shovels, Floral Shovels, Side Walk Cleaners, Sod Lifters, Spades—Namely, Concrete Spades, Hand Spades, Tool Handles and Parts Thereof, Trowels—

Namely, Garden Trowels, Nurserymen's Trowels, Transplanting Trowels, Weeders—Namely, Dandelion Weeders, Hand Weeders, Onion Weeders.
Claims use since Nov. 20, 1935.

352,522. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL TANK COMPANY, Tulsa, Okla. Filed Mar. 30, 1936. Serial No. 376,601.

TITE-LINE

For Metal Pipe Couplings and Unions, Particularly Such Including an Elastic Pipe-Engaging Element Whereby the Coupled Members Are Flexibly Connected and Not Tightly Held.
Claims use since Aug. 1, 1932.

352,523. (CLASS 32. FURNITURE AND UPHOLSTERY.) E. C. SALES INCORPORATED, Shaker Heights, Ohio. Filed June 6, 1936. Serial No. 379,400.

SAF-TRAZ

For Office Cabinets and Letter Files.
Claims use since June 3, 1936.

352,524. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INTERNATIONAL CARRIER-CALL AND TELEVISION CORPORATION, New York, N. Y. Filed July 27, 1936. Serial No. 381,482.

CARRIER-CALL

For Communicating Apparatus, Utilizing High Frequency, Radio Frequency, or Carrier Frequency Circuits and Instrumentalities Especially All Types of Communication Utilizing Carrier or Radio Frequencies Modulated by Audio Modulation When Imposed Upon Metallic Interconnecting Transmission Media.
Claims use since Mar. 1, 1936.

352,525. (CLASS 39. CLOTHING.) PHOENIX HOSIERY COMPANY, Milwaukee, Wis. Filed Aug. 3, 1936. Serial No. 381,777.

Mist-Crepe

For Women's Hosiery.
Claims use since July 25, 1936.

352,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM H. PRENDERGAST COMPANY, New York, N. Y. Filed Sept. 26, 1936. Serial No. 383,688.

Saguenay

For Suiting Fabrics in the Piece Composed of Worsted, Rayon, and Combinations Thereof.
Claims use since Sept. 1, 1936.

352,527. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE J. E. MERGOTT COMPANY, Newark, N. J. Filed Oct. 3, 1936. Serial No. 383,933.

GRIP-TITE

For Bag Frames, Purse Frames, Pocketbook Frames.
Claims use since Sept. 30, 1936.

352,528. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R. P. MCGINNIS COMPANY, Chicago, Ill. Filed Oct. 24, 1936. Serial No. 384,735.

COLONEL WATTS

For Whiskey.
Claims use since July 25, 1936.

352,529. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill. Filed Nov. 14, 1936. Serial No. 385,530.

MITY FINE

For Soap and Soap Flakes.
Claims use since Oct. 13, 1936.

352,530. (CLASS 39. CLOTHING.) COLLEGIATE MFG. CO., INC., New York, N. Y. Filed Nov. 19, 1936. Serial No. 385,724.

Tuside

For Women's and Misses' Slips.
Claims use since Oct. 1, 1936.

352,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDINBURG CITRUS ASSOCIATION, Edinburg, Tex. Filed Dec. 7, 1936. Serial No. 386,417.

Edinburg's BEST

For Fresh Citrus Fruits.
Claims use since Oct. 1, 1936.

352,532. (CLASS 39. CLOTHING.) FRANK LEVINSOHN & BROS., INC., New York, N. Y. Filed Feb. 11, 1937. Serial No. 388,785.

FLEECE-DOWN FABRIC

For Men's and Women's Coats and Suits.
Claims use since Oct. 21, 1936.

352,533. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JESSE JAY JONES, doing business as Research Products Company, San Antonio, Tex. Filed Apr. 9, 1937. Serial No. 391,128.

PULL-E-GRIP

For Leather Dressing Compound.
Claims use since July 20, 1936.

352,534. (CLASS 39. CLOTHING.) VIGDER BROS., INC., New York, N. Y. Filed May 11, 1937. Serial No. 392,619.

NelvaSplit

For Fur Coats and Fur Collars.
Claims use since December, 1934.

352,535. (CLASS 39. CLOTHING.) JACOB H. GILBERT, South Bend, Ind. Filed June 28, 1937. Serial No. 394,599.

Edgeworth
FINE SHOES SINCE 1870

For Men's, Ladies', and Children's Boots, Shoes, Slippers, and Sandals Composed of Leather, Rubber, Fabric, and/or Combinations of Said Materials.
Claims use since June, 1934.

352,536. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE FLEXIBLE COMPANY, Loudonville, Ohio. Filed July 6, 1937. Serial No. 394,896.

Flexible

For Busses, Hearses, Ambulances, Trucks, House Cars, All Motor Driven, Passenger Automobiles, Truck Cabs, Motor Rail Passenger Cars, Convertible Road and Rail Motor Vehicles.
Claims use since Jan. 1, 1926.

352,537. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ROTO-WAY CORPORATION, Chicago, Ill. Filed July 22, 1937. Serial No. 395,539.

Roto-Grill

For Machines for Frying Hamburgers and Other Meats and Edible Foods and Parts Thereof Used in Connection with the Restaurant, Drug, Department Store Businesses and in Places of General Public Service Where Odorless Cooking is Desired.
Claims use since June 15, 1935.

352,538. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) JANIE LINCOLN INCORPORATED, Cleveland, Ohio. Filed Aug. 23, 1937. Serial No. 396,683.

MOCTOSITE

For Mud Secured from Natural Springs, Containing Medicinal Properties.
Claims use since June, 1936.

352,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOEL E. HARRELL & SON, Suffolk, Va. Filed Aug. 27, 1937. Serial No. 396,813.

"YE OLE VIRGINNY" HAM
Cured By
JOEL E. HARRELL & SON
SUFFOLK, VIRGINIA.

For Hams.
Claims use since May 12, 1936.

352,540. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. J. MACK CORP., New York, N. Y. Filed Sept. 9, 1937. Serial No. 397,254.

DUB-L WEAVE

For Neckwear Tie Linings, in the Piece, of Cotton, Mohair, Woolen, Rayon, or Other Materials, or a Combination Thereof.
Claims use since June 2, 1936.

352,541. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. J. MACK CORP., New York, N. Y. Filed Sept. 9, 1937. Serial No. 397,257.

Woolike

For Neckwear Tie Linings in the Piece Manufactured from Cotton, Rayon, Woolen, Mohair, and/or Other Kindred Materials, or a Combination of Either, or All.
Claims use since June, 1936.

352,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEEKER SUGAR REFINING COMPANY, Chicago, Ill., and Meeker, La. Filed Sept. 13, 1937. Serial No. 397,368.

KANDY KRYSTALS

For Sugar.
Claims use since 1929.

352,543. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES P. COCHRANE COMPANY, Philadelphia, Pa. Filed Oct. 4, 1937. Serial No. 398,095.

Pebbleweave

For Carpets and Rugs.
Claims use since 1932.

352,544. (CLASS 39. CLOTHING.) GEORGE HESS CO. INC., New York, N. Y. Filed Oct. 16, 1937. Serial No. 398,574.

June Yardley

For Women's Dresses.
Claims use since Sept. 16, 1936.

352,545. (CLASS 39. CLOTHING.) GEORGE HESS CO. INC., New York, N. Y. Filed Oct. 16, 1937. Serial No. 398,575.

Babs Barclay

For Women's Dresses.
Claims use since Sept. 16, 1936.

352,546. (CLASS 39. CLOTHING.) GEORGE HESS CO. INC., New York, N. Y. Filed Oct. 16, 1937. Serial No. 398,576.

Fay Finchley

For Women's Dresses.
Claims use since Sept. 16, 1936.

TRADE-MARK REGISTRATIONS RENEWED

118,648. WATERPROOF OUTER CLOTHING—VIZ., RAIN-COATS. Registered September 25, 1917. BENJAMIN FLIGEL, New York, N. Y. Renewed September 25, 1937.

119,373. MATERIALS FOR GENERATION OF OXYGEN AND PEROXID OF HYDROGEN FOR INDUSTRIAL AND THERAPEUTICAL USES. Registered November 27, 1917. THE ROESSLER & HASSLACHER CHEMICAL CO., New York, N. Y. Renewed November 27, 1937, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware, assignee by mesne assignments.

119,956. ELECTRICALLY-SELF-PROPELLED AUTOMOBILES, BODIES, RUNNING-GEARS, CHASSIS. Registered December 25, 1917. FORD MOTOR COMPANY, Highland Park, Mich. Renewed December 25, 1937, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware, successor.

120,054. RUBBER ERASERS. Registered January 8, 1918. AMERICAN LEAD PENCIL CO., New York, N. Y. Renewed January 8, 1938, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York.

120,064. CERTAIN NAMED TOILET PREPARATIONS. Registered January 8, 1918. A. BOURJOIS & CO., INC. Renewed January 8, 1938, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

120,245. TOILET SOAP. Registered January 29, 1918. A. BOURJOIS & CO., INC. Renewed January 29, 1938, to Bourjois Inc., New York, N. Y., a corporation of New York, assignee.

120,330. CERTAIN NAMED TOILET PREPARATIONS. Registered February 5, 1918. A. BOURJOIS & CO., INC. Renewed February 5, 1938, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

120,758. ENGINE, PUMP, AND COMPRESSOR OIL-RINGS MADE OF METAL. Registered March 5, 1918. MCQUAY-NORRIS MFG. CO., St. Louis, Mo., a corporation of Missouri. Renewed March 5, 1938.

121,042. INSECTICIDES, FUNGICIDES, AND DISINFECTANTS. Registered April 2, 1918. CALIFORNIA SPRAY CHEMICAL COMPANY, Watsonville, Calif. Renewed April 2, 1938, to California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif., a corporation of Delaware, assignee.

121,242. CERTAIN NAMED PAPER AND STATIONERY. Registered April 23, 1918. J. C. BLAIR COMPANY, Huntingdon, Pa. Renewed April 23, 1938, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware, assignee.

121,252. SODIUM AND ALUMINUM SALTS FOR USE IN CLARIFYING WATER, MANUFACTURE OF PAPER, AND OTHER PURPOSES. Registered April 23, 1918. BOOTH CHEMICAL COMPANY, Townley, N. J. Renewed April 23, 1938, to Booth Chemical Company, Elizabeth, N. J., a corporation of New Jersey.

121,284. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered April 23, 1918, to FRANKEL CONNECTOR CO. INC., New York, N. Y., a corporation of New York. Renewed April 23, 1938.

121,397. FACE-POWDER, TOILET WATERS, ROUGE, LIP-STICKS, PERFUMES, EYEBROW-PENCILS, AND POMADES. Registered April 30, 1918. A. BOURJOIS & CO., INC. Renewed April 30, 1938, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee.

121,483. BUFFING AND POLISHING COMPOSITIONS. Registered April 30, 1918. THE NULITE POLISH COMPANY, INC., Brooklyn, N. Y., a corporation of New Jersey. Renewed April 30, 1938.

121,508. INNER TUBES FOR AUTOMOBILE-TIRES. Registered April 30, 1918. ROLAND V. SMITH. Renewed April 30, 1938, to R. V. Smith Supply Company, Oklahoma City, Okla., a corporation of Oklahoma, assignee.

121,511. SALTS, BASES, OR COMPOUNDS OF AMINOXYARSENOBENZENE OR OTHER DERIVATIONS OF OXYARLARSINIC ACIDS. Registered April 30, 1918. TAKAMINE LABORATORY, INC., New York, N. Y. Renewed April 30, 1938, to Sankyo Company, Ltd., Tokyo, Japan, a corporation of Japan, assignee.

121,512. SALTS, BASES, OR COMPOUNDS OF AMINOOXYARSENOBENZENE OR OTHER DERIVATIONS OF OXYARLARSINIC ACIDS. Registered April 30, 1918. TAKAMINE LABORATORY, INC., New York, N. Y. Renewed April 30, 1938, to Sankyo Company, Ltd., Tokyo, Japan, a corporation of Japan, assignee.

LABELS

REGISTERED NOVEMBER 30, 1937

50,399.—*Title:* NATURAL MINERAL EXTRACTS. For a Natural Mineral Tonic and Astringent. COLONIAL DRUG COMPANY, Tulsa, Okla. Published July 1, 1937.

50,400.—*Title:* PRE-VUE. For Canned Creaming Onions. CONTINENTAL FOODS CORP., Los Angeles, Calif. Published August 9, 1937.

50,401.—*Title:* "HENTAILS" WITH COCKTAILS. For Biscuits. DONNA BEACH FERGUSON, New York, N. Y. Published December 17, 1936.

50,402.—*Title:* RAG DARLING. For Wheat Flour. EAGLE MILLING COMPANY, Edmond, Okla. Published October 20, 1937.

50,403.—*Title:* ALL BUTTER. For Bread. CHARTON C. FRANTZ, doing business as The Frantz Co., Pittsburgh, Pa. Published September 10, 1937.

50,404.—*Title:* THE SUZY Q FROCK. For Frocks for Women. S. L. HOFFMAN & CO., INC., New York, N. Y. Published November 3, 1937.

50,405.—*Title:* HOPPE'S GUN CLEANING PATCHES. For Gun Cleaning Patches. FRANK A. HOPPE, INC., Philadelphia, Pa. Published September 30, 1937.

50,406.—*Title:* SKILBRU. For Beer. KAMM & SCHELLINGER COMPANY, INC., Mishawaka, Ind. Published September 28, 1937.

50,407.—*Title:* KEPHART'S VITAMINIZED OIL TREATMENT. For a Scientific Product for the Hair and Scalp. KEPHART LABORATORIES, Bozeman, Mont. Published September 4, 1937.

50,408.—*Title:* KROGER FRES-SHORE OYSTERS. For Oysters. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published January 1, 1936.

50,409.—*Title:* LAYER-PAK. For Canned Vegetables for Salads and Garnish. THE LARSEN COMPANY, Green Bay, Wis. Published October 7, 1937.

50,410.—*Title:* EASTSIDE SPARKLING ALE. For Ale. LOS ANGELES BREWING CO., Los Angeles, Calif. Published October 11, 1937.

50,411.—*Title:* IRISH SWEEPSTAKES. For a Game. MEYER D. MADWAY, Philadelphia, Pa. Published August 11, 1937.

50,412.—*Title:* PALMA. For a Mixture of Cottonseed, Corn, Peanut and Imported Olive Oil. MOOSALINA PRODUCTS CORP., Brooklyn, N. Y. Published September 1, 1937.

50,413.—*Title:* DEVIL'S FOOD PIE. For Pies. MOUNTAIN CITY MILL COMPANY, doing business as Chattanooga Bakery, Chattanooga, Tenn. Published September 17, 1937.

50,414.—*Title:* BREETHEX. For Liquid Breath Purifier. WILLARD H. NELSON, doing business as Willard Products Company, Moline, Ill. Published July 15, 1937.

50,415.—*Title:* FRESH JERSEY EGGS. For Eggs. NEW JERSEY FEDERATED EGG PRODUCERS COOPERATIVE ASSOCIATION, INC., Ocean Gate, N. J. Published July 2, 1937.

50,416.—*Title:* MAR-VELO PRODUCTS CO. (M. P. CO.) For a Cleaning Compound and Water Softener. MELVIN RALPH PAYNE, Fort Wayne, Ind. Published December 28, 1935.

50,417.—*Title:* MEL-BRO. For Long Island Duckling. PFAELZER BROTHERS, Chicago, Ill. Published October 12, 1937.

50,418.—*Title:* PRUICIDE. For a Leather Preserver. PRUDEN CHEMICAL COMPANY, Orlando, Fla. Published October 30, 1937.

50,419.—*Title:* TEXSUN. For Canned Grapefruit Juice. RIO GRANDE VALLEY CITRUS EXCHANGE, Weslaco, Tex. Published October 12, 1937.

50,420.—*Title:* BY REQUEST. For Chocolates. F. H. ROBERTS COMPANY, Cambridge, Mass. Published January 16, 1937.

50,421.—*Title:* VIGILANTE. For Whiskey. ROCKY MOUNTAIN BRANDS, INCORPORATED, Red Lodge, Mont. Published November 15, 1935.

50,422.—*Title:* MOUNTAIN ELK. For Bourbon Whiskey. ROCKY MOUNTAIN BRANDS, INCORPORATED, Red Lodge, Mont. Published October 15, 1937.

50,423.—*Title:* SILVER ANCHOR. For Bourbon Whiskey. ROCKY MOUNTAIN BRANDS, INCORPORATED, Red Lodge, Mont. Published October 15, 1937.

50,424.—*Title:* KUMMEL ADE. For a Soft Drink. P. B. ROMELFANGER, Minneapolis, Minn. Published August 15, 1934.

30,425.—*Title:* SALERNO SALTINE CRACKERS. For Salted Crackers. SALERNO-MEGOWEN BISCUIT COMPANY, Chicago, Ill. Published September 20, 1937.

30,426.—*Title:* SHEPARD'S FLY GUARD AND VETERINARY LINIMENT. For a Fly Guard and Veterinary Liniment. MARY LOUISA SHEPARD, Wilmington, N. C. Published October 20, 1937.

30,427.—*Title:* KING SOL—WISDOM BLENDED IN CIGARETTES. For Cigarettes. LEYCIADES L. SMITH, Vinita Park, Mo. Published August 5, 1937.

30,428.—*Title:* WILSON'S ISO-RUB. For Preparation for Bathing and Massaging Purposes. ANNA WILSON, doing business as Wilson Drug Company, Chicago, Ill. Published January 10, 1936.

PRINTS

REGISTERED NOVEMBER 30, 1937

16,588.—*Title:* WHITE BEAR BREAD. For Bread. HENRY BAEHR BAKERY, Wisner, Nebr. Published September 15, 1937.

16,589.—*Title:* GANGWAY! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published October 25, 1937.

16,590.—*Title:* FORST'S FORMOST MEAT PRODUCTS LEAD THE PARADE. For Meat Products. JACOB FORST PACKING CO. INC., Kingston, N. Y. Published July 19, 1937.

16,591.—*Title:* PEP UP YOUR 'BELOW PAR' MENUS THIS CLEVER NEW WAY! For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 10, 1937.

16,592.—*Title:* PRESENTING YOUNG AMERICA'S NEW BREAKFAST CEREAL. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 15, 1937.

16,593.—*Title:* READ WHAT HAPPENED WHEN AMERICA'S GREATEST MILLER SET OUT TO PRODUCE A PERFECT BREAKFAST CEREAL. For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published October 29, 1937.

16,594.—*Title:* IF YOUR CLOTHES ARE NOT BECOMING TO YOU, THEN YOU SHOULD BE COMING TO US. For Clothes. W. G. HUNT AND L. O. BROOKS, Denver, Colo. Published July 23, 1937.

16,595.—*Title:* WISEMEN. For Cigarettes. ROBERT B. MATO, Houston, Tex. Published October 29, 1937.

16,596.—*Title:* WEAREVER DELUXE. For Fountain Pens and Pencils. DAVID KAHN, INC., North Bergen, N. J. Published October 7, 1937.

16,597.—*Title:* THE FLOWERS FOR OCTOBER CALENDULA AND COSMOS. For Handkerchiefs. J. H. KIMBALL, INC., New York, N. Y. Published September 4, 1937.

16,598.—*Title:* SOOTO. For Imitation Coal Soot for Playing a Joke. JEROME J. MILLER, doing business as Miller Mfg. Co., Ottoville, Ohio. Published August 10, 1937.

16,599.—*Title:* PITTSBURGH PAINTS, SMOOTH AS GLASS. For Paint. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Published April 12, 1937.

16,600.—*Title:* KIN-KUR-THUM. For a Salve for Healing Peeps. CARL EDWARD SCHMITT, doing business as Mountain City Poultry Company, Altoona, Pa. Published May 3, 1937.

16,601.—*Title:* ENJOY ALTES LAGER. For Beer. TIVOLI BREWING COMPANY, Detroit, Mich. Published August 25, 1937.

REISSUES

NOVEMBER 30, 1937

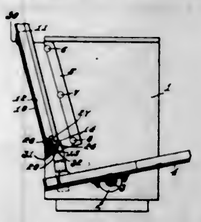
20,559

CHAIR BACK

Charles C. Adelsperger, deceased, late of Union City, Ind., by Union City Body Company, assignee, Union City, Ind.

Original No. 1,994,162, dated March 12, 1935, Serial No. 718,594, April 2, 1934, which is a division of Serial No. 598,231, March 11, 1932. Application for reissue November 20, 1936, Serial No. 111,861

6 Claims. (Cl. 155—184)



5. A chair structure comprising an upholstery carrying member generally rectangular in form and formed with an outwardly opening groove extending around at least three sides thereof, a resilient member positioned in said groove, means engaging the free ends of said resilient member for drawing said resilient member snugly into said groove and placing the same under tension therein, and a sheet of flexible covering material substantially co-extensive in size with said carrying member and having a portion fitting within said groove and embraced by said resilient member.

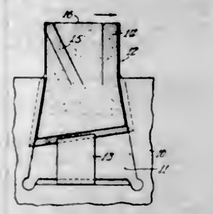
20,560

ABRASIVE SAW TOOTH

Fred Bley, Chicago, Ill., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Original No. 1,985,972, dated January 1, 1935, Serial No. 714,041, March 5, 1934. Application for reissue March 5, 1936, Serial No. 67,414

11 Claims. (Cl. 125—22)



1. An abrasive saw tooth comprising a flat relatively long body having one end providing a base portion adapted for mounting on a rotatable support with its other end projecting from the support and its outer extremity providing a grinding surface, all of said projecting portion except a narrow front edge section being of uniform thickness and bounded on opposite sides by parallel plane surfaces, said narrow front section being thicker than the main body thereof.

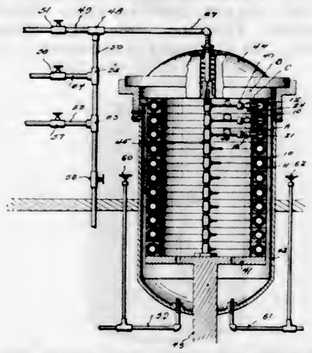
20,561

METHOD FOR CURING RUBBER ARTICLES

Floyd L. Bucy and Vela A. La Rock, Eau Claire, Wis.

Original No. 2,035,861, dated March 31, 1936, Serial No. 746,392, October 1, 1934. Application for reissue June 1, 1937, Serial No. 146,701

6 Claims. (Cl. 18—53)



4. The method of mold-vulcanizing a cord-reinforced pneumatic tire with an expansible core which comprises driving air from the core by conducting a non-deteriorating distending fluid other than air under pressure into the core while venting fluid from the core, stopping the venting of fluid upon the attaining of a predetermined difference of pressures between that of the distending fluid within the core and that of fluid flowing from the core, and retaining the distending fluid within the core to hold it and the tire distended, the said predetermined difference of pressures being effected after a sufficient flow of the said distending fluid through the core to wash substantially all of the air therefrom.

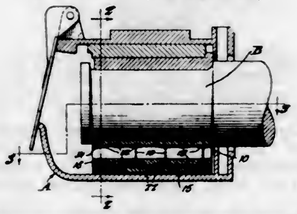
20,562

JOURNAL LUBRICATOR

Homer B. Cunningham, Connellsville, and James William Tucker, Pittsburgh, Pa.

Original No. 1,943,298, dated January 16, 1934, Serial No. 642,796, November 15, 1932. Application for reissue December 27, 1935, Serial No. 56,376

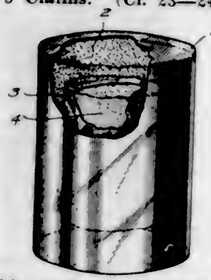
8 Claims. (Cl. 308—87)



8. A lubricator of the character described comprising a peripherally closed hollow flexible lubricant applicator of material suitable for conveying lubricant to and wiping it onto a moving surface in contact with the applicator and which

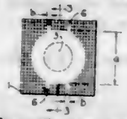
surface tends upon movement to cause the applicator to rotate, and flexible tension means connected with the applicator at opposed portions thereof and extending across the space therewithin and maintaining such opposed portions against separation to such an extent of separation as would permit the applicator to rotate due to movement of said surface.

20,563
METHOD OF PACKING ACID SULPHATES AND THE LIKE COMPOUNDS
Leo Löwenstein, Berlin-Wilmersdorf, Germany
Original No. 2,020,072, dated November 5, 1935, Serial No. 733,129, June 29, 1934. Application for reissue February 18, 1937, Serial No. 126,319½. In Germany September 1, 1930
5 Claims. (Cl. 23—240)



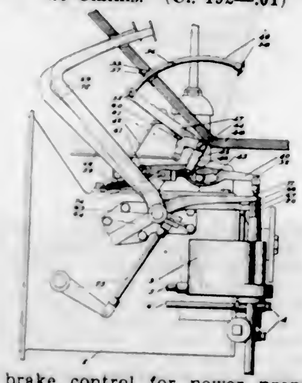
3. A durable package of sulphates having an acid reaction and being capable of destroying the ordinary cellulosic packing material comprising an outer container having an alkali metal carbonic acid salt capable of reacting with said sulphate, an inner container of organic sheet packing material of such character as to be destroyed by sulphuric acid evolved by the reaction of said acid sulphate with water, sub-divided acid sulphate in said inner container and completely surrounded thereby, said inner container being completely surrounded by said carbonic acid salt.

20,564
PRODUCT PACKAGING
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Original No. 2,012,405, dated August 27, 1935, Serial No. 737,721, July 31, 1934. Application for reissue May 20, 1936, Serial No. 80,786
13 Claims. (Cl. 206—46)



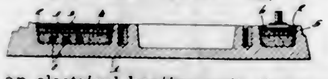
13. A spot window display package for a pellet or like commodity unit comprising, a flat envelope composed of two layers of transparent heat sealable coated cellophane or the like, joined together by fused thermo-plastic material and interlocking minute deformations throughout their opposed surfaces except for a central spot, said spot remaining transparent, said deformations and thermo-plastic material holding together said layers and forming a stiffened substantially flat flange, relatively translucent to light and securing the pellet in place between the layers at said central spot and providing for the reflection of light to produce a stippled sheen effect surrounding said central spot, said pellet being clearly visible at the central transparent spot.

20,565
COMBINED CLUTCH AND BRAKE CONTROL
Edwin G. Staude, Minneapolis, Minn.
Original No. 1,447,008, dated March 6, 1923, Serial No. 81,468, March 1, 1916. Renewed February 27, 1919, Serial No. 279,600. Application for reissue November 23, 1934, Serial No. 754,523
26 Claims. (Cl. 192—.01)



1. A brake control for power propelled vehicles comprising a pedal, an accelerator rod actuated thereby, a fluid circulating system, a brake operating means therein, a valve controlling the flow of fluid through said system, the initial movement of said pedal operating said valve to cut off the flow of fluid through said system, the release of said pedal allowing the movement of said valve to open the passage through said system and actuate said brake-operating means.

20,566
ELECTRICAL HEATING UNIT
Edwin L. Wiegand, Pittsburgh, Pa.
Original No. 1,994,676, dated March 19, 1935, Serial No. 698,323, November 16, 1933. Application for reissue July 29, 1935, Serial No. 33,743
11 Claims. (Cl. 219—25)

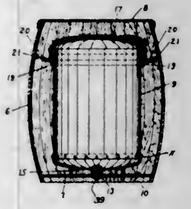


4. In an electrical heating unit, the combination of a heated member having a recess therein, an electrical resistance heating element disposed within said recess, a thin layer of cement disposed between the heating face of the element and walls of the recess and forming a mechanical and thermal bond therebetween, and a metal sheath enclosing said heating element except for the heating face thereof.

PATENTS

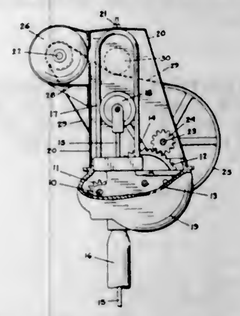
GRANTED NOVEMBER 30, 1937

2,100,309
RETURNABLE SHIPPING CONTAINER
Robert C. Bender, Davenport, Iowa
Original application September 29, 1934, Serial No. 746,069. Divided and this application May 14, 1936, Serial No. 79,657
3 Claims. (Cl. 217—72)



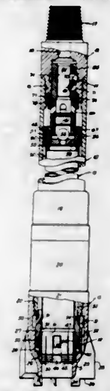
1. A shipping package, comprising an outer container, an inner cylindrical container, including a dish-shaped bottom provided with openings for drainage, a cover of inverted dish-shape for said container, similar to said bottom and adapted for interchangeable use therewith, means for holding said bottom and the bottom of the outer container in spaced relation, means for detachable connection of the bottom of the inner container with the bottom of the outer container, and connections between the upper end of the inner container capable of adjustment to conform with the spacing between said containers.

2,100,310
POWER TAKE-OFF
John R. Betts, Kearney, Nebr.
Application May 17, 1937, Serial No. 142,969
4 Claims. (Cl. 290—55)



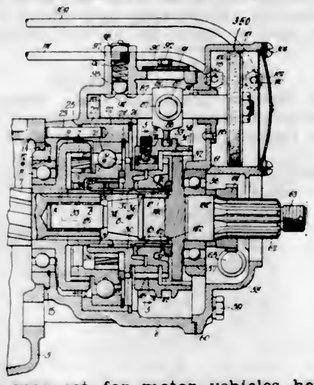
4. An attachment for windmills of the kind having gearing driven by a wind wheel and a helmet for covering the windmill gearing, said attachment including a shaft having a gear adapted to mesh with a gear of the windmill gearing, a generator adapted to be secured to the windmill helmet on the outer side thereof, said generator including a shaft in parallel relation with the first said shaft of said attachment, and a connection between said two shafts whereby the first said shaft will drive said generator.

2,100,311
CORE DRILL
Alfred C. Catland, Alhambra, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application April 1, 1935, Serial No. 14,120
16 Claims. (Cl. 255—72)



1. In a core drill having a barrel and a core forming cutting head, the combination of a shiftable spring urged core recovering element, a sleeve positioned in the element to hold the element inoperative and adapted to readily pass the core, and spring means for moving the element out of engagement with the sleeve after the passage of the core through the element.

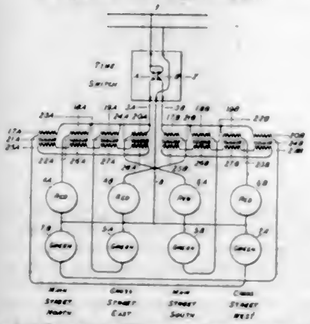
2,100,312
TRANSMISSION
Thomas L. Fawick, Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 13, 1935, Serial No. 10,769
14 Claims. (Cl. 74—332)



1. A gear set for motor vehicles having, in combination, an internal gear, a composite gear having external teeth meshing with the internal teeth of said internal gear, a first driven member

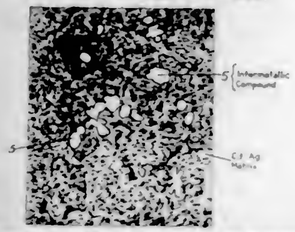
having external teeth meshing with the internal teeth of said composite gear, a first shaft fixed to said internal gear and having an extension extending through said internal gear, said composite gear and said first driven member, a bearing supporting the composite gear and located externally of the composite gear and in radial alignment with the internal teeth of said composite gear, bearing means carried by the extension of said first shaft and supporting said first driven member, said last bearing means being located internally of said first driven member and in radial alignment with the external teeth of the first driven member, a second driven member fixed on the extending end of the extension of said first shaft, a second shaft, and means for connecting said first and second driven members selectively to said second shaft.

2,100,313
TRAFFIC CONTROL SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application December 21, 1933, Serial No. 703,342
In Great Britain December 23, 1932
7 Claims. (Cl. 177—337)



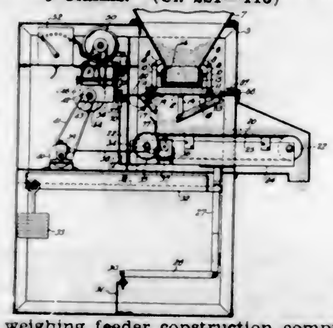
1. In a traffic signalling system for a highway intersection, electric stop and go signals, a circuit for said stop signal, a second circuit for said go signal, means for intermittently and simultaneously energizing said circuits to an extent sufficient to render the said signals operative, and an impedance device connected in said circuits, said device having minimum impedance when both said circuits are energized, but presenting a substantially greater impedance to one of said circuits when the other circuit is deenergized, whereby, when said stop signal fails to function, said go signal is rendered inoperative.

2,100,314
LINER FOR BEARINGS
Oscar E. Harder, Columbus, Ohio, assignor, by mesne assignments, to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application November 5, 1934, Serial No. 751,546
10 Claims. (Cl. 308—242)



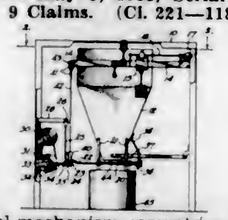
1. A bearing material comprising essentially a matrix consisting of cadmium with silver in solid solution therein, in combination with small hard particles of an intermetallic compound including one of said elements dispersed throughout said matrix, the silver being present in an appreciable amount not exceeding 15 per cent by weight of the balance of the metal in the alloy.

2,100,315
WEIGHING FEEDER
Elmer E. Harper, Kansas City, Mo.
Application May 27, 1935, Serial No. 23,720
6 Claims. (Cl. 221—118)



1. A weighing feeder construction comprising, in combination with a material-supply container, material-feeding mechanism for feeding material from said container, a scales mechanism, a conveyor supported on said scales mechanism and operating to deliver the material as fed thereto by said feeding mechanism, an actuating means and a control member actuated by fluctuations in said scales mechanism for effecting such regulation of the operation of said feeding mechanism as will maintain the scales in balanced condition, said control member being mounted for intermittent engagement with said actuating means and feeding mechanism while free to move between successive driving impulses for allowing said control member entirely idle and independent adjusting movement in response to fluctuations of said scales mechanism.

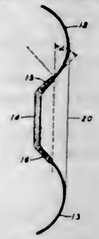
2,100,316
WEIGHT CONTRCLLED FEEDING MEANS
Elmer E. Harper, Kansas City, Mo.
Application May 9, 1935, Serial No. 20,599
9 Claims. (Cl. 221—118)



1. Control mechanism comprising, in combination with material-feeding mechanism, scales apparatus including a scale beam in cooperative relation to said feeding mechanism for responding directly to variations in the feeding operation, a movable driven member forming a part of said feeding mechanism and provided with an abutment element, an actuating means provided with a reciprocating abutment element in spaced relation to said first element, and a control element responsive to fluctuations of said beam and

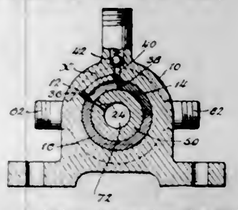
located between said first elements for constituting a variable drive abutment between said actuating means and said movable member.

2,100,317
BOW
Clarence N. Hickman, Jackson Heights, N. Y.
Application June 22, 1935, Serial No. 27,890
12 Claims. (Cl. 124—23)



1. A bow having a handle portion, reflexed limbs forming an abrupt forward angle with the handle portion and a string connecting the tips of the limbs and resting on the belly of the active bending portions of the limbs.

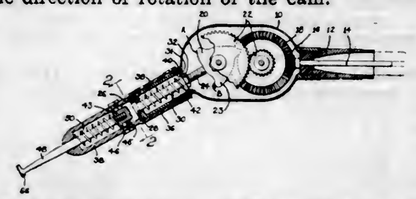
2,100,318
FUEL INJECTOR PUMP
John W. Berhman, Lincoln Park, and Raymon L. Robiolio, Paterson, N. J., assignors, by direct and mesne assignments, of forty percent to Federal Industrial Corporation, Paterson, N. J., a corporation of New Jersey, and sixty percent to Charles W. Brooks, Montclair, N. J.
Application October 31, 1935, Serial No. 47,534
7 Claims. (Cl. 103—145)



1. In a pump of the character described, a casing provided with an annular pump chamber concentric about its axis, complementary pumping parts disposed in said chamber and each being in the form of a segment of a ring concentric about said axis, one of said parts having a sliding fit in said chamber for rocking movement about said axis relatively with respect to the other part, said pump being provided with an inlet passage for the admission of liquid into said chamber between adjacent ends of said parts, said pump being provided with an outlet passage for the expulsion of the liquid from between said ends, means for controlling the volume of liquid expelled through said outlet passage for each stroke of said rocking part, and means for imparting rocking movement to said one of said parts.

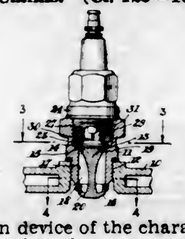
2,100,319
DENTAL OR SURGICAL INSTRUMENT
Harold J. Brown and George E. Farrell, Dorchester, Mass.
Application June 7, 1932, Serial No. 615,893
4 Claims. (Cl. 32—61)

2. A dental or surgical instrument of the class described comprising a casing, a cam in the casing, a cam follower reciprocated by the cam, a tool holder reciprocated by the cam follower, the cam having a projection with a gradual rise in one direction and a steep rise in the other direction to permit change of the character of the reciprocation of the tool holder depending on the direction of rotation of the cam.



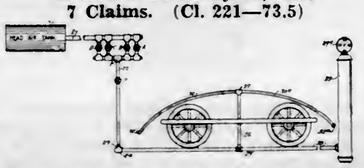
3. In a dental instrument, the combination with a casing to be held in the operator's hand and a tool holder reciprocable with respect to the casing, of an elevator tool carried by the holder to reciprocate on its longitudinal axis, the elevator tool having a shank and a thin walled operating portion of sufficiently small dimensions to enter the crevice between a root and the alveolar socket, whereby the tool may be worked into the crevice to loosen the root without the application of lateral forces on the tool.

2,100,320
SPARK PLUG
George M. Browning, Rutherford, N. J.
Application November 16, 1934, Serial No. 753,328
Renewed February 25, 1937
12 Claims. (Cl. 123—169)



1. An ignition device of the character described comprising a casing the upper end of which is provided with means for holding a spark-plug, formed with a chamber in said casing having upper and lower transverse walls, the upper end wall of which is provided with a passage for gas and the lower end wall thereof having a passage for gas of relatively large area.

2,100,321
TIRE INFLATION DEVICE
James H. Cox, Los Angeles, Calif.
Application July 17, 1933, Serial No. 680,820
Renewed February 23, 1937
7 Claims. (Cl. 221—73.5)



1. In a tire inflating and deflating mechanism, the combination of a source of pressure fluid, a reservoir, a pipe line connecting said source and reservoir, a plurality of sets of fluid-conducting pipes adapted to be detachably connected with the

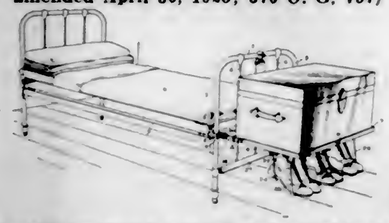
tires, and branch pipes connecting the said pipe line with the respective sets of fluid-conducting pipes, for the purpose specified.

2,100,322

FOLDING TRUNK LOCKER AND SHOE RACK

Raymond Dailey, United States Army

Application June 19, 1935, Serial No. 27,397
1 Claim. (Cl. 211—86)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



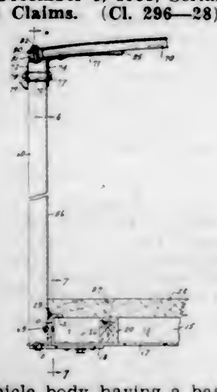
A combined trunk support and adjustable shoe rack adapted to be mounted on a bed having uprights and a cross member connecting said uprights, said combined structure consisting of a trunk locker frame pivotally mounted on said uprights, supporting arms pivotally mounted on opposite sides of said frame at their upper ends adapted to be removably mounted at their lower ends on said cross member to support the locker frame in its horizontal position and a shoe rack consisting of parallel shoe supporting loops pivotally suspended beneath said frame and supported thereby and adapted to be swung out into shoe displaying position or back into shoe concealing position and means of securing said loops in either of said positions.

2,100,323

AUTOMOTIVE TRUCK BODY

Benjamin F. Fitch, Greenwich, Conn., assignor to Motor Terminals Company, New York, N. Y., a corporation of Delaware

Application December 6, 1933, Serial No. 701,170
2 Claims. (Cl. 296—28)



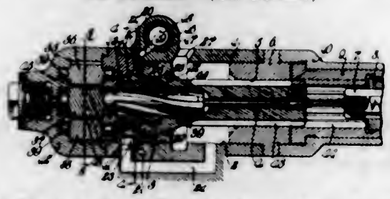
1. In a vehicle body having a base and sheet metal side wall panels extending upwardly therefrom and having upright external braces connecting adjacent panels, a roof carried by said side walls comprising a sheet of corrugated metal with the lengths of the valleys and ridges extending transversely of the body, a cornice structure comprising an outwardly sloping plate secured to the underside of said roof and extending inwardly over the interior of the body from the plane of the panels and providing horizontally facing ventilation openings between the plate and the corrugations of said roofing, and downwardly extending flanges carried by said plate depending in embracing relation to the upper ends of the braces and the upper margins of the panels respectively, said outwardly sloping plate extending inwardly, as aforesaid, a distance which, is several times as great as the depth of the valleys in the corrugated sheet.

2,100,324

ROCK DRILL ROTATION MEANS

Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application April 26, 1934, Serial No. 722,571
14 Claims. (Cl. 121—7)



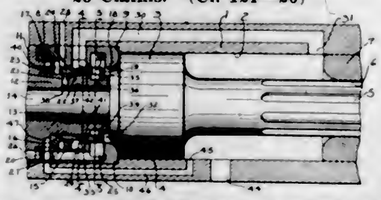
1. In a rock drill, a pressure fluid actuated hammer motor comprising a cylinder and a piston reciprocable therein, said piston adapted to deliver impact blows to the shank of a drill steel, and drill steel rotation means comprising a rifle bar interlocked with the piston, a rotary lock for controlling rifle bar rotation and including a rotary locking element fixed to said rifle bar, means for supplying pressure fluid to said rotary lock to lock said rotary locking element against rotation during the piston stroke in one direction and for connecting said lock to exhaust to release said rifle bar for free rotation during the other piston stroke, said rifle bar when held against rotation effecting rotation of the piston during one piston stroke, and means for transmitting the rotary motion of the piston to the drill steel.

2,100,325

PRESSURE FLUID MOTOR

Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application November 1, 1934, Serial No. 751,012
25 Claims. (Cl. 121—26)



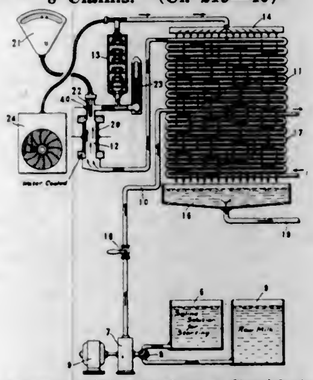
1. In a pressure fluid motor, a cylinder having a bore, a piston reciprocable therein, and fluid distribution means for effecting reciprocation of said piston including a valve chest having a valve chamber, a fluid actuated fluid distributing valve movably mounted in said valve chamber, and passage means controlled by the valve for supplying pressure fluid to the opposite ends of the cylinder bore and including passage means in said valve for providing a double fluid flow past the external and internal surfaces of the valve to the opposite ends of the cylinder bore.

2,100,326

PASTEURIZATION OF MILK

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application March 21, 1936, Serial No. 70,170
8 Claims. (Cl. 219—40)



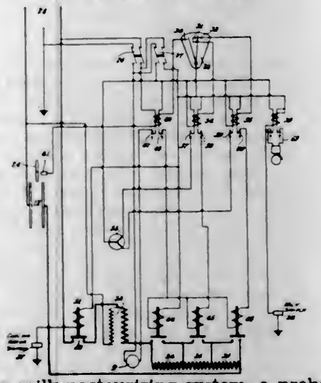
1. In a pasteurizing system, a liquid circulating system including a heating chamber having electrodes and a liquid heated preheater, a motor driven pump for forcing a liquid through said circulating system, manually controlled means for synchronizing the rate of flow of the liquid with the demand of a bottling machine, means for applying an alternating current to the electrodes for heating the liquid forced through the heating chamber, means for increasing and decreasing the value of the current passing through the heating chamber including a number of resistances, one of which is normally in the heating circuit, and the others out of the heating circuit, means controlled by the temperature of the heated liquid for cutting any or all of the resistances in or out of the heating circuit.

2,100,327

PASTEURIZING SYSTEM

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application May 16, 1936, Serial No. 80,034
12 Claims. (219—20)



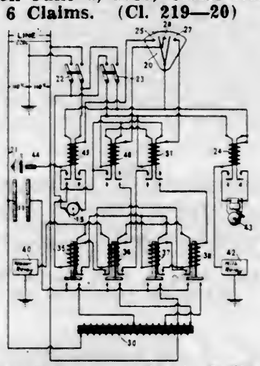
1. In a milk pasteurizing system, a preheating heat regenerative device, a heating chamber and means for delivering the heated liquid to the preheater, a motor driven pump for forcing liquid through the preheater and the heating chamber, means for controlling the rate of flow and thermostatically controlled means for applying an alternating current to the heating chamber, said means including an induction regulator and a number of relays together with a contacting device controlling the circuits through the relays to stop the pump and decrease the voltage when the temperature of the heated liquid falls below a predetermined minimum and start the pump when the liquid in the heating chamber falls below a predetermined level and again stop the pump when the liquid in the heating chamber rises to a predetermined level and repeat such cycle until the temperature of the heated liquid reaches a predetermined value.

2,100,328

ELECTRICAL PASTEURIZING PROCESS

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application June 1, 1936, Serial No. 82,700
6 Claims. (Cl. 219—20)



1. A pasteurizing apparatus including an electric heater having a conduit with a heating chamber having spaced electrodes, means for applying alternating current to said electrodes, means for passing a liquid through said heater, means for inductively changing the voltage supply to said electrodes, and means responsive to the temperature of the liquid which has passed through the heater for controlling said voltage changing means, said last mentioned means including a selective contactor for increasing the voltage on the electrodes when the temperature of the liquid falls a small amount below a predetermined value and another selective contactor for decreasing the voltage on the electrodes when the temperature of the liquid rises a small amount above said predetermined value, said voltage changing means including an auto-transformer having taps for voltages a small amount above and below that of line voltage and also a tap for applying a voltage substantially below line voltage to said electrodes.

2,100,329

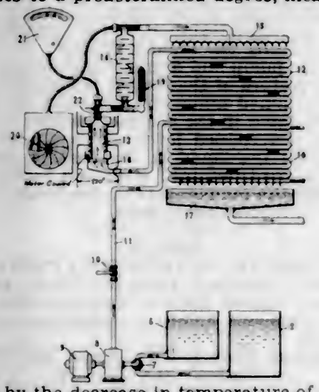
PASTEURIZING SYSTEM, ETC.

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application June 6, 1936, Serial No. 83,839
11 Claims. (Cl. 219—40)

1. In a pasteurizing system, a heating chamber having three pairs of electrodes, two of which are

normally in circuit, means for forcing liquid through said chamber, means controlled by the increase in temperature of the liquid as it leaves the chamber for automatically cutting out one pair when the temperature of the treated liquid increases to a predetermined degree, means con-

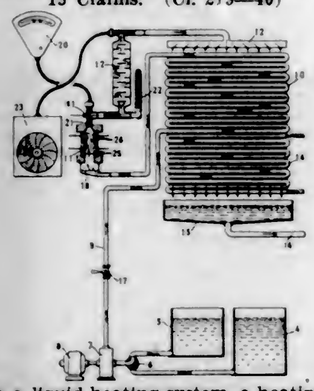


trolled by the decrease in temperature of the liquid as it leaves the chamber for automatically applying current to the third pair of electrodes when the temperature decreases a predetermined amount, and means for automatically controlling the rate of flow of liquid through the heating chamber.

2,100,330
PASTEURIZING APPARATUS

Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

Application June 6, 1936, Serial No. 83,840
15 Claims. (Cl. 219—40)



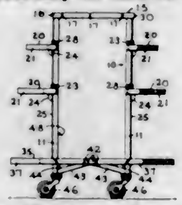
1. In a liquid heating system, a heating chamber having at least two pairs of electrodes, means for applying alternating current to the pairs of electrodes, thermostatically controlled means for varying the voltage applied to one pair of electrodes while maintaining the voltage applied to another pair and means for forcing liquid through the heating chamber.

2,100,331
RACK

Julius B. Graham, Shubuta, Miss.

Application November 21, 1936, Serial No. 112,165
7 Claims. (Cl. 211—137)

1. In a rack of the class described, a pair of spaced-apart frame members, each comprising a pair of leg portions and a bridge portion joining the upper ends of said leg portions; a top plate extending over each of said bridge portions and having a downturned rim extending over a section of said leg portions and bridge portions; means for securing said top plate to said frame members; a plurality of shelves extending out-

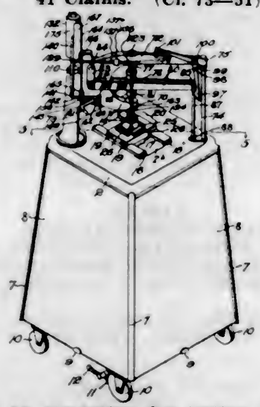


wardly beyond the vertical plane of said top plate; means for securing said shelves to said leg portions; a pair of horizontally-disposed cross members, one of each extending from one leg to the other leg of each of said pair of frame members and secured thereto; and a bottom plate spaced below said shelves and disposed upon said cross members.

2,100,332
WEAR TESTING, MEASURING, AND RECORDING APPARATUS AND METHOD

Edgar F. Hathaway, Wellesley, and Walter Bixby, Dorchester, Mass.

Application December 13, 1934, Serial No. 757,358
41 Claims. (Cl. 73—51)



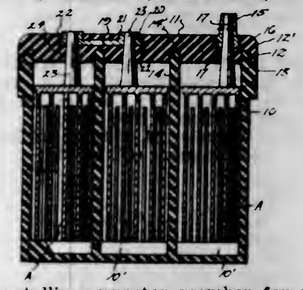
16. In an apparatus for testing the wearing qualities of floor coverings, fabrics and the like, a plate-like holder for a test specimen to be examined, a supporting spider for said holder having means for guiding the holder for movement relative to the spider and in the plane of the test specimen, guide means whereon the spider is bodily movable in a parallel plane but angularly with respect to the first mentioned movement, controlling cam means and drive connections for the holder, and associated cam means and drive connections for the spider, said two cam means being shaped, constructed and arranged with respect to each other to move the holder and test specimen with a predetermined compound movement alternately in one and the reverse directions along a recurring closed path.

32. A method of testing the wearing qualities of floor coverings, fabrics and the like comprising supporting and moving a test specimen in a predetermined sinuous closed path described alternately in opposite directions and in its own plane, and intermittently impacting and compressing successive portions of a total test surface of the moving specimen alternately during movement of the respective portion in one and the opposite directions in said path.

2,100,333
STORAGE BATTERY

Jack W. Hess, Dallas, Tex., assignor, by direct and mesne assignments, to The Richardson Company, a corporation of Ohio

Application March 22, 1934, Serial No. 716,848
3 Claims. (Cl. 136—124)

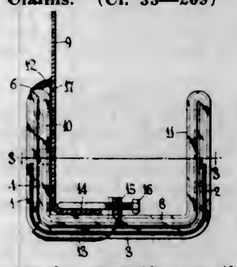


3. A metallic connector member for a multicell storage battery of a type having a single integral cover, said connector having an elongated body portion adapted to be embedded in the material of a cover and to bridge the space between cells, a peripheral flange portion located at the lower edge of said body portion, and thick walled extensions rising from the upper face of said body portion at each end thereof, said extensions and said body portion having continuous conical perforations therethrough to accept the tapered lugs of plate assemblies.

2,100,334
INDICATOR

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application May 1, 1936, Serial No. 77,457
5 Claims. (Cl. 33—209)

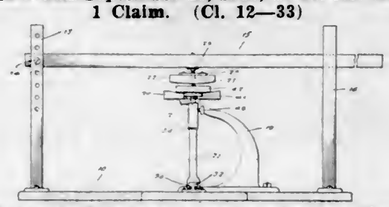


1. An indicator for mounting on the instrument panel of motor vehicles, or the like, comprising, in combination with the instrument panel, a tubular indicator body of substantially U-shape providing front and back upright legs, an indicating liquid contained within the body for registering an indication in the front leg, means for mounting the indicator body on the instrument panel with the front and back legs straddling the latter, and an equalizing passage connecting the upper portions of the upright legs and conforming substantially in shape to that of the tubular indicator body to straddle the instrument panel therewith.

2,100,335
SHOE REPAIR DEVICE

Roy L. James, North Platte, Nebr.

Application September 10, 1935, Serial No. 39,969
1 Claim. (Cl. 12—33)

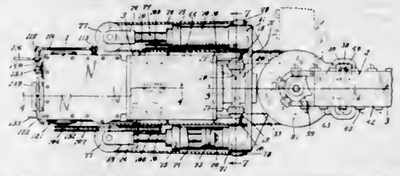


A device of the character described, a pedestal, a last plate supported by the pedestal and provided with a depression, a lever, supporting means for the lever disposed at one side of the last plate and to which one end of the lever is pivoted, a pressure plate on the lever for movement therewith into and out of cooperative position relative to the last plate and cooperable with the depression in the last plate for molding the shoe shank into shape to provide a metatarsal support, a pair of welt plates disposed on each side of the last plate, supporting standards for the welt plates, means securing the welt plates on the supporting standards for tilting movement in either of two directions only, a fixed guide rail for each standard, and interengaging means on said guide rail and standard whereby the latter is trained to move in a fixed path laterally toward and away from said pedestal.

2,100,336
MINING APPARATUS

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application November 14, 1935, Serial No. 49,781
35 Claims. (Cl. 262—28)



1. In a mining apparatus, a portable base embodying a vertically tiltable frame, a tiltable support mounted on the forward end of said frame at the forward end of said base to rock with respect thereto, a kerf cutter carried by said support and having orbitally movable cutting elements, said kerf cutter swingable about its pivot to cut a plane kerf in a mine wall, and power operated devices connected to said tiltable support for rocking the latter relative to said frame and for vertically tilting said frame, said power operated devices common both to support rocking and frame tilting.

2,100,337
ZIRCONIUM OXIDE OPACIFIER AND METHOD OF MAKING SAME

Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 22, 1935, Serial No. 27,869
9 Claims. (Cl. 106—36.2)

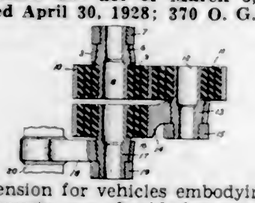
1. The method of making a vitreous enamel white opacifying composition which comprises

electro-thermally converting without fusion zirconium-containing materials mixed with a carbonaceous reducing agent to elimination of substantially all the silicon therein, heating the resulting product to oxidation to form a product composed chiefly of zirconium oxide but also containing undesired impurities, then heating said product to about 950° to 1050° C. in the presence of chlorine to reduce and volatilize the impurities including substantially all the iron and titanium, and finally calcining the residual product to eliminate substantially all the chlorides therefrom.

2,100,338

SUSPENSION FOR VEHICLES

Harry A. Knox, Washington, D. C.
Application February 15, 1937, Serial No. 125,791
7 Claims. (Cl. 267—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

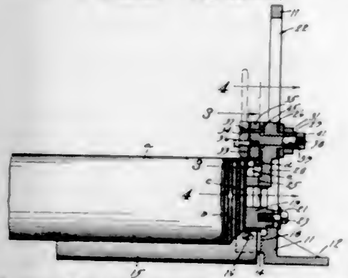


1. A suspension for vehicles embodying torque resisting elements, one of said elements connected to the load carrying member, another of said elements connected to the load, the third of said elements intermediate the first two elements to have an angular movement equal to the sum of the movements of the other two elements and connecting members from the third element to each of the other two elements.

2,100,339

OPENING DEVICE

Henry W. Lindgren, Waukegan, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 11, 1934, Serial No. 739,487
5 Claims. (Cl. 30—2)

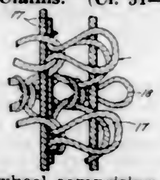


1. A tool for severing the end of fiber tube containers of varying diameters, comprising in combination, a stationary frame having a vertical portion and a trough member associated therewith for selectively supporting containers of different diameter sizes, and a cutting element pivotally mounted in the vertical portion of said frame and slidable bodily therein in a direction transverse to the container to be cut whereby to engage containers of varying diameters, said cutting element being adapted to be rocked on its axis into engagement with a supported container to pierce a wall of the same and for thereafter severing an end of a said container during rotation of the container relative to said tool.

2,100,340

BUFFING WHEEL

Stephen W. Lippitt, Cleveland, Ohio
Application February 3, 1937, Serial No. 123,897
14 Claims. (Cl. 51—193)

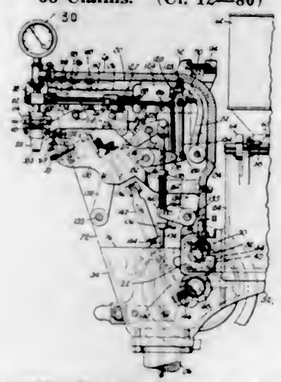


1. A buffing wheel comprising a fabric formed from cords of twisted strands of paper.

2,100,341

SHOE BOTTOM COATING MACHINE

Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 24, 1934, Serial No. 754,648
38 Claims. (Cl. 12—80)



1. In an extruding machine, a nozzle mounted on the machine and having a depending flexible work-contacting end portion, and a work-contacting rigid finger mounted adjacent to and to the rear of said nozzle thereby to limit the deflection of the resilient end portion by work raised into contact with the finger and nozzle as the work is moved forwardly beneath the nozzle.

2,100,342

NOZZLE FOR EXTRUDING MACHINES

Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application November 24, 1934, Serial No. 754,648. Divided and this application July 11, 1936, Serial No. 90,168
23 Claims. (Cl. 91—43)

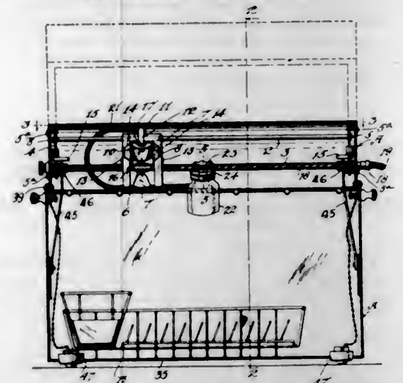


3. A nozzle having a flattened flexible tip portion provided with an outlet opening in a side face of said tip portion and adapted to be deflected by pressure against a piece of work, and means acting directly on said flexible tip portion to resist excess flexure thereof by a piece of work with which the nozzle may be in contact.

2,100,343

FLUID ACTUATED DEVICE

Othmar Maycen, New York, N. Y., assignor to Clarence N. Wheeler, Glen Ridge, N. J.
Application June 10, 1933, Serial No. 675,193
24 Claims. (Cl. 299—49)

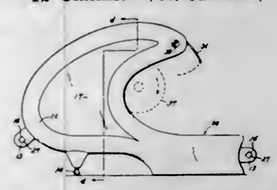


1. A device of the character described comprising a stationary screw, a fluid actuated impeller mounted to rotate coaxially thereon and to coact therewith so as to move longitudinally of said screw upon rotation of the impeller, and a fluid spraying nozzle movable by and with said impeller longitudinally of said screw for directing a fluid jet onto said impeller to rotate the latter.

2,100,344

BUFFING HOOD

Gustav H. Medart, Los Angeles, Calif.
Application January 22, 1937, Serial No. 121,850
12 Claims. (Cl. 51—270)



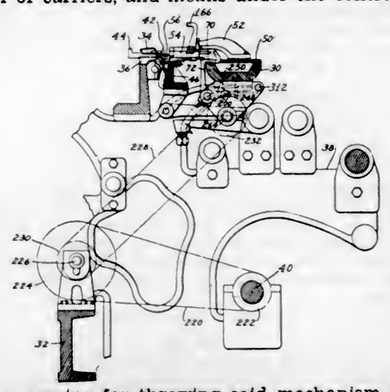
1. A buffing hood comprising; adjustably spaced side walls connected by cross walls under tension; all of said walls being of resilient and easily stretchable material, and adapted to deflect outwardly under internal impacts.

2,100,345

KNITTING MACHINE

Max C. Miller, Cumberland, R. I.
Application June 8, 1934, Serial No. 729,553
43 Claims. (Cl. 66—145)

1. In a flat knitting machine, the combination with a series of needles movable as a unit and their cooperating knitting elements including yarn measuring sinkers to which the yarn is fed, of a plurality of yarn carriers each adapted for laying yarn along said needle series and for idling adjacent the same end thereof, a yarn severing device for severing yarn extending between the fabric and an idled carrier or carriers, mechanism operating in timed relation to the operation of the machine during the traverse of a selected active carrier to actuate said cutter to cut yarn extending between the fabric and said idled carrier or carriers, and means under the control of



the operator for throwing said mechanism into operation to cut the idled yarn or yarns.

2,100,346

INTAGLIO PRINTING ELEMENTS AND METHOD OF PRODUCING THE SAME

William N. Misuraca, Merrick, N. Y., assignor to Photo-Cylinder Corporation, a corporation of New York
Application June 8, 1933, Serial No. 674,802
13 Claims. (Cl. 95—5.7)



1. The method of preparing an intaglio printing surface, which comprises exposing a film to the object to be reproduced through a half-tone screen and through a diaphragm to produce a series of dots in certain portions of the film, exposing a film a second time to light having uniform intensity and through a half-tone screen and a diaphragm of a character to produce a series of lines in the portions of the film left unexposed in the first instance, making a positive from said film, and preparing from the positive, a resist through which a metallic member is etched to produce the intaglio printing surface.

2,100,347

WOVEN BRAKE LINING, YARN, AND PROCESS FOR MAKING SAME

William Nanfeldt, Clifton, N. J., assignor to World Bestos Corporation, Paterson, N. J., a corporation of Delaware
No Drawing. Application September 21, 1934, Serial No. 744,941
10 Claims. (Cl. 117—53)

1. A yarn suitable for brake lining comprising asbestos and cotton fibres matted together and twisted with a reinforcing filament, and a powdered mixture containing iron oxide coating said fibres.

2,100,348

LIGHT BEAM TRANSMISSION SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application April 13, 1934, Serial No. 720,449
4 Claims. (Cl. 250—7)

1. A plural channel signaling system comprising means for generating a plurality of electrical

currents representing individual signals, means for generating light waves, means for impressing said electrical currents directly on said last mentioned means to vary the amplitude of said light waves in accordance with the variations in amplitude of said currents, means for collecting and



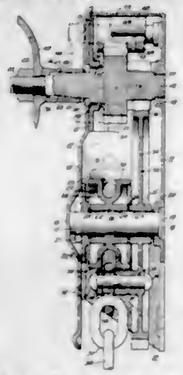
projecting said light to a distant point in the form of adjacent beams, means at said distant point for separating said adjacent light beams into spatially disposed beams, and means in each of said beams for eliminating substantially all light frequencies except a certain desired frequency.

2,100,349

HAND BRAKE MECHANISM

Raymond C. O'Connor, Chicago, Ill., assignor to Union Railway Equipment Company, Chicago, Ill., a corporation of South Dakota

Application December 26, 1935, Serial No. 56,183
4 Claims. (Cl. 74—505)



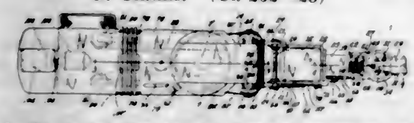
1. In hand brake mechanism, the combination of a frame provided with a removable cover plate, a gear shaft extending transversely and supported within the frame, a gear wheel, and a winding drum independently mounted upon the shaft and individually rotatable with respect to one another, a brake chain, anchoring means on the gear wheel for the end of the brake chain in position to carry the chain around the drum, and a hand operated gear mechanism for operating the gear wheel.

2,100,350

MINING APPARATUS

Charles F. Osgood, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application January 2, 1936, Serial No. 57,156
32 Claims. (Cl. 262—28)



1. In a mining apparatus, a swinging arm structure, a cutter support pivotally mounted on said arm structure, a kerf cutter carried by said cutter support, and common motor operated devices having common final terminal elements through which arm structure swing and cutter support tilt are effected for swinging said arm structure and for tilting said cutter support about its pivot relative to said arm structure to move said kerf cutter into parallel cutting planes, said devices operative to effect swinging of said arm structure while said cutter support remains stationary as regards swinging movement about its pivot relative to said arm structure.

2,100,351

PROCESS OF MAKING PLASTIC SUBSTANCES AND PRODUCT OBTAINED

Joseph C. Patrick, Trenton, N. J.

No Drawing. Application November 14, 1934, Serial No. 752,945
4 Claims. (Cl. 260—6)

1. The process which comprises chlorinating gaseous products consisting largely of hydrocarbons of the olefin type obtained from cracked petroleum hydrocarbons until an oily mixture having a boiling point between about 80° C. and about 200° C. is obtained, and treating the chlorinated mixture with an alkaline polysulfide solution.

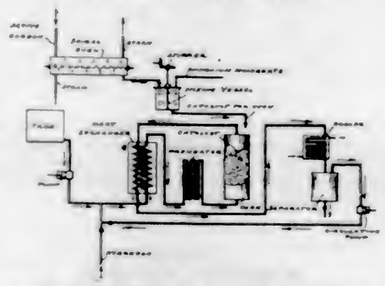
2. A plastic comprising products of reaction between an alkaline polysulfide solution and organic compounds which consist of hydrocarbons of the olefin type obtained from cracked petroleum hydrocarbons that have been chlorinated, said chlorinated compounds having a boiling point between about 80° C. and about 200° C.

2,100,352

CATALYTIC REACTION

Mathias Pier, Heidelberg, and Walter Simon and Paul Jacob, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application January 10, 1934, Serial No. 706,044
In Germany January 17, 1933
7 Claims. (Cl. 196—53)



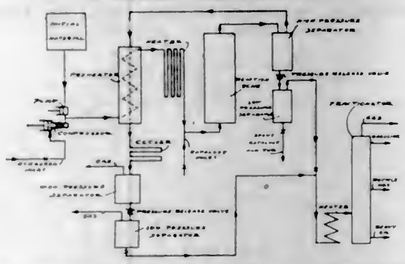
1. A process for heat-treating a distillable carbonaceous material with a hydrogenating gas which comprises acting with said hydrogenating gas upon the said distillable carbonaceous material at an elevated temperature suitable for said heat treatment while in contact with a catalyst consisting of an activated carrier containing carbon which after activation by an activating treatment at a temperature below 500° C. has been treated at a temperature above 500° C. with steam in the absence of said distillable carbonaceous material and which is provided with a substance catalytically promoting the said heat treatment with a hydrogenating gas.

2,100,353

PRODUCTION OF HYDROCARBONS OF LOW BOILING POINT

Mathias Pier, Heidelberg, and Ernst Donath, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application May 2, 1934, Serial No. 723,502
In Germany May 19, 1933
1 Claim. (Cl. 196—53)



A process for cracking a heavy hydrocarbon oil into lower hydrocarbon products, which comprises continuously passing a hydrocarbon oil which boils predominantly above 325° C. and which is capable of being cracked into low boiling hydrocarbons together with a small amount of a suspended finely divided sulfur-immune splitting and hydrogenating catalyst and an amount of added hydrogen, sufficient to prevent excessive coking and polymerization, but so regulated that less than 100 liters of hydrogen for each kilogram of normally liquid product leaves the reaction chamber, completely thru a reaction zone maintained under a temperature and pressure suitable for cracking in the liquid phase, continuously discharging the entire reaction mixture together with the suspended catalyst while still under reaction pressure from the reaction zone into a separating zone, continuously withdrawing vaporous products from said zone and separately withdrawing liquid products containing suspended catalysts from said zone, releasing the pressure on said liquid products whereby due to the sensible heat contained in said products lower boiling oils, including gas oil, are removed as vapors therefrom, combining said vapors with products withdrawn in vaporous form from the separating zone, subjecting the mixture to a fractionating operation, recovering a gas oil from said fractionating operation and returning said gas oil to the reaction zone as part of the charging stock containing fresh catalyst.

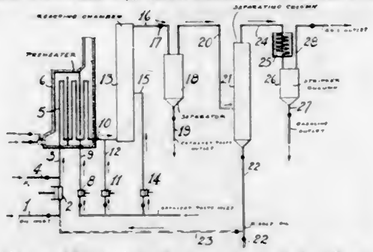
2,100,354

TREATMENT WITH HYDROGENATING GASES OF DISTILLABLE CARBONACEOUS MATERIALS

Mathias Pier, Heidelberg, and Walter Simon and Georg Grassl, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware

Application March 9, 1935, Serial No. 10,336
In Germany March 10, 1934
1 Claim. (Cl. 196—53)

A process for the treatment of distillable carbonaceous materials with added hydrogen or an added gas containing free hydrogen at an elevated temperature between 200° and 700° C. and a pressure in excess of 20 atmospheres, having at least 100 cubic meters of hydrogen present per ton of carbonaceous material treated, which comprises effecting said treatment in the presence as a catalyst of a fine granular free metal selected from the group consisting of aluminum, magnalium and aluminum bronze, finely distributed in the carbonaceous material treated, and between 0.01 and 1% with reference to the amount



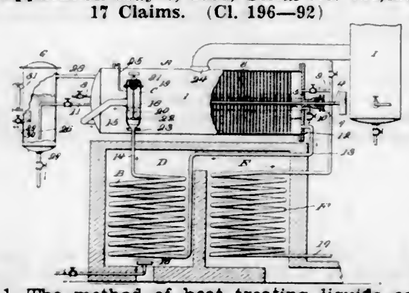
of the said carbonaceous material of a non-metallic substance comprising free halogen or hydrogen halide, the halogen portion of said non-metallic substance being selected from the group consisting of chlorine and bromine.

2,100,355

METHOD AND APPARATUS FOR UTILIZING MOLTEN MATERIAL IN HEAT TREATMENT OF LIQUIDS NOT MISCIBLE WITH THE MOLTEN MATERIAL

William O. Pray, De Beque, Colo., assignor to Pray Research Corporation, De Beque, Colo., a corporation of Colorado

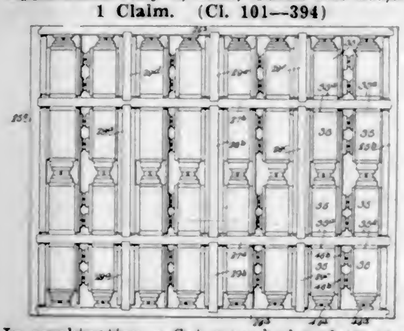
Application May 7, 1934, Serial No. 724,430
17 Claims. (Cl. 196—92)



1. The method of heat treating liquids consisting passing a stream of the same through a vessel in contact with the exposed surface of a moving mass of molten metal moving in a reverse direction to the movement of the stream of liquid and simultaneously transferring heat absorbed from within said mass through said stream of liquid as said stream moves through said vessel by alternately immersing and removing therein a plurality of spaced surfaces transversely disposed to the flow of said molten material, simultaneously filming a portion of said liquid as said stream moves through said vessel and applying the additional heat absorbed from said molten mass to said filmed liquid.

3. An apparatus for heat treating liquids comprising a vessel in which molten material is adapted to be maintained at a predetermined level, means for initially heating the same, a heating coil in communication with said molten material within said vessel, means for circulating said molten material through said vessel and coil, a plurality of spaced foraminous discs mounted to revolve transversely within said vessel with portions thereof submerged within said molten material and means for causing liquid to flow over the exposed surface of said molten material and through said discs.

2,100,356
PRESS BED LOCK-UP
William H. Ritenour, Pittsburgh, Pa.
Application May 4, 1933, Serial No. 669,345
1 Claim. (Cl. 101—394)



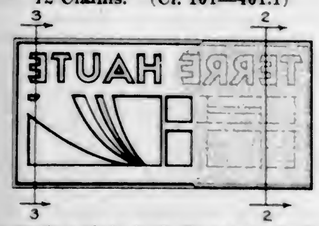
In combination, a flat press bed and an assembled book-chase structure comprising a plurality of longitudinal head bars **27** dividing the space parallelly within the two outside bars **26** into sections wherein the heads of the type-pages squeeze against the longitudinal head bars **27** by locking means employed at the feet of the type-pages; and a plurality of transverse bars **28, 29** jointing the longitudinal bars **27** at right angles and dividing the space parallelly between the outside bars **25** into sections of two pages' capacity setwise wherein the opposite sides of the type-pages will squeeze against the transverse bars **25, 28, 29** by locking means employed at the sides of the type-pages.

2,100,357
CASTELLATED NUT BLANK
William McLure Rosborough, Charlotte, N. C.
Application December 24, 1931, Serial No. 583,068
4 Claims. (Cl. 85—34)



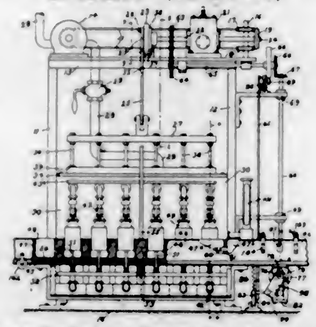
1. A castellated nut blank having the metal of the body of the blank compressed and dense as compared to the metal of the locking lugs, and having extruded locking lugs, the metal of the locking lugs being uncompressed and not dense as compared to the metal of the body of the blank.

2,100,358
PAPERBOARD PRINTING PLATE AND PROCESS OF MAKING SAME
James S. Royse and Paul R. Turner, Terre Haute, Ind., assignors to Thomson Symon Co., Terre Haute, Ind., a corporation
Application October 28, 1935, Serial No. 46,971
12 Claims. (Cl. 101—401.1)



1. A printing plate including a supporting base and a printing body, the latter comprising a relatively dense liner of paper board stock, and of but slight thickness, and a relatively thicker main portion of paper board stock secured at opposite faces to the liner and the base.

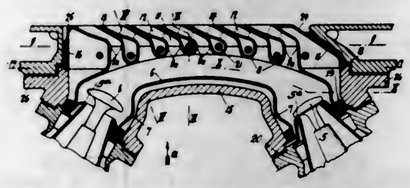
2,100,359
DEVICE FOR FILLING CONTAINERS WITH LIQUIDS
Samuel Saeta, Los Angeles, Calif.
Application November 12, 1935, Serial No. 49,345
15 Claims. (Cl. 226—95)



1. In a device of the character described, a shaft, means for rotating said shaft, a tank for liquids, means for supplying liquid to said tank, a plurality of pump cylinders connected with said tank and receiving liquid therefrom, a piston for and reciprocating in each of said cylinders, a liquid-carrying connection leading from each of said cylinders, a nozzle for and attached to each of said connections, means for simultaneously presenting an empty container to each of said nozzles, a member connecting all of said pistons through which they are reciprocated in their respective cylinders, a pitman connected with said member, a crank member rotatable with said shaft, said member having a plurality of apertures therein at various distances from the shaft and the pitman having a corresponding plurality of apertures therein, and means for connecting the pitman to said crank member through the corresponding apertures in the pitman and crank member, the arrangement of the apertures being such that the pistons will always begin their power strokes at the same point with reference to the respective cylinders and the length of said strokes will be varied in accordance with the aperture in the crank member through which the pitman is connected.

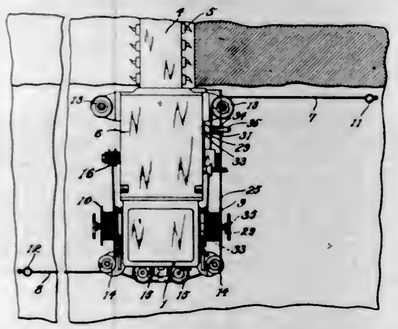
2,100,360
NOZZLE CHANNEL CONSTRUCTION
Georg Schaper, Muelheim-Ruhr-Broich, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application April 20, 1935, Serial No. 17,467
In Germany April 23, 1934
8 Claims. (Cl. 60—41)

1. In a constant volume explosion turbine plant, the combination of a constant volume explosion chamber, a nozzle assembly for directing the gases generated in said chamber against a turbine rotor, a nozzle channel between the nozzle assembly and the outlet end of the explosion chamber, an outlet valve at the discharge end of the chamber controlling the communication between such chamber and the nozzle channel, the walls of said channel being relatively thin and being provided with one or more lateral passageways leading into the nozzle essembly, a relatively thick walled jacket about said channel and spaced therefrom to provide a cooling chamber adapted to receive a current of cooling agent, the jacket being connected to said



channel to seal the cooling chamber, and elastic connections between said channel and said jacket for elastically suspending the channel within the relatively rigid jacket for enabling the channel to expand and contract as the temperature of its walls and the pressure thereon vary.

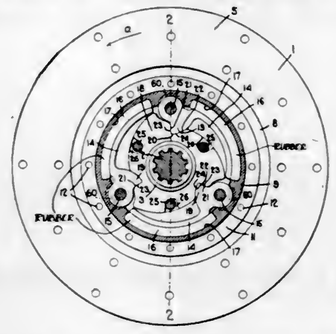
2,100,361
MINING MACHINE
Leon E. Simmons, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 13, 1935, Serial No. 40,450
25 Claims. (Cl. 262—30)



1. In a mining machine, a machine frame having a smooth bottom surface adapted to rest upon and slide over a mine floor, a rigid cutter bar projecting forwardly from said frame, means for feeding the machine bodily laterally over the mine floor during the cutting operation, and jack means extending longitudinally of the machine at the advancing side thereof and connected to the machine frame for tilting the machine about an axis extending longitudinally of the machine while the bottom surface of the machine frame at the receding side of the machine remains resting on the mine floor.

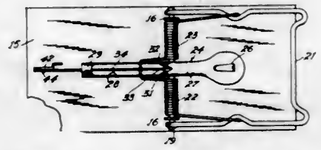
2,100,362
CLUTCH CONSTRUCTION
John A. Stahle, Boston, Mass., assignor of one-half to Thorwald Lillemoen, Watertown, Mass.
Application November 23, 1933, Serial No. 699,349
4 Claims. (Cl. 192—68)

2. Clutch mechanism comprising a driven shaft, a driven clutch member thereon having a hub portion fast on the shaft and a clutching portion encircling the hub portion and capable of a limited turning movement relative thereto, said clutching portion having means for engagement with a driving clutch member, a plurality of two-armed levers pivoted to one portion of the driven clutch member, each lever having a long arm extending at substantially right angles to a radial line and also having a short arm, a resilient backing for the long arm of each lever on



the outside thereof, and a permanent torsional-strain-transmitting connection between the short arm of each lever and the other portion of the driven clutch member said hub and clutching portion having cooperating means other than the levers to limit the relative turning movement between them.

2,100,363
ANIMAL TRAP
Herbert A. Stilson, Chicago, Ill.
Application August 13, 1934, Serial No. 739,541
12 Claims. (Cl. 43—83)

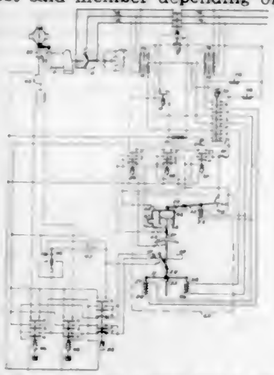


1. In an animal trap comprising a base, and a spring actuated jaw pivoted thereon, the combination of a trigger cooperating to lock said jaw in operative position, and comprising an elongated body portion and an apertured enlarged head, and a support carried on said base having means on one side thereof extending into and removable in its normal condition from the aperture in said trigger for pivotally carrying the same.

2,100,364
CONTROL SYSTEM
Edward H. Stivender, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 14, 1936, Serial No. 63,923
14 Claims. (Cl. 171—118)

11. A device for controlling the connection of two alternating current circuits including a control member, means connected with the circuits for causing said control member to be displaced at a speed substantially proportional to the rate of variation of the phase angle between the voltages of the circuits, a second control member, and means connected with the circuits for causing the second said control member to move

transversely to and assume a position in the path of the first said member depending on the said



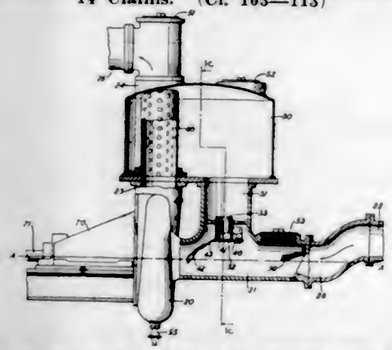
rate of variation of the phase angle between the voltages of the circuits.

2,100,365

SELF-PRIMING IMPELLER PUMP FOR GAS AND FLUID MIXTURES

Albert C. Stratton, Lincoln Park, N. J., assignor to Alfred S. Marlow, Ridgewood, N. J.

Application May 18, 1931, Serial No. 538,129
14 Claims. (Cl. 103—113)



1. A pumping system for pumping varying mixtures of air and water which comprises a centrifugal pump having a suction opening, a suction connection for the main water flow into said opening, a recirculation path for said pump of negligible impedance and effective as a reservoir for priming water, a short restricted passage forming the junction between said path and said suction connection and presenting substantially the total impedance to flow in said path, and a shutter member for said passage having a plurality of surfaces for impact with the reserve flow through said passage and fastened to extend into the air zone within said suction connection for operation by varying impact with the main flow through said suction connection to shut off the reserve flow through said passage.

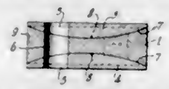
2,100,366

VALVE

Stephen Leslie Tyler, Garden City, N. Y.

Application January 5, 1935, Serial No. 501
6 Claims. (Cl. 251—84)

1. A rotary disc type valve comprising a rotor and associated stators, each provided with a registrable port, and in which a rotor surface is curved and the contiguous surface of the stator complementarily curved, said curved surfaces being the



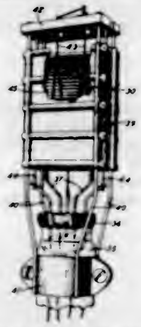
sole means for positioning the rotor, the flow through said valve being substantially parallel to the axis of rotation.

2,100,367

ELECTRIC DISCHARGE DEVICE

Frank E. Ward, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 16, 1932, Serial No. 617,491
7 Claims. (Cl. 250—27.5)



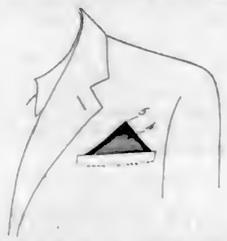
3. In combination, a discharge device having a heatable cathode coated with an alkaline earth emissive substance, a stem supporting leading-in wires for said cathode and another electrode, and a deposit of a non-conducting oxide of the group consisting of nickel, chromium, aluminum and manganese on said stem surrounding said leading-in wires to combine with said emissive substance to form an inactive, stable, insulating compound.

2,100,368

HANDKERCHIEF SIMULATION

James Price Weyman, San Antonio, Tex.

Application April 16, 1935, Serial No. 16,671
2 Claims. (Cl. 35—56)



1. A handkerchief simulation comprising a plurality of connected sections each including outer and inner layers of material with the outer layers arranged to receive the inner layers therebetween, each section being of a different color and having angled free portions disposed whereby any one may be individually displayed from the pocket of a user.

2,100,369

TEXTILE MATERIALS AND METHOD OF MAKING SAME

William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 20, 1935, Serial No. 32,455
10 Claims. (Cl. 260—101)

1. In a process for the manufacture of organic acid esters of cellulose hydroxy alkyl ethers, the steps of forming an alkali-cellulose, etherifying the alkali-cellulose with an etherifying agent selected from the group consisting of ethylene oxide and the homologues thereof, the amount of etherifying agent being from 3.5 to 4.5 parts by weight of ethylene oxide or molecular equivalents of its homologues, and esterifying the alkyl hydroxy ether of cellulose so produced in the presence of a condensing agent in such a manner that there are more than 2½ acyl groups combined with said alkyl hydroxy ether of cellulose.

2,100,370

VULCANIZATION OF RUBBER

Ira Williams, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 18, 1935, Serial No. 22,171
12 Claims. (Cl. 18—53)

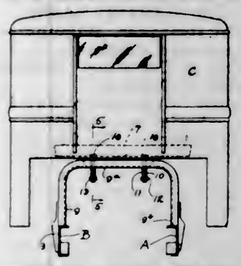
5. The method of vulcanizing rubber which comprises incorporating in a rubber mix an acidic type sulfur containing accelerator and a diaryl guanidine sulfate.

2,100,371

MOTOR VEHICLE CONSTRUCTION

Benjamin B. Bachman, Philadelphia, Pa., assignor to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania

Original application June 16, 1934, Serial No. 730,863. Divided and this application March 29, 1935, Serial No. 13,605
6 Claims. (Cl. 296—35)



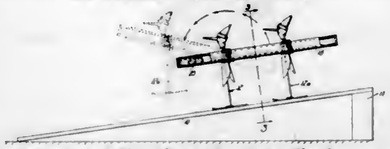
1. The combination with a frame, as that of a vehicle chassis, of a body and means for connecting said body to said frame for controlled relative movement, said means including a rigid supporting member spanning said frame in vertically spaced relation thereto, lateral extensions rigid with said frame forwardly of said supporting member, devices connecting the forward part of the body in proximity to its base line in bearing engagement with said lateral extensions and devices located on either side of the median line of said body, for connecting the rear part of said body in bearing engagement with said member in a zone an appreciable distance above the base line of said body, all of said devices including resilient elements functioning to yieldably control the relative movements of the parts interconnected by said devices, and permit said body to rock laterally upon said member.

2,100,372

MOVING TOY

Armand Barton, Chicago, Ill.

Application January 18, 1937, Serial No. 121,229
18 Claims. (Cl. 46—134)



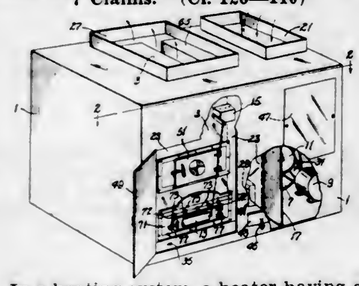
1. A device of the character described comprising a pair of longitudinal members provided with spaced vertical supports constituting figures, a lively weight within said members, and means for shifting the center of gravity of said members to cause oscillation of said members around one of said supports.

2,100,373

HEATING APPARATUS

Vernon S. Beck, St. Louis, Mo.

Application May 29, 1936, Serial No. 82,500
7 Claims. (Cl. 126—110)



1. In a heating system, a heater having a combustion chamber and a draft intake, an enclosed heater casing about said heater, a blower constructed to receive cool air and force the same through said heater casing, a draft casing communicating with said heater draft intake, said heater casing and said draft casing having communicating means therebetween, means in said last-named communicating means automatically openable under super-atmospheric pressure in the heater casing to provide a super-atmospheric pressure in said draft casing available at said draft inlet, said draft casing also having an outside communication, and means in said outside communication normally standing open to permit a natural draft to said draft opening but constructed automatically to close upon the attainment of super-atmospheric pressure in said draft casing.

2,100,374

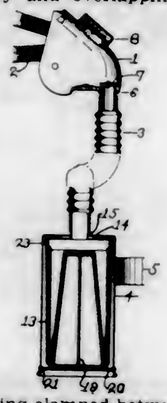
FILTERING ASSEMBLY FOR RESPIRATORS

Edmund J. Biever, Kohler, Wis.

Application March 11, 1936, Serial No. 68,203
2 Claims. (Cl. 183—71)

1. In a respirator, the combination of a canister unenclosed on the side normally bottommost; an air pervious rack having a solid top portion; means for attaching said top portion to said canister, said rack being spaced from said canister

to leave an air space therebetween throughout a substantial portion of its surface area; a nipple attached to said top portion and extending through said canister whereby to provide communication between the interior of said rack and the exterior of said canister; a filtering element of dust impervious material enclosing said rack supported thereby and overlapping said solid top



portion and being clamped between said top portion and said canister when said frame is attached to said canister as aforesaid; a second rack adapted to fit within said first mentioned rack and to engage said filtering element and fold it back upon itself in acute angles and means for securing and positioning said second mentioned rack in said canister.

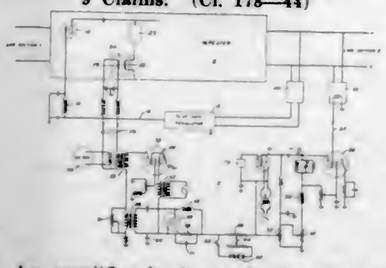
2,100,375

GAIN CONTROL

Royer R. Blair, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 1, 1936, Serial No. 77,303

9 Claims. (Cl. 178—44)



1. An amplifier having a backwardly acting gain control from an output portion to an input portion of the amplifier, said gain control including an amplifier having a backwardly acting gain control from an output to an input portion thereof, and means making the response of the second-mentioned gain control slow in comparison with the response of the first-mentioned gain control.

2,100,376

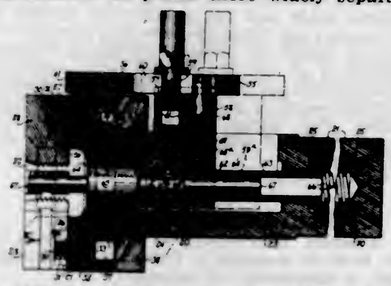
TAPER-THREAD-CUTTING TOOL

Albert F. Breitenstein, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut

Application October 10, 1936, Serial No. 104,934

10 Claims. (Cl. 10—120.5)

1. In a taper-thread-cutting tool, the combination with a body-member having two spaced-apart bearing-surfaces within its interior and a passage leading laterally therefrom; of a plurality of advanceable and retractable taper-thread-cutting chasers carried by the said body-member; an oscillating chaser-operating unit operatively associated with the said chasers to move the same with reference to an article being threaded; and a taper-control unit effecting the progressive turning movement of the said chaser-operating unit and including a bearing-member having a relatively-large and a relatively-small bearing-portion respectively bearing in the spaced-apart bearing-surfaces within the said body-member at points more widely separated



than the largest diameter of the larger of the two bearing-portions of the said bearing-member, the said taper-control unit also comprising a post-like portion member rigidly carried and guided directly by and extending outwardly from the said bearing-member through the passage leading from the interior of the said body-member at a point intermediate the respective opposite ends thereof, and a member carried by the said rigid post-like member and having cam-like engagement with a portion of the said chaser-operating unit and effecting the oscillation thereof as the taper-control unit is moved axially of the tool structure.

2,100,377

ARTICLE OF MANUFACTURE AND METHOD OF MAKING SAME

Merlin Martin Brubaker, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 31, 1934, Serial No. 728,455

10 Claims. (Cl. 91—68)

10. A transparent, moistureproof, flexible, heat-sealable film comprising a regenerated cellulose base having a coating thereon containing a film-forming substance and a wax material, said film-forming substance consisting of a polyether resin comprising the alkaline reaction product of a polyhydric phenol and an organic polyhalide whose halogen atoms are attached to different carbon atoms, said carbon atoms being joined to other atoms solely by single bonds.

2,100,378

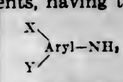
AZO DYES

James I. Carr and Crayton K. Black, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 7, 1935, Serial No. 39,630

19 Claims. (Cl. 260—86)

2. A dyestuff being the product formed by diazotizing an arylamine, free from water-solubilizing substituents, having the formula



in which X is one of a group consisting of H and NH_2 and Y is one or more negative substituents other than water-solubilizing substituents, and coupling it to an aceto-acet-nitro-anilide free from water-solubilizing substituents, said coupling component containing only one aryl nucleus.

2,100,379

HORTICULTURAL IMPLEMENT

William F. Cervenka and Fred Miller, Traverse City, Mich.

Application April 3, 1936, Serial No. 72,452

2 Claims. (Cl. 306—14)



1. In a horticultural implement, in combination: a tool element and an elongated handle element pivotally connected for relatively turning movement about an axis transverse thereto; a latch pivotally mounted on the handle element turnable inwardly to a position engaging the tool element for holding said elements against such relative movement; a collar on the handle element turnable therearound and slidable therealong to and from a position engaging the latch for holding the same in its said position; a foot rest pivotally mounted on the collar for turning movement to and from operative position transverse the axis of the handle element and turnable with the collar to angular positions about said axis.

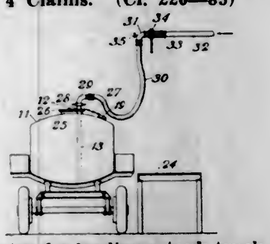
2,100,380

TRUCK TANK LOADING APPARATUS

George W. Chenicek, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 9, 1935, Serial No. 53,465

4 Claims. (Cl. 220—85)



1. Apparatus for loading a tank truck comprising a truck tank carried by said tank truck, a filler pipe for said tank permanently installed as a part of said tank truck, said filler pipe terminating at its upper end above the normal liquid level in said tank and terminating at its lower end within said tank near the bottom of said tank, attachment means carried by the upper end of said filler pipe, and a filler line, said filler line comprising a permanently installed delivery line leading to a storage tank, a valve in said delivery line, a vacuum breaker in said delivery line on the delivery side of said valve above the normal liquid level in said tank, a flexible hose connected to said delivery line at one end, and a quick attachment coupling carried by the free end of said flexible hose adapted to cooperate with said attachment means to form a liquid-tight joint therewith.

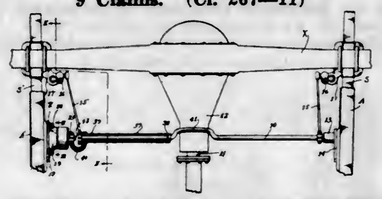
2,100,381

STABILIZER STRUCTURE FOR AUTOMOBILES

Harry L. Chisholm, Jr., Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application March 21, 1936, Serial No. 70,046

9 Claims. (Cl. 267—11)



1. Stabilizing structure for an automotive vehicle, comprising a torque bar extending across and supported on the vehicle chassis, levers and links connecting the ends of said bar with the respective ends of a vehicle axle, a shock absorber mounted on one side of the vehicle chassis adjacent the said torque bar, and a transmission connection between said shock absorber and said bar at substantially the middle point thereof for transmitting torsional movement at said point to said shock absorber.

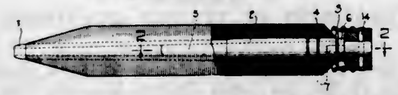
2,100,382

WEAVING DEVICE

Thomas Boss Congdon and Charles Jacob Long, New London, Conn., assignors to Celanese Corporation of America, a corporation of Delaware

Application July 22, 1936, Serial No. 91,824

2 Claims. (Cl. 139—207)



1. A weaving device for adapting the cop type of yarn package to looms normally employing a quill, said device comprising a cop supporting member, said cop supporting member having a recess adapted to receive the flange of a cop tube, a collar in said recess adapted to abut against said flange, said collar being of smaller diameter than said flange and spring means clamped between said collar and said cop supporting member adapted to engage with said flange and to retain it in abutment against said collar.

2,100,383

TRUCK TANK AND CAB

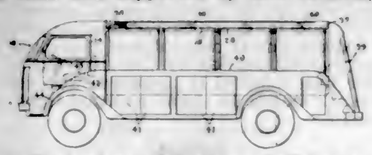
Augustine Davis, Jr., Cincinnati, Ohio

Application April 6, 1934, Serial No. 719,272

2 Claims. (Cl. 280—5)

2. A truck tank body comprising a tank including sides and a top welded to said sides, a false top for the tank including integral extensions of the tank sides projecting above the connections of the tank top with the sides, transverse carlines extending across the tank body and supported at their ends by the extensions of the

tank sides, and a top shell extending across the top of the tank between said extensions of the tank sides and supported by said carlines, the

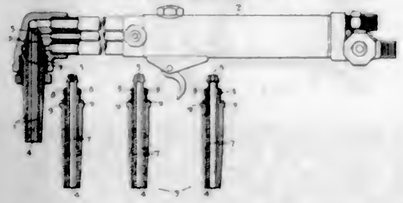


longitudinal edges of the top shell being connected with the upwardly projecting extensions of the tank sides.

2,100,384
OXYGEN CUTTING APPARATUS

George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application September 29, 1932, Serial No. 635,342
1 Claim. (Cl. 158—27.4)



A cutting tip having an oxygen delivery orifice and a restricted oxygen inlet orifice, the relative sizes of said orifices being substantially in accordance with the formula:

$$A_r=\left(\left(\frac{4000\pm700}{P}\right)-14\right)A_o^{1.56}$$

wherein A_r is the cross-sectional area of the oxygen inlet orifice in square inches, A_o is the cross-sectional area of the exit orifice in square inches, and P is the absolute value in pounds per square inch of a selected operating pressure common to a set of tips of different powers.

2,100,385
TREATMENT OF TEXTILE AND OTHER MATERIALS

Henry Dreyfus, London, England

No Drawing. Application April 20, 1935, Serial No. 17,487. In Great Britain May 22, 1934
2 Claims. (Cl. 91—68)

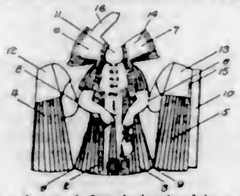
2. Process for impregnating cellulose acetate filaments, threads, yarn and like materials with cellulose, which comprises subjecting said materials to the action of ethanol, treating said materials with a viscose solution containing less than 2% of cellulose, said ethanol having a precipitating action on said viscose solution, subjecting said materials to a light wash whereby the sticking together of the filaments or threads is prevented, and then regenerating the cellulose from the viscose carried by said materials.

2,100,386
PAPER DOLL'S DRESS

George Hyde Emery, Norwalk, Conn.

Application October 9, 1935, Serial No. 44,289
3 Claims. (Cl. 46—157)

1. In a dress for a paper doll, a front section, main rear sections at opposite sides of the front sections foldable rearwardly back of the front section with one of the rear sections overlapping the other, auxiliary rear sections carried by the front section and foldable rearwardly into overlying relation to end portions of the main rear sections with one auxiliary rear section overlapping the other, and means carried by one auxiliary rear

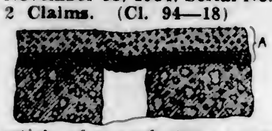


section and adapted for interlocking engagement with the other auxiliary rear section and one of the main rear sections to releasably hold the auxiliary and main rear sections folded rearwardly.

2,100,387
PRODUCT FOR COVERING HIGHWAY JOINTS

William C. Ferguson, St. Louis, Mo.

Application November 15, 1934, Serial No. 753,147
2 Claims. (Cl. 94—18)

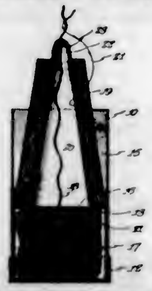


1. As an article of manufacture, a cover strip for joints in roadways and the like comprising a strip of fabric impregnated with tacky asphalt in such manner that one surface of said fabric is substantially entirely covered with asphalt, while the other surface of said fabric is substantially all exposed, and free from asphalt, the asphalt, however, penetrating the interstices of said fabric in such manner that it presents a tacky surface for said second-named fabric surface, whereby said strip, when applied to a roadway, adheres thereto with the second-named fabric surface directly juxtaposing the roadway surface without substantial amounts of asphalt therebetween.

2,100,388
HOLDER AND METHOD FOR KNITTING, CROCHETING, AND ANALOGOUS PURPOSES

Ralph K. Fisher, New York, N. Y., assignor of one-half to Oregon Worsted Company, Portland, Oreg., a corporation of Oregon

Application February 20, 1937, Serial No. 126,781
10 Claims. (Cl. 242—159)

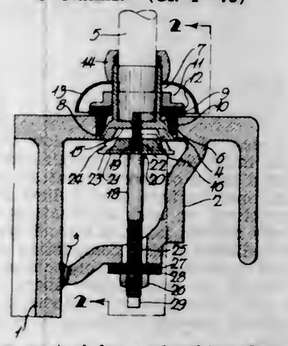


9. The method of associating two strands of material which consists in arranging one strand wrapped upon a supply member having a passageway through its interior; passing another strand through said passage-way and arranging the same in contact with said first mentioned strand; and then simultaneously withdrawing both strands while holding said supply member stationary and thereby wrapping said first mentioned strand around said other strand in natural untwisted condition.

2,100,389
FLOW CONTROL FOR URINALS AND THE LIKE

Gordon P. Gavin, Kohler, Wis.

Application July 31, 1937, Serial No. 156,620
3 Claims. (Cl. 4—75)

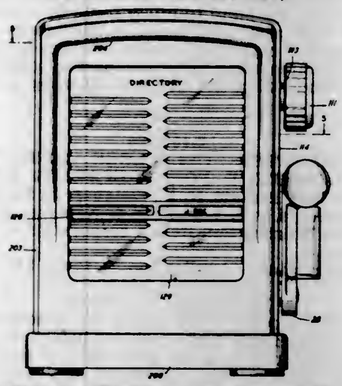


1. A flow control for a plumbing fixture comprising a tubular spud connection having an outwardly flaring flange at its lower extremity, means for connecting said spud connection to a flushing rim, means for connecting a supply pipe to said spud connection, a web extending across the interior of said spud connection, a plurality of lugs on said web, a flow regulating stem having threaded connection with said web, a shoulder on said flow regulating stem, a flow regulating disc positioned on said flow regulating stem and abutting said shoulder, said flow regulating disc being grooved to receive the aforesaid lugs, means for holding said regulating stem in position on a flushing rim, and means on one extremity of said flow regulating stem adapted for engagement by a tool whereby to rotate said stem.

2,100,390
CALL TRANSMITTER

Harold W. Goff, Great Neck, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 18, 1937, Serial No. 126,416
10 Claims. (Cl. 179—90)



4. A call transmitter comprising normally closed contacts, a plurality of operating members for said contacts, a rotatable shaft for moving said members in a circular path for actuating said contacts, a plurality of cams, one of said cams being movable, a rotatable code element, and means operated by the movement of said rotatable shaft and cooperating with said element for controlling the operation of said movable cam for operating contacts.

2,100,391
VITREOUS COMPOSITIONS OR GLASSES

Hans Georg Grimm, Heidelberg, and Paul Huppert, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 12, 1936, Serial No. 95,630
11 Claims. (Cl. 106—36.1)

1. A clear vitreous composition obtained by fusion and comprising an oxidic component and a vitrifying component containing between 10 and 100 per cent by weight of Al_2O_3 and P_2O_5, Al_2O_3 being present in a proportion which, reckoned on P_2O_5, is larger than that present in $AlPO_4$, but does not exceed about 4 parts by weight per each part of P_2O_5.

2,100,392
ALKYLARYLANTHRAQUINONE DYESTUFFS

Norman Hulton Haddock, Prestwich, and Colin Henry Lumsden, Gatley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain.

No Drawing. Application June 25, 1935, Serial No. 28,352. In Great Britain June 28, 1934
10 Claims. (Cl. 260—60)

1. Compounds of the formula

Aq—X—R'—R

in which Aq stands for an anthraquinone radical; X stands for a linking radical of the class consisting of —NH—, —O—, —S—; R' stands for an arylene radical of the class consisting of phenylene, naphthylene and acenaphthylene, and R stands for a long chain alkyl group containing from 8 to 20 carbon atoms.

5. Compounds of the formula

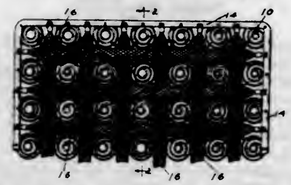
Aq—X—R'—R

in which Aq stands for an anthraquinone radical, X stands for a linking radical of the class consisting of —NH—, —O—, —S—, R' stands for an arylene radical of the class consisting of phenylene, naphthylene and acenaphthylene, and R stands for a long chain alkyl group containing from 8 to 20 carbon atoms, and which carry in the molecule at least one sulfonic acid radical.

2,100,393
BEDSPRING

Lawrence H. Hamilton, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan

Application March 9, 1936, Serial No. 67,833
1 Claim. (Cl. 5—230)



A spring structure comprising a plurality of rows of coil springs, means interconnecting said

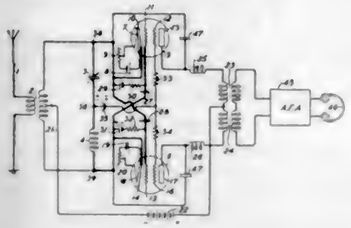
springs, upper and lower frames surrounding said springs and the lower of which is provided with means supporting the lower ends of said springs, and lengthwise-yieldable supports at right angles to each other between said rows and carried over and under each other and which are attached at their ends to said upper frame substantially in the plane of the upper ends of said coil springs and otherwise freely movable relative to said springs and each of which comprises a braid made up of spring steel wires each extending the full length of the support and carried alternately over and under each other diagonally of the braid and which are spread apart to form a relatively wide mesh and which bend back across the braid at the edges thereof and are permanently set beyond the elastic limit of the steel at said edges to form in effect a large number of small springs yieldable in the plane of the braid.

2,100,394

RECEPTION OF FREQUENCY MODULATED WAVES AND CIRCUITS THEREFOR

Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 23, 1936, Serial No. 60,420
10 Claims. (Cl. 250—20)



1. An amplifier for amplifying oscillations of frequency above a fixed cut-off frequency without amplifying oscillations below the cut-off frequency comprising an electron discharge device having a cathode, an anode and two interposed grids, an inductance element and a capacity element constituting a series path tuned to the cut-off frequency, and means for connecting the cathode and one grid across the inductance element and for connecting the cathode and other grid across the series tuned path.

2,100,395

MOLDING OF PULP

Roy D. Heymann, Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application February 11, 1935, Serial No. 6,129
4 Claims. (Cl. 92—54)

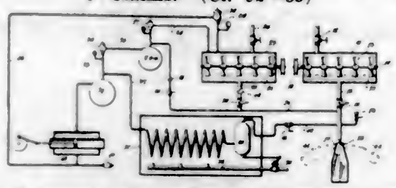
1. The herein described method of making molded paper pulp containers having substantially smooth interiors, which comprises successive introduction into a foraminous mold, of a pulp suspension containing 1¾% to 2% of fibres, at a pressure of from one to 10 pounds, followed by a pulp suspension containing ¼% to ¾% of fibres at a pressure of 10 lbs. to 30 lbs. per square inch, the duration of the flow of thick pulp suspension being shorter than that of the thin pulp suspension.

2,100,396

HYDRO-PNEUMATIC PULP MOLDING

Roy D. Heymann, Woodbridge, Conn., assignor, by mesne assignments, to Pulp Products Company, Inc., New York, N. Y., a corporation of Delaware

Application March 9, 1935, Serial No. 10,219
9 Claims. (Cl. 92—55)



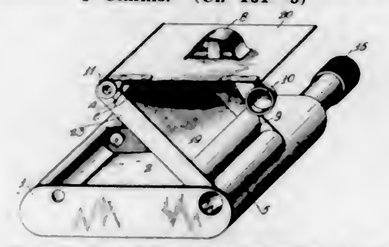
1. A process of forming a hollow pulp article having an impervious wall which comprises establishing a layer of loosely matted pulp fibers upon the inner surface of a hollow foraminous mold, depositing on and intermatting with said first loosely matted layer, a second layer of soluble nitrocellulose fibers, compacting said layers within said mold and contacting said second layer with a solvent for said soluble fibers whereby to coalesce said second layer of fibers into an impervious solid coating adhering to said layer of pulp fibers.

2,100,397

POCKET CIGARETTE ROLLER

Erik Edward Hollander, Kearny, N. J.

Application November 5, 1931, Serial No. 573,099
3 Claims. (Cl. 131—5)



3. In a device of the class described, a casing, a tubular compartment at one end thereof, means for holding cigarette papers in the casing, a paste-holding compartment in the casing, a movable plate mounted in the casing, means for manipulating the plate to apply paste to a cigarette paper and insert said paper in the tubular compartment, a cigarette forming member in the tubular compartment, and means for contracting and withdrawing the cigarette-forming member.

2,100,398

REGENERATED CELLULOSE STRUCTURE AND METHOD FOR PREPARING SAME

Emil Kline, Buffalo, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 24, 1934 Serial No. 749,823
18 Claims. (Cl. 8—5)

1. The process which comprises incorporating into viscose made from cellulose having an alpha cellulose content of at least 92% a compound soluble therein, said compound having at least 14 carbon atoms and being taken from the class consisting of an alkali metal salt of naphthalene

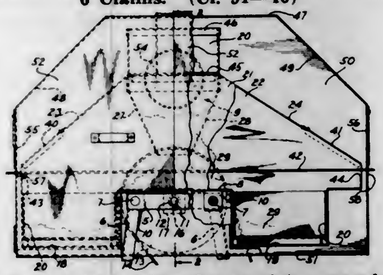
sulfonic acid condensed with formaldehyde, alkali metal petroleum sulfonate, alkali metal abietene sulfonate, polymerized alkali meta thiophenol and its formaldehyde-bisulfite condensation product, alkali metal stearyl sulfate, alkali metal oleyl sulfate, alkali metal cetyl sulfate, alkali metal myristyl sulfate, and an alkali metal salt of the product obtained by sulfating a normal primary acetylated aliphatic alcohol, spinning the viscose into threads, fabricating the thread into a fabric with a textile material having a lower affinity than said thread for dyestuffs of the class consisting of basic and naphthol dyestuffs, and dyeing said fabric with a dyestuff taken from the class consisting of basic and naphthol dyestuffs.

2,100,399

POWDERED MATERIAL APPLYING APPARATUS

David A. S. Laing, Montreal, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 17, 1936, Serial No. 74,827
6 Claims. (Cl. 91—46)



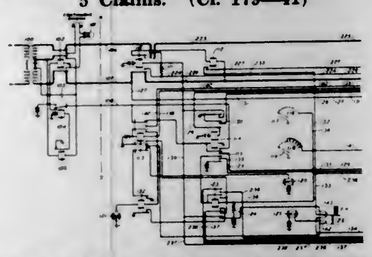
1. In an apparatus for applying powdered material to moving articles, a table for supporting a supply of said material in the path of said moving articles, a hopper for maintaining the supply of material on said table, and means for moving said hopper and table in a direction transverse to the direction of movement of said articles.

2,100,400

TELEPHONE SYSTEM

Ernst von der Linden, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 30, 1936, Serial No. 88,134
5 Claims. (Cl. 179—41)



1. In a telephone system, an operator's position, a line terminating thereat, a common battery cord circuit at said position including a supervisory signal device adapted to be connected to said line, a source of ringing current, and means in said line responsive to the connection of said cord with the line for connecting said source to the line and displaying said supervisory signal for a predetermined time interval.

2,100,401

MANUFACTURE OF ORTHO-AND PERI-ARYL DINITRILES

Reginald Patrick Linstead, South Kensington, London, and Arthur Reginald Lowe, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application August 4, 1936, Serial No 94,284. In Great Britain January 13, 1933
11 Claims. (Cl. 260—99.30)

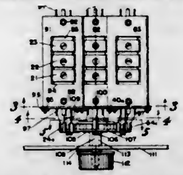
1. A process for the manufacture of aryl nitriles which comprises heating a gaseous mixture comprising a molecular excess of ammonia and a member of the group consisting of orthophthalic acid, ortho-phthalic anhydride, phthalamic acid, phthalimide, and phthalamide at a temperature between 360° and 550° C. for a period of time between about 2 seconds and about 24 seconds in the presence of a catalyst adapted to transform an amide into a nitrile.

2,100,402

MULTIBAND INDUCTANCE UNIT

Walter Lyons, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application January 10, 1936, Serial No. 58,468
6 Claims. (Cl. 250—40)



1. In a multi-band radio receiver having a plurality of tunable stages; a compact, multi-band inductance unit comprising; rotary switching mechanism including an actuating shaft and a plurality of contacts disposed about said shaft, said contacts comprising a plurality of groups, at least one for each of the stages of the receiver; a group of inductance elements for each of the stages of the receiver the inductance elements of each of said groups being non-inductively related to the inductance elements of the other of said groups, each group including a plurality of inductance elements having different inductance values for operation over the several bands of the receiver, said groups of inductance elements being mounted with their axes parallel to the axis of said shaft and being angularly disposed about the axis of said shaft at substantially equal radial distances, said inductance elements of each of said groups being similarly disposed with respect to said axis, and axially spaced along said axis, said groups of inductance elements having terminals in proximity to their respective groups of contacts; and short and substantially linear connections between the terminals of each group of inductance elements and its respective group of contacts.

2,100,403

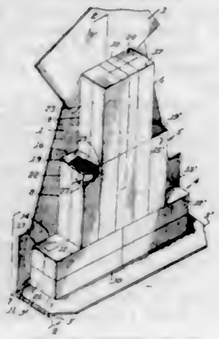
DISPLAY DEVICE

Ralph J. Mancuso, Brooklyn, N. Y., assignor, by mesne assignments, to Carl Percy, Inc., New York, N. Y., a corporation of New York

Application June 1, 1935, Serial No. 24,470
17 Claims. (Cl. 40—126)

1. In a display device, the combination of a sheet of material providing a substantially upright display wall, said wall having a portion partially cut therefrom and foldable out of the plane thereof to form the front and top walls

of a display formation, and a second sheet of material foldably secured to the foldable portion



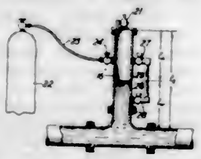
of said first sheet, said second sheet forming the side walls of said display formation.

2,100,404

FLUID TRANSMISSION

Warren P. Mason, East Orange, N. J., George T. Stanton, Mamaroneck, N. Y., and John E. Tweeddale, Newark, N. J.; said Mason assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York, and said Stanton and Tweeddale assignors to Electrical Research Products, Inc., New York, N. Y., a corporation of Delaware

Application August 16, 1932, Serial No. 628,980
3 Claims. (Cl. 138—26)



3. In a water supply system comprising a main conduit and a pump for maintaining water pressure therein, means for suppressing pulsations of the water pressure due to the pump comprising a side branch having unrestricted communication with said conduit, said branch having a closed end and containing a column of water having thereabove a cushion of air, and said cushion being adapted by variations in volume to accommodate differences of pressure in said column of water incident to the operation of the pump, wherein said volumes of air and water may be so proportioned as to produce resonance in said branch at the pulsation frequency of said pump.

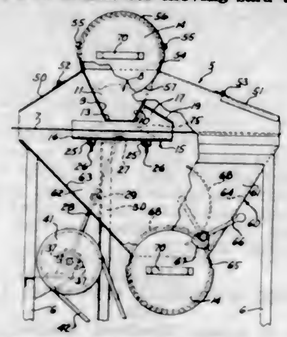
2,100,405

COATING APPARATUS

Joseph C. Morris, Verdun, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application September 2, 1936, Serial No. 99,041
9 Claims. (Cl. 91—46)

1. In an apparatus for applying powdered material to moving articles, a hopper for directing a supply of powdered material into engagement with the moving articles, a table positioned below said hopper for holding a supply of said powdered material, and means for moving said table in a



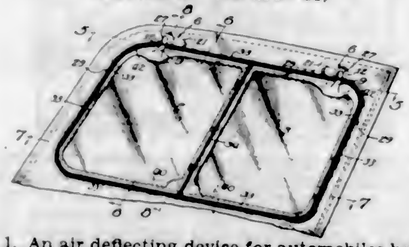
direction transverse to the direction of movement of said articles.

2,100,406

AIR DEFLECTING DEVICE FOR AUTOMOBILES

Willard L. Morrison, Lake Forest, Ill.

Application May 16, 1934, Serial No. 725,842
Renewed April 8, 1936
14 Claims. (Cl. 296—44)



1. An air deflecting device for automobiles having closed bodies and having a window opening surrounded by a window frame, comprising an air deflecting section extending in a vertical direction, when in its closed position, from the top to the bottom of the window opening pivotally supported in position in the window opening between its front and rear edges and nearer its front edge than its rear edge so as to be moved about a movable up and down axis intermediate its front and rear edges, said axis movable to various angular positions by pressure applied to said deflecting section.

2,100,407

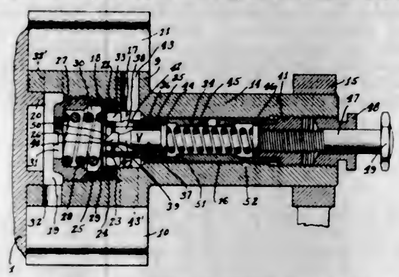
VALVING ASSEMBLY FOR HYDRAULIC SHOCK ABSORBERS

Ralph F. Peo, Carl F. Lautz, and Gervase M. Magrum, Buffalo, N. Y., assignors to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York

Application February 8, 1936, Serial No. 62,943
8 Claims. (Cl. 188—100)

1. A valving assembly for controlling the fluid flow in a hydraulic shock absorber, comprising an orifice plate having an orifice passage therethrough, a valve plug having a tapered outer end engaging in said orifice passage to define therewith an annular orifice, said valve plug being shiftable by fluid pressure in one direction for exposing more or less of its beveled end to said orifice to thereby increase the orifice area, a guide

support for said valve plug and a tension spring therein resisting axial movement of the valve plug, said orifice plate having ports therethrough independently of said orifice, a valve disc seated



against said orifice plate, a spring yieldably holding said valve disc seated for closure of said ports, said valve disc being arranged to be unseated by fluid flow in the opposite direction for exposure of said ports to such flow.

2,100,408

FINISH FOR FABRICS OF ORGANIC DERIVATIVES OF CELLULOSE

Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application June 18, 1935, Serial No. 27,178
12 Claims. (Cl. 91—68)

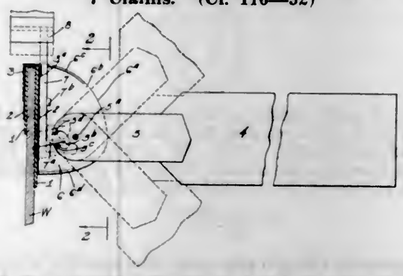
1. In a method of finishing fabrics containing derivatives of cellulose containing organic substituent groups to impart thereto a smooth hand and prevent slipping of weave and stitch distortion, the step of applying to the fabric a liquid medium comprising the resultant product obtained by mixing together in a liquid a resinous material, an alkaline material and sodium silicate.

2,100,409

VEHICLE DIRECTION SIGNAL

Donald C. Porter, San Diego, Calif.

Application November 26, 1935, Serial No. 51,617
7 Claims. (Cl. 116—52)



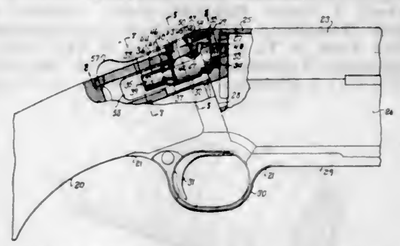
1. In a vehicle direction signal, the combination with a conventional closed vehicle door, with an upwardly and downwardly shiftable window, of a bracket mounted tightly on the upper edge of said window, a second bracket secured thereto and extending from one side thereof, a signal arm with one end pivotally mounted in said second bracket, and a signal arm shifting bar reciprocally mounted in said second bracket for engagement with said signal arm at one end and engageable with the upper inner edge of the door at its upper end.

2,100,410

TAKE-DOWN FIREARM

Edwin Pugsley, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland

Application June 16, 1936, Serial No. 85,476
6 Claims. (Cl. 42—75)



1. A take-down firearm including in combination: a butt-unit having a frame-member organized therewith; a barrel-unit separable from the said butt-unit and having a rigid frame-member interfitting with the frame-member of the said butt-unit; the frame-member of one of the said units being provided with a threaded portion for the reception of an adjustable coupling-abutment; and releasable coupling-means for holding the two said units in assembled relationship, including a threaded coupling-abutment having threaded engagement with the aforesaid threaded portion of one of the frame-members, the said coupling-means also including an oscillating coupling-lever mounted on the exterior surface of the frame-member complementing the frame-member carrying the said coupling-abutment, the said coupling-lever having a rigid coupling-cam directly engageable with the said threaded coupling-abutment.

2,100,411

METHOD OF INCREASING THE CORROSION RESISTANCE OF ALUMINUM ALLOYS AND PRODUCTS RESULTING THEREFROM

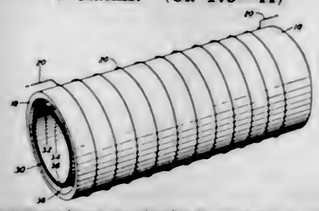
Otto Reuleaux, Hanover, Germany, assignor to Vereinigte Leichtmetall-Werke Gesellschaft mit beschrankter Haftung, Hanover, Germany, a corporation of Germany

No Drawing. Application October 15, 1935, Serial No. 45,120. In Germany October 16, 1934
4 Claims. (Cl. 148—32)

1. The process for producing a high strength integral corrosion resistant aluminum article containing an appreciable amount of copper and having a surface hardness greater than and a corrosion resistance substantially equal to that of pure aluminum which comprises welding a very thin layer of pure aluminum to a core of aluminum-copper alloy of the age-hardening type to form a composite article having (1) a high strength, corrodible core, (2) a low strength, corrosion resistant coating, and (3) a bond containing copper and uniting said core and said coating and having a thinness approximating that of a conventional bond; heat treating said composite article at an annealing temperature beyond the usual annealing time for a period up to 30 minutes to cause accentuated diffusion of said copper throughout said coating; stopping said heating just prior to the occurrence of the copper in the surface skin of said coating whereby the bond and coating substantially disappear and an integral article is formed having high strength and having copper diffused substantially throughout the same except in the surface skin which is

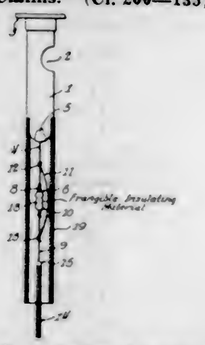
practically devoid of copper and which has a hardness greater than that of pure aluminum and a corrosion resistance practically that of pure aluminum.

2,100,412
TEMPERATURE-COMPENSATED DEVICE
Herbert J. Scott, Oakland, Calif., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 9, 1935, Serial No. 5,873
7 Claims. (Cl. 178—44)



2. Temperature controlled electrical apparatus comprising a metallic tube, and means including a metallic tubular cylinder disposed in radially variable spaced parallel relation with said metallic tube and having sufficient surface area for controlling the capacity of said metallic tube in a selected manner in accordance with temperature change and means for slidably adjusting said cylinder axially with respect to said tube.

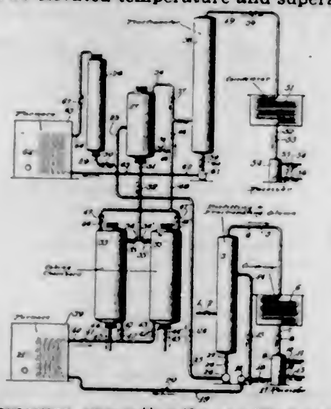
2,100,413
FUSE LINK FOR EXPULSION FUSES
Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 21, 1936, Serial No. 70,117
14 Claims. (Cl. 200—135)



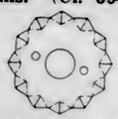
1. A fuse link including an insulated strain section shunted by a fuse wire, said section including a frangible insulator, in combination with an insulating tube mounted on said link and surrounding said strain section and fuse wire, said tube being secured to said fuse link, whereby said fuse wire is not subjected to destructive mechanical stresses.

2,100,414
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 15, 1933, Serial No. 680,556
8 Claims. (Cl. 196—49)

1. A process for the conversion of hydrocarbon oils which comprises separating, by distillation, hydrocarbon oil charging stock for the process into low-boiling and high-boiling fractions, further separating from the high-boiling fractions any heavy components of a residual nature unsuitable for conversion at elevated temperature and superatmospheric pressure, subjecting the latter to coking at low-pressure, subjecting the remaining lower boiling components of said high-boiling fractions of the charging stock to conversion at elevated temperature and superatmospheric pressure, separating the resulting vaporous and residual liquid conversion products, subjecting the latter to coking together with said heavy residual components of the high-boiling fractions of the charging stock, subjecting low-boiling fractions of the charging stock to independently controlled more severe conversion conditions and contacting the resulting highly heated products with the residual materials undergoing coking for the purpose of assisting their reduction to coke.



2,100,415
WOOD JOINING ARTICLE
Olav Trygve Theodorsen, Oslo, Norway
Application May 28, 1935, Serial No. 23,956
In Germany March 30, 1935
3 Claims. (Cl. 85—11)



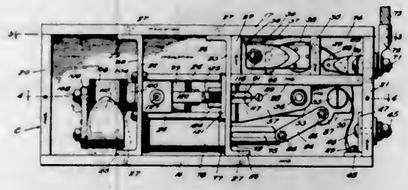
1. A wood joining article comprising a plate in the form of a regular star and having slits extending inwardly from the points of the star and bisecting the angles thereof to provide teeth, the angles of the teeth being less than

$$\frac{(n-2)\ .180^\circ}{2n}$$

degrees in which n represents the number of star points bent out from the plane of the plate alternately to both sides.

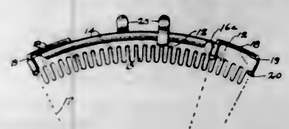
2,100,416
SAFETY DEVICE FOR AIRCRAFT AND OTHER CONVEYANCES
John E. Torbert, Jr., National City, Calif.
Application July 13, 1936, Serial No. 90,408
18 Claims. (Cl. 244—1)

17. In a safety apparatus for vehicles, an element mounted for movement into and out of a set position, a latch for releasably securing said element in a set position, and means for moving said latch out of position to secure said element, said means mounted for swinging and universal



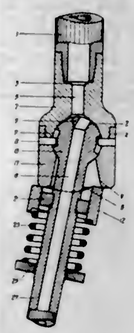
tilting movement about the latch and moved in a direction to move the latch to a releasing position by a jolt caused by sudden stopping of a moving vehicle.

2,100,417
HAIR WAVER
Maggie T. Viggers, Lafayette, Colo.
Application May 7, 1937, Serial No. 141,215
7 Claims. (Cl. 132—38)



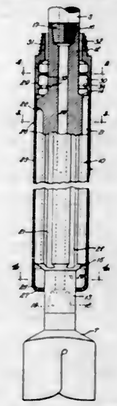
1. A comb for use in a hair waving device having two substantially identical combs hingedly connected at their ends by links of equal length, said comb having its ends formed with tubular projections forming hinge bearings.

2,100,418
ORIENTING DEVICE FOR BOREHOLE DEFLECTING TOOLS
Alexander G. Weilkanov, San Francisco, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 12, 1937, Serial No. 147,904
5 Claims. (Cl. 255—1)



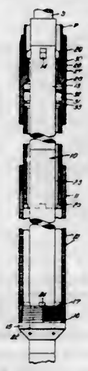
1. In a method for orienting in an inclined borehole a deflecting drilling tool comprising a universal joint provided with marking means indicating the deflection plane of said joint, the steps of lowering said tool in a flexed position into a borehole on a drill string, lowering into the drill string a clinometer capable of indicating the deviation plane of the borehole and adapted to receive an impression from the marking means on the universal joint when said joint is flexed, and recording the angular displacement in a horizontal plane of the deviation plane of the borehole with the deflection plane of the universal joint.

2,100,419
DRILL COLLAR FOR WELL DRILLING STRINGS
Jesse C. Wright, Los Angeles, Calif.
Application November 14, 1936, Serial No. 110,819
17 Claims. (Cl. 255—28)



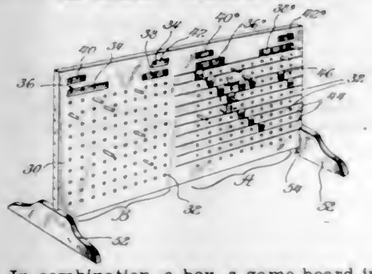
1. A drill collar for use in a drilling string including, a body to be connected in the drilling string and having a passage for conducting the circulation fluid, a fluid duct separate from said passage and vertically spaced openings for discharging fluid from said duct, and means associated with the body for receiving flushing fluid from a wash-over pipe and delivering it to the duct.

2,100,420
DRILL COLLAR FOR DRILLING STRINGS
Jesse C. Wright, Los Angeles, Calif.
Application November 14, 1936, Serial No. 110,820
18 Claims. (Cl. 255—28)



1. A drill collar including, a body to be connected in a drilling string, a ported tubular member surrounding and secured to the body, and a valve tube entering the member to supply fluid thereto and shiftable to control its ports.

2,100,421
GAME
Benjamin F. Wupper, Park Ridge, Ill.
Application March 14, 1932, Serial No. 598,562
15 Claims. (Cl. 273—130)

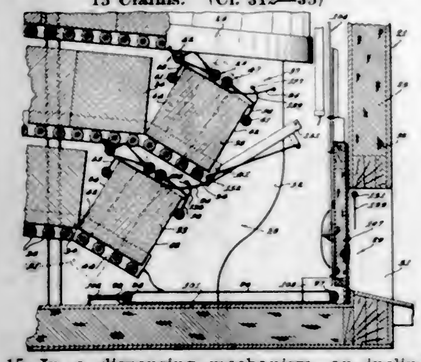


1. In combination, a box, a game board in the form of a cover for said box, and a pair of supports for said cover pivoted on said box and arranged to be folded within the latter.

2,100,422
PRESERVING AND WRAPPING CHEESE
Herman Wyssbrod, Louisville, Ky.
No Drawing. Application December 10, 1936, Serial No. 115,266
2 Claims. (Cl. 99—178)

1. The method of preserving the freshness of Swiss cheese which comprises removing all rind and mold from the cheese, applying a light covering of salt to the surfaces of the cheese, wrapping the salted cheese in a cloth previously moistened with white wine, further wrapping the cheese in a second cloth previously moistened with glycerine and thereafter sealing said wrapped cheese in an impervious wrapper.

2,100,423
DELIVERY MECHANISM FOR ICE VENDING MACHINES
Maxwell T. Zeigler, Huntington Park, Calif., assignor, by mesne assignments, to Zeigler Packaged Ice Machinery Corporation, Huntington Park, Calif., a corporation of California
Application January 21, 1932, Serial No. 587,954
15 Claims. (Cl. 312—35)



15. In a dispensing mechanism, an inclined chute having its lower end of greater inclination than the balance of the chute, rock shafts rotatably mounted over the lower end of the chute, arms carried by the rock shafts engageable with the front and back sides of an article positioned on the lower end, and means for rotating the rock shafts independently of each other so as to swing the arms into and out of the path of an article passing along the chute.

2,100,424
WALL OR FLOOR STRUCTURE AND SECURING MEANS
Le Roy B. Bachelder, Dayton, Ohio
Application September 18, 1936, Serial No. 101,447
12 Claims. (Cl. 72—19)



1. The method of assembling a wall or floor structure, made up of slabs of material having recesses in their marginal faces intermediate the front and back planes of the slab, with a fastening means having a shank and a head complemental to the recesses in the marginal faces of the slabs which comprises positioning a slab against a suitable backing, driving the shank of the fastening means into the backing until the head of the fastening means is in substantial alignment with a recess in the marginal face of the slab, and then bending the shank of the fastening means until a portion of the head thereof is disposed in the recess.

2,100,425
LACQUER SOLVENT AND THINNER
Franklin A. Bent and Simon N. Wik, Berkeley, and William Ponig, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application August 8, 1936, Serial No. 94,919½
9 Claims. (Cl. 134—79)



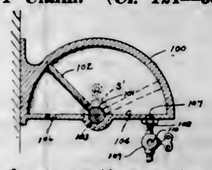
1. A liquid solvent mixture suitable for the manufacture of lacquers and lacquer thinners which has a high solvent power for cellulose ethers, esters and ether-esters and forms therewith solutions of high concentration and low viscosity characterized by having a smooth evaporation curve over a wide range and high resistance to humidity during drying resulting in the deposition of films of the cellulose derivative which are clear, tough, homogeneous and substantially devoid of blush, said solvent mixture consisting of from 3% to 74% by weight of a mixture of ketones having a smooth evaporation curve, from 1% to 50% by weight of an alcohol, and from 25% to 83% by weight of a conventional liquid hydrocarbon diluent material, the alcohol-content and the hydrocarbon-content of the mixture having evaporation rates similar to the evaporation rate of the ketone mixture, said solvent mixture having ketone mixture and hydrocarbon diluent ranges of 3% to 55% by weight and 44% to 83% by weight, respectively, when the diluent is an aromatic hydrocarbon, and ketone mixture and hydrocarbon diluent ranges of 14% to 74% by weight and 25% to 45% by weight, respectively, when the diluent is an aliphatic hydrocarbon, whereby the solvent mixture is evaporative without any substantial variation in the ketone to alcohol ratio therein.

2,100,426
ELECTRIC SERIES-PARALLEL SWITCH
Arthur F. Berger and Max Voege, Dayton, Ohio, assignors to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application July 20, 1935, Serial No. 32,430
4 Claims. (Cl. 200—6)



1. A circuit changer switch for alternating the connection of electrical elements from parallel relation to series relation and vice versa, including a recessed circular housing, a series of electrical contacts arranged in spaced circular sequence, and connected with different electrical elements, a cap for the housing having limited rotative engagement therewith, a pair of bridging members carried by the housing cap and by rotation thereof engageable with different pairs of contacts, an internal marginal flange on said housing cap a shouldered projection upon the exterior of the housing beneath which the flange is engageable to retain the cap and housing in assembled relation, spaced recesses on the interior of the cap, and a projection integrally formed on the housing engageable in the recesses alternately upon relative rotation of the cap and housing to temporarily hold the cap and bridging elements carried thereby in their adjusted position.

2,100,427
AUTOMATIC GLARE SHIELD
Samuel J. Blocker, Dallas, Tex.
Application September 20, 1935, Serial No. 41,457
1 Claim. (Cl. 121—38)



A motor for operating motor vehicle glare shields and the like, said motor comprising a substantially semi-cylindrical casing having end walls, a rock shaft for said motor, the ends of said shaft extending outwardly of the casing through openings in said end walls thereof, the floor of said casing between said openings being formed to provide a bearing seat for said shaft, a vane rigidly carried by said shaft within said casing, said vane having a fluid-tight engagement with said end walls and the cylindrical top of said casing, a fluid line connection in the floor of said casing at one side of said shaft to provide means for actuating said vane in one direction, the floor of said casing on the other side of said shaft being formed to provide an opening therein for the maintenance of atmospheric pressure in said casing on that side of said vane, a coil spring about one extended end of said shaft and anchored thereto and to the adjacent end wall of said casing and tending to actuate said shaft and vane in the other direction, the portion of the other end wall of said casing through which said other end of said shaft extends being formed to provide a boss, a set screw threaded in said boss and movable to engage said shaft extension whereby to lock said shaft and vane in a selected position, and a side portion of said casing being formed to provide means for attaching said casing to a plane surface with said bottom at right angles to said surface.

2,100,428
FISHING ROD AND REEL
Albert Johnston Bond, Mercedes, Tex., assignor of forty-nine percent to Lewie H. Henry, Mercedes, Tex.
Application December 21, 1936, Serial No. 117,084
4 Claims. (Cl. 43—20)



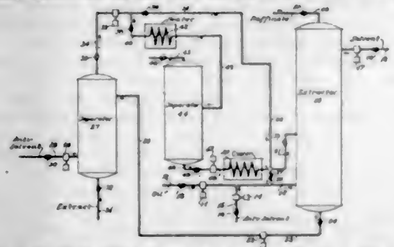
1. The combination with a fishing rod having a butt section in the form of a fishing reel having two reeling spools and an endless belt or chain connecting said spools, of a retrieving or cat-head spool, a fishing line passing about said cat-head spool a plurality of times and passing to and attached at one end to said endless belt or chain, and manually operable means for simultaneously driving one of said first-named spools and said cat-head spool at the same speed.

2,100,429
PROCESS FOR SOLVENT EXTRACTION OF OILS
Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application April 10, 1934, Serial No. 719,910
11 Claims. (Cl. 196—13)

1. A process for the solvent extraction of oil by a selective solvent into an extract phase comprising oil dissolved in said solvent and a raffinate phase substantially insoluble in said solvent which comprises commingling with the oil to be extracted an anti-solvent soluble in said extract phase and adapted to form a two phase system with the raffinate and countercurrently extracting said mixture with said selective solvent, separating extract phase from raffinate phase and rejecting an intermediate raffinate from said extract phase by commingling said extract phase with an anti-solvent substantially soluble in said rejected intermediate raffinate.

10. A process for the separation of oil containing paraffinic and non-paraffinic constituents into fractions relatively more paraffinic and frac-

tions relatively less paraffinic than the original oil which comprises, commingling said oil with a selective solvent for the relatively less paraffinic oil fractions and thereby forming a raffinate phase containing the relatively more paraffinic oil fractions and an extract phase containing the relatively less paraffinic oil fractions dissolved in the selective solvent, separating said phases, contacting the extract phase with a liquefied normally gaseous hydrocarbon and thereby dissolv-



ing the relatively more paraffinic oil fractions present in the extract phase, separating the liquefied normally gaseous hydrocarbon solution of the relatively more paraffinic oil fractions from the remaining extract phase, removing substantially all of the liquefied normally gaseous hydrocarbon from the oil fractions recovered from the extract phase and returning said oil fractions recovered from said extract phase to the oil feed entering the extraction system.

2,100,430

MANUFACTURE OF SOLES

Ernest Lindon Butler, Lynn, and Joseph Harrington, Jr., Wenham, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 16, 1936, Serial No. 59,442

7 Claims. (Cl. 12—146)



1. That improvement in the art of making a complemental insole-outsole combination consisting of an outsole having a projection on its forepart and an insole having a correspondingly located complemental recess, which comprises removing material from an outsole blank to even it, assembling the outsole blank and an insole blank in superposed relation with an adhesive substance between them, compressing the laminated blank, removing material from the insole layer to even the laminated blank, and splitting the laminated blank into the complemental insole-outsole combination.

2,100,431

SPLITTING MACHINE

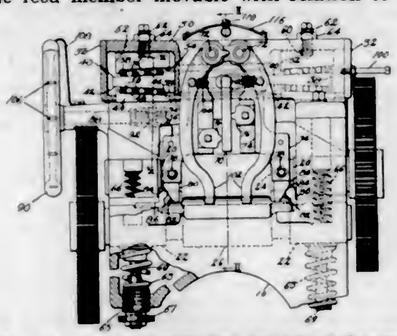
Thomas B. Clarke and Hubert Boothroyd, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 23, 1936, Serial No. 86,827

In Great Britain July 16, 1935

8 Claims. (Cl. 69—13)

1. In a splitting machine, a fixed knife provided with an elongated cutting edge, a feed member, means for initially adjusting said feed member with relation to the cutting edge of the knife to provide a gap of predetermined width in accordance with the desired thickness of a piece of material to be trimmed from a work-piece, a yieldable feed member movable with relation to the



knife in accordance with the density of the workpiece fed by said members past the knife, and mechanism for causing movement of the yieldable feed member in one direction to effect a proportionately less movement of the other feed member in an opposite direction.

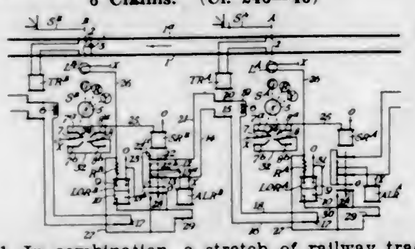
2,100,432

RAILWAY SIGNALING SYSTEM

Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Original application June 10, 1936, Serial No. 84,498. Divided and this application April 10, 1937, Serial No. 136,118

6 Claims. (Cl. 246—46)



1. In combination, a stretch of railway track divided into blocks, a relay associated with each block, each said relay having two windings, a signal for each block controlled by traffic conditions in advance and by the associated relay and including a lamp which at times becomes lighted to cause the signal to display an indication, a constantly closed checking circuit for each lamp including the one winding of the associated relay and effective for energizing the associated relay but not for energizing the associated lamp, and means effective when a train approaches a signal for connecting the other winding of the associated relay in parallel with the one winding to thereby cause the signal lamp to become lighted.

2,100,433

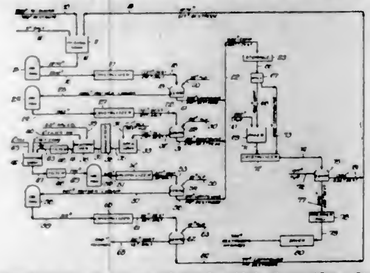
PRODUCTION OF DEXTROSE

Julian K. Dale, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware

Application October 4, 1935, Serial No. 43,562

9 Claims. (Cl. 127—40)

5. The process of recovering dextrose from an impure solution, which comprises mixing the impure dextrose solution with salt in an aqueous medium, concentrating the aqueous medium to a density of the order of 43 to 44° Bé., subjecting the resulting aqueous solution of salt-dextrose compound to crystallization at a temperature of between 45 and 70° F. over a period of from 35 to 40 hours, centrifuging the crystalline salt-dextrose compound to free the same from its mother liquor, subjecting the mother liquor to an additional concentration and crystallization, centrifuging the crystallized mother liquor to produce a second quantity of salt-dextrose compound and a second mother liquor, subjecting said second mother liquor to conversion, concentration and crystallization, centrifuging the crystallized second mother liquor to produce a third quantity of



salt-dextrose compound and a third mother liquor, subjecting said third mother liquor to concentration and crystallization, centrifuging the crystallized third mother liquor to produce a fourth quantity of salt-dextrose compound, mixing said fourth quantity of compound with additional dextrose and salt for re-processing, subjecting the other of said quantities of said salt-dextrose compound to a water extraction in which the compound is added to the extraction water at a rate sufficiently slow to produce only a small degree of supersaturation in the extraction liquid, centrifuging the resulting crystallized dextrose, and including the liquor from said last named centrifuging with the fourth quantity of salt-dextrose compound.

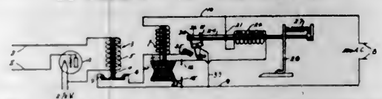
2,100,434

SOUND-CONTROLLED ACTUATING MECHANISM

G. Howlett Davis, Jr., Detroit, Mich.

Application November 14, 1933, Serial No. 698,021

13 Claims. (Cl. 179—100.4)



1. In combination, an actuating mechanism adapted to operate another apparatus, means for setting said mechanism in motion, said means being operable by the effect produced by the traveling of a reproducer needle in a blank groove, with no recorded frequency, formed in a sound record, said apparatus being inoperative on the relative movement between said needle and recordings on said record.

2,100,435

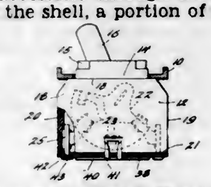
ELECTRIC SWITCH

Victor R. Despard, Syracuse, N. Y., assignor to Pass & Seymour, Inc., Syracuse, N. Y., a corporation of New York

Application April 6, 1934, Serial No. 719,383

12 Claims. (Cl. 200—67)

10. In an electric switch, in combination, a shell of insulating material having an apertured front wall and an open back for the insertion of switch mechanism, a combined contact and wire terminal device within the shell and adjacent an end thereof, the wire terminal portion of the device being accessible through an opening in the said end of the shell, a portion of said device en-



gaging in a recess in the shell, said device having an extension reaching beyond the plane of the back of the shell, a closure plate for the open back of said shell having engagement with said extension, and means holding said plate to said shell.

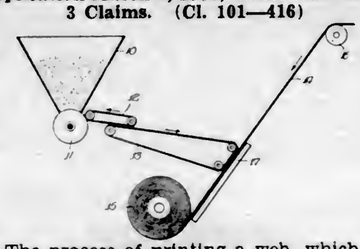
2,100,436

PRINTING

William H. Engel, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware

Application March 1, 1937, Serial No. 128,336

3 Claims. (Cl. 101—416)



3. The process of printing a web, which comprises printing the web with a relatively slow-drying ink, magnetically depositing particles of a ferrous metal on said web, winding the web into roll form to permit said ink to dry, unwinding the roll, and magnetically removing said particles therefrom.

2,100,437

PROCESS FOR THE PRODUCTION OF ANHYDROUS HYDROCARBON DERIVATIVES

William Engs, Oakland, and Gerald Henry van de Griendt, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application October 13, 1936, Serial No. 105,394

11 Claims. (Cl. 260—156)

1. In a process of producing a substantially anhydrous oxygen containing derivative of an olefine having at least four carbon atoms per molecule, the steps of removing water from the aqueous derivative by mixing therewith hydrocarbon in the liquid state containing said olefine, subsequently distilling a mixture of said derivative and said hydrocarbon to drive over water and said hydrocarbon, recovering the substantially dry olefine derivative as bottom product and using the olefine containing hydrocarbon distilled off as a source of further olefine derivative.

2,100,438

METHOD FOR MAKING STOP COCKS

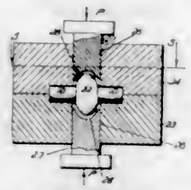
Edward E. Forrester, Denver, Colo.; Irene Forrester executrix of Edward E. Forrester, deceased

Application August 10, 1936, Serial No. 95,149

2 Claims. (Cl. 29—157.1)

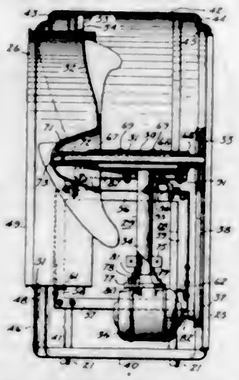
1. The method of making a stop cock body from

a tubular member of ductile metal comprising the steps of expanding a section of the tubular member at substantially its middle portion to produce a circular enlargement concentric with the member, subjecting the circular enlargement to deforming pressure on diametrically opposite points for changing the enlargement to a transversely extending tapered chamber substantially circular in a plane perpendicular to the axis of the tubular member, confining the member in a die having a cavity of the size and shape of the body desired, inserting into and against the ends of the



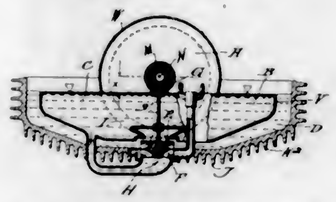
member shape forming plugs, thereby subjecting the ends to a compressive pressure producing a stress beyond the elastic limit of the metal whereby the body will be shortened, the wall thereof thickened and forced against the outside of the plugs and simultaneously therewith subjecting the interior of the member to a hydraulic pressure producing a stress beyond the elastic limit of the metal whereby the body will be expanded and forced against the inside of the cavity to assume the shape of the latter and whereby the inside of the member will be given a shape conforming to the shape of the plugs.

2,100,439
BLOWER OR FAN
Arthur Friedman, Shaker Heights, Ohio, assignor to Air Controls, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 14, 1935, Serial No. 40,558
4 Claims. (Cl. 230—117)



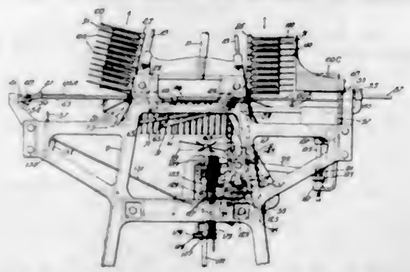
1. A blower comprising in combination, a sheet metal casing having side, top and bottom walls, the rear and front of said casing being open for the ingress and egress of air; a frame within the casing including horizontally extending bracing elements disposed along the side walls of the casing, and horizontally extending bracing elements disposed between the top and bottom walls of the casing and extending between the side walls; said last named bracing elements being connected to said first named bracing elements to form said frame, means for connecting said frame to said casing; a fan and power unit disposed within the casing; said unit including a shaft bearing, a shaft journaled therein, a fan and a driven element carried by the shaft, a motor for driving the driven element and carried by the bearing; and means for resiliently supporting the bearing on said frame.

2,100,440
LATERAL FLUID CONTAINER FOR HYDRAULIC TRANSMISSIONS
Dietrich Gössler, Heidenheim (Brenz), Germany
Application April 30, 1936, Serial No. 77,247
In Germany April 25, 1935
4 Claims. (Cl. 60—54)



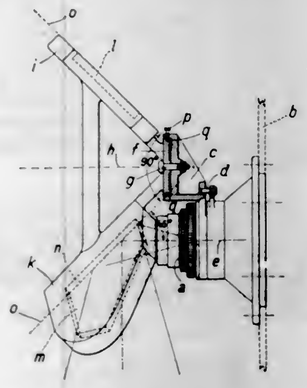
1. In a hydraulic transmission, a hydraulic circuit including a hydraulic power transmitter, an outer fluid container extending laterally of said power transmitter on opposite sides thereof, an inner fluid container arranged within said outer fluid container, a pump for pumping fluid between said outer container and said inner container, and a second pump for pumping fluid between said inner container and said power transmitter.

2,100,441
DRIER
Chester W. Greene, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 20, 1935, Serial No. 41,434
7 Claims. (Cl. 198—24)



1. A machine of the class described having, in combination, a conveyor provided with article carriers, said conveyor having upwardly and downwardly traveling runs, means for operating the conveyor, spaced supporting rods extending lengthwise of the machine in proximity to the runs, feeding means one for feeding articles to be dried into the path of the carriers and one for feeding dry articles out of the path of the carriers, said feeding means being slidably mounted on the rods, and means for operating said feeding means in timed relation to the operation of the conveyor.

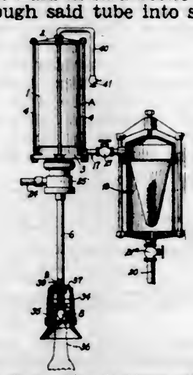
2,100,442
REFLECTING SYSTEM FOR OBJECTIVES OF REPRODUCTION CAMERAS
Carl Herrmann, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application November 27, 1936, Serial No. 113,070
In Germany April 17, 1936
2 Claims. (Cl. 88—74)



1. A reflecting system, comprising a carrier, means for attaching this carrier to the objective of a reproduction camera, a disc mounted on the said carrier and rotatable about an axis, two holders attached to the said disc, a plane reflector disposed on the one of the said holders, and a roof-edge reflector consisting of two plane mirrors inclined to each other at an angle of 90° and being disposed on the other of the said holders, the edge in which the two plane mirrors of the roof-edge reflector touch each other lying on a conical surface whose axis coincides with the axis of rotation of the said disc, the said plane reflector touching a generatrix of the said conical surface, the optical axis of the said objective intersecting one of the generatrices of the said conical surfaces at an angle of 45°, this optical axis intersecting the said plane reflector when this plane reflector assumes operative position, in which the said one generatrix lies on the said plane reflector, and intersecting the edge in which the two mirrors of the said roof-edge reflector touch each other when this roof-edge reflector assumes operative position, in which the said one generatrix coincides with the said edge, the said reflectors, when in operative position, facing the said objective.

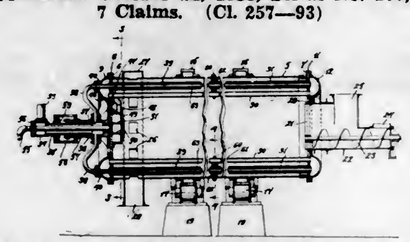
2,100,443
BOTTLE EMPTYING AND BEVERAGE RECLAIMING DEVICE
Julius H. Kintzele, St. Louis, Mo.
Application March 27, 1935, Serial No. 13,233
7 Claims. (Cl. 221—74)

3. A device for the purpose described comprising a normally closed tank to receive and maintain under pressure fluid from a bottle being emptied, a tube adapted to be positioned in said bottle during the emptying operation and having its upper end opening into said tank above the bottom thereof but at a point substantially below the top thereof whereby air in said tank will be trapped in the upper part thereof by fluid entering said tank, means for passing air under pressure into said bottle above the level of fluid therein whereby the fluid in said bottle will be forced upwardly through said tube into said tank, and



a duct leading from the bottom of said tank to carry therefrom fluid emptied from a bottle.

2,100,444
ROTARY DRIER
Charles O. Lavett, Buffalo, N. Y., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y., a corporation of New York
Application October 24, 1936, Serial No. 107,463
7 Claims. (Cl. 257—93)

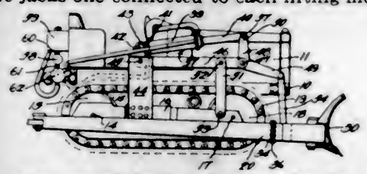


1. A tubular rotary drier, comprising a rotary shell having end heads, each of which is formed to provide an annular header, an annular series of tubes in said shell connecting said headers, said series of tubes being spaced from the axis of said shell so as to provide a relatively large, unobstructed central passage through said shell, a steam pipe connected at one end to one of said headers and extending through the center of one of said tubes to the opposite header to discharge steam therein for distribution to said tubes, an external steam conduit extending radially outward from the axis of said shell and supplying steam to said steam pipe, means for removing the condensate from the header having said steam pipe connection whereby the flow of steam, condensate and non-condensible gases through said tubes is concurrent and means for admitting the materials to be dried into said shell and removing the dried materials therefrom.

2,100,445
TRAIL BUILDER
Charles Le Bleu, Los Angeles, Calif.
Application April 2, 1935, Serial No. 14,235
13 Claims. (Cl. 37—144)

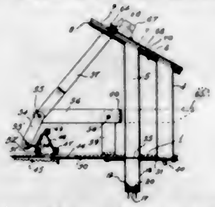
9. A machine for moving dirt and the like comprising a tractor, track laying units disposed at the opposite sides thereof and pivoted with relation to the tractor adjacent the rear ends thereof, a blade disposed transversely of the front of the tractor structure, a blade frame substan-

tially U-shaped to extend across the front of the tractor and along opposite sides thereof and to the front of which the blade is secured, means articulately connecting the blade supporting frame to the rear of the tractor for vertical movement and transverse tilting movement, lifting means disposed at opposite sides of the tractor and articulately connected with the blade supporting frame to move the same, a pair of hydraulic jacks one connected to each lifting mech-



anism, a source of fluid under pressure for said jacks, valve means for controlling the flow of pressure fluid to the jacks for simultaneously actuating both of the jacks in the same direction in lifting and lowering the blade supporting frame, valve means for simultaneously actuating said jacks in opposite directions, and means whereby pressure applied by the blade to the jacks will cause an adjustment of fluid within and between said jacks to maintain the blade in its transverse set position.

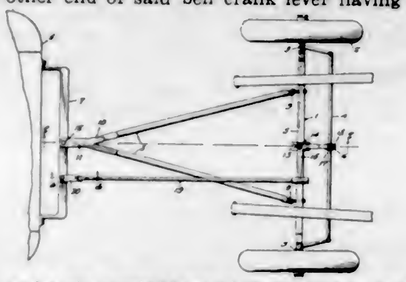
2,100,446
COIN REGISTER
Murdock Macdonald, Cleveland Heights, Ohio
Application September 10, 1935, Serial No. 39,946
2 Claims. (Cl. 194—8)



1. In a coin register, the combination of a dual coin receiving passage of two different widths, the larger for the passage of correct size coins and the smaller for the passage of incorrect size coins, indicating means connected to the larger width passage for signalling the insertion of correct size coins in said dual passage, and a second indicating means located below and adapted to receive coins from the smaller width passage for signalling the insertion of incorrect size coins in said dual passage.

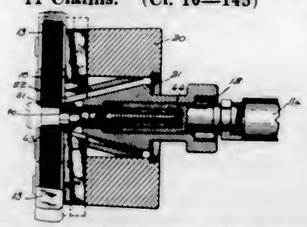
2,100,447
TRAILER HITCH
Lester L. Mahaffey, Carrier, Okla.
Application December 16, 1935, Serial No. 54,745
1 Claim. (Cl. 280—33.55)

A trailer hitch comprising a V-shaped tongue having its ends pivotally and detachably connected to an axle of a trailer, a bifurcated plate secured to the apex of the tongue, an attaching bar secured to a towing vehicle and having the bifurcated plate pivotally and detachably connected thereto, a steering bar detachably and pivotally connected to the attaching bar, a bell crank lever pivoted to the axle of the trailer, a ball and socket joint connecting one end of the bell crank lever to the steering bar, a clamp secured to a steering mechanism of the trailer, the other end of said bell crank lever having a



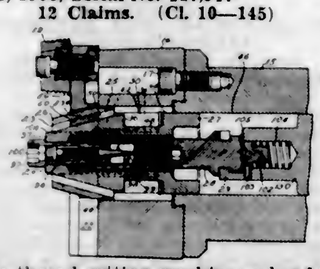
slot, and a pin carried by said clamp and extending through the slot.

2,100,448
COLLAPSIBLE TAP
Frederic Nell, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application February 5, 1935, Serial No. 5,129
11 Claims. (Cl. 10—145)



1. In combination a tap head, radially movable chasers in said head, an operating member for moving said chasers, said operating member when in one position serving to maintain the chasers in operative relation and retractible to a position where the chasers may be removed from the head, a rod upon which said operating member is movably mounted, and a member adjustably connected with said rod with which said operating member is adapted to abut for determining the operative positions of the chasers.

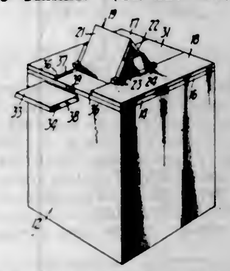
2,100,449
THREAD FORMING MECHANISM
Frederic Nell, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Original application June 16, 1936, Serial No. 85,563. Divided and this application December 28, 1936, Serial No. 117,947
12 Claims. (Cl. 10—145)



1. In a thread cutting machine; a head having a plurality of radially extending guideways there-

in; a plurality of chasers slidably mounted in said guideways; an axially shiftable control member mounted in said head; a plurality of radial projections on said control member having inclined camming wings thereon; inclined surfaces on said member cooperating with said camming wings to form a plurality of inclined cam grooves; said chasers being provided with projections interlocked with said cam grooves; means for moving said control member to slide said chasers in said guideways; said movement terminating in each direction with said chaser projections interlocked with said grooves; means for causing relative movement between said moving means and said control member to release said chaser projections from said groves; said inclined surfaces being extended beyond said radial projections to support said chasers with their projections aligned with said grooves when in released position.

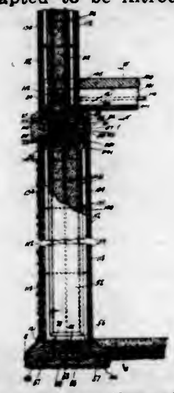
2,100,450
CARBOY CAP CONSTRUCTION
Peter Nelson, San Francisco, Calif., assignor to Stauffer Chemical Company, a corporation of California
Application September 5, 1936, Serial No. 99,580
5 Claims. (Cl. 217—56)



1. In combination, a carboy casing having a top thereon through which projects a carboy neck, a cap for said neck, including two angularly positioned members secured together with an end of each member in angular abutment with an end of the other member, a pair of strips extending across said top to cover said top and along each side of said cap, an end closure secured to said top and abutting one of said cap members and positioned between said strips to cover said top, and another end closure slidable on said top and between said strip members to latch and release said cap and cover said top, said strip members extending over a portion of said slidable closure on opposite sides thereof to restrict movement of said slidable closure to a sliding movement between said strip members parallel to the plane of said top.

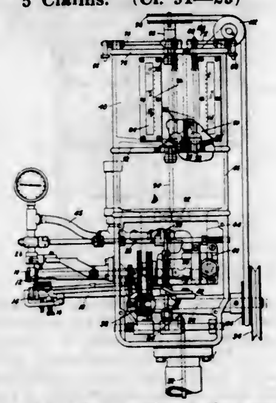
2,100,451
BUILDING CONSTRUCTION
Layton M. Parkhurst, Lackawanna, N. Y., assignor to National Parkhurst Systems, Inc., Lackawanna, N. Y., a corporation of New York
Application April 10, 1935, Serial No. 15,601
9 Claims. (Cl. 72—1)

1. A building construction including adjacent concrete members reinforcements embedded in said concrete members and the reinforcement in one concrete member having an eye-shaped coupling which overlaps the correspondingly shaped coupling of the reinforcement in the other concrete member, a tubular locking pin arranged in a socket formed in said concrete members and passing through the eye couplings of the reinforcements therein and provided with openings leading from its bore to its periphery, and a cement filling adapted to be introduced into the



bore of said pin and pass through the openings thereof and into the space between said pin, eye couplings and concrete members for sealing the joints between the same.

2,100,452
CEMENTING MACHINE
Clifford Roberts, Winchester, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 27, 1936, Serial No. 92,791
5 Claims. (Cl. 91—25)

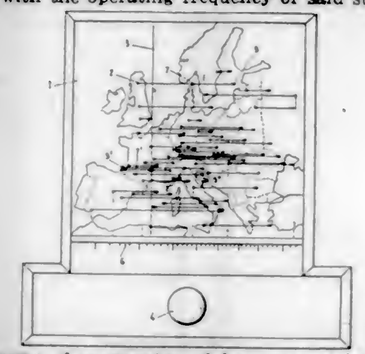


3. In a machine for coating a shoe part, an applying device, a mixing chamber connected to said applying device to supply coating material thereto, a removable cover for said mixing chamber supporting supply reservoirs formed integrally with said cover, a cover for said reservoirs, and an agitator for said mixing chamber having a shaft journaled in the covers of said mixing chamber and reservoirs respectively.

2,100,453
TUNING DIAL FOR RADIO SETS
Umberto Quintavalle, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy, a company of Italy
Application December 8, 1936, Serial No. 114,819
In Italy December 20, 1935
7 Claims. (Cl. 116—124.1)

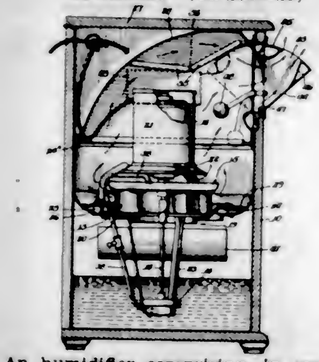
1. In a radio receiving set, a dial having a geographical map thereon, a spot on said map in

register with the geographical location of a sending station, a mark having a position corresponding with the operating frequency of said station



by terms of progression of frequency, a leading line connecting said spot and mark and a pointer movable in progression of frequency across said dial.

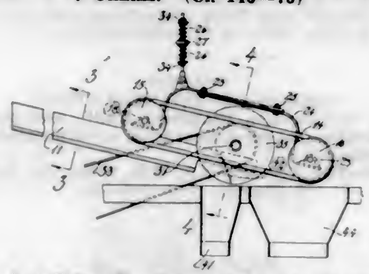
2,100,454
HUMIDIFIER
Simon E. Schroeder, Chicago, Ill.
Application October 19, 1931, Serial No. 569,587
Renewed June 15, 1936
10 Claims. (Cl. 261—29)



1. An humidifier comprising, in combination, a casing having an inlet and an outlet opening in its lower and upper portions, a circumferential flange within the casing positioned intermediate the inlet and outlet openings, operating mechanism within said casing comprising a spray forming device, power means for driving said device, means for supplying water to said device, and a fan inducing a flow of air through said casing, a frame uniting the operating mechanism into a unitary structure and resting on said flange removably to support the mechanism with said fan substantially at the level of said flange, and an annular member secured to said frame and cooperating with said flange to prevent the passage of air except through said fan.

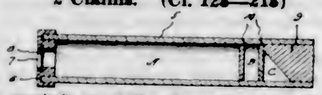
9. A cabinet type humidifier comprising, in combination, an upright casing having an inlet and an outlet opening, said outlet opening being located in the side of said casing near the top thereof, means creating a flow of air vertically upwardly through said casing, means forming a spray within said casing to add moisture to the air flowing therethrough, a hood within said casing deflecting the air flow from the vertical, outwardly through the outlet opening, and a prismatic spout-like member extending outwardly of the opening during the operation of the humidifier redirecting the air flow upwardly to remove excessive mechanically entrained moisture, said member being pivotally mounted in said opening and biased to swing to closed position flush with the side of the casing when the humidifier is inoperative.

2,100,455
FRUIT SPLITTER
Channing W. Souther, Laguna Beach, and Henry S. Farnsworth, Santa Ana, Calif., assignors to Natural Food Products Company, Orange, Calif., a corporation of Delaware
Application April 29, 1936, Serial No. 76,998
7 Claims. (Cl. 146—73)



1. A splitter for fruit having an elongated major axis, comprising: an inclined gravity feed chute having two side walls inclined at an angle to each other so as to form a V; means, in the bottom of the V, extending upwardly therein to form a ridge longitudinal of the chute, said ridge being in the more elevated portion of the chute; and a splitting knife mounted to operate lengthwise of the chute in the less elevated portion thereof.

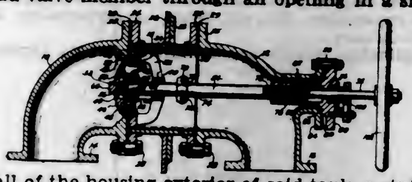
2,100,456
MEDICINAL CARRYING TUBE
Vincent Homer Spensley, Albuquerque, N. Mex.
Application November 2, 1936, Serial No. 108,887
2 Claims. (Cl. 128—218)



2. A container of the character described comprising an elongated hollow body having a closure at one end, a partition snugly disposed in the body and defining individual compartments in the tube, a longitudinally movable member disposed in the opposite end of the hollow body, said longitudinally movable member having a reduced portion defining a compartment in cooperation with the said partition, said longitudinally movable member having a protruding portion adapted to engage the partition off center to tilt the said partition as the longitudinally movable member is urged inwardly of the hollow body, thereby changing the tube from a multiple compartment container to a single compartment container and allowing the contents of the compartments to mix.

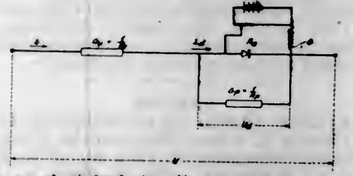
2,100,457
VALVE
Arthur J. Trott, Greensburg, Pa., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts
Application December 27, 1933, Serial No. 704,148
9 Claims. (Cl. 137—21)

1. A valve assembly for storage tanks and the like, comprising in combination, a housing secured intermediate its ends to a tank wall and projecting into said tank, said housing having an outlet exterior of said tank, a valve body secured to the housing within the tank, a valve member movable into and out of engagement with said body, a rotatable operating stem extending from said valve member through an opening in a side



wall of the housing exterior of said tank, a stuffing box member surrounding the stem and secured to the housing in sealed engagement with the said opening, packing in said stuffing box engaging said stem, a sleeve projecting from the stuffing box member into the housing but being exterior of said tank, and interengaging threaded portions on the sleeve and stem located wholly within the housing beyond said packing.

2,100,458
ELECTRICAL CIRCUIT WITH MODULATING OR RECTIFYING DEVICES
Hans Walter, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application May 18, 1934, Serial No. 726,340
In Germany May 18, 1933
5 Claims. (Cl. 250—21)



1. In an electrical circuit, a rectifying device, a resistance in series with said device, means for applying alternating current wave energy to said device and resistance, and a second resistance in parallel with said device, said resistances being so dimensioned that the conductance of the resistance in parallel with said rectifying device is practically null with respect to the applied alternating current and the conductance G_T of the resistance connected in series with said rectifying device with respect to said applied alternating current is determined by the expression

$$\frac{2\beta^2_d}{\gamma_d} - \alpha_d$$

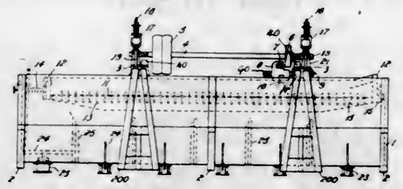
wherein α_d, β_d, γ_d, denote the coefficients of the current-voltage i_d, u_d characteristic

$$i_d = \alpha_d . u_d + \beta_d . u_d^2 + \gamma_d . u_d^3 + \ldots$$

of the rectifying device.

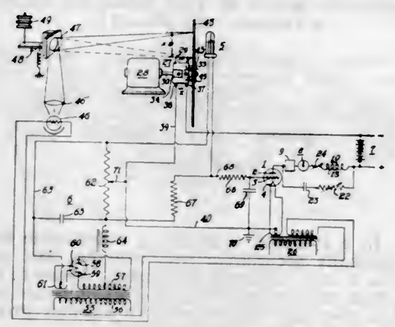
2,100,459
JIGGING MACHINE FOR CONCENTRATING ORES AND OTHER MATERIALS
Stanley Dawson Ware, London, England
Application May 13, 1935, Serial No. 21,233
In Great Britain May 17, 1934
6 Claims. (Cl. 209—425)

1. Jigging machine for concentrating ores and other materials of the vertical and horizontal reciprocating submerged screen type having a single driving shaft, vertically and horizontally extending cams fitted on said shaft, transverse members or bridges from which the screen is suspended, and vertical cams co-operating with said transverse members to impart vertical impulse strokes to said members and the screen a



horizontal reciprocating carrier, a horizontal spring bar bridging the screen and flexibly attached to the sides thereof the horizontal impulse strokes being imparted to the screen by the horizontally extending cam through the medium of said horizontally reciprocating carrier engaging said horizontal spring bar.

2,100,460
ELECTRIC GAUGE AND METHOD FOR CONTROLLING THE CURRENT OUTPUT OF GRID CONTROLLED GLOW DISCHARGE TUBES
James E. Specht, Orrville, Ohio, assignor to John M. Hopwood, Dormont, Pa.
Application January 14, 1935, Serial No. 1,589
12 Claims. (Cl. 250—41.5)



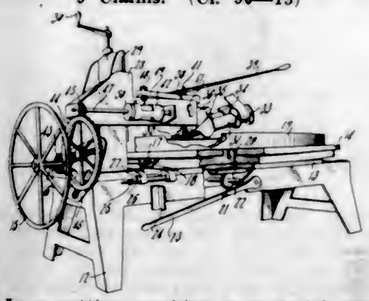
1. An electric gauge for measuring, recording and/or controlling a variable comprising a glow discharge device having plate and grid circuits, means for supplying interrupted unidirectional voltage to the plate circuit thereof, a source of voltage for the grid circuit, means for normally maintaining the grid bias at a value below the critical value thereof, means for impressing a voltage on the grid of such value and polarity that the normal grid bias is neutralized and rendered positive by an amount which exceeds the critical bias voltage and causes the device to break down and pass current in the plate circuit thereof, and means operating synchronously with said interrupted supply of plate voltage and responsive to a variable condition for controlling the time of application of said break-down bias voltage with respect to the period of duration of the plate voltage to cause the plate current of said device to vary with said condition.

2,100,461

APPARATUS FOR CUTTING TIRE MOLDS

Lisle M. Watson and Raymond F. Ternes, Detroit, Mich., and Lester G. Budlong, Mount Vernon, N. Y., assignors to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application October 11, 1935, Serial No. 44,552
9 Claims. (Cl. 90—15)



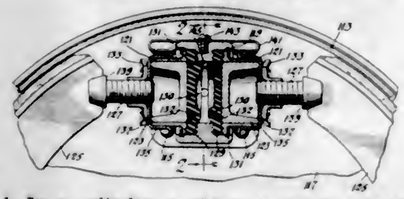
1. In a cutting machine, a material support, a cutting tool, means for causing relative movement therebetween, a stop ring, comprising a plurality of independently adjustable members collectively providing a slot, movable in synchronism with such relative movement and a follower cooperating the slot for controlling the amount of such movement.

2,100,462

HYDRAULIC WHEEL CYLINDER BRAKE

Charles E. Wellman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 20, 1937, Serial No. 131,978
6 Claims. (Cl. 60—54.6)



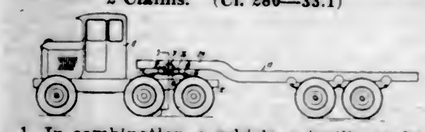
1. In a cylinder, a piston, a deformable disc, peripherally secured to said cylinder, said disc having a face engaging said piston, means to admit fluid under pressure against the opposite face of the disc, said disc having an annular groove entering its piston engaging face.

2,100,463

VEHICLE CONSTRUCTION

Walter W. Wohlfarth, San Francisco, Calif., assignor to A. Ted Ashjian and J. B. Sweet, both of Fresno, Calif.

Application June 22, 1936, Serial No. 86,467
2 Claims. (Cl. 280—33.1)



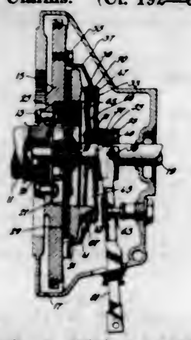
1. In combination, a vehicle, a trailing vehicle, a fifth wheel mounted upon said vehicle and carried thereby, shaft support means carried by said fifth wheel and extending above said wheel, a first shaft carried by said support means, a link hinged at one end on said shaft and hanging therefrom, a second shaft engaged with the other end of said link, and means securing said second shaft to said trailing vehicle.

2,100,464

FRICTION CLUTCH

John O. Almen, Royal Oak, and Henry J. Kirschner, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application September 28, 1936, Serial No. 102,886
12 Claims. (Cl. 192—68)



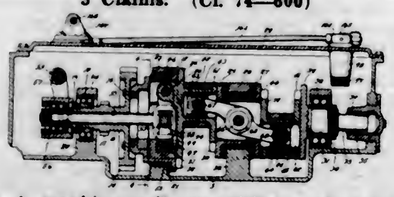
1. In a clutch, a driving member, a driven member, facings therefor, normally stressed yielding means to bias said members into frictional engagement, releasing mechanism to additionally stress said yielding means and release said clutch, said yielding means being an axially coned annulus having a substantially zero rate throughout its normal working range, and formations in said annulus to extend the range of zero rate beyond the normal working range whereby an advantageous mechanical advantage is afforded for the releasing mechanism.

2,100,465

VARIABLE SPEED TRANSMISSION UNIT

Charles E. Baker, Wethersfield, Conn.

Application November 28, 1933, Serial No. 700,047
5 Claims. (Cl. 74—600)



3. A cranking unit comprising a plurality of rotating members mounted in separate bearings, oppositely disposed slots in said rotating members, radially adjustable cranking members slidably mounted in said slots, means comprising a toggle mechanism for adjusting said cranking members on said cranking unit, and means for rotating said cranking unit.

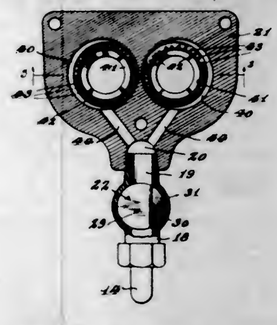
2,100,466

MEANS FOR PROMOTING COMBUSTION IN INTERNAL COMBUSTION ENGINES

Frederick George Cavendish Bashford and William Perry McLaren, Montreal, Quebec, Canada

Application January 22, 1936, Serial No. 60,334
3 Claims. (Cl. 123—119)

1. Means for promoting combustion in internal combustion engines comprising a carburetting device associated with the intake manifold, a secondary mixing device between the carburetor and the intake manifold, said mixing device comprising a pair of chambers defined by circumscribing spaced walls, the inner of said walls tapering in the direction of flow of the gaseous fuel



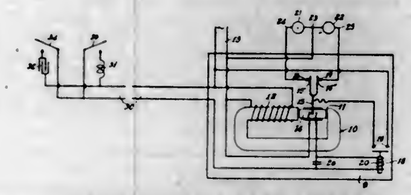
and having gas inlet apertures opening upon the chambers, gas outlet apertures formed adjacent the base of the chambers, a common hot air connection for the mixing device, means for feeding hot air thereto in graduated quantities, and separate conduit means between the air connection and the chambers.

2,100,467

TELEMETERING SYSTEM

Perry A. Borden, Waterbury, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut

Application October 2, 1934, Serial No. 746,482
9 Claims. (Cl. 177—352)



3. In combination: a phase-selective relay means connected to a source of alternating current and provided with a plurality of normally closed contacts having a conductor common thereto, said contacts being opened alternatively in response to the phase position of the alternating current in an electro-responsive element of the relay means, a non-selective relay having an actuating winding in series with the electro-responsive element of the phase-selective relay, local circuits and instrumentalities controlled by said phase-selective relay contacts and energized through the operation of the said non-selective relay, and a two-conductor control circuit connected at one end with the electro-responsive element of the phase-selective relay means and to the winding of the non-selective relay means, and a plurality of means at the other end of the said two-conductor control circuit adapted to be bridged across said control circuit for introducing different impedances therein to control the time-phase position of the current in said two-conductor control circuit.

2,100,468

CATALYTIC HYDROGENATION OF ALKYL SUBSTITUTED PHENOLS

Merlin Martin Brubaker and Benjamin W. Howk, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 30, 1935, Serial No. 47,428
25 Claims. (Cl. 260—153)

1. The process which comprises catalytically hydrogenating mononuclear monohydric phenol which is alkyl substitued, said alkyl group containing at least seven carbon atoms, at a temperature within the range of 100°–250° C.

2. The process in accordance with claim 1 characterized in that the reaction is carried out at a temperature of about 150° to about 190° C.

3. The process in accordance with claim 1 characterized in that the reaction is carried out at a pressure of 500 to 3000 pounds per square inch.

22. A mononuclear monohydric cyclohexanol which is monoalkyl substituted, said alkyl group containing at least seven carbon atoms.

2,100,469

GERMICIDE AND FUNGICIDE COMPOSITION

Cornelia Burwell, Ann Arbor, Mich.

No Drawing. Application March 17, 1934, Serial No. 716,174
3 Claims. (Cl. 167—22)

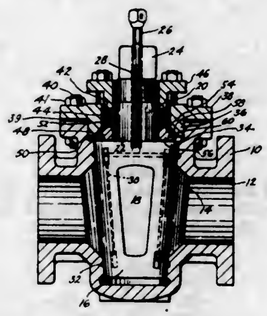
1. A germicidal and fungicidal, saponifiable composition, comprising synthetic fatty acids derived from an oxidized petroleum hydrocarbon and an alkali metal hydroxide.

2,100,470

VALVE

Charles H. Cotton, Kewanee, Ill., assignor to Walworth Patents, Inc., Boston, Mass., a corporation of Massachusetts

Application July 23, 1935, Serial No. 32,765
5 Claims. (Cl. 251—103)



1. A valve comprising a casing having a valve seat, a valve member movable on said seat, a cover at one end of the valve member and secured to the casing, a stem extending from the valve member through said cover and spaced therefrom to form a stuffing box, a packing for the valve member housed within said stuffing box, a gland for exerting pressure on said packing and thereby holding said valve member in engagement with its seat, and means for sealing the valve against leakage when the packing is removed, said means including a member loosely mounted between and engaging the packing and valve

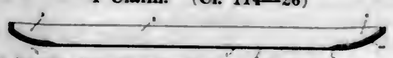
member, said member projecting partly within said stuffing box and being adapted for sealing engagement with the cover.

2,100,471
CREAM DIPPER
Scott Covalt, Van Nuys, Calif.
Application December 28, 1936, Serial No. 117,846
2 Claims. (Cl. 210—51.5)



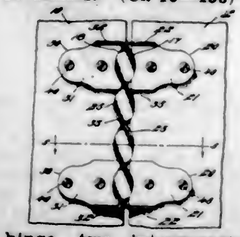
1. A cream dipper comprising; a tubular body having an integral internal flange at the bottom; a disk valve adapted to seat upon the upper surface of the flange to close the bottom; and an upstanding member attached to the flange and extending through a perforation in the valve; said perforation being fitted to the upstanding member in such manner as to allow the valve to tilt; and the upstanding member being provided with means for preventing the valve from becoming displaced therefrom.

2,100,472
BARGE
Albert J. Dawson, Sewickley, Pa., assignor to The Dravo Contracting Company, a corporation of Pennsylvania
Application June 6, 1936, Serial No. 83,907
1 Claim. (Cl. 114—26)



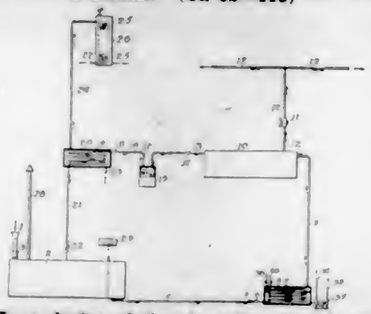
A barge structure including a body having parallel walls and a rake-end in which the side and bottom walls meet in a bilge curve, the radius of bilge curvature being uniform throughout the body and increasing in the rake-end from that of the body outwardly to a maximum and then decreasing again.

2,100,473
HINGE
Adolf Ensslin, North Attleboro, Mass.
Application October 13, 1936, Serial No. 105,396
10 Claims. (Cl. 16—153)



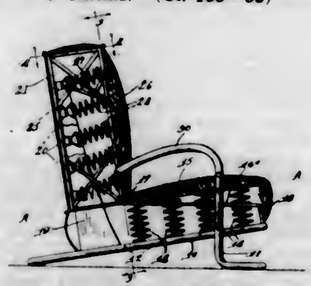
9. In a hinge, two interengaging spirally twisted strips, and leaves comprising attaching portions and flange portions, said flange portions being disposed at right angles to the attaching portions and integral with the ends of the strips.

2,100,474
COMBINED AIR CONDITIONING AND HOUSE HEATING SYSTEM
John Underhill Fish, Oak Park, Ill., assignor, by mesne assignments, to J. U. Fish Trust, composed of Elizabeth M. Fish, Paul L. Miller, and Eustace J. Knight, trustees
Application October 4, 1935, Serial No. 43,639
3 Claims. (Cl. 62—115)



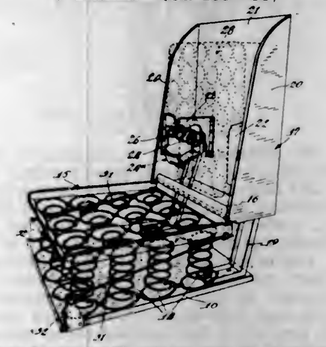
1. In a device of the class described, a reservoir containing liquid propane, a reservoir containing propane gas, a pair of tanks each communicating with one of said reservoirs, coils in each of said tanks, a medium in each of said tanks surrounding said coils, one of said tanks having said medium sealed therein and communicating with said liquid reservoir, means located between said last-mentioned tank and reservoir adapted to expand said liquid propane and force it through said coil in said last-mentioned tank to absorb the heat of said medium to provide the latent heat necessary for changing the state of the liquid propane to a gas, means for forcing said gas so produced to said gas reservoir, means located between said gas reservoir and the other of said tanks adapted to compress said gas and force it through said tank, the medium in said tank being adapted to absorb the latent heat produced by the change of state of the propane, said liquid propane being adapted to pass from said coil to said liquid reservoir for reuse, and means for utilizing the medium in both of said tanks for heating, refrigerating and air-conditioning purposes.

2,100,475
SPRING SEAT CONSTRUCTION
Hyland C. Flint, Grosse Pointe, Mich., assignor, by direct and mesne assignments, to Patent Sales, Inc., a corporation of Michigan
Application August 9, 1934, Serial No. 739,144
9 Claims. (Cl. 155—53)



1. In a device of the character described, a base, a horizontally extending seat frame supported by said base and capable of vertical movement, a vertically extending support on said base fixed against movement, a back rest including a frame adjacent said support and connected to said seat frame for vertical movement therewith, rockers pivotally mounted on said support and on said back rest frame, and a compression spring between cooperating pairs of rockers between said support and frame whereby said back rest may have horizontal movement against the compression of said springs, said back rest frame including portions enclosing said vertically extending fixed support and projecting rearwardly thereof whereby said seat frame and back rest frame being adapted to be upholstered by a preformed continuous strip entirely enclosing the same.

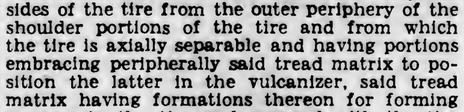
2,100,476
SPRING SEAT CONSTRUCTION
Hyland C. Flint, Detroit, Mich., assignor, by direct and mesne assignments, to Patent Sales, Inc., a corporation of Michigan
Application June 24, 1935, Serial No. 28,181
7 Claims. (Cl. 155—53)



1. In a device of the character described, a base for resting on a supporting surface, a horizontally extending seat frame, movable means on said base supporting said seat frame for vertical movement thereof, a substantially vertically extending support fixed relative to said base, a substantially vertically extending back rest comprising a single housing of box-like formation enclosing said fixed support and engaging said seat frame for vertical movement therewith and having horizontal movement relative thereto, and relatively stiff and other relatively soft flexible supporting means confined within said housing to follow the vertical movement thereof, said relatively soft flexible supporting means being supported by said housing, and means connecting said stiff flexible supporting means to said fixed support and to said housing for permitting free floating movement of said housing, said stiff flexible supporting means being adapted to offer relatively great resistance to the movement of said housing as a whole and said soft flexible supporting means being adapted to offer relatively little resistance within said housing to the horizontal movement of the body of an occupant resting thereagainst.

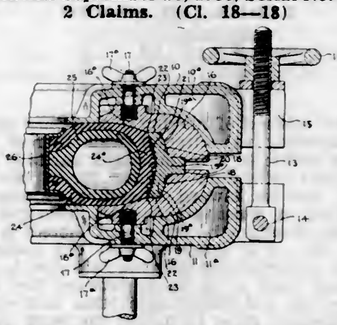
2,100,477
WASHRAG HOLDER
Adam Fritz and Richard J. McCarthy, Philadelphia, Pa.
Application May 14, 1936, Serial No. 79,678
1 Claim. (Cl. 15—231)

A wash rag holder comprising a handle, a dished element carried by one end of said handle, a ring, slightly larger than said dished element, hinged to the rim of said dished element on the side thereof opposite that from which said handle extends and adapted to clamp in position a wash rag draped over said dished element, and means for detachably securing said ring to said



handle to retain said ring in its clamping position relative to said dished element comprising a resilient hook formed on said ring diametrically opposite to the hinging thereof and yieldingly engaging an opening in said handle near said dished element.

2,100,478
FULL-CIRCLE TIRE RETREADING VULCANIZER
Leo O. Grange, Chicago, Ill., assignor to Safety Vulcanizer Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1936, Serial No. 102,772
2 Claims. (Cl. 18—18)

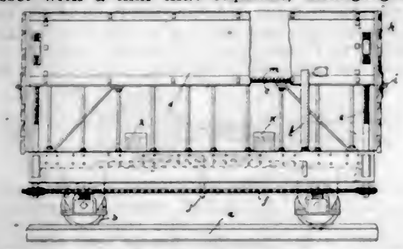


1. In a tire retreading vulcanizer cooperating annular vulcanizer sections, means for clamping said sections together, removable and replaceable annular side wall matrices, means for removably securing said matrices to the inner faces of the vulcanizer sections, and an annular removable tread matrix, said side wall matrices and said tread matrix having cooperating surfaces for clamping the tread matrix between the secured side wall matrices in tread molding position when the vulcanizer is closed, said side wall matrices having surfaces for molding only the sides of the tire from the outer periphery of the shoulder portions of the tire and from which the tire is axially separable and having portions embracing peripherally said tread matrix to position the latter in the vulcanizer, said tread matrix having formations thereon for forming recesses in the tire and engaged with the tire only between said outer peripheries of the said shoulder portions, said tread molding matrix being removable from the vulcanizer with the vulcanized tire and radially separable from the periphery of the tire.

2,100,479
APPARATUS AND METHOD OF MAKING EXPANDED CEMENT ARTICLES
Albert Henderson, Pittsburgh, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application October 23, 1934, Serial No. 749,593
10 Claims. (Cl. 25—121)

1. In a method of making expanded cement articles the steps consisting in reducing the vol-

ume of a vessel to form a measure filling said vessel with a mix that expands, enlarging the



volume of the vessel and permitting the mix to expand and substantially fill said enlarged vessel.

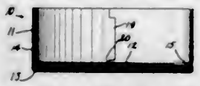
2,100,480

METHOD OF MAKING CONTAINERS

Abram S. Hirshman, Brooklyn, N. Y., assignor to Cordiano Can Co., Inc., Brooklyn, N. Y., a corporation of New York

Application January 14, 1937, Serial No. 120,481

2 Claims. (Cl. 113—120)



1. The method of making a container including subjecting the circular wall thereof to a forming action to simultaneously partially form an inward extending annular lip at one end thereof and an inward extending annular reverse fold to constitute a bead, inserting into said wall through the other end thereof a snug fitting disc of a relatively stiff but somewhat yielding material and pressing said disc to snap over said bead so as to lie between the latter and the lip, and finally subjecting said wall to axial pressure so as to flatten the bead to project further inward and to simultaneously cause said lip to be curled to thus secure said disc to said wall.

2,100,481

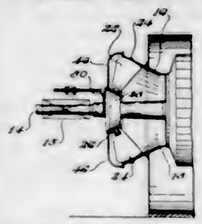
FAN

William Hay Howden, Glasgow, Scotland, assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts

Application January 26, 1933, Serial No. 653,643

Renewed September 17, 1936

1 Claim. (Cl. 230—114)



A fan comprising a rotor, a casing, a conical inlet, a hollow conical hub within the inlet, a series of vanes having at their inner ends pivots journaled in the hub, the axis of each vane being perpendicular to the conical wall of the hub, a crank on each pivot extending perpendicularly therefrom, a rotatable ring within and peripherally supported by the hub and having a series of inwardly extending projections forming slots to receive the ends of the cranks, and control means to rotate the ring to adjust the vanes uniformly.

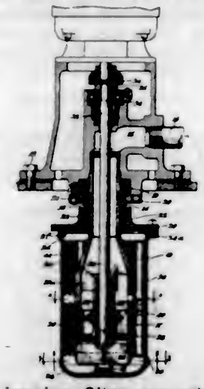
2,100,482

FILTER

Robert L. Irwine, Union, N. J., assignor to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware

Application June 24, 1936, Serial No. 86,943

11 Claims. (Cl. 210—167)



1. A self-cleaning filter comprising a tubular rotatable filtering element, rotary pump means within said filtering element and having its inlet communicating with the interior of said filtering element, a discharge passage for filtered liquid, a distributor for directing a thin stream of liquid against the inner surface of said filtering element from one end to the other thereof, said pump means having its outlet communicating both with said discharge passage and said distributor, means for driving said pump means for sucking liquid through said filtering element and supplying a portion thereof under pressure to said distributor, and means associated with said pump for rotating said filtering element.

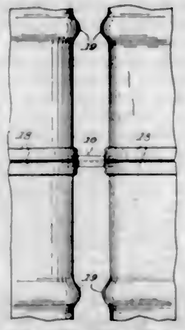
2,100,483

STACKING DRUM

Albert E. Jesser, Apollo, Pa.

Application March 5, 1932, Serial No. 596,907

10 Claims. (Cl. 220—97)



1. A clip for supporting one drum upon another comprising a metallic strip having flanges struck downwardly and upwardly therefrom on both sides for engaging the ends of the supporting and supported drums internally and externally.

2,100,484

COMPOSITION AND DRYING OF THE SAME

Walter J. Koenig, Trenton, N. J., assignor to Sloane-Blabon Corporation, Trenton, N. J., a corporation of Delaware

Application February 23, 1935, Serial No. 7,717

7 Claims. (Cl. 91—70)

1. In the treatment and hardening of an oxidized oil having double bonds in conjugate arrangement, the steps which comprise adding reactive volatile organic substance to the oil in excess whereby a film-forming mixture including unreacted volatile organic substance is formed, then spreading the mixture into films on a supporting base and heating the spread mixture to elevated temperatures, sufficient to simultaneously slowly evaporate the remaining volatile constituents of the film-forming mixture from the film surface forming a gaseous protective blanket over the film and substantially exclude oxidizing gases from contacting the film and sufficient to cause a substantially non-oxidizing hardening of the oil.

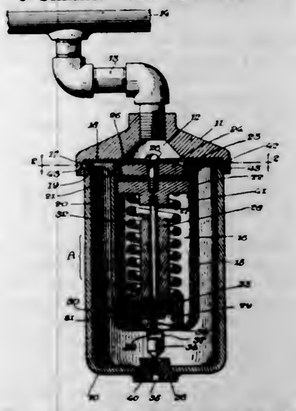
2,100,485

DRAIN VALVE FOR COMPRESSED AIR RESERVOIRS AND THE LIKE

Peter A. Lindemann, Downsville, N. Y.

Application September 9, 1936, Serial No. 99,912

9 Claims. (Cl. 137—103)



1. A drain valve for the purpose described, comprising a housing, a casing supported within said housing to provide a chamber between the casing and the housing, said housing having an air inlet leading to the interior of the casing, and also having a discharge opening, and said casing having a passage in communication with the said chamber, a piston valve mounted in said casing in co-operative relation to said air inlet and passage, a spring normally urging said valve into sealing relation with the said passage, a valve for said discharge opening, means including a lost-motion coupling operatively connecting said latter valve with the piston valve, and vent means leading from the interior of the casing to the outside atmosphere.

2,100,486

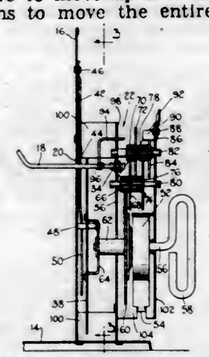
DANCING FIGURE TOY

Raymond Lohr, Erie, Pa., assignor to Louis Marx & Company, Inc., New York, N. Y., a corporation of New York

Application April 28, 1936, Serial No. 76,746

20 Claims. (Cl. 46—138)

1. A dancing toy comprising a loosely jointed figure, a stage or platform on which the figure simulatedly dances, means causing at least part of the figure to move up and down and additional means to move the entire figure bodily



from one side to the other side of the aforesaid stage or platform, and motor mechanism for causing both of the aforesaid movements.

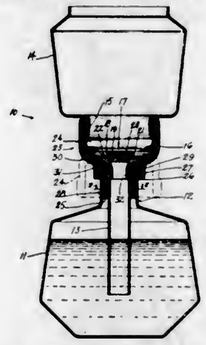
2,100,487

COFFEE MAKER

John E. Marsden, Philadelphia, Pa.

Application November 17, 1936, Serial No. 111,243

8 Claims. (Cl. 53—3)



1. A vacuum coffee maker including a lower container having a wall defining a top opening, an upper container having a bottom outlet portion, a tube separate from said containers and extending from said outlet portion into the lower container through said opening and in annularly spaced relation to the said wall of said opening, a single means of flexible elastic material comprising a plurality of portions, one for connection with the outlet portion, and the other for engaging said wall and said tube for thus interengaging the containers and the tube with the upper container, a generally rigid filtering device within said means, the latter coacting with the outlet portion to directly operatively secure the filtering device.

2,100,488

BRAKE ADJUSTMENT

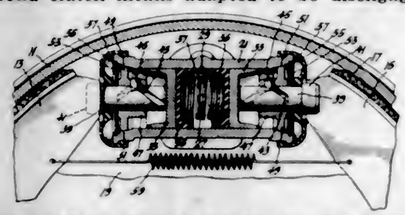
Olaf Rasmussen, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Michigan

Application June 3, 1936, Serial No. 83,178

11 Claims. (Cl. 188—79.5)

1. In a brake, a drum, a shoe to engage the drum, actuating means including reciprocable

piston and plunger parts to move said shoe, first clutch means having a threaded engagement with one of said parts whereby said first clutch means is adjusted axially of the actuating means, and second clutch means adapted to be disengaged



from the first clutch means to permit a limited joint movement of the said plunger part and the first clutch means and engage the first clutch means to limit the retracting movement of the shoe and actuating means.

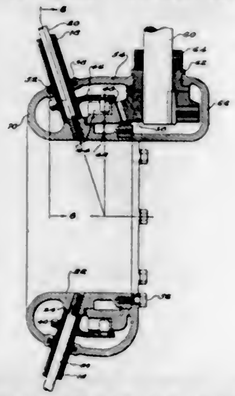
2,100,489

FAN

Earl L. Richardson, Hyde Park, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts

Application July 31, 1936, Serial No. 93,550

11 Claims. (Cl. 230—114)



1. A fan having a shaft, an inlet, a plurality of simultaneously adjustable vanes, a hub, a support for each vane to permit pivotal movement of the vane about an axis substantially perpendicular to the inlet wall and oblique to the axis of the shaft, a rotary actuating member having a plurality of grooves, a crank on each vane support, and a member on each crank received in a corresponding groove of the actuating member and conforming to the walls of the groove in line contact therewith, all of said members and vane supports having axes intersecting in the axis of the rotary member to permit adjustment of the vanes by the rotary member without cramping of said members in the grooves.

2,100,490

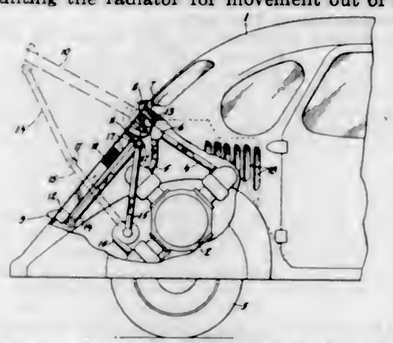
COOLING SYSTEM

Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 7, 1937, Serial No. 119,392

8 Claims. (Cl. 180—54)

1. In a motor vehicle, a body having an engine compartment therein, an engine mounted in the compartment adjacent an inspection opening in the wall thereof, an engine cooling radiator normally positioned in said opening, means mounting the radiator for movement out of the



opening to enable access to the compartment and a foldable pipe connecting the engine and radiator for liquid flow therebetween in all relative positions of the radiator and engine.

2,100,491

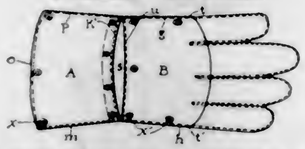
GLOVES AND MITTENS FOR MINER'S USE

Almon F. Robertson, Kirkland Lake, Ontario, Canada

Application August 2, 1934, Serial No. 738,064

In Canada November 17, 1933

4 Claims. (Cl. 2—161)



1. In combination with a glove and the like, a protective cover adapted to be applied to the back of the glove extending laterally substantially over but not more than the entire width and extending lengthwise from approximately the wrist to approximately half the distance between wrist and the finger ends, and coacting means on the glove and said cover for detachably securing the latter to the former, said means being positioned rearwardly of the knuckles whereby the bending movement of the fingers is not impeded.

2,100,492

PNEUMATIC SHEET MATERIAL AND METHOD OF MAKING

Jay J. Sindler, Malden, Mass., assignor to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts

Application October 23, 1933, Serial No. 694,732

5 Claims. (Cl. 154—2)



4. Process of making flexible sheet material, comprising the steps of assembling a plurality of lengths of hollow, plastic, unvulcanized rubber tubing, longitudinally in continuous direct contact with each other, immediately after forming the same and while the surfaces are in tacky condition, to form a layer thereof, applying a backing sheet to said layer and integrating the same together and to said backing by light compression.

2,100,493

INSECTICIDE

Lloyd E. Smith and Houston V. Claborn, Washington, D. C., dedicated to the free use of the Public

No Drawing. Application June 3, 1936, Serial No. 83,310

4 Claims. (Cl. 167—30)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An insecticide containing as its essential active ingredient a compound of the general formula



where R is a benzene nucleus and y represents hydrogen, an alkyl group, nitro group or iodine.

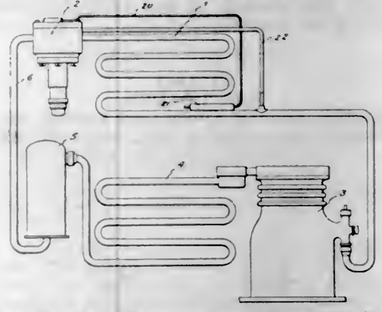
2,100,494

EQUALIZING CONNECTION FOR REFRIGERATION SYSTEMS

Robert L. Sparks, Clayton, Mo., assignor to Alco Valve Company, Inc., St. Louis, Mo., a corporation of Missouri

Application December 3, 1935, Serial No. 52,729

5 Claims. (Cl. 62—2)



1. In a refrigeration system, an evaporator intercalated between the usual high and low sides of said system, a valve controlling the admission of liquid refrigerant to said evaporator, pressure-responsive means for operating said valve, said operating means being actuated proportionately to the variable resultant pressure of opposed pressures, one varying directly with the temperature of the evaporator adjacent the outlet and the other being the pressure of the refrigerant at a point in the system adjacent the outlet of the evaporator and varying directly with the load on the evaporator.

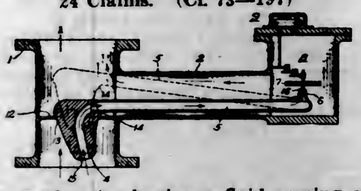
2,100,495

FLUID METER

Wilbur W. Stevenson, Pittsburgh, Pa.

Application May 18, 1935, Serial No. 22,155

24 Claims. (Cl. 73—197)



1. A fluid meter having a fluid-passing opening, a plug therefor of such contour as to gradually uncover said opening upon predetermined increased fluid flow, a rotatable turbine wheel on which fluid upstream of said opening is made to impinge, and means responsive to such uncovering for varying the angle of such impingement.

2,100,496

BLEACHING OF CELLULOSIC MATERIALS

Maurice C. Taylor and James F. White, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

No Drawing. Application February 18, 1936, Serial No. 64,458

5 Claims. (Cl. 8—2)

1. The method of bleaching cellulosic material which comprises subjecting the cellulosic material to an initial treatment with a bleaching agent from the class consisting of chlorine and the hypochlorites, which bleaching agent will act upon the coloring matter carried by the cellulosic material and which, if maximum bleaching were obtained with it, would act upon the cellulosic material with destructive action thereon, permitting such treatment to proceed until substantial action on the coloring matter has taken place, discontinuing said initial treatment before substantial destructive action on the cellulosic material has taken place, and thereafter subjecting the thus treated cellulosic material to a bleaching treatment with an aqueous acid solution containing a chlorite of a metal of the class consisting of the alkali metals and the alkaline-earth-metals, whereby the cellulosic material will be bleached without substantial destructive action.

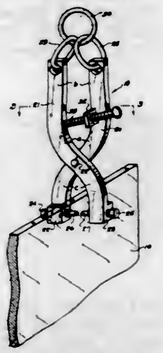
2,100,497

TONG

Gerald White, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application October 5, 1935, Serial No. 43,654

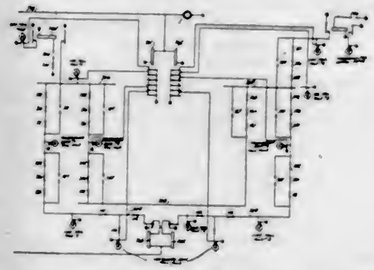
4 Claims. (Cl. 294—118)



1. A tong for supporting a glass sheet in a vertical position during tempering, comprising a pair of upstanding complemental tong members pivotally connected together in overlapping relation intermediate their ends so that they may be swung toward and away from one another and having oppositely facing jaw portions at the lower ends thereof and handle portions at their upper ends, adjustable sheet gripping elements carried by the jaw portions and adapted to engage opposite faces of the sheet, and an adjustable stop screw carried by one handle por-

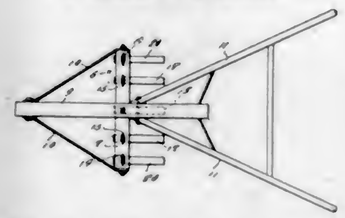
tion and engaging the other handle portion for limiting movement of the jaw portions toward one another.

2,100,498
SIGNAL CONTROL CIRCUITS
Thomas U. White, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 10, 1932, Serial No. 636,984
6 Claims. (Cl. 177—311)



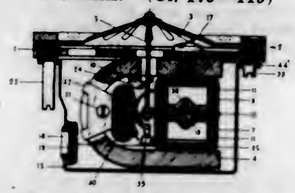
1. In a signalling system, a plurality of signals, circuits for said signals including a circuit connected to all of said signals, signal control contact sets interspersed throughout the length of said circuit, means for operating any set of said contacts to interrupt the circuits of one or a plurality of said signals depending upon the contact set operated, auxiliary circuits for all signals, and means for closing said auxiliary circuits consequent to the actuation of said first means and until the desired set of said contact sets has been opened, each auxiliary circuit including only sufficient current flow to operate one signal.

2,100,499
HARROW
William F. Whitehead, Bassfield, Miss.
Application November 5, 1936, Serial No. 109,352
4 Claims. (Cl. 55—127)



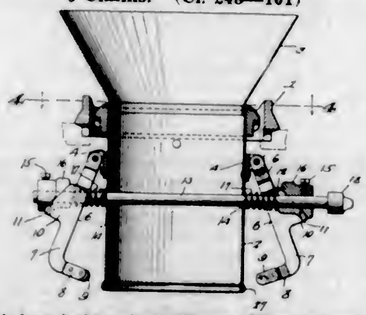
1. In a combined harrow and cultivator construction of the class described, a frame including a relatively stationary unit, said unit being of longitudinally elongated form and channel-shaped in cross-section, the web portion of said unit being provided with a plurality of longitudinally spaced slots, the flanges thereof being formed with a plurality of pairs of longitudinally spaced notches, the respective pairs of notches being aligned with adjacent slots in a manner to dispose each pair of notches in substantial registry with each complemental slot, and a plurality of spring teeth, the shank portions of said teeth being adjustably and detachably connected with the slots and complemental pairs of notches in the manner and for the purposes described.

2,100,500
TELEPHONE UNIT
Albert E. Woodruff, Oak Park, and Hans Sengebusch, Villa Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 2, 1934, Serial No. 738,030
3 Claims. (Cl. 179—119)



3. In a telephone unit, a spool of insulating material for a coil comprising a pair of complementary parts, each part consisting of a channel shaped section in which the coil winding is wound to hold the two parts together, said parts having opposite flat sides abutting and one of the parts being cut away to form an opening, an armature in said opening, and means in said opening for supporting said armature therein, said means comprising a centrally raised portion on the channel side of each of said parts for accommodating the supporting means.

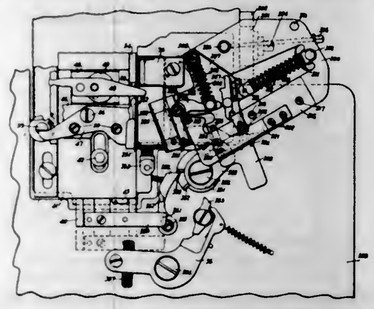
2,100,501
BAG HOLDER
Albert E. Bennett, Green Cove Springs, Fla.
Application September 25, 1936, Serial No. 102,602
6 Claims. (Cl. 248—101)



5. A bag holder including a filling sleeve, opposed yokes pivotally connected thereto and having diverging gripping arms, a longitudinally slidable equalizing and connecting rod extending diametrically across the sleeve and through the yokes, a cam carried by the rod, and means for actuating the cam to shift the rod and move the yokes toward the sleeve into bag gripping positions.

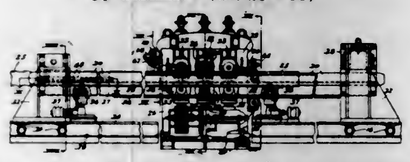
2,100,502
WELD TESTING DEVICE
Robert D. Campbell, Chicago, and William Huebert, Glen Ellyn, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 24, 1936, Serial No. 65,406
7 Claims. (Cl. 29—33)

1. The combination, with a machine for welding contacts on springs or other metallic members as they are fed successively through the machine, of a weld testing device adapted to be attached to said machine, and means included in said testing device for momentarily interposing a predetermined resistance to the normal movement of each spring through the machine, said



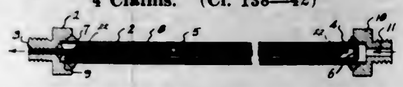
resistance being applied through the contact, thereby automatically testing the strength of each weld after it is completed and before the next weld is made.

2,100,503
MANUFACTURE OF PIPE BLANKS
James V. Caputo, Crafton, Pa.
Application February 11, 1935, Serial No. 6,034
Renewed April 13, 1937
53 Claims. (Cl. 29—33)



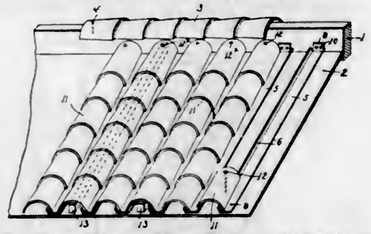
1. Apparatus for preparing tubular blanks for welding comprising a mill for engaging and working on the blank, a mandrel extending through the mill and adapted to be moved back and forth therethrough, and means for supporting said mandrel including a pair of movable yokes, one on each side of the mill, said mandrel-supporting means being adapted to permit a blank having an axial seam cleft to pass onto one end of the mandrel and off the other.

2,100,504
RESTRICTED FLOW REFRIGERANT FEEDING DEVICE
Lewis M. Crosley and John W. Dunn, Cincinnati, Ohio, assignors to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Application October 19, 1934, Serial No. 749,090
4 Claims. (Cl. 138—42)



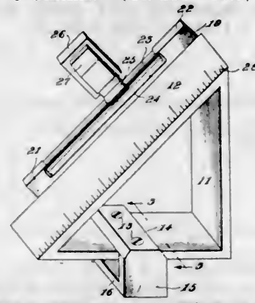
1. A restricted flow of device comprising at least two tubes, one inside the other, said tubes being of substantial length and means at the end thereof for introducing fluid and for causing said fluid to traverse a path which comprises the bore of one tube and the space between said tube and the other tube for substantially the entire length of said device, said path being of such dimensions as will serve to feed an evaporator from a condenser in a mechanical refrigerator, and maintain an appropriate level of refrigerant therein.

2,100,505
TILE ROOFING
Harold Gimeno, Norman, Okla.
Application March 15, 1937, Serial No. 131,023
2 Claims. (Cl. 108—10)



1. In clay tile roofing, the combination with the ridge purlin, the underlay and the rows of cover clay tiles mounted on the underlay, of metal pan strips, one common to each two adjacent rows of cover tiles, on which strips said tiles rest unconnected, in view of which one or more tiles may be removed and replaced without effecting the pan strips, and means to secure said pan strips in place so as to leave a free and unobstructed drain way beneath the tiles, between their longitudinal edges and the sides of the pan strips.

2,100,506
PRINTER'S MITER GAUGE
Claude Fogle Hanlon, Wewahitchka, Fla.
Application January 4, 1937, Serial No. 119,030
5 Claims. (Cl. 164—10.5)

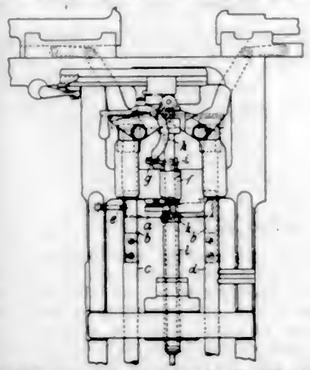


1. A miter gauge comprising a triangular frame having a base and an elongated inclined work-supporting surface, a bracket secured to the base for detachably connecting the frame with a cutting machine and with the lower end of the work-supporting surface adjacent the cutting knife, a scale extending lengthwise of the work-supporting surface adjacent one edge thereof, a plate secured to the frame and projecting above the work-supporting surface adjacent the opposite edge thereof for providing a work edge guide, a rod supported by the plate adjacent the upper edge thereof, and a work-engaging and holding member slidably and pivotally connected with the rod.

2,100,507
TYPOGRAPHICAL SLUG CASTING MACHINE
Arthur Staniland Hayward and Victor Dougall, Altrincham, England, assignors to Linotype and Machinery Limited, London, England
Application August 3, 1936, Serial No. 94,001
In Great Britain August 14, 1935
6 Claims. (Cl. 199—51)

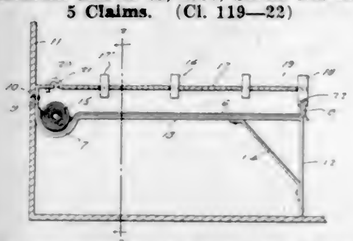
1. A typographical slug casting machine com-

prising matrix-clamping jaws and a control rod therefor, means for conditioning the control rod for a quadding or centring operation of the jaws, a device for justifying the matrix line, means for



limiting the movement of said justifying device, and means associated with said conditioning means whereby said limiting means are set, in order to operate when the movement of said jaw control rod exceeds a prearranged amount.

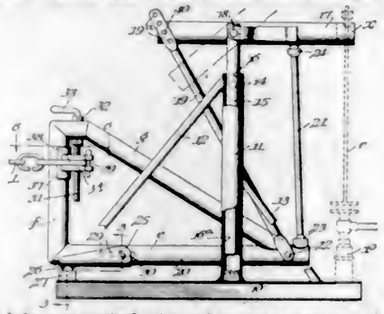
2,100,508
DROPPING BOARD AND ROOST FOR POULTRY
Frank Brodie Herbert, Westwood, N. J.
Application March 25, 1937, Serial No. 133,060
5 Claims. (Cl. 119—22)



1. In combination, a drop board having a trough at one end, a roll of flexible material resting in said trough and to extend over the surface of said drop board as unrolled to provide a cover for the drop board surface, said drop board at the end thereof remote from said trough being provided with an upstanding flange over which the free end of the roll of flexible material is draped, and a roost hinged at one end and adapted to be raised and lowered at its forward end, said roost at said forward end being provided with a rail having a groove in the bottom edge thereof receiving said flange in a manner to secure the end of the extended portion of the flexible material draped over said flange.

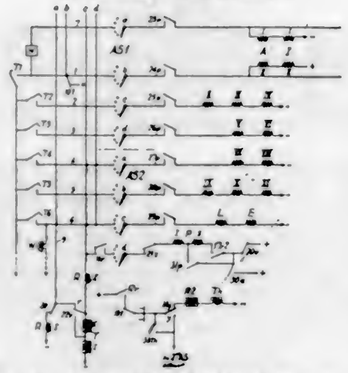
2,100,509
PUMP JACK
Wilford P. Heffernan, Humble, Tex., assignor of one-fourth to Charles G. Eidson, Houston, Tex.
Application April 20, 1937, Serial No. 138,013
7 Claims. (Cl. 74—103)

1. A pump-jack comprising a lifting beam mounted in vertical guides, a jack-rocker, a connection between the jack-rocker and the lifting beam for raising and lowering the latter, said jack-rocker comprising a bell-crank-lever one end of which is connected with the lifting beam and by which and said guides the lifting beam



is solely supported, the other end portion of said lever being connectable to pull line.

2,100,510
TELEPHONE SYSTEM
Reinhold Hoefert, Berlin-Gatow, and Kurt Wollack, Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany, a corporation of Germany
Application May 7, 1936, Serial No. 78,396
In Germany May 10, 1935
18 Claims. (Cl. 179—18)

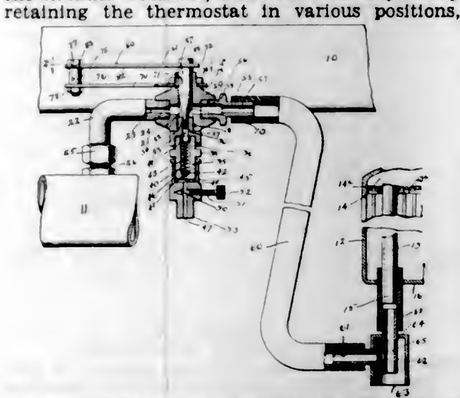


3. In an automatic telephone system, automatic switching means, subscriber controlled means for operating said switching means to establish a connection with another subscriber, said switching means remaining operated for the duration of the connection, and means in case said switching means is inadvertently released and the established connection is disconnected for automatically reestablishing said connection independent of any control by the subscriber.

2,100,511
CHARGE FORMING DEVICE
Harry A. Kelty, New Castle, Pa.
Application February 27, 1935, Serial No. 8,540
3 Claims. (Cl. 123—25)

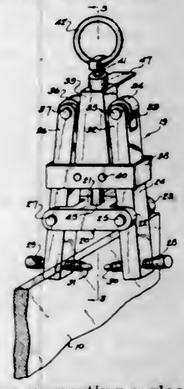
1. In an internal combustion engine having an intake manifold and an exhaust manifold, a device for supplying an additional fluid to the intake manifold comprising a valve casing, a valve in the casing, means for placing the casing in communication with the intake manifold, a thermostat having one end pivoted on

the casing and swingable towards or away from the exhaust manifold, and means for adjustably retaining the thermostat in various positions,



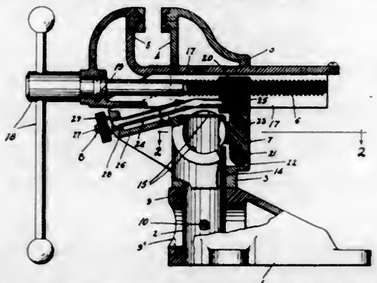
said thermostat being connected with the valve for operating the valve to open position when said thermostat is set in operation by the heat of the exhaust manifold.

2,100,512
GLASS SHEET SUPPORTING MEANS
Stephen K. Kotowski, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 6, 1935, Serial No. 39,371
5 Claims. (Cl. 294—116)



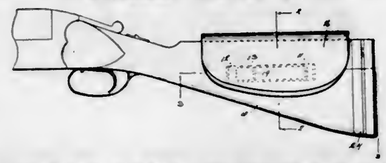
1. A tong for supporting a glass sheet in a vertical position during tempering, comprising a substantially horizontal supporting member, a pair of substantially vertical lever arms pivotally carried at the opposite ends of said supporting member, said arms extending above their pivotal points to a greater distance than beneath the same, adjustable sheet gripping elements carried at the lower ends of said lever arms, freely rotatable rollers carried at the upper ends of the said lever arms, a substantially vertical pin carried by the supporting member between the lever arms, a wedge-shaped member slidably mounted upon said pin and movable upwardly to rock the lever arms about their pivots to move the gripping elements inwardly into sheet engaging position, said rollers riding along the inclined faces of the wedge-shaped member, and a strap encircling said lever arms and to which the wedge-shaped member is secured.

2,100,513
VISE
Lester E. Mershon, Los Angeles, Calif., assignor to Fray-Mershon, Inc., Los Angeles, Calif., a corporation of California
Application August 11, 1936, Serial No. 95,342
2 Claims. (Cl. 81—33)



1. In a vise, a base, a post carried by said base, a body having a bore therein receiving said post and permitting rotation of the body thereon, a fixed jaw on said body, an adjustable jaw on said body, means for adjusting said adjustable jaw including a rotary screw, a locking member pivoted at one end on said body and having a threaded aperture at its other end receiving said screw, said member having an intermediate portion disposed to lockingly engage said post, and manually operable means for moving said member into frictional locking engagement with said post.

2,100,514
SLIDING CHEEK PIECE FOR GUNS
Elmer E. Miller and Howard L. Miller, Millersburg, Pa.
Application August 18, 1936, Serial No. 96,678
5 Claims. (Cl. 42—71)

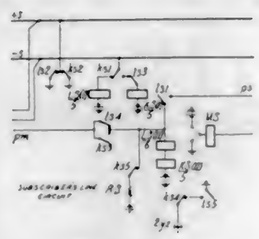


1. In a gun stock, a longitudinally extending, slotted guide frame inserted within the side wall of the gun stock, a cheek rest disposed upon and extending down over the side face of the gun stock and having a portion thereof extending into said slot of the guide frame, this portion being shorter than the slot, a plate bearing against the inner face of the guide frame and having sliding engagement therewith and attached to the inwardly extending portion of the cheek rest, and a spring attached at one end to the inner face of the guide frame and at the other end to one end of said plate and urging the plate and the cheek rest rearward.

2,100,515
TELEPHONE SYSTEM
William George Patterson, Mottingham, London, and Reginald Griffith Dixon, Eltham, London, England, assignors to Siemens Brothers & Company Limited, London, England
Application November 9, 1935, Serial No. 48,952
In Great Britain November 14, 1934
3 Claims. (Cl. 179—27)

1. In a telephone system, means including a plurality of serially related automatic switches in-

cluding both backward and forward selecting switches operated to establish a connection between the calling and the called line, means enabling the calling party to release his line from



the connection and make another call, and means for maintaining all of said switches in their antecedent operated position and for guarding them against intrusion by other calls until the called party hangs up.

2,100,516

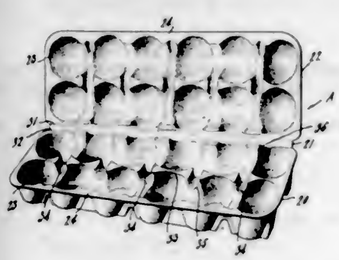
CONTAINER

Robert E. Read, Watertown, N. Y.

Application July 6, 1934, Serial No. 733,947

Renewed May 21, 1937

7 Claims. (Cl. 229—29)



1. A fragile article container of the character described comprising in combination, a member formed with a row of cavities to provide a row of article receiving cells, a reinforcing rib extending through said row of cells and forming webs between adjacent cells, the top of said rib being substantially concave throughout its length, a rib extending transversely across said container and through said first mentioned rib, said transversely extending rib cutting through said reinforcing rib, the top thereof being in a plane below the plane of said reinforcing rib whereby to impart rigidity to said container across its shorter diameter.

2,100,517

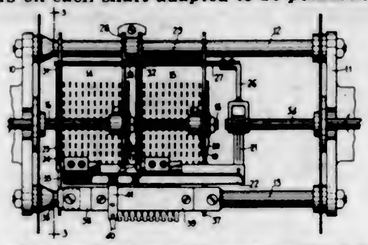
AUTOMATIC TELEPHONE SWITCH

Rodney G. Richardson, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application May 1, 1936, Serial No. 77,361

15 Claims. (Cl. 179—27.52)

1. In combination, two vertical and rotary motion switches positioned with their shafts in alignment, a set of arcuate banks positioned concentric with the axis of said shafts, and wipers on each shaft adapted to be positioned on



any set of contacts in said banks without interfering with the wipers on the other shaft.

2,100,518

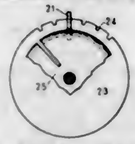
IMPULSE SENDER MECHANISM

Otto Rinkow, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany

Application March 6, 1935, Serial No. 9,564

In Germany March 13, 1934

4 Claims. (Cl. 179—90)



4. A rotatable disc for the automatic transmission of code designations, said disc having a plurality of spaced notches cut in its periphery, a plurality of riders disposed around the edge of said disc in accordance with a particular code designation, a pair of extensions formed on each rider engaging opposite sides of said disc in one of said notches, one of said extensions having a projection formed thereon, and a common flexible disc on one side of said rotatable disc having a bent portion on its periphery for engaging the projection on all of said riders for removably supporting the same on said disc.

2,100,519

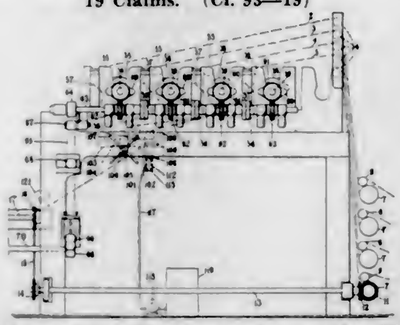
BAG AND LIKE TUBING MACHINE

Foster Gotch Robinson, Bristol, England, assignor of one-half to Paper Sacks Limited, Bristol, England

Application August 10, 1936, Serial No. 95,242

In Great Britain August 14, 1935

19 Claims. (Cl. 93—19)



10. A machine for the manufacture of multiply paper bag tubes comprising in combination, a

plurality of perforating devices mounted in spaced relation, each perforating device comprising a rectilinear dead knife provided with a series of spaced oblique cutting edges and a rotary knife cooperating with the dead knife, one of said knives being interrupted at spaced intervals to provide non-cutting portions, means for rotating the rotary knives of said perforating devices, means for feeding a plurality of webs of paper one between each of the cooperating knives of said perforating devices for perforation transversely by said knives, tension controlling means associated with the webs for individually tensioning the webs, means for assembling the webs of paper in superposed relation after perforation by said perforating devices, tube forming mechanism to which the superposed webs are led for forming into a multiply tube, and means for dividing the formed tube into lengths by rupturing along the lines of perforations.

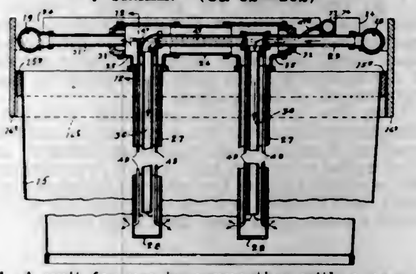
2,100,520

EQUIPMENT FOR MAKING ARTIFICIAL ICE

William R. Robinson, Niles, Ohio

Application November 8, 1934, Serial No. 752,097

7 Claims. (Cl. 62—162)



1. A unit for use in connection with a can of ice block making equipment, said unit having one or more depending legs with provision for the circulation of brine therethrough, each leg having an air tube extending lengthwise therethrough for discharging air to agitate the water in the can.

2,100,521

ICE CAN WITH INTEGRAL AIR TUBE

William R. Robinson, Niles, Ohio

Application January 31, 1936, Serial No. 61,799

2 Claims. (Cl. 62—159)



1. A freezing can for use in the manufacture of ice, having a vertical seam formed of two overlapping elements only joined together adjacent a corner of the can, the inner overlapping element being bent sharply inward between the seam and the corner of the can and then curved backwardly and outwardly into a tubular member filling the corner bend of the can and constituting an air conduit extending from the top to the bottom of the can, the free edge of the inner element being concealed and protected and lying adjacent the said sharp bend a seal between the outer wall of the tubular member and the adjacent wall of the can, and a reinforcing band secured to the can at the upper edge thereof extending over said vertical seam.

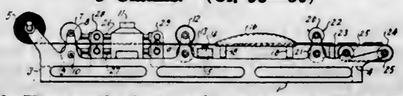
2,100,522

MANUFACTURE OF PRINTED PAPER ARTICLES

Harlow M. Russell, Chelsea, and Melvin H. Sidebotham, West Newton, Mass., assignors to Specialty Automatic Machine Company, Medford, Mass., a corporation

Application June 24, 1936, Serial No. 86,916

9 Claims. (Cl. 93—36)



1. The method of making paper articles by a sequence of operations, consisting of feeding a web of paper, printing the web, applying heat to dry the printing, adding moisture to the web in an amount sufficient to compensate for the moisture extracted from the paper during the drying operation, creasing the web, applying adhesive to a portion of the web, folding and then cutting the web to predetermined lengths.

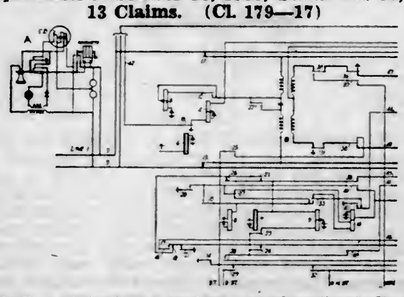
2,100,523

AUTOMATIC TELEPHONE SYSTEM

Norman H. Saunders and Pier Bakker, Chicago, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 16, 1935, Serial No. 54,637

13 Claims. (Cl. 179—17)



1. In a telephone system, a subscriber's line, a relay connector individual to said line, a chain of counting relays in said connector controlled by digit impulses received over said line, contacts on each counting relay for selecting two other lines, and means controlled in accordance with the value of the digit received for making a selection between the two lines selected by any counting relay.

2,100,524

SWITCH MECHANISM

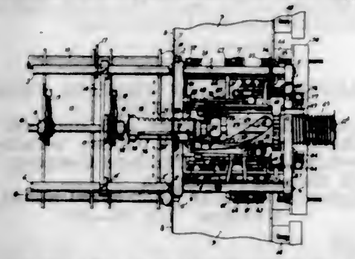
Hans Sengebusch, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application July 29, 1935, Serial No. 33,705. Divided and this application June 17, 1936, Serial No. 85,685

8 Claims. (Cl. 179—27.52)

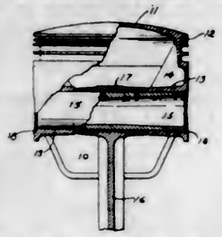
1. In a switch mounting arrangement comprising an upright, switchbanks mounted on said

upright, a key-hole slot and rectangular opening in said upright for each switch mounting space, switches each including a wiper shaft and wipers for cooperation with said switchbanks, a locking lug on each switch, shoulders on said lugs co-



operating with said slots for centering and locking said switches on said upright, and a plate on each switch frame having a tongue section for cooperating with said rectangular openings to assist in centering and locking said switches in place.

2,100,525
PISTON
Charles E. Sorensen, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application March 22, 1935, Serial No. 12,392
4 Claims. (Cl. 309—19)



1. In combination, a piston, a piston pin, and a connecting rod, the intermediate portion of said piston pin being rotatably mounted in said connecting rod while the end portions of said pin are rotatably mounted in suitable bearing bosses in said piston, and said combination being characterized by having two pairs of ears formed from the material of said piston, each pair of said ears extending inwardly toward the axis of said pin from diametrically opposite points thereabout over the respective ends of said piston pin, for the purpose described.

2,100,526
BUCKLE
Albert P. J. Voigt and Lawrence M. Still, Galveston, Tex., assignors to Galveston Buckle Company, a corporation
Original application March 29, 1932, Serial No. 601,738. Divided and this application July 27, 1936, Serial No. 92,806
3 Claims. (Cl. 24—26)

1. A bale tie buckle comprising a wire bent to a four-sided figure having two sides and two ends, a substantially right angle bend at one corner so that one end and one side lie in the same plane, a hook formed in the wire of said end, said hook extending in a plane transversely of the side and end, a hump in said end to throw said hook out of the plane of said side and end, a substantial right angle bend at a second corner to form the second end in substantially the same plane as said first side and



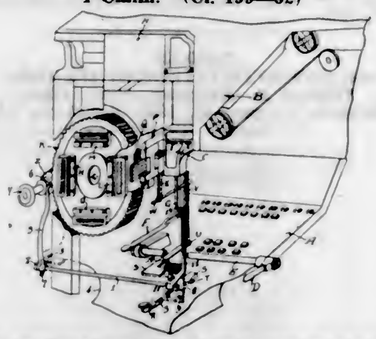
end, and an acute angle bend in the wire at a third corner to form a second side, the wire of said second side extending across said first end inside of said hook.

2,100,527
PREPARATION OF AMINO-HALOGEN ANTHRAQUINONES
Myron S. Whelen, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1936, Serial No. 87,120
3 Claims. (Cl. 260—60)

1. In the process for preparing 1-amino-6-halogen-anthraquinone, the step which comprises reacting 6-halogen-1-anthraquinonesulfonic acid alkali metal salts with ammonia under pressure at a temperature not sufficiently high to cause replacement of the halogen atom.

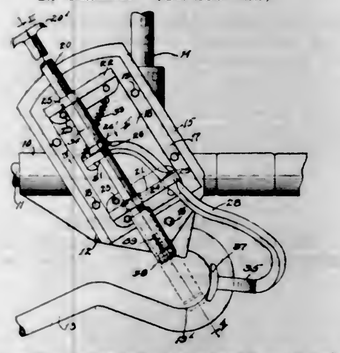
3. In the process for preparing 1-amino-6-chloroanthraquinone, the step which comprises reacting 6-chloro-1-anthraquinonesulfonic acid alkali metal salts with ammonia of approximately 25% concentration in the presence of an oxidizing agent, at a temperature not to exceed 170° C., and under a pressure of from 200 to 300 pounds.

2,100,528
ATTACHMENT FOR TYPE CASTING MACHINES
Joe V. Whitmer, Los Angeles, Calif.
Application March 9, 1934, Serial No. 714,785
1 Claim. (Cl. 199—52)



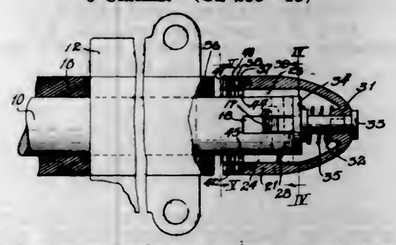
In combination with a type casting machine having an assembling elevator in which a plurality of matrices are assembled and having molding apparatus for molding lines of type when said matrices are started into operation by delivery of said matrices from said assembling elevator and having a pinion manually operable by the operator for moving said mold disk to select different ones of said molding blocks and having ejector means for ejecting molded lines of type from said molding blocks, an ejector adjusting lever for adjusting said ejector to correspond to the selected molding blocks, an attachment for said machine including a shaft extending across said machine below said pinion and said assembling elevator, a locking lever secured to said shaft and disposed at the rear of said assembling elevator for movement between a position engaging said assembling elevator and to a position disengaging said assembling elevator, a pinion lever secured to said shaft and extending upwardly into engagement with said pinion, whereby movement of said pinion to make a selection of molding blocks will rotate said shaft and move said locking lever into engagement with said assembling elevator, spring means normally urging said locking means out of engagement with said assembling elevator, latch means for holding said locking means into engaged position when so moved, and means actuated by movement of said ejector adjusting lever for releasing said latch means.

2,100,529
MAIL POUCH CATCHER
Ernest L. Woolsey, Council Bluffs, Iowa
Application November 18, 1936, Serial No. 111,337
12 Claims. (Cl. 258—22)



1. Retention means for a railway mail catcher comprising a retention bar shiftable axially toward the bottom of the mail pouch receiving crook of the catcher arm by spring means, and trigger mechanism normally set to withhold the movement of said bar by said spring means and located to be in the path of a caught pouch for actuation thereby to release said bar for shift by said spring means to retain the caught pouch in the catcher arm crook.

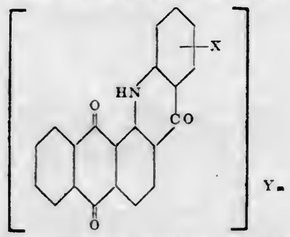
2,100,530
LOCK FOR MAIL CATCHER ARM SUPPORTING BAR
Ernest L. Woolsey, Council Bluffs, Iowa
Application December 10, 1936, Serial No. 115,061
6 Claims. (Cl. 258—15)



1. Lock structure for the supporting bar of a mail catcher, said lock structure comprising projections on the bar end, a lock housing in the form of a cap applicable to the bar end and having guideways receiving said projections for guiding the axial movement of said cap, said cap having lock notches intermediate said guideways and having inclines effective upon rotation of said cap to bring said lock notches into alignment with said projections, and spring means within the cap for engaging the bar end to be compressed when the cap is applied axially to the bar end whereby to resist such rotary movement and to be effective to shift said cap for reception of said projections in said lock notches whereby to lock said cap to said bar end.

2,100,531
MIXED CHLORO-FLUORO ANTHRAQUINONE ACRIDONES
Alexander J. Wuertz, Carrollville, and William Dettwyler, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 16, 1935, Serial No. 11,417
4 Claims. (Cl. 260—37)

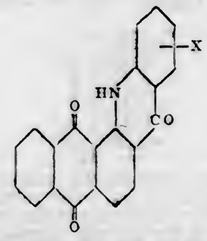
1. Mixed halogen-anthraquinone-2,1-benzacridones of the following general formula:



wherein X stands for substituents of the class consisting of F_n and CF_3 wherein n stands for a number not greater than 2, Y stands for a halogen of the class consisting of bromine and chlorine and m stands for a number not greater than 4.

2,100,532
FLUORO COMPOUNDS OF ANTHRAQUINONE-2,1-BENZACRIDONE
Alexander J. Wuertz, Carrollville, and William Dettwyler, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 16, 1935, Serial No. 11,418
4 Claims. (Cl. 260—37)

1. Compounds having the following general formula

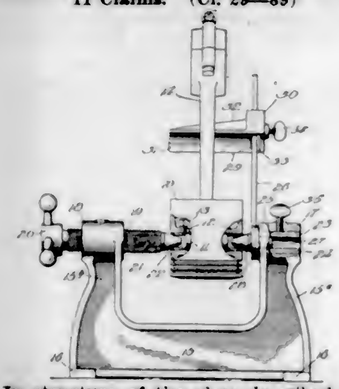


wherein X stands for substituents of the class consisting of F_n and CF_3 wherein n stands for a number not greater than 2.

2,100,533
CONDENSATION PRODUCTS OF 1-AMINO-ANTHRAQUINONE 2-PHENYL AZOMETHINE
Alexander J. Wuertz, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1937, Serial No. 127,201
3 Claims. (Cl. 260—60)

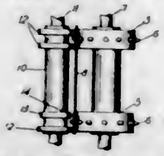
2. Compounds obtainable by the condensation of an amino-substituted halogen-anthraquinone with 1-aminoanthraquinone-2-phenylazomethine.

2,100,534
PISTON FIXTURE
Herman W. Zimmerman, North Chicago, Ill., assignor to Automotive Maintenance Machinery Co., North Chicago, Ill., a corporation of Illinois
Application June 6, 1936, Serial No. 83,925
11 Claims. (Cl. 29—89)



1. In structure of the class described, a self-contained unit comprising a frame, adjustable means carried by said frame for engaging and supporting a part of the piston structure, and separate means adjustably carried by said frame and movable relatively to said means and to a connecting rod assembled with the piston for independently supporting the connecting rod at any desired position relative to the piston.

2,100,535
MOVING PICTURE MACHINE
Wilber Smith Boggs, Las Animas, Colo.
Refiled for abandoned application Serial No. 721,348, April 19, 1934. This application July 6, 1936, Serial No. 89,113
7 Claims. (Cl. 271—2.3)



5. In an apparatus for the projection of motion pictures with sound, an idler roller having two pairs of flanges projecting radially from the roller to hold a film in contact with a film-driving roller, one of the said flanges being of lesser diameter than others to normally clear the sound-track of the film.

2,100,536
REED HOOK
George T. Buchanan, Detroit, Mich.
Application March 14, 1934, Serial No. 715,445
1 Claim. (Cl. 28—45)



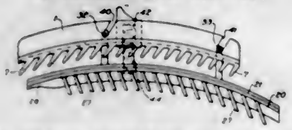
In a reed hook of the class described, a transferring mechanism comprising a pair of resilient legs engageable with each other, adjacent one of their ends, the opposite ends thereof being spaced apart; and a threaded member projecting through the spaced apart ends of said legs and adapted upon threaded movement for adjusting the tension of said legs at their engaging ends.

2,100,537
FERROUS METAL
Martin J. Conway, Coatesville, Pa.
Application August 26, 1935, Serial No. 37,811
13 Claims. (Cl. 75—22)



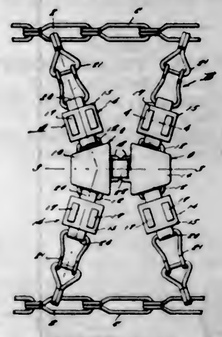
4. That method of making ferrous metal articles which includes the steps of applying to the surfaces of solid steel, iron, or steel and iron material, a coating comprising an oxide adapted to confer corrosion resistance on the finished article, and hot working at a welding temperature a mass composed of a plurality of pieces of such coated material and integrally welding said pieces into a consolidated, unitary and mechanically strong article having said oxide retained therein as a wrought iron-like structure and in an amount imparting corrosion resistance to the article.

2,100,538
HAIR WAVING APPARATUS
John B. Copenhefer, Louisville, Ky.
Application September 10, 1936, Serial No. 100,138
19 Claims. (Cl. 132—38)



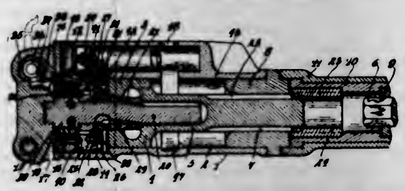
1. Hair waving apparatus comprising in combination, an elongated channel member having comb-like teeth disposed along the sides thereof and inclined in one direction, a wave forming member journalled in the channel member and having teeth inclined in another direction, means holding the members together for sliding engagement during the wave forming operation and means for automatically disengaging the members when the wave is formed.

2,100,539
ANTISKID DEVICE
Howard S. Fritts, Washington, N. J., assignor of one-half to Helen S. Bowers, Washington, N. J.
Application March 16, 1937, Serial No. 131,248
5 Claims. (Cl. 152—14)



2. In an anti-skid device for automobile wheels and tires, a twin section unit substantially H-shaped in top plan view, said unit being composed of duplicate sections, said sections being provided at their outer ends with flexible adapter and anchoring chains, being provided at their central portions with hingedly connected rubber cushioning and anti-skid blocks, provided on opposite sides of said blocks and between said adapter chains with calk-equipped members, and means hingedly and separably joining the rubber central blocks in the manner and for the purposes described.

2,100,540
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,010
12 Claims. (Cl. 121—12)



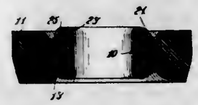
1. In a pressure fluid motor, a cylinder having a bore, a piston reciprocable therein, fluid distribution means for effecting reciprocation of said piston including a valve box having a valve chamber, a valve box cover, a fluid actuated fluid distributing valve reciprocable in said valve chamber, valve throwing means, and means associated with the fluid distribution means for varying the piston blow including said valve box cover, the latter being adjustable relative to the valve box to effect such piston blow variations.

2,100,541
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,014
13 Claims. (Cl. 121—12)



1. In a pressure fluid motor, a cylinder having a bore, a hammer piston reciprocable therein, a fluid actuated fluid distributing valve having a throwing area, a valve chest having cooperating parts providing a valve chamber in which said valve is arranged, passages controlled by said valve for conducting pressure fluid to said cylinder bore, a plurality of throwing passages communicating with the cylinder bore, respectively, through ports spaced longitudinally of the cylinder, and adjustable means including at least a part of said valve chest adjustable relative to said cylinder for selectively connecting said throwing passages in communication with said valve throwing area to effect throwing of the valve at different points in the piston stroke thereby to vary the valve actuation and the blow of the piston.

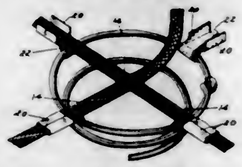
2,100,542
WHEEL WITH RUBBER-LIKE TREAD
Edward A. Grange and Erwin J. Schmidt, Chicago, Ill., assignors to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application November 15, 1935, Serial No. 49,880
8 Claims. (Cl. 301—5.3)



3. In a wheel of the type described for roller skates and the like; the combination of an uninterrupted tread member of soft rubber-like material having a centrally located opening therethrough; a sleeve of substantially greater external size than the size of said opening, when said member and sleeve are dissociated, positioned in said opening and serving to hold the tread member in stretched and expanded condition; and flanges, having their inner faces convergently disposed outwardly with respect to each other, at opposite sides of said tread member, held in position by the sleeve and adapted by engagement with side face portions of the stretched and expanded tread member to hold it

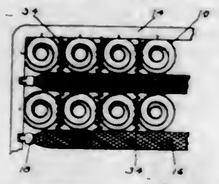
permanently in substantially compressed condition axially and in operative position on the sleeve.

2,100,543
SPRING STRUCTURE
Lawrence H. Hamilton, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application August 31, 1935, Serial No. 38,689
3 Claims. (Cl. 5—263)



1. A yielding supporting structure comprising a plurality of coil springs, and devices each supporting a plurality of said springs and each of which includes a considerable number of metal wires extending entirely across the structure and which are braided together to form a wide and flat spring support of great strength and resilience, and means for attaching the wires to the springs including means for embracing and holding substantially the entire width of said support, said means including attaching clips each having a portion underlying its supporting device at one side of the bottom coil of one of the springs and provided at its end with a relatively long lug bent around said bottom coil and into the space between said portion and said device and provided at its sides with lugs bent inwardly over said supporting device and holding the supporting device and the end lug gripped in place.

2,100,544
SPRING STRUCTURE
Lawrence H. Hamilton, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application November 9, 1936, Serial No. 109,841
4 Claims. (Cl. 5—267)

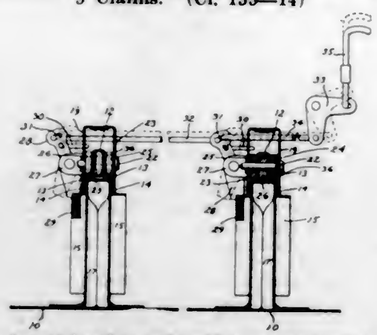


2. A spring structure comprising a plurality of rows of vertically-arranged coil springs and upper and lower frames surrounding said springs and the lower of which is provided with means supporting the lower ends of said springs, lengthwise-yieldable parallel wide supports each connected at its ends to the upper frame and arranged between each two rows of springs in one direction of said structure substantially in the plane of the upper ends of said springs, and horizontally-arranged tensioned coil springs arranged at right angles to said supports between said vertically-arranged springs and which encircle and secure together the top coils of adjacent pairs of vertically-arranged springs and which engage and support said parallel wide supports between said rows of vertically-arranged springs.

2,100,545
WELDING ELECTRODE
Hugo W. Hiemke, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
No Drawing. Application August 16, 1934, Serial No. 740,117
2 Claims. (Cl. 219—8)

1. A covered electrode for metallic arc welding consisting of a metal rod of nickel or nickel alloy, and a heavy covering thereon comprising about 12 parts of titanium oxide, about 13 parts of wood flour, about 6 parts of ferro-manganese all by weight, and an additional amount of silica bearing compound to protect the wood flour from premature decomposition and to enter into the slag.

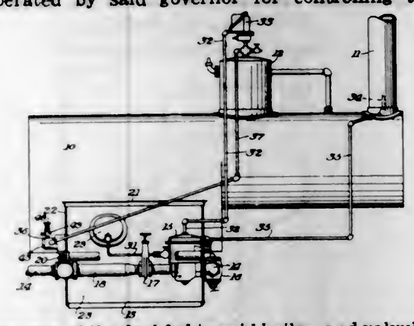
2,100,546
AUTOMOBILE SEAT TRACK CONSTRUCTION
Clarence F. Kramer, Detroit, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 15, 1936, Serial No. 96,235
5 Claims. (Cl. 155—14)



5. A seat track construction comprising, a pair of inverted channel-shaped members, a pair of lower tracks extending outwardly from the bottom edges of the channel arms of said members, each of said channel arms having a longitudinally extending slot therethrough, a pair of ribs extending downwardly from the outer edges of each of said tracks, supporting brackets, fixed to each of said tracks at opposite ends thereof, said brackets extending upwardly between said ribs and abutting the undersides of said tracks, an inverted channel-shaped carriage member adapted to reciprocate along each of said track channels, the arms of said carriage members extending down over said ribs, a pin extending transversely through the arms of said carriage members and through the slots in the first-mentioned channel, a pair of rollers disposed on each pin within said carriage channel member so as to roll against the top edges of each of said construction tracks, and a roller mounted upon each pin between the arms of said first-mentioned channel member so as to roll against the underside of said first-mentioned channel web, and means for locking said carriage members in various positions along said track members.

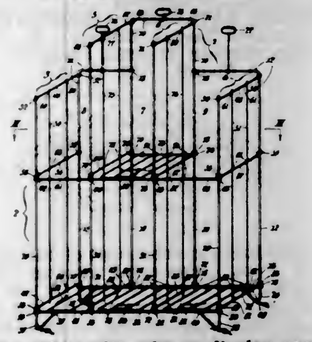
2,100,547
SUPPLEMENTARY CONTROLLED DRAFT FOR FUEL BURNERS
Clarence Verne Martin, Toledo, Ohio, assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,371
2 Claims. (Cl. 236—26)

1. In apparatus for controlling a draft inducing stack jet in a fluid fuel fed boiler, the combination of a boiler governor actuated in response to the steam demand on said boiler, a regulator operated by said governor for controlling the



pressure of the fuel fed to said boiler, and valvular means operated by the pressure of the fuel for controlling the amount of steam fed to the stack jet.

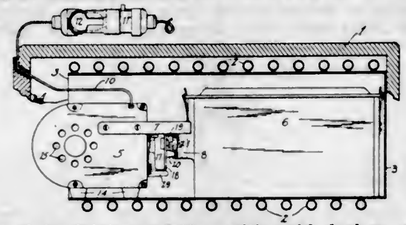
2,100,548
DISPLAY RACK
David J. Maxin, Philadelphia, Pa., assignor to Smith, Kline & French, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 27, 1935, Serial No. 56,332
1 Claim. (Cl. 211—85)



A collapsible multi-column display rack comprising a back component with vertical end bars, vertical intermediate bars and connecting cross bars at different levels; a front component with vertical end and intermediate cross bars corresponding to those of the back component; end components and intervening partitioning components having spaced vertical bars, and connecting cross bars at different levels having pivot ears at opposite ends engaging the corresponding end and intermediate vertical bars of the back and the front components, and shelves in the several columns of the rack, each shelf being pivotally connected to a cross bar of the back component and adapted to rest with its swinging edge resting on a corresponding bar of the front component.

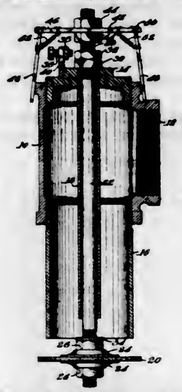
2,100,549
MOTOR DRIVEN FOOD CHURNING DEVICE
John B. McFerran, Jr., Louisville, Ky., assignor to Louisville Electric Manufacturing Co., Louisville, Ky., a corporation of Kentucky
Application December 1, 1932, Serial No. 645,153
4 Claims. (Cl. 259—110)

1. In a food churning device of the class described, the combination with a churning vessel having a dasher and adapted for insertion into the freezing compartment of a mechanical refrigerator, of a motor arranged adjacent to said



vessel in driving relation with said dasher, and connecting means securing the motor to the vessel, said means including portions of low heat conductivity which substantially limit the direct transfer of heat from the motor to the vessel.

2,100,550
EMERGENCY SHUT-OFF VALVE
Wesley W. Moore, Hobbs, N. Mex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 20, 1934, Serial No. 753,815
4 Claims. (Cl. 137—153)

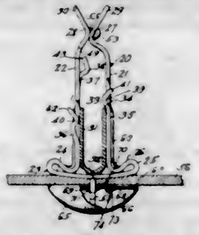


1. A shut-off valve for an internal combustion engine comprising a housing having an inlet opening and an outlet opening adapted to be attached to the air intake of said engine, a vertically movable valve adapted to seat upon said housing around said inlet opening when said valve is in its closed position, a valve stem attached at its lower end to said valve and extending upwardly through said housing, said valve being held normally in its open position by gravity, and latch means attached to the upper end of said valve stem for holding said valve in its closed position when said valve has been raised due to a sudden rush of air around the valve and through said housing produced by an abnormal increase in the suction of said engine.

2,100,551
RADIATOR COVER CLIP
Daniel I. Reiter, New York, N. Y.
Application October 18, 1935, Serial No. 45,565
14 Claims. (Cl. 24—73)

1. In a spring clip for use in holding an automobile-radiator-cover to the grill bar of an automobile radiator, a spring head, a pair of sides

spaced transversely for part of the length thereof extending from the head, and a plurality of bent parts of said sides for engaging the edges of grill bars of different widths, said parts being arranged in longitudinally spaced relation, each of said parts being bent integrally from the mate-



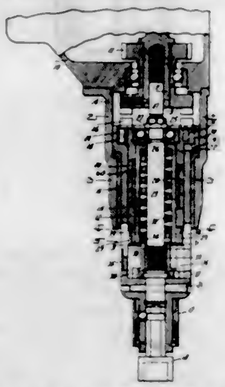
rial of one of the sides and being each provided with an inwardly and transversely directed bend in the shape of a reverse curve, the innermost points of the bends being at different distances from the head and extending inwardly different distances, and interengaging cooperating locking means on said sides.

2,100,552

CLUTCH MECHANISM FOR POWER OPERATED PORTABLE TOOLS

Charles W. Ripsch and Bernard H. Wuebben, Dayton, Ohio, assignors to The Buckeye Portable Tool Company, Dayton, Ohio, a corporation of Ohio

Application January 12, 1934, Serial No. 706,416
3 Claims. (Cl. 192—56)



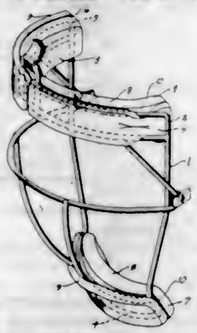
1. In a power operated portable tool, a rear driving member, means for rotating the same, a tubular front driving member having parts extending inwardly from the wall thereof and spaced one from the other to form longitudinal slots, a supporting member adapted to be inserted in said front driving member from one end thereof and having integral lugs extending into said slots, a spring acting on said supporting member to move the same rearwardly, a driving spring arranged within said front driving member and connected with said rear driving member for rotation thereby, and a spring seat mounted about said supporting member, supported by said lugs and connected with said driving spring for rotation thereby, said spring seat and said lugs having opposed cam surfaces to form a slip connection between the same.

2,100,553

FACE MASK AND BUTTON TYPE PAD

William A. Schutt, Litchfield, Ill.

Application June 18, 1936, Serial No. 85,860
3 Claims. (Cl. 2—9)



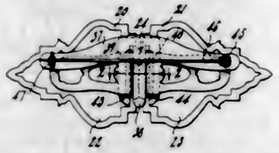
1. As a new product of manufacture a face mask for sports and shaped to define spaced button engaging openings therein, resilient pad members for the mask and each shaped to define a detachable button type pad having a peripheral slot around it to detachably engage said button engaging openings of the mask.

2,100,554

BROOCH AND CLIPS COMBINATION

Gennaro Tavani, Brooklyn, N. Y.

Application October 17, 1936, Serial No. 106,072
8 Claims. (Cl. 63—1)



1. A mounting for dress clips of the type comprising a front ornamental member having a ridge rearwardly projecting from its rear surface along its inner edge, a spring clasp, and a pivotal support for said clasp having its base made integral with said ridge and projecting beyond the inner side thereof so as to leave a clearance between said base and the rear surface of said front ornamental member, said mounting comprising two latch tongues spaced from each other a distance corresponding to the distance between the inner surfaces of their ridges when two clips are arranged with their inner edges in abutting relation to each other, each tongue being insertable endwise under the projecting portion of the base of the pivotal support of the corresponding clip and having its outer end adapted to engage and interlock with the outer end of said support so as to form with said clip a composite brooch assemblage.

2,100,555

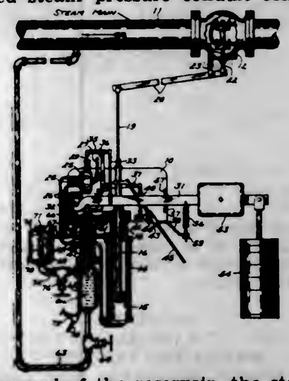
STEAM PRESSURE REGULATOR

Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Application February 11, 1935, Serial No. 5,991
2 Claims. (Cl. 60—54.5)

1. A control mechanism for a steam pressure regulator comprising a cylinder, a piston slidable in the cylinder, loading means biasing the pis-

ton in one direction, a reservoir connected at its upper end to the cylinder, a body of oil in the reservoir and in contact with the piston, and a U-shaped steam pressure conduit connected to



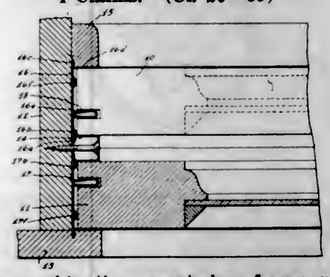
the lower end of the reservoir, the steam pressure conduit serving to retain a confined body of water beneath the oil and in direct contact therewith.

2,100,556

WEATHER STRIP

Vincent E. Van Fleet, Detroit, Mich.

Application October 10, 1936, Serial No. 104,921
4 Claims. (Cl. 20—69)



3. In combination, a window frame member having flat sides, a pair of stops each secured directly on a flat side of said frame member and forming therewith a channel for the edge of a window sash, one of said stops having a metallic surface and the other a wooden lateral surface facing said metallic surface, and a metal weather strip lying in said channel, said weather strip having portions extending outwardly of said channel and covered by said stops and having a flange covering a part of said wooden lateral surface.

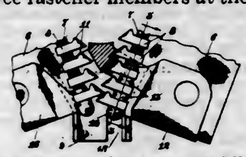
2,100,557

SEPARABLE FASTENER

George Wintritz, Springdale, Conn., assignor to Hookless Fastener Company, a corporation of Pennsylvania

Application July 27, 1933, Serial No. 682,480
6 Claims. (Cl. 24—205)

1. A separable interlocking fastener comprising a pair of flexible tapes, rows of fastener members secured in spaced relation along the edges of said tapes, said fastener members having cooperating recesses and projections for interlocking engagement, and means for preventing separation of the fastener members from the initially connected end while permitting separation by a tearing action from the other end, which comprises a sheet metal piece bent around one stringer and having portions filling the spaces between at least three fastener members at the end where-



by said fastener members are rigidly supported against flexing relative to one another whereby said fastener members themselves may prevent unintentional separation while the fastener is closed.

2,100,558

AIRTIGHT COVER RELEASER FOR CONTAINERS

Dimitrije M. Zivanow, New York, N. Y.

Application February 2, 1937, Serial No. 123,593
3 Claims. (Cl. 220—43)



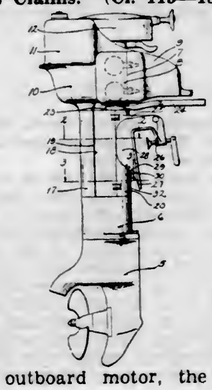
1. An airtight cover releasing attachment for a container having a removable cover provided with a side wall having an opening therethrough, comprising a sleeve mounted on said side wall and projecting therethrough, an L-shaped opening extending through said sleeve, a bell crank pivotally mounted in said sleeve and extending through said sleeve opening, said bell crank having a handle on one end outside said cover and a lug on the other end inside said cover, said lug resting on the lip of the body of the container when the can is closed by said cover, rotation of said handle toward said cover causing said lug to force said lip away from said cover to release the latter, the walls of said L-shaped opening lying flush against and frictionally engaging said bell crank, said sleeve having a peripheral groove intermediate its length, the periphery of said cover opening registering in said groove to lock said sleeve on said cover.

2,100,559

OUTBOARD MOTOR

Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan

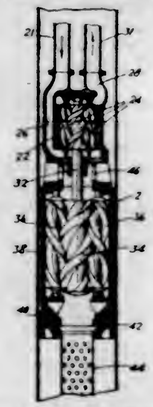
Application June 14, 1934, Serial No. 730,545
8 Claims. (Cl. 115—18)



1. In an outboard motor, the combination

with a lower unit and power head, of means interposed between said lower unit and power head which are relatively movable in the dirigible movement of said lower unit, said means being together provided with complementary exposed surfaces each of which comprises an extension of the other in the normal position of the parts and with complementary forward and rearward surfaces laterally movable with respect to each other upon the dirigible movement of the lower unit, one of said means being connected with said lower unit to turn therewith.

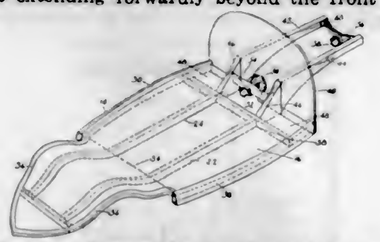
2,100,560
DEEP WELL PUMP
Frank W. Kennedy, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a corporation of New Jersey
Application December 2, 1933, Serial No. 700,660
1 Claim. (Cl. 103—118)



In combination with a well casing, a well pump unit including a hydraulic motor, a pump mounted in a housing adjacent the motor, and driving connections between the motor and pump; a conduit arranged within the casing to lead liquid from the surface to drive the motor; and another conduit arranged within the casing to return the motor driving liquid to the surface separately from the liquid being pumped; said casing being provided with a seat engageable by a portion of said housing below the pump, whereby, when the unit is in operative position, communication, except through the pump, is cut off between the portions of the casing above and below said seat.

2,100,561
VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application April 4, 1934, Serial No. 718,929
16 Claims. (Cl. 280—106)

1. An automobile chassis base or frame comprising a floor board, longitudinally-extending structural members secured to the bottom face of the floor board, a bottom plate secured to the lower surfaces of said members and secured at their side edges to the side edges of the floor board, said bottom plate and said floor board being provided with reinforcing and strengthening means extending along the sides of the frame, a rear power-plant support mounted on the frame adjacent the front end of the floor board, and continuations of said structural members extending forwardly beyond the front end



of the floor board and spaced apart to permit a power plant to be arranged between them and having a front power-plant support alined with said rear support.

2,100,562
OVERLOAD CLUTCH
Adolph J. Lippold, Milwaukee, Wis., assignor to Cherry-Burrell Corporation, Chicago, Ill., a corporation
Application July 11, 1936, Serial No. 90,100
9 Claims. (Cl. 192—56)

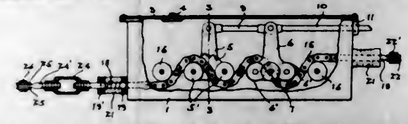


4. In a device of the character described, the combination with driving and driven members rotatable substantially upon a common axis, one of said members having a coupling lever pivotally mounted adjacent its periphery and extending substantially radially thereof but slightly offset at its free end from said axis, a part carried by the other of said members and interlockingly engaged with said coupling lever in the aforesaid position thereof, said coupling lever being adapted to release said part upon movement of its free end across said axis, a latch lever pivoted to the member carrying the coupling lever and having its fulcrum at one side of said axis, said latch lever being yieldably engageable with the coupling lever to retain it yieldably in its normal position of engagement with said part, and a spring acting on the free end of said latch lever for yieldably maintaining it pressed toward the end of said coupling lever.

2,100,563
BRAKE APPLYING AND EQUALIZING MECHANISM FOR MOTOR CARS
John Mitchell Macpherson and James Alexander Stodgell, North Bay, Ontario, Canada
Application March 18, 1936, Serial No. 69,500
7 Claims. (Cl. 188—204)

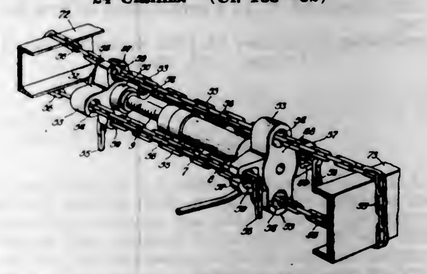
1. A brake-applying mechanism comprising the combination with the brakes to be applied and a flexible operating element interposed therebetween, of a plurality of lever members mounted

with their axes spaced parallelly apart in the direction of the length of said flexible operating element, means carried by said plurality of levers for effecting the lateral distortion of said flexible member at a plurality of points in the length thereof on the swinging of said levers, and



means for swinging said plurality of levers in unison including an operating connection between said respective levers, whereby an amplified brake-applying force is obtained with a slight displacement only of said levers and with the minimum lateral distortion of said flexible element at any one point.

2,100,564
METHOD OF PRODUCING A PULLING STRESS AND HYDRAULIC PULLING MECHANISM
Siegmund Mandl and Edward M. Pfauser, Milwaukee, Wis., assignors to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 16, 1935, Serial No. 11,514
24 Claims. (Cl. 153—32)

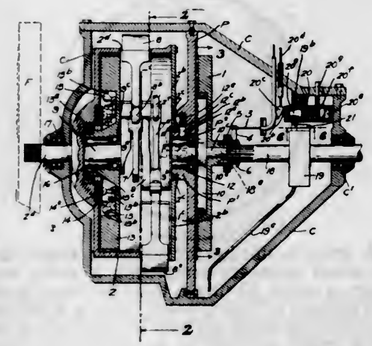


1. In a mechanism of the class described comprising a power unit including an axially movable plunger, separate means carried by said plunger and at the opposite end of said unit for receiving separate chain members, each of said means including means for guiding the movement of the chain member secured to the other of said means, and a flexible conduit connected to said unit for supplying liquid under pressure thereto to move said plunger outwardly of said unit.

13. The method of producing a pulling stress between two spaced members which comprises securing tension means to said members, extending the ends of said means into the space between said members in overlapping relation, connecting the extending portions of said means to opposite ends of a power unit so that the tension means from one of said spaced members extends alongside said power unit and is connected to the far end thereof, the other tension means extending from the other spaced member alongside said power unit and being connected with the opposite end of the latter, and hydraulically expanding said unit to separate said ends and pull the portions of said tension means engaging said members toward each other.

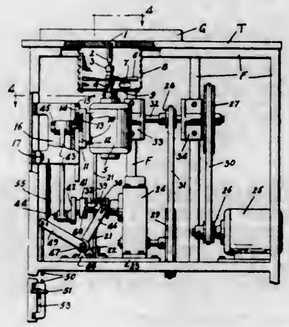
2,100,565
AUTOMATIC CHANGE SPEED TRANSMISSION
Albert F. Marcott, San Diego, Calif.
Application July 14, 1934, Serial No. 735,219
19 Claims. (Cl. 74—64)

1. In an automatic change speed transmission, a revolubly mounted drum, a crank shaft revoluble relatively to said drum, weights positioned in oppositely disposed relation to each other on separate crank portions of said crank shaft, each of said weights provided with laterally extending rigidly connected arms, and connecting rods connecting each of said arms with said drum on the opposite side of said drum from



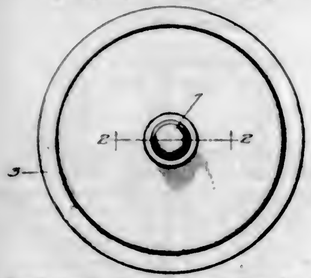
said weights, an arm member secured to the one end of said crank shaft provided with oppositely disposed arm portions, a fly wheel mounted in connection with said arm member revoluble relatively thereto, and springs connecting the extended ends of said arms with said fly wheel whereby said fly wheel is turned by said crank shaft through said arms and springs.

2,100,566
ROUTER
Oscar L. Munding, Glendale, Calif.
Application September 29, 1936, Serial No. 103,175
4 Claims. (Cl. 144—136)



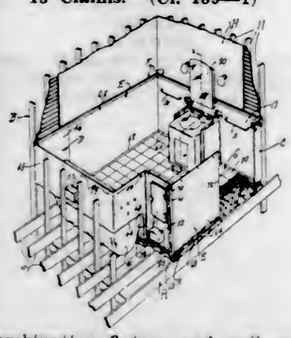
1. In a machine of the character described, a frame, a work support thereon, a rotary cutting tool, a motor for rotating said tool, and power actuated means for moving said tool both horizontally and vertically against and relative to the the work supported on said work support, said means including a continuously operating means for moving the tool horizontally and means manually controlled for effecting the vertical movement of the tool at will.

2,100,567
KNOB ATTACHING MEANS
Andrew W. Nelson, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Inc., Terre Haute, Ind., a corporation of Indiana
Application May 18, 1936, Serial No. 80,380
2 Claims. (Cl. 16—121)



2. A knob mounting for securing knobs upon sheet metal members comprising a sheet metal member, a screw having a bevelled head welded to the surface of the member, and a knob having a screw threaded opening for said screw, said opening being bevelled at its mouth to receive the head of the screw, the surface of said member having a plurality of coats of enamel thereon and said screw having one coating of enamel thereon.

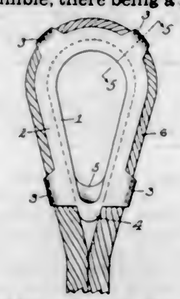
2,100,568
COMBINATION FIXTURE AND WALL UNIT WITH JOINTS AND TRIMS THEREFOR
Jabez Herbert Norris, Covington, Ky.
Application November 27, 1936, Serial No. 113,081
13 Claims. (Cl. 189—1)



1. A combination fixture and wall unit comprising a fixture including a supporting skirt and a wainscot integral with the fixture and including fixture-supporting portions extending upwardly from and laterally of the fixture and defining an opening at the rear of the fixture.

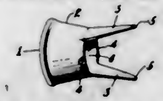
2,100,569
THIMBLE FOR ROPE SLINGS
William C. Russell, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Wisconsin
Application October 7, 1935, Serial No. 43,847
2 Claims. (Cl. 114—115)

1. As an article of manufacture, a rope thimble comprising a rigid thimble body, outwardly directed rigid flanges formed integrally therewith, and a plurality of outwardly directed, flexible lugs formed integrally with said flanges, said lugs adapted to be bent over a rope which is to lie within the space bounded by said flanges, said thimble shaped with sides converging toward one end of the thimble, there being a section integrally



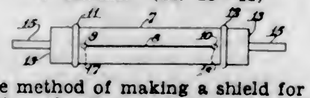
joining said sides, adjacent the narrower end of said thimble, said section provided on its outer face with an outwardly directed projection rounded in the plane of the thimble as a whole.

2,100,570
ANCHORING DEVICE
Gabriel E. Rohmer Saleh, New York, N. Y., assignor to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey
Application September 23, 1936, Serial No. 102,111
12 Claims. (Cl. 72—105)



1. In an anchoring device the combination of two separate expanding members, each having protruding wings, which are adapted to contact with the other expanding member, and an expansible binding member, holding the two expanding members together.

2,100,571
METHOD OF AND APPARATUS FOR MAKING RUBBER OR LATEX ARTICLES
Abraham N. Spánel, Rochester, N. Y.
Application August 10, 1933, Serial No. 684,547
Renewed June 18, 1936
8 Claims. (Cl. 18—41)



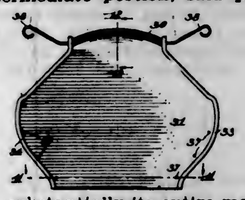
1. The method of making a shield for a sanitary pad or the like which comprises dipping a progressively moving form into liquid rubber or the like to deposit a layer of the rubber thereon, providing an opening in each end of the deposited layer, and forming an elongated opening in one side wall of said deposited layer during its progressive movement.

7. The method of making a latex article which comprises providing a form of approximately the desired outline of said article, depositing a layer of latex on said form, simultaneously accumulating spaced reinforcing masses of latex in said layer, and parting said layer from one of said masses to the other.

2,100,572
FORM FOR MAKING LATEX ARTICLES
Abraham N. Spánel, Rochester, N. Y.
Application August 11, 1934, Serial No. 739,469
5 Claims. (Cl. 18—41)

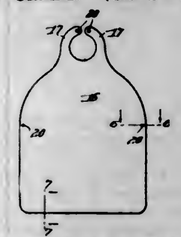
1. A form for making latex pants or the like

by dipping, comprising a panel having a constricted intermediate portion, said panel being



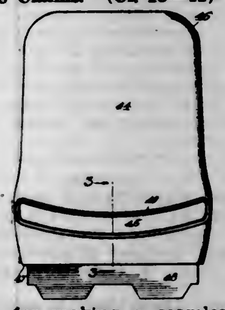
bounded at substantially its entire margin by an abrupt edge.

2,100,573
FLAT SHEET LATEX ARTICLE
Abraham N. Spánel, Rochester, N. Y.
Application August 16, 1934, Serial No. 740,141
12 Claims. (Cl. 2—49)



1. A seamless deposited latex sheet-like article having its entire margin reinforced by an accretion of latex integral therewith.

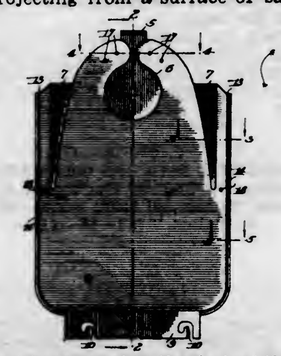
2,100,574
FORM FOR MAKING POUCHES
Abraham N. Spánel, Rochester, N. Y.
Application August 31, 1934, Serial No. 742,294
8 Claims. (Cl. 18—41)



1. A form for making a seamless deposited latex pouch, one end of said form terminating in an abrupt edge substantially in the plane of a main surface of the form, one of the surfaces only of said form being provided with a recess remotely located with respect to said edge and having its long axis substantially parallel to said edge, the surface of the form between said recess and said edge being free of recesses.

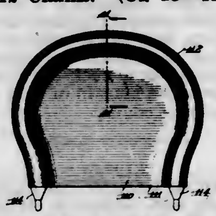
2,100,575
FORM FOR MAKING RUBBER ARTICLES
Abraham N. Spánel, Rochester, N. Y.
Application December 19, 1935, Serial No. 55,214
13 Claims. (Cl. 18—41)

1. A dipping form for making a thin rubber article having a reinforced edge, said form comprising a plate of sheet material to which a layer of liquid rubber will adhere, said plate being cut to approximately the outline of the desired article, and a flange attached to a substantial portion of the margin of said plate, said flange projecting from a surface of said form a



distance at least equal to the desired thickness of the reinforced edge of the article whereby a rubber article having a reinforced margin can be deposited on said form, and means for supporting said form with its principal plane in an upright position.

2,100,576
FORM FOR MAKING RUBBER ARTICLES
Abraham N. Spánel, Rochester, N. Y.
Application December 23, 1935, Serial No. 55,771
12 Claims. (Cl. 18—41)



7. A form for making deposited rubber articles which comprises a relatively thin plate and a rounded border on a substantial portion of the margin of said plate, said border being substantially thicker than said plate.

2,100,577
METHOD AND APPARATUS FOR MAKING RELATIVELY LONG LENGTHS OF LATEX SHEETING
Abraham N. Spánel, Rochester, N. Y.
Application March 9, 1936, Serial No. 67,947
23 Claims. (Cl. 18—41)

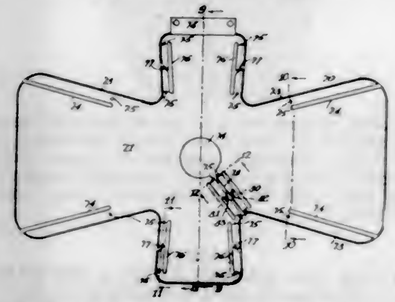


1. The method of making latex sheeting which comprises providing a relatively long band folded back and forth upon itself in spaced relation to

reduce its overall length, dipping the band edgewise into a bath of latex, inverting the band and dipping the same edgewise into a bath of latex to deposit a layer of latex thereon, drying the latex, parting the layer of latex at each edge of the band, and removing the resulting portions of the layer from the band.

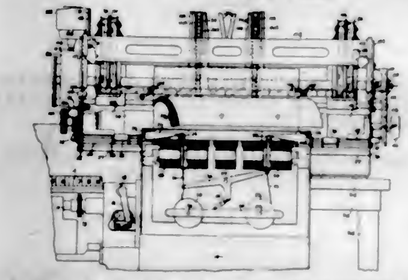
16. A form for making deposited latex strips comprising a relatively long winding band having a raised border on each of its long margins for developing thickened margins on the deposited latex strip.

2,100,578
FORM FOR MAKING GARMENTS
Abraham N. Spánel, Rochester, N. Y.
Application March 30, 1936, Serial No. 71,661
9 Claims. (Cl. 18—41)



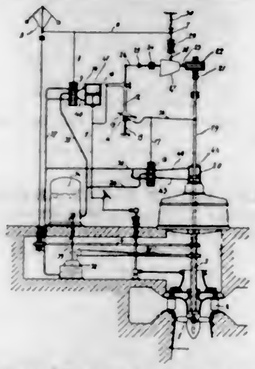
1. A form on which latex articles can be deposited, said form comprising a panel having a central shoulder-generating part and body-generating portions and sleeve-generating portions extending from said part, and means on said panel for generating a neck opening in the resulting garment, the margin of said panel terminating in an abrupt edge.

2,100,579
MANIFOLDING DEVICE
Milton C. Stern and William C. Pfeiffer, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application January 14, 1936, Serial No. 59,114
42 Claims. (Cl. 197—126)



1. In combination, a machine arranged to print a record, printing means on said machine, a plurality of ribbons interleaved between record sheets, means for moving the record sheets, means for moving the ribbons, and means for causing the ribbons to commence their motion before the record sheets begin to move and to continue to move while said record sheets are moving.

2,100,580
DOUBLE GOVERNOR FOR TURBINES
Dieter Thoma, Munich, Germany
Application January 25, 1936, Serial No. 60,787
In Germany January 31, 1935
14 Claims. (Cl. 253—143)



1. A turbine of the kind in which the equalization of load after a decrease of load is effected, during the first phase of the governing process, preponderantly by closing the guide vanes, while the runner blades are closed only to a small extent, and during the second phase of the governing process, by closing the runner blades and readjusting the guide vanes correspondingly, and vice versa, said turbine comprising in combination an adjustable runner blade mechanism, an adjustable guide vane mechanism associated therewith, a control member operatively connected with said runner mechanism, another control member operatively connected with said guide mechanism, means responsive to speed changes such as a centrifugal governor, means associated with said governor for actuating at least one of said control members, a restoring mechanism operatively connecting said latter means with said governor, and a transmission arranged to be influenced by both said control members and adapted to influence said restoring mechanism so as to maintain constant the speed of the turbine during the second phase of the governing process.

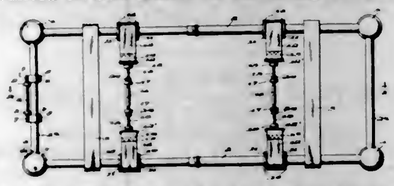
2,100,581
SPINNERET TREATMENT IN THE MANUFACTURE OF ARTIFICIAL SILK
Johannes Gerardus Weeldenburg, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application September 8, 1936, Serial No. 99,819. In the Netherlands October 18, 1935
10 Claims. (Cl. 18—54)

1. In the manufacture of artificial silk a process of treating spinnerets which comprises covering the spinnerets with a wax-like material and retaining the same thereon to inhibit the formation of deposits around the orifices of the spinnerets during the spinning operation.

2,100,582
CASKET PLACER
Shepp A. Williams, Bristol, Va.
Application January 22, 1936, Serial No. 60,318
17 Claims. (Cl. 27—32)

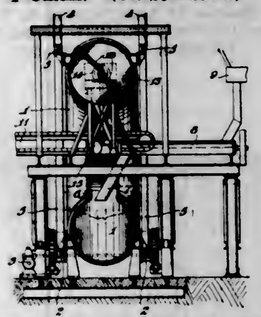
1. In combination, a casket lowering mechanism, including a plurality of rotatable shafts,

belts mounted on said shafts for lowering the coffin to its final resting place, placer belts mounted on said shafts for assuming the load of



the coffin as it is moved into position for lowering, and means for unwinding said placer belts at a faster speed when said shafts are rotated during the lowering operation.

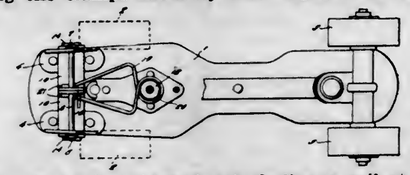
2,100,583
APPARATUS FOR PREPARING SUPERPHOSPHATE
Arthur Wilson, Silloth, England, assignor to J. & W. Maxwell Limited, Carlisle, England
Application January 13, 1936, Serial No. 58,956
In Great Britain January 30, 1935
1 Claim. (Cl. 23—259.2)



A machine for the manufacture of superphosphate and like products comprising a reaction chamber in the form of a hollow ring of substantially circular cross section, vertically disposed and rotatable about its central longitudinal axis, said chamber having end walls rigid with each other and also having an inner opening coextensive circumferential therewith, means for rotating said chamber, means for feeding solidifiable material to said chamber through the said inner opening thereof, said inner opening being of lesser width than the maximum width of the reaction chamber whereby the latter is effective to support the solidified material as it is carried with said chamber to the top thereof, means within said chamber at the top thereof for comminuting the solidified material as it is advanced by said chamber, and a conveyor disposed beneath said comminuting means and near the axis of rotation of the chamber to receive comminuted material falling from said comminuting means through said inner opening.

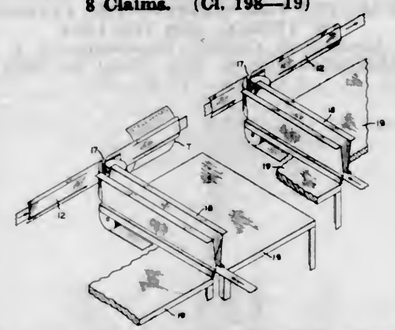
2,100,584
ROLLER SKATE
Robert Wylie, Corvallis, Oreg.
Application June 9, 1936, Serial No. 84,379
1 Claim. (Cl. 280—11.31)

In a roller skate of the type including a foot plate and a tubular truck member depending from said foot plate, a pair of guides mounted on the foot plate, clamps slidably mounted in said guides and engageable with the sole of a shoe, downturned ears on one end of the clamps, and a spring engaged with said ears for yieldingly urging the clamps inwardly into engagement with



the shoe sole, said spring including a coil at an intermediate point encircling the truck member, said spring further including a pair of forwardly converging arms engaged with the ears.

2,100,585
BELT CONVEYER
Bruce Beardsley, Brooklyn, N. Y., and Michael V. Creedon, Westfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application December 31, 1931, Serial No. 584,204. Divided and this application February 4, 1935, Serial No. 4,976
8 Claims. (Cl. 198—19)

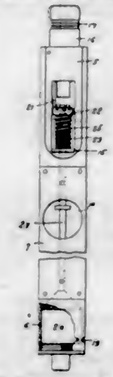


5. In a conveyer system, in which sheets of material are collected from various sources and conveyed to a central point for sorting and distribution, the combination of a plurality of work tables from which the sheets are to be collected, a plurality of collecting conveyers disposed along said work tables to receive the sheets of material therefrom and arranged to deliver the sheets at one end of said work tables in a substantially on-edge position, a common drag conveyer disposed in an on-edge position across the discharge end of the collecting conveyers, said drag conveyer comprising a channel member embodying a slot in the back thereof corresponding to each collecting conveyer, and arranged to admit sheets of material as they are discharged from the collecting conveyers, a belt arranged to travel along the face of said channel and across said slots, and means independent of said channel member for holding the belt in a position to engage said channel face.

2,100,586
WELL CEMENTING DEVICE
Harry G. Campbell, Charleston, W. Va., assignor to United Pipe & Supply Corporation, Charleston, W. Va.
Application September 1, 1936, Serial No. 98,963
4 Claims. (Cl. 166—19)

1. A cementing device for wells comprising an elongated barrel, the barrel being provided with

discharge ports at the lower portion thereof, a valve in the barrel normally closing the ports, a rod extending from the valve, spring means asso-



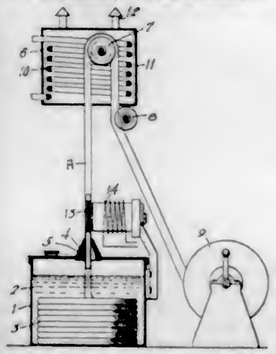
ciated with the rod for urging the rod in a direction removing the valve from the ports, and trip means for the rod.

2,100,587

APPARATUS FOR COATING THE INTERIOR OF TUBING AND THE LIKE

Kenneth M. Chalker, Woodbridge, N. J.

Application July 6, 1936, Serial No. 89,097
4 Claims. (Cl. 91—32)



1. Apparatus for coating the interior walls of tubing and the like comprising means for applying a coating material to the interior of the tubing, a wiping element to be arranged within the tubing being coated, a holding means for said wiping element to be located outside said tubing and magnetically coupled to said wiping element, and means for causing relative movement of the tubing and said wiping element to smooth and wipe said coating material over the interior walls of the tubing.

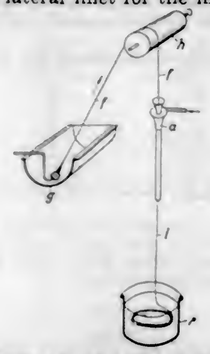
2,100,588

MANUFACTURE OF WOOL-LIKE ARTIFICIAL FIBERS

Walter Claus, Mannheim-Waldhof, Germany, assignor to Zellstofffabrik Waldhof, Mannheim-Waldhof, Germany

Application July 18, 1935, Serial No. 32,113
In Germany January 30, 1935
8 Claims. (Cl. 18—8)

1. Apparatus for imparting a curled form to artificial threads during their manufacture, comprising a tube adapted for the carrying through of a freshly coagulated and still plastic artificial thread, provided with an ejector-like opening at one end, a lateral inlet for the introduction of a



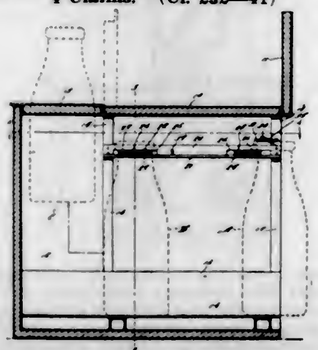
current of gaseous medium and an internal helically-shaped guide piece adapted to impart a rotary motion to the gaseous current.

2,100,589

MILK BOTTLE HOLDER

Horton D. Cole, Scotia, N. Y.

Application February 16, 1937, Serial No. 126,086
4 Claims. (Cl. 232—41)



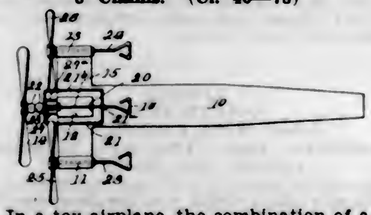
1. In a structure of the class described, a casing, a bottle slideway in said casing, a pair of opposed pivotally mounted horizontally arranged star-wheels supported at a predetermined point above said slideway, pivoted trip members for said star-wheels, additional star-wheels for operating the trip members, and bottle actuated release means for the additional star-wheels.

2,100,590

TOY AIRPLANE

Sylvester Clark Grady, Chester, N. J.

Application May 25, 1937, Serial No. 144,745
8 Claims. (Cl. 46—78)



1. In a toy airplane, the combination of a plurality of propelling units, an independent spring motor for each of said propelling units, and means engageable with one of said propelling units for preventing rotation thereof until the substantial expenditure of power in a motor for another of said propelling units.

2,100,591

COMBINED LOCKING AND SUPPORTING MEANS FOR DOORS

Alfred Haberstump, Detroit, Mich.

Application March 11, 1935, Serial No. 10,555
7 Claims. (Cl. 292—302)



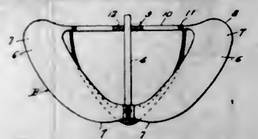
1. In a combined locking and supporting means for doors, the combination with door and door frame members, of a latch bolt and spaced metallic jaws mounted on one of said members, together with means for resiliently opposing separation of said jaws, and a single element positioned on the other member and adapted to be engaged by said jaws and latch bolt when the door is closed, said element having a recess for the reception of the end of the latch bolt which recess opens only toward the latch bolt.

2,100,592

PROPELLER

John C. Hasbrouck, Detroit, Mich., assignor of one-half to Fred Weidman, Detroit, Mich.

Application January 15, 1936, Serial No. 59,287
6 Claims. (Cl. 170—156)



1. An airship propeller comprising a propeller shaft, a conical shell surrounding said shaft, rearwardly curved propelling blades having their front ends extending radially through said shell and fastened to said shaft and having their rear ends fastened to the rear portion of said shell, and a frame including a web in the shell and supporting said shell on said shaft.

2,100,593

PROCESS OF PREPARING A SUBSTANCE INCREASING THE BLOOD PRESSURE

Georg Hessel and Hans Maier, Frankfort-on-the-Main, Germany

No Drawing. Application August 10, 1935, Serial No. 35,673. In Germany August 14, 1934
6 Claims. (Cl. 167—74)

1. The process of preparing a substance increasing the blood pressure from kidneys or spleens which comprises extracting the organic material with an aqueous solution of an electrolyte removing the substance reducing the blood pressure from the extract by dialysis with distilled water, precipitating the substance increasing the blood pressure by saturating the solution with a salt usual for the precipitation of albumen at a pH of 3–5, extracting the substance increasing the blood pressure from the precipitate with water, precipitating the pigments contained in the solution by acidifying the solution, treating the solution with an adsorbing agent and extracting the substance increasing the blood pressure from the adsorbing agent by means of an aqueous solution of an alkaline substance.

2,100,594

COLOR PHOTOGRAPHY

Gerd Heymer, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application October 21, 1933, Serial No. 694,689. In Great Britain May 5, 1932
6 Claims. (Cl. 95—88)

1. A solution for discharging dye in the presence of silver and dissolving a silver image in color photography which comprises equal parts of

Solution I

Water	cc.	6250
Iodine	grams	17
Potassium iodide	grams	33
Concentrated sulfuric acid	cc.	525

and

Solution II

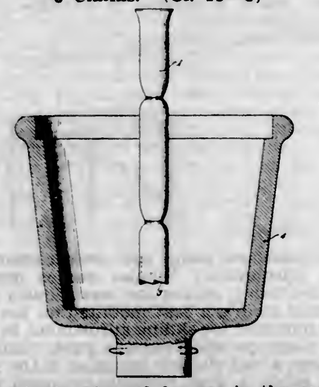
Water	cc.	6250
Sodium sulfite	grams	330
Thiourea	grams	330

2,100,595

MANUFACTURE OF ARTIFICIAL SILK

Cornelis Gerrit Jansen, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application October 9, 1936, Serial No. 104,888
In Germany October 31, 1935
6 Claims. (Cl. 18—8)



1. A spinning funnel for use in the manufacture of artificial silk according to the centrifugal process comprising a hollow body portion having a series of projections and depressions surrounding the mouth thereof over which the thread is caused to ride as it emerges and is laid up to form a cake within a pot.

2,100,596

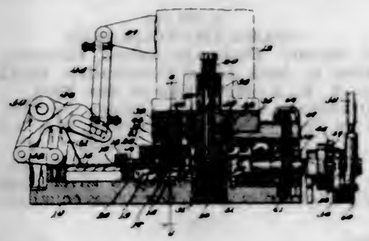
MACHINE FOR ASSEMBLING CAP VALVES FOR CONTAINERS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 8, 1936, Serial No. 78,727
13 Claims. (Cl. 113—1)

1. In a machine of the class described, the combination with a reciprocable ram, of means

for feeding metal cap blanks beneath the ram, each blank being previously formed with an offset portion within the rim and spaced from the face of the blank, means operable by the ram to place an elastic valve disk within the rim of each successive blank against the offset por-



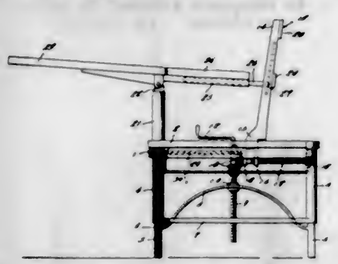
tion, and means for subsequently shaping the blank to secure the disk in that position and at the same time to form one or more radial channels in the rim of the blank to permit the escape of gases from beneath the valve disk when the latter is applied to the perforated end of a metal container.

2,100,597

COMBINED CHAIR AND DESK

Marion McDonald Pickle and Daniel E. Parsons, Knoxville, Tenn.

Application September 12, 1935, Serial No. 40,334
3 Claims. (Cl. 155—92)



1. A combined chair and desk comprising a frame, substantially tubular guides depending from said frame, supporting legs slidably mounted in said guides, a seat mounted on the frame, a back mounted for sliding adjustment in a horizontal plane on said frame, a guide rising from the frame, a post slidably mounted in the second-named guide, a desk rockably mounted on said post, means adjustably connecting the desk to the back, and common means for adjusting the seat on the legs and for adjusting the desk relative to said seat and for adjusting the back simultaneously.

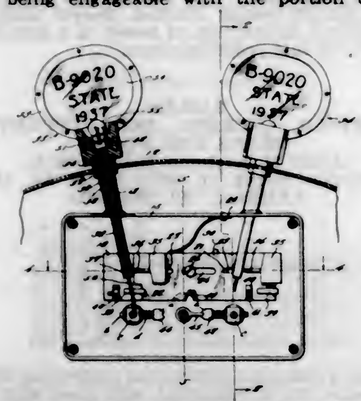
2,100,598

IDENTIFICATION DEVICE FOR AUTOMOBILES

Joseph Rentler, Columbus, Ohio

Application February 2, 1937, Serial No. 123,676
3 Claims. (Cl. 40—2.2)

1. In combination, an ignition lock including a movable latch member, a box structure having a closure with which the latch member is engageable to hold the closure in closed position, a license tag assembly, said assembly provided with a portion projecting into the box, said latch member being engageable with the portion of the



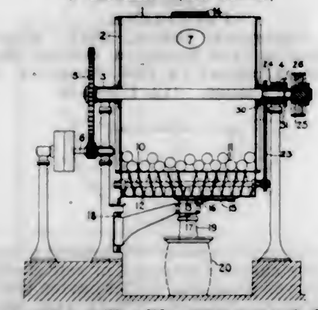
assembly projecting into the box to prevent detachment of the assembly from the box.

2,100,599

MIXING AND GRINDING MILL

Oskar Schulthess and Casimir Theiler, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

Application July 24, 1934, Serial No. 736,753
In Switzerland August 4, 1933
3 Claims. (Cl. 83—9)



1. A mixing mill with arrangement for dust-free discharge of the mixed material, comprising a rotary mixing drum having an aperture for the exit of the goods in its peripheral wall, a trough located outside the periphery of said drum, and rigidly connected to said drum wall opposite said exit aperture, said trough extending longitudinally of the axis of said drum, said trough having a discharge opening in the wall thereof, a rotary conveyer within said trough to convey the material to said discharge opening, freely movable mixing and grinding bodies within said drum of larger dimension than said aperture thereby being prevented from entering said trough, driving means for rotating said drum together with said trough around the axis of said drum and independent driving means for rotating said conveyer about its own axis when the drum is at rest.

2,100,600

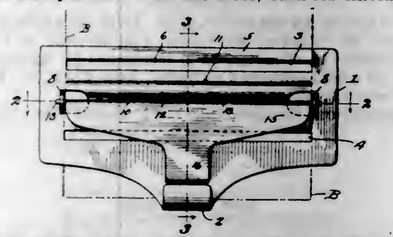
BACK-BAND BUCKLE

Charles Smallwood, Washington, N. C.

Application June 24, 1937, Serial No. 150,168
3 Claims. (Cl. 24—189)

3. A buckle including a base having parallel

slots, ears extending from the base between the ends of the slots, one of said slots having a lip constituting a rounded wall of the slot and folded back on the base, said slots constituting means for receiving a band overlying that portion of the base between the ears and between the slots, a stiffening rib struck from the base between the ears and parallel with the slots, said rib having a



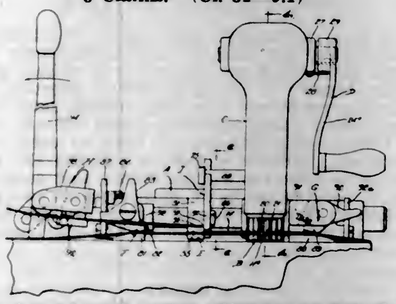
substantially perpendicular abutment shoulder merging into a rounded ridge constituting a bearing for the band, and a clamping plate fulcrumed in and extending between the ears, said clamping plate having a flange cooperating with the base to bind upon the adjacent portion of the band and grip said band against the shoulder, said plate having a tongue inturned against the base.

2,100,601

TYING MACHINE

Herbert Harvey, Los Angeles, Calif., assignor to Leo M. Harvey, Los Angeles, Calif.

Application March 22, 1933, Serial No. 662,064
Renewed April 26, 1937
3 Claims. (Cl. 81—9.1)



1. A machine for tying adjoining parts including a frame, guiding the parts, cooperating tie forming members operable along the parts to tie them, a cutter mounted on the frame to be shiftable into and out of position to cut one of the parts, and a carriage for said members mounted on the frame for movement longitudinally of said parts and laterally of said parts, the cutter and carriage being related so that the cutter is actuated by the lateral movement of the carriage and is shifted by longitudinal movement of the carriage.

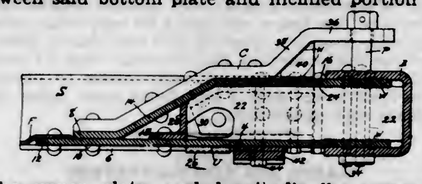
2,100,602

END CONSTRUCTION FOR MINE CARS

Warren V. Johnson and Robert C. Kepner, Bloomsburg, Pa., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application September 12, 1935, Serial No. 40,223
14 Claims. (Cl. 105—364)

1. An end construction for low-floor mine or similar cars having side sills and comprising, a substantially horizontal lower plate secured to the side sills and floor, an upper plate secured to said lower plate and side sills, said upper plate being formed with an upwardly inclined portion, transverse bracing means interposed between said bottom plate and inclined portion of



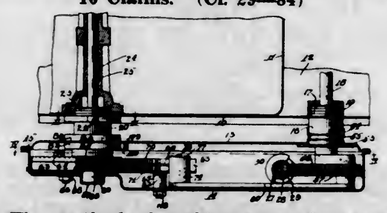
the upper plate, and longitudinally arranged bracing means connecting said upper and lower plates and spaced relative to the side sills, said bracing means forming with said plates and side sills pockets for the reception of bumper means.

2,100,603

CRANKCASE ASSEMBLY AND METHOD OF MAKING THE SAME

Leland G. Knapp, Chicago, Ill.

Application September 16, 1935, Serial No. 40,729
10 Claims. (Cl. 29—84)



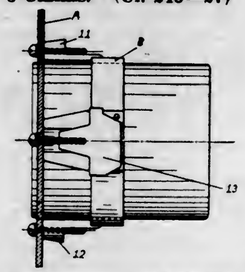
9. The method of making a crank case and transmission assembly for washing machines and the like comprising stamping a cover from sheet metal, stamping a bottom from sheet metal, assembling transmission mechanism into the cover, assembling transmission mechanism into the bottom, assembling an operating shaft in its bearing and then assembling the bearing with the shaft contained therein into the bottom, and bringing the top and bottom together to enclose the transmission mechanism in a crank case and to engage several different elements of the transmission mechanism with one another by the act of bringing the top and bottom together, and connecting engaging portions of the cover and bottom.

2,100,604

INSTRUMENT MOUNTING

Paul Kollsman, New York, N. Y.

Application March 5, 1935, Serial No. 9,399
8 Claims. (Cl. 248—27)



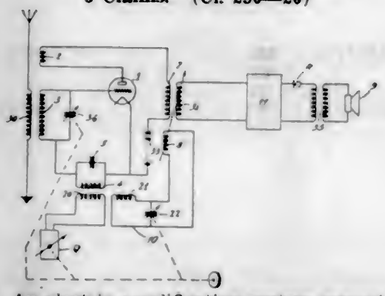
1. In a device for mounting an instrument upon an instrument board which is provided with a

cut-out to expose the instrument, a split collar for embracing the instrument and adapted to be mounted about said cut-out on the rear of said instrument board, and means wholly external to the space embraced by said collar and operable from the front of said instrument board for positively forcing the terminal ends of said split collar both towards each other to clamp the instrument and away from each other to release the instrument.

2,100,605
RADIO RECEIVING SYSTEM

Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application July 5, 1934, Serial No. 733,816
In Great Britain July 21, 1933
3 Claims. (Cl. 250—20)

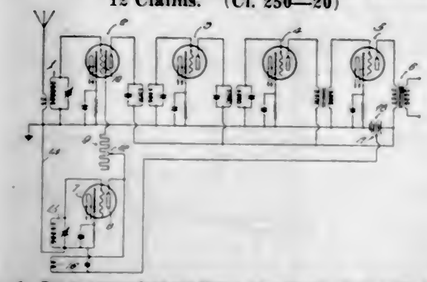


1. An electric amplification system comprising a regenerative circuit embodying an electron discharge device, having coupled input and output circuits, said regenerative circuit being adjusted near the point of oscillation, a source of oscillations, means coupling the source of oscillations and said regenerative circuit for periodically varying the conductance of the electron discharge device and thereby periodically start and stop the oscillations in the regenerative circuit, whereby super-regenerative action is obtained, means comprising a source of oscillations coupled to the regenerative circuit for producing a beat frequency which is a product of the output of the regenerative circuit and the oscillations from said means, a beat frequency utilizing circuit and means for coupling the output circuit of said electron discharge device to said utilizing circuit.

2,100,606
SUPERHETERODYNE RECEIVING SYSTEM

Percival D. Lowell, Chevy Chase, Md., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application July 25, 1933, Serial No. 682,130
12 Claims. (Cl. 250—20)

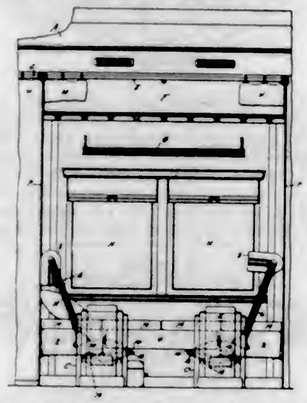


1. In a superheterodyne receiver, an oscillator circuit including a plate electrode, a first detector circuit including a screen grid, a resistance connected directly between the oscillator plate and the screen grid of the first detector for providing a coupling path between the oscillator and first detector circuits.

2,100,607
CONVERTIBLE COACH AND SLEEPER

Louis W. Martin, St. Louis, and Arthur E. Lehmann, St. Charles, Mo., assignors to American Car and Foundry Company, New York, N., Y., a corporation of New Jersey

Application October 15, 1935, Serial No. 45,072
17 Claims. (Cl. 105—314)

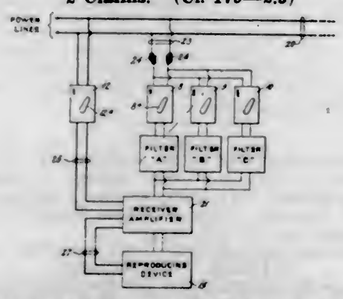


1. In a railway car, the interior of which resembles the conventional railway passenger car, seats within said car, the majority of said seats being capable of facing in either direction, removable partitions extending substantially from car floor to ceiling for dividing said car into compartments with at least two seats in each compartment, curtains extending between the partitions to close the compartments, said seats being so constructed as to cooperate with said partitions to form berths and provide dressing space between the sides of the berths and said curtains.

2,100,608
COIN SELECTION PROGRAM SYSTEM

William A. McCutcheon, East Williston, N. Y., assignor to Muzak Corporation, New York, N. Y., a corporation of Ohio

Application November 6, 1936, Serial No. 109,492
2 Claims. (Cl. 179—2.5)

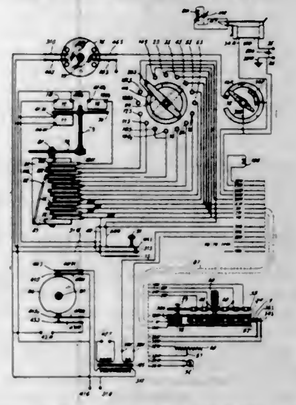


1. A coin selection program system comprising, an amplifier, a reproducing device associated therewith, wire lines for supplying commercial power to said amplifier, a coin controlled time switch in said wire lines for controlling the energization of said amplifier and associated reproducing device, means for delivering a plurality of different program channels to said amplifier, including a coin controlled time switch for controlling, subordinate to the control exercised by said time switch controlled energization of said amplifier, each of said channels to selectively connect any one of said program channels to said amplifier and reproducing device for reproducing a program from a selected program channel for a time interval equal to a fraction only of the time interval during which said amplifier is energized by a single operation of the time switch controlling said amplifier.

2,100,609
CONTROL MEANS

Frank Allen Mitchell, London, England, assignor to Electric and Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application March 13, 1934, Serial No. 715,266
In Great Britain March 14, 1933
9 Claims. (Cl. 250—20)



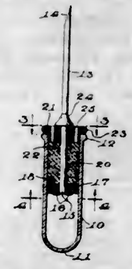
5. In combination, a radio receiver comprising a tunable circuit including a coil and a variable rotary condenser, an electric motor connected to said condenser, a circuit for energizing said motor including a switch located at a point remote from said receiver and means located at said remote point connected to short circuit a portion of said coil said means being operatively connected with said switch.

2,100,610
GAS FILTER

Ellwood S. Paisley and Allen F. Peters, Philadelphia, Pa., assignors to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 15, 1936, Serial No. 85,253
5 Claims. (Cl. 183—49)

3. A filtering device, comprising a hollow chamber closed at one end, a tube extending into the opposite end of said chamber, a porous filtering medium surrounding said tube and closing the space between said tube and the walls of said chamber, an apertured gasket surrounding said tube and preventing said medium from shifting inwardly of said chamber beyond the limit of said tube, and a second apertured gasket spaced with respect to the first, and operative to prevent said medium from shifting outwardly from said chamber beyond the limit of said chamber, said last-named gasket having a radially enlarged portion abutting against the

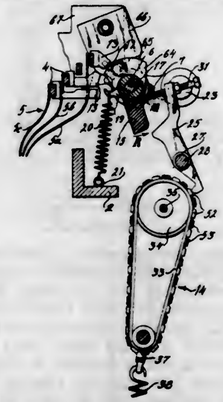


walls of said chamber and operative to prevent said last-mentioned gasket from shifting inwardly of said chamber, the aggregate area of the apertures in said first gasket being less than the area of the bore of said tube.

2,100,611
MECHANISM FOR THE AUTOMATIC SELECTION AND OPERATION OF FLAT KNITTING MACHINE THREAD CARRIER BARS

Joseph Phillips, Philadelphia, Pa., asignor to Nickels & Lauber, Philadelphia, Pa.

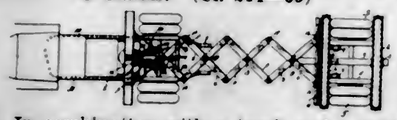
Application March 11, 1936, Serial No. 68,224
13 Claims. (Cl. 66—127)



1. A thread selecting and feeding mechanism for flat knitting machines comprising in combination with a plurality of thread carrier bars: a friction rod mounted on the machine for arcuate rotating and rectilinear sliding movements; a friction box carried by said friction rod to follow the movements thereof; a carrier bar selecting element fixed on said box and extending therefrom for selective engagement with any one of the carrier bars, to establish a driving connection between said box and the selected carrier bar, whereby the latter may be moved longitudinally of the knitting machine by the friction rod in its rectilinear movement; a stop plate mounted fixedly in relation to the rectilinear movement of said rod but connected to the latter for arcuate rotation therewith; pivoted levers each having means respectively adapted to contact with said plate to stop the arcuate rotation of the rod upon reaching its different positions required to bring said selecting element in engagement with the

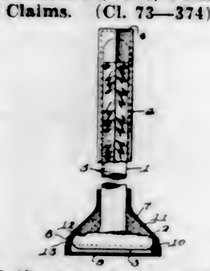
carrier bar to be selected; and a pattern device acting upon said levers to alternatively operate the same.

2,100,612
TRAILER
Charles R. Potts, Klamath Falls, Oreg.
Application April 11, 1936, Serial No. 73,910
8 Claims. (Cl. 214—65)



1. In combination with a truck and a trailer, a pivotal mounting upon the truck, a transverse slide upon the trailer, a reach comprising a plurality of pivotally connected links forming a lazy tongs, a slidable connection between the rear end of the reach and the aforesaid slide, a stub reach slidably carried by the trailer having one end pivotally connected to a pivotal connection between the links at one end of the reach, and power means to which is connected the opposite end of the reach operable to contract and expand such reach.

2,100,613
CLINICAL SURFACE THERMOMETER
Leonard G. Rowntree, Philadelphia, Pa.
Application November 21, 1936, Serial No. 112,092
5 Claims. (Cl. 73—374)



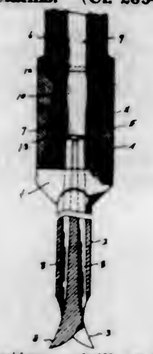
4. A clinical thermometer, comprising a bulb having a substantially planular contact surface, a casing surrounding and normally fixed against longitudinal movement with respect to said bulb, heat-insulating material between said casing and the rear portion of said bulb, and said casing terminating in a plane having a free edge portion, which lies in a plane spaced beyond the plane of said surface, and a vent in said casing to relieve the pressure of air caused by said bulb being pressed into uniform engagement of said contact surface with the skin or membrane of a patient.

2,100,614
FORM TIE
Tamis C. Schenk, Brooklyn, N. Y., assignor to Richmond Screw Anchor Co., Inc., Brooklyn, N. Y., a corporation of New York
Application January 14, 1937, Serial No. 120,589
1 Claim. (Cl. 72—105)



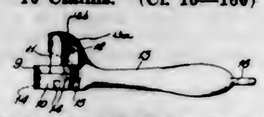
A form tie comprising, an anchorage member consisting of a helix formed of spirally-wound rod adapted to be embedded in a poured concrete structure close to a face thereof, a pair of parallel loop members of substantially U-shape attached to said helix and extending rearwardly of the inner end of the same in side-by-side relationship with the loop portions of said members in substantial alignment, said members entering into the concrete and embracing the same, the helix being attached between the legs of said loop members.

2,100,615
DRILL
Owens C. Snell, Houston, Tex., assignor of one-half to L. H. Kennon, Houston, Tex.
Application April 30, 1936, Serial No. 77,228
3 Claims. (Cl. 285—146)



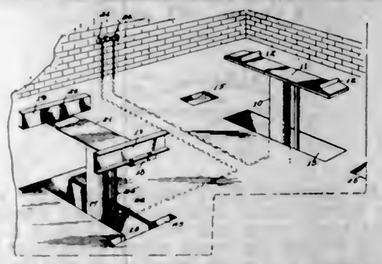
1. In combination a drill and a driving member, one having an externally threaded pin and the other having an internally threaded box to receive the pin, the assembly having a channel for the passage of drilling fluid therethrough to the drill cutters, a sleeve like packing in the box through which the channel extends, the box having an annular wall groove to receive one end of the packing and the pin abutting the other end of the packing, said pin having an end socket and the abutting end of the packing being reduced and fitted into said socket.

2,100,616
SASH MOUNTING
Charles H. Talbot and Andrew Peters, Coscob, Conn.
Application May 31, 1935, Serial No. 24,344
10 Claims. (Cl. 16—160)



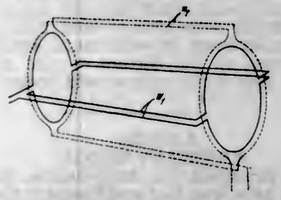
6. In a device of the class described and adapted for use on a window sash mounted for vertical and swinging movement relatively to a frame, a fixed hinge portion fixed to the frame and having a fixed hinge pivot pin, a movable hinge portion slidably and rotatably mounted on said pin and secured for movement with the window sash, said movable hinge portion being in the form of a disk with an extension, a lever handle, means pivoting said handle on said movable hinge portion extension, said handle having a cam portion bearing downwardly on said fixed hinge pin, whereby upward swinging of said lever handle on its pivot in the direction of the lifting of said window sash will cause said cam to impart upward movement to said sash in the axis of said fixed hinge pin.

2,100,617
AUTOMOBILE LIFT
Elmer B. Thompson, Des Moines, Iowa, assignor to Globe Machinery & Supply Company, Des Moines, Iowa, a corporation of Iowa
Application December 28, 1936, Serial No. 117,680
1 Claim. (Cl. 254—89)



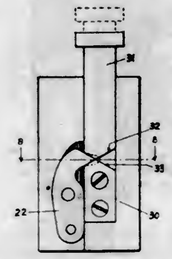
In an automobile lift, the combination of a lifting member, a transverse beam mounted thereon, two automobile axle engaging beams fixed to the transverse beam and arranged longitudinally and having wide, flat upper surfaces to serve as floor members when in a lowered position, a floor plate mounted upon said transverse beam and extending from one of said axle engaging beams to the other and movable vertically relative to the transverse beam, said plate being formed with vertical notches in its ends, vertical ribs on the inner side of said axle engaging beams to enter said notches for guiding the floor plate in its vertical movement, portions of said floor plate being projected laterally beyond the transverse beam, and a floor formed with openings to receive the beams with the top surfaces of the axle engaging beams flush with the top of the floor, said floor being also formed with shoulders positioned to engage the side edges of the floor plate and support it in position with its top surface flush with the floor.

2,100,618
CATHODE RAY APPARATUS
Rudolf Urtel, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 14, 1934, Serial No. 757,436
In Germany December 7, 1933
4 Claims. (Cl. 250—27.5)



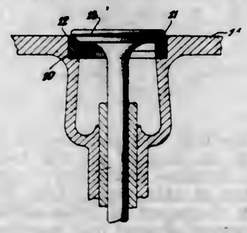
4. In combination, a cathode ray tube comprising an envelope, said envelope having a cylindrical neck portion through which a developed electron beam passes, means for magnetically deflecting said electron beam, said means comprising a winding having one of its peripheries in a plane perpendicular to the axis of the tube and certain portions of the said winding being in magnetic opposition to certain other portions of said winding for neutralizing the magnetic fields set up in said portions during operation of said tube.

2,100,619
METHOD FOR MAKING PAWL OR DETENT MEANS
Floyd D. Wenn, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,930
4 Claims. (Cl. 29—148)



1. The method of producing a stamped article from sheet metal stock and reshaping the edges thereof, and which method consists in stamping up a blank from said stock of which the sheared perimeter includes an initially blunt nose region, then by a coining step flattening opposite perimetric edge regions of such nose to initiate a wedge shaped toe having a jutting tip appendage, and finally by a continuation of said coining step, snipping to sever said appendage and thereby leaving a smoothly finished wedge shaped toe that is rendered sharp at the severed extremity thereof.

2,100,620
VALVE INSERT
Gottfried Wirrer and William E. Day, Jr., Plainfield, N. J., assignors to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware
Application March 25, 1937, Serial No. 132,898
4 Claims. (Cl. 75—124)

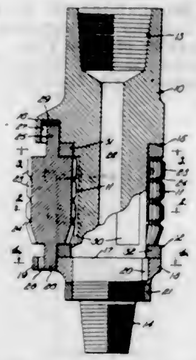


1. An alloy particularly adapted for valve insert material comprising approximately 39.0–41.0% nickel, 1.5–2.0% carbon, 0.3–0.6% manganese, 0.5–1.0% silicon, 0.75–1.25% aluminum, and the remainder iron.

2,100,621
REAMER
Walter A. Abegg, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application November 14, 1936, Serial No. 110,822
9 Claims. (Cl. 255—73)

1. A well reamer including, a shank, parts on the shank having openings elongated radially with respect to the longitudinal axis of the shank, a cutter between said parts having trunnions

extending into said openings, the trunnions being adjustable in the said openings, and bearing



members on the shank cooperating with the trunnions to support the cutter against inward forces.

2,100,622
SURFACE BOLT
George R. Adams, Los Angeles, Calif.
Application January 27, 1936, Serial No. 61,048
1 Claim. (Cl. 292—145)



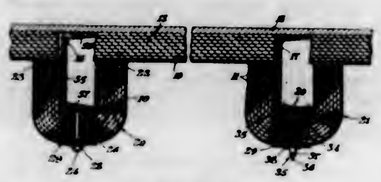
In a surface bolt, the combination with a pair of guides, a rib formed on the front face of each guide, flanges projecting laterally from the free edge of said rib so that the same is substantially T-shaped in cross section, a substantially channel-shaped bolt mounted for sliding movement on said guides, flanges projecting inwardly from the side edges of said bolt for engagement behind the laterally projecting portions of the T-shaped ribs on said guides, the front face of each rib being provided with a longitudinally disposed groove, a resilient member positioned in the groove in one of said ribs and bearing against the inner face of said bolt, a knob secured to one end of said bolt, the inner end of which knob provides a shoulder to engage the adjacent guide and limit the movement of the bolt in one direction on said guides and portions of the flanges at the end of the bolt opposite the end that carries the knob being pressed forwardly toward the front wall of the bolt to provide stops for engagement with the adjacent guide to limit the movement of the bolt in another direction.

2,100,623
DECOY
George A. Bates, Cambridge, Mass., assignor of forty percent to Charles V. Lally, Cambridge, Mass., and twenty percent to Herman Albert, Cambridge, Mass.
Application April 10, 1936, Serial No. 73,628
6 Claims. (Cl. 43—3)



1. An improved decoy comprising upper and lower fabric casing members stitched together around their edges and contracted at a point midway around the breast edges, a diamond insert located in the top member of said casing for the purpose of raising and giving contour to that portion, and a stuffed head and neck portion removably and pivotally mounted on the front portion of the top of said casing.

2,100,624
INSULATING CONSTRUCTION
Charles J. Beckwith, Brooklyn, N. Y., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania
Application October 30, 1935, Serial No. 47,358
5 Claims. (Cl. 20—4)

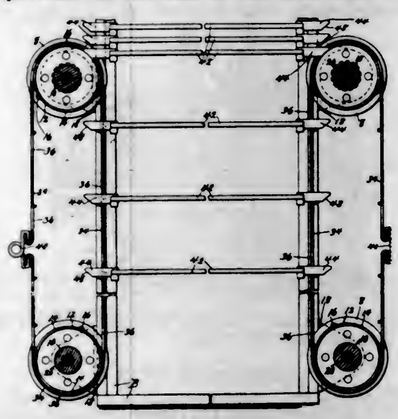


1. Means for heat insulating a partition supported by a channel beam, which comprises a sheet of heat insulating substance covering said partition adjacent said beam, a molded U-shaped heat insulating form covering said beam, said U-shaped form having a side the end of which abuts and supports said sheet, and a fastener for fastening the base of said U-shaped form to a flange of said channel beam, said fastener comprising a spring hook for attaching to said flange and a stem which extends through said base, and a collar fastened to the bottom of said stem, for supporting said form against said beam.

2,100,625
VENETIAN BLIND
George K. Bradfield, Jr., Hackensack, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application June 15, 1937, Serial No. 148,250
7 Claims. (Cl. 156—17)

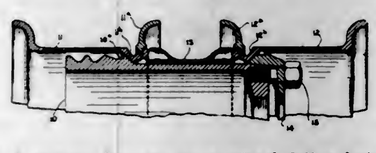
1. A Venetian blind comprising a plurality of belts each formed with a plurality of elongated openings, a plurality of slats, projections on the ends of the slats located in the openings of the belts when in an operative position, and pulleys supporting the belts whereby when said belts are moved over the pulleys in one direction they disengage themselves from the slat projections and the slats are piled in an inoperative position above

the pulleys, certain of said belts engaging spaced projections on one end of the slats and being



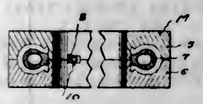
shiftable relative to each other to thereby permit tilting of the slats.

2,100,626
SPACER
Winfield S. Brink, Akron, Ohio, assignor to The Firestone Steel Products Company, Akron, Ohio, a corporation of Ohio
Application December 24, 1934, Serial No. 758,964
5 Claims. (Cl. 301—13)



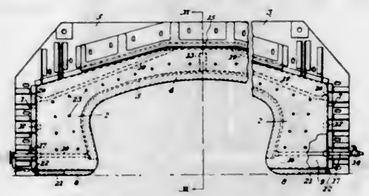
1. A spacer for use on a wheel felloe between dual tire rims thereon, said spacer consisting of a metal band having its marginal portions deformed radially outwardly and laterally directed so that its lateral edges abut the respective tire rims outwardly of the medial region of the band and receive the lateral thrust of said rims.

2,100,627
TIRE VULCANIZING CORE
Floyd L. Bucy and Vela A. La Rock, Eau Claire, Wis.
Application March 4, 1935, Serial No. 9,234
2 Claims. (Cl. 18—45)



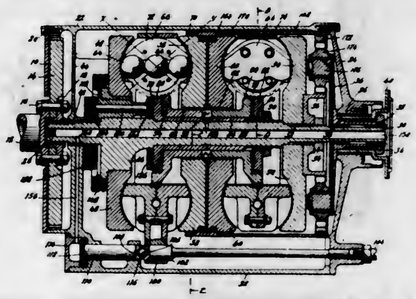
1. A tire-vulcanizing core comprising a distensible bag, an air outlet conduit mounted in and sealed to a wall of the bag, a valve in said conduit opening toward the interior of the bag, yielding means urging the valve toward its open position and adapted to be overcome only by differential pressure of fluid passing through the valve, and a conduit for conducting a distending fluid into the bag, the two conduits being in a single core-stem.

2,100,628
FURNACE COOLER
Willard P. Chandler, Jr., Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application April 24, 1937, Serial No. 138,796
6 Claims. (Cl. 122—499)



1. A furnace cooler comprising a frame formed to provide a circulation chamber therein, a substantially U-shaped header connected with said frame and extending about the furnace opening, said frame having at least one opening communicating with the circulation chamber therein, means adjacent the top of the frame providing communication between the circulation chamber and said header, and conduits communicating with the lower ends of the legs of said U-shaped header and opening through a wall of the frame, whereby cooling fluid entering the cooler is circulated through the circulation chamber and the header.

2,100,629
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application July 18, 1936, Serial No. 91,262
13 Claims. (Cl. 74—200)

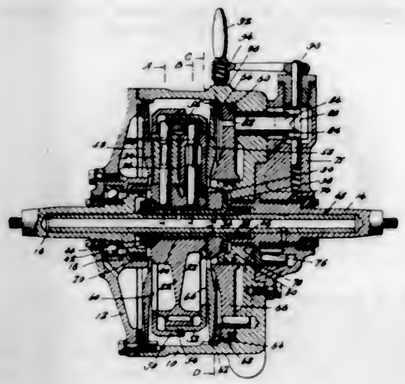


1. A transmission including, in combination, opposed toroidal discs, a driving connection between said discs comprising end balls contacting respective discs and a central ball contacting the first said balls, and means to roll said end balls radially across said discs to change the driving ratio of the transmission.

2,100,630
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application August 13, 1936, Serial No. 95,732
10 Claims. (Cl. 74—281)

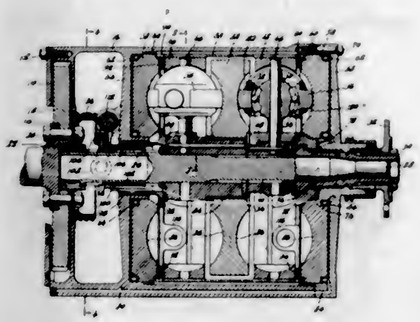
1. In a transmission, in combination, a disc, planetary power transmitting rollers contacting

said disc and subject to centrifugal thrust, and anti-friction thrust means for said rollers com-



prising sphericalized roller ends, and thrust rings having conical raceways contacting said ends.

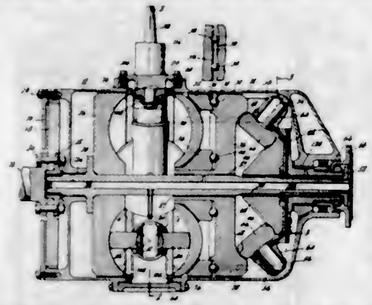
2,100,631
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application February 27, 1936, Serial No. 65,974
18 Claims. (Cl. 74—281)



1. In a transmission, in combination, coaxial toroidal discs, rollers to be controllably tilted to initiate precession across said discs, roller control arms having heads offset from the axes of tilting and precession, said arms being extended at right angles to the respective roller axes, and a member controllably rotatable on the co-axis and having bores within which said heads are slidably articulated.

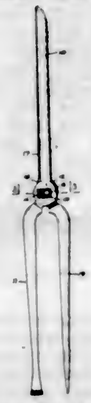
2,100,632
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application February 27, 1936, Serial No. 65,975
14 Claims. (Cl. 74—281)

1. In a transmission, in combination, an annular disc elastically distortable for slight relative axial movement of its inner and outer peripheries, a roller shiftably contactable between large and small disc radii, and inner and outer torque-



responsive contact loading devices effective on the disc at respective radii.

2,100,633
MARCEL IRON
Elias Clein, Brooklyn, N. Y.
Application April 21, 1936, Serial No. 75,643
3 Claims. (Cl. 132—37)

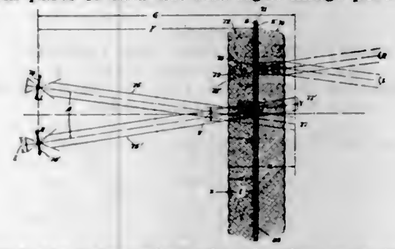


1. In a curling iron, the combination of a mandrel having a transversely slotted mid-portion and a clamping member having its mid-portion embracing the slotted mid-portion of the mandrel, a pivot pin carried by the clamping member and projecting through said slot, and a spring in the slot to exert yieldable pressure against the pin.

2,100,634
APPARATUS FOR PROJECTING PICTURES IN RELIEF
Douglas Fredwill Winnek Coffey, New York, N. Y., assignor to Winnek Stereoscopic Processes, Incorporated, Wilmington, Del., a corporation of Delaware
Application November 27, 1931, Serial No. 577,519
2 Claims. (Cl. 88—24)

1. A composite viewing screen for viewing projected left and right stereoscopic views of a picture in stereoscopic relief which comprises the combination of a flat translucent image screen disposed in a single plane, a resolving screen of lenticular construction on one side of said image screen adapted to form on said image screen a multiplicity of small independent left and right image portions having parts thereof independent

of each other, and a selective screen on the other side of said image screen adapted to direct light from parts of said left and right image portions



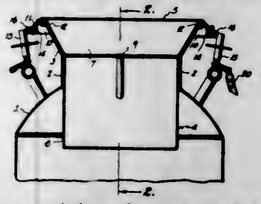
which are independent of each other so as to be viewed by both the left and right eyes exclusively and respectively of an observer.

2,100,635
SNAP FASTENER
Abraham de Vries, Amsterdam, Netherlands
Application September 29, 1936, Serial No. 103,143
In Great Britain September 12, 1935
4 Claims. (Cl. 24—217)



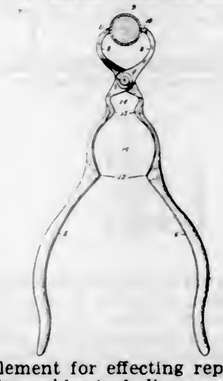
1. In an expanding fastener in combination, a first fastening member comprising a sleeve of flexible material, a plurality of axially extending converging tongues formed at one end of said sleeve and teeth at the free ends of and extending radially outwards substantially at right angles to said tongues, a second fastening member formed to tightly fit the other end of said sleeve, means on the adjoining parts of said two members for holding same in mutual engagement, and an expander of a diameter equalling the inner diameter of said sleeve near the inner ends of said tongues.

2,100,636
CONTAINER
Josef Domershausen, Kansas City, Mo.
Application September 4, 1936, Serial No. 99,394
1 Claim. (Cl. 220—55)



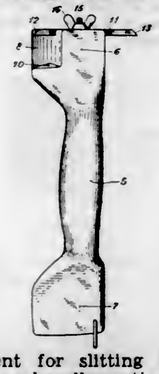
A shipping container for cream and the like, comprising a body, a cover receptacle projecting down into the body to such an extent as to substantially reduce the free surface area of the contained cream, said receptacle having an opening at a point above the center thereof and above the normal level of the cream and communicating with the interior of the container to afford restricted access of products of fermentation to the interior of the receptacle, the cover receptacle being closed below said opening to constitute a catch receptacle for non-gaseous products entering therein through said opening and being vented to permit escape of gaseous products, and means for maintaining the body and cover receptacle in assembly.

2,100,637
COMBINATION IMPLEMENT
John Boulware Doolittle, Kansas City, Mo.
Application January 6, 1937, Serial No. 119,338
1 Claim. (Cl. 81—5.1)



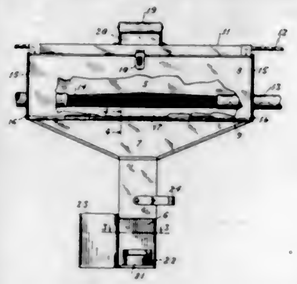
An implement for effecting repairs in electric transmission cables including a pair of pivotally connected levers, cable engaging elements at one end thereof comprising a jaw having a dull edge engaging the cable sheath as a fulcrum and a jaw having a sharpened edge for engaging a slit in the cable sheath diametrically opposite the fulcrum to pull the sheath apart upon the rotation of the implement about said fulcrum.

2,100,638
IMPLEMENT FOR CUTTING CABLE SHEATHS
John Boulware Doolittle, Kansas City, Mo.
Application January 6, 1937, Serial No. 119,339
1 Claim. (Cl. 30—91)



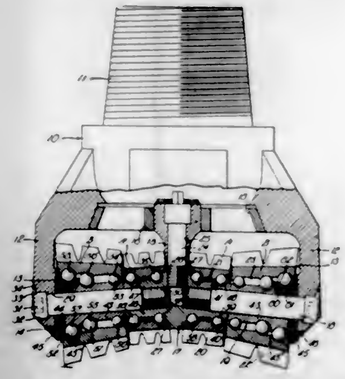
An implement for slitting lead sheaths of cables including a handle portion, shoulder members at the ends of and extending transversely from the axis of the handle to space the handle from the cable sheath, said shoulder members forming stops tending to prevent the slipping of the hand in the operation of the implement, said shoulder members also having alined grooves therein for slidably engaging the cable sheath in the movement of the implement along its surface, and a knife member adjustably mounted on the end of one of the shoulder members for slitting the cable sheath in a longitudinal direction.

2,100,639
PORTABLE OVEN FOR DRYING CABLE CONDUCTORS
John Boulware Doolittle and Charles Eastman Morrison, Kansas City, Mo.
Application January 6, 1937, Serial No. 119,340
2 Claims. (Cl. 34—18)



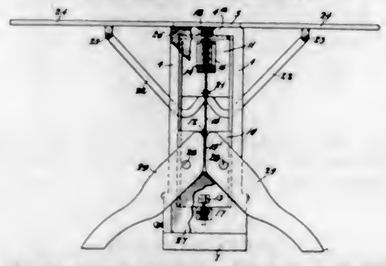
1. In a device for drying the insulation of conductors of a cable from which the sheath has been removed, a casing having two interconnected chambers disposed in perpendicular relation with respect to each other, means for holding insulated conductors in one of said chambers, said conductors having their sheath portions extending through the ends of the casing, a source of heat in the other chamber for heating the first-mentioned chamber and drying the moisture from the insulated conductors therein, and means pivotally associated with the ends of the casing and encircling the sheath portions of the cable for confining the heat within the casing.

2,100,640
CUTTER MOUNTING
Philip C. Efromson, Los Angeles County, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application February 23, 1937, Serial No. 126,987
15 Claims. (Cl. 255—71)



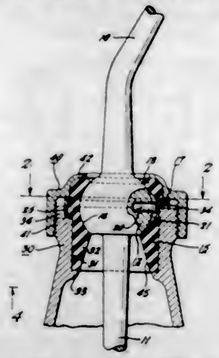
1. A cutter assembly for a well drill comprising, a support, adjacent cutters surrounding the support, a race member on the support and within one cutter, the race member and said cutter having opposing annular grooves, balls in the grooves, a race member on the support within the other cutter, and a part on the second mentioned race member preventing displacement of said balls.

2,100,641
CONVERTIBLE TABLE AND CABINET
John Fanarjian, Union City, N. J.
Application January 16, 1936, Serial No. 59,378
3 Claims. (Cl. 311—60)



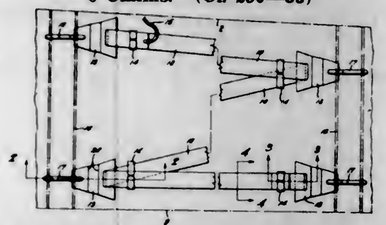
3. A convertible table and cabinet comprising a supporting frame, a stationary table-top member supported on said frame, foldable table-top leaves hinged at opposite edges of said stationary member and movable into horizontally-disposed extended position and into parallel vertically-disposed folded position, two pairs of slide members supported in said frame, the members of a pair being mounted to have counter-movement relative to each other, a pair of legs pivotally mounted on one member of each of the pairs of slides and movable thereby into extended and folded positions, said legs in extended position projecting outwardly from said frame and in folded position being foldable within the confines of said supporting frame, and means connected with the other members of said pairs of slides for moving said legs alternately into extended and folded positions.

2,100,642
GEAR SHIFT LEVER AND RESILIENT MOUNT THEREFOR
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 2, 1935, Serial No. 19,354
4 Claims. (Cl. 74—473)



1. In combination, an actuating lever having an intermediate ball thereon and a handle portion and actuating portion projecting from opposite sides of said ball, an annular resilient rubber bushing supporting said lever, said resilient bushing having two opposed open ends thru which said handle portion and actuating portion respectively project and a spherical socket sliding bearing for said ball, said socket enclosing said ball to such extent as to resiliently retain said ball against endwise movement of said lever in either longitudinal direction, the rubber material of said resilient support being sufficiently expandable to permit said ball to be initially forced endwise into place within said socket while said support is detached from other parts, a reinforcing metal annulus surrounding the central portion of said socket and serving to substantially limit the lateral movement of said ball in said rubber socket, and a rigid retaining member for said resilient support.

2,100,643
RADIO ANTENNA FOR AUTOMOBILES
Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 9, 1935, Serial No. 39,712
6 Claims. (Cl. 250—33)



1. A radio receiving antenna for automobiles mounted thereon near the road surface, said antenna comprising: a flexible harness-like structure having end attachment insulators and a flexible rubber-coated flat metal strip looped back and forth between said attachment insulators and forming a plurality of substantially longitudinally-extending laterally-spaced reaches and providing open spaces between said reaches to minimize the retention of water, mud, or other foreign matter upon said antenna and the harmful capacity effect of such retention.

2,100,644
HINGED CARTON
Frederick H. Groves, Dormont, Pa.
Application March 9, 1935, Serial No. 10,220
7 Claims. (Cl. 229—47)



1. In an erectable paper carton formed of a single blank cut, creased, and bent to form bottom, top, side, rear, and front walls together with a reinforcing front wall formed as an extension of the bottom, male and female locking elements one mounted on an inner surface of the carton top and the other mounted on the reinforcing front wall in aligned position with respect to each other in the carton structure interiorly of the carton as erected; said female element and said male element comprising interengageable means adapted to be brought into locking interengagement as the carton is brought into fully erected and closed condition to provide an inaccessible lock for the carton.

2,100,645
CORDED TAPE FOR SLIDE FASTENERS AND THE LIKE
James A. Hendley, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation
Application January 14, 1935, Serial No. 1,670
1 Claim. (Cl. 139—384)



A concavo-convex curved woven slide-fastener tape for the reception of clamped-on fastener-elements, comprising: a relatively-thin flap-like curved body including warp and weft strands having a curved tubular pocket woven along the edge thereof which is of lesser radius; and a plurality of strands of hard twisted yarn located in the aforesaid pocket and characterized by a degree of longitudinal extensibility greater than the said warp strands in the major portion of the said flap-like body, the tubular pocket of the flap-like body and the twisted yarn strands therein providing a longitudinally-extensible thickened edge which becomes longitudinally extended upon the clamping thereto of slide-fastener elements.

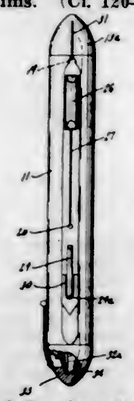
2,100,646
TUBE THICKENER
Gerald O. Hillier, Berkeley, Calif., assignor, by mesne assignments, to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application May 23, 1934, Serial No. 727,101
3 Claims. (Cl. 210—153)



1. A thickener comprising a tank; a conical guide member supported within the lower part

of the tank; a tapered fitting secured to the upper part of the tank, a tubular filtering element having a hollow core, a filtrate pipe extending through said core and communicating with said filtering element, the upper end of said filtrate pipe being provided with a depending tapered fitting adapted to engage the tapered fitting secured to the upper part of the tank while the lower end of the filtrate pipe is adapted to be accommodated within said conical guide member.

2,100,647
PEN
Edward W. Karl and Jesse H. White, Painesville, Ohio
Application June 5, 1937, Serial No. 146,653
7 Claims. (Cl. 120—42)



1. In a device of the class described, a barrel, a plurality of fountain pens housed in said barrel and rotatable as a unit relative thereto, means for advancing and retracting each of said pens endwise of said barrel to and from writing position, said means including an actuator carried by said barrel, and a part on each pen selectively movable into position for coaction with said actuator by rotation of said pens in said barrel.

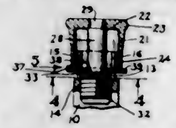
2,100,648
FASTENER
Gottfrid C. Lawson and Carl Lindquist, Cleveland, Ohio
Application December 21, 1935, Serial No. 55,540
19 Claims. (Cl. 156—17)



1. In a slat for a Venetian blind comprising a section of sheet metal bent in the form of a channel and having oppositely disposed inwardly extending free edges, a cover plate for closing the gap between said edges comprising a flat strip of metal formed to provide grooves on its edge adapted to be slidably engaged with said free channel edges.

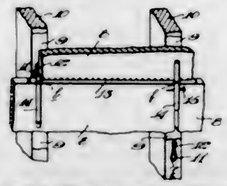
2,100,649
AUDIBLE INDICATING ADJUSTING DEVICE
Harold F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application March 23, 1937, Serial No. 132,561
11 Claims. (Cl. 33—50)

1. An audible indicating adjusting device including a cylindrically ended member having notches formed in its end edge, a stud secured to said member and extending axially therethrough and having an enlarged head portion provided with screw threads extended below said notches and edge, a catch bar rotatably mounted on said stud between the notched edge and said



head portion and extending diametrically across said end edge, said bar having a raised portion to engage in said notches, and a spring coiled about said stud and reacting between said bar and said head portion to press said bar against this notched end edge whereby audible snaps will be produced when said bar and said member are relatively rotated.

2,100,650
STRUCTURE FOR SUPPORTING PLASTER COATING
Roy Phillips, Dallas, Tex.
Application December 20, 1934, Serial No. 758,481
9 Claims. (Cl. 72—118)



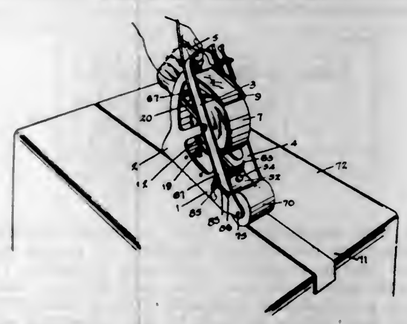
4. A wall and ceiling construction in combination with stationary supports, a plaster receiving structure including rods forming a continuous line of reinforcing throughout said wall and ceiling, looped members for securing said rods to said stationary supports having sliding and rotating connection with said supports whereby to be movable relative thereto, and means for insulating said rods from said supports.

2,100,651
MANUFACTURE OF CURVIFORM HOLLOW ARTICLES FROM BINDER-IMPREGNATED WATER-LAID FELTS
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application August 6, 1935, Serial No. 34,891
3 Claims. (Cl. 2—194)



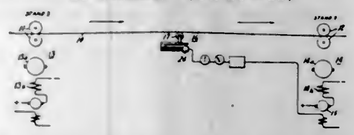
1. A hat having a cup-shaped portion, said hat comprising binder-impregnated waterlaid felt of cellulose fibres capable of undergoing limited stretch in the presence of moisture and of setting in stretched condition, the cup-shaped portion of said hat comprising originally flat paper web material, as said binder-impregnated waterlaid felt, stretched in the presence of moisture into cup-shaped form and set in such form, said hat being of soft, cloth-like feel and pliancy.

2,100,652
TAPE MACHINE
Calvin J. Shimer, Toledo, Ohio
Application February 19, 1934, Serial No. 711,841
6 Claims. (Cl. 216—23)



2. A tape machine having a frame, a pressure exerting tape applying member mounted on the frame, a handle connected to the frame for manipulating the machine, and means for supporting a supply of tape so that its center of mass is located approximately on a line between the points of connection of the handle and the tape applying member to the frame whereby the tape applying member may bear the weight of the supply of tape when the frame is moved into a tape applying position.

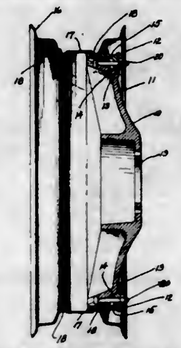
2,100,653
CONTROL SYSTEM
Leonid A. Umansky, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 27, 1935, Serial No. 42,439
14 Claims. (Cl. 80—35)



1. In combination with means for performing an operation on a length of material, a dynamoelectric machine and means operatively connected therewith for producing a tension in said material, an electrical device having a pair of relatively movable elements separated by an air gap, means responsive to relative movement of said elements for controlling said dynamoelectric machine to vary the tension in said material, and means responsive to variations in the tension of said material for effecting relative movement of said elements thereby to control said dynamoelectric machine to maintain said tension substantially constant.

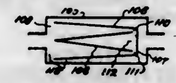
2,100,654
WHEEL AND RIM MOUNTING
Joseph G. Swain, Akron, and Alva W. Woodward, Kent, Ohio, assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application January 24, 1936, Serial No. 60,598
6 Claims. (Cl. 301—12)

1. A wheel and rim assembly comprising a wheel having a portion adapted to be attached to an axle at a given position on said axle, a rim support arranged peripherally of said wheel, a rim on said rim support, cooperating interlocking means on said rim and support to prevent axial movement of said rim relative to said wheel, said interlocking means being spaced axially from that portion of said wheel which is to be attached to said axle at the said position thereon, whereby



upon reversal of the position of said wheel on said axle said rim will occupy a different axial position relative to said axle than when said wheel was in its first-mentioned position, and additional interlocking means for adjustably interlocking said rim with said wheel at different spaced axial positions with respect to each other.

2,100,655
SOUND ATTENUATING DEVICE
Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Original application August 9, 1935, Serial No. 35,428. Divided and this application October 26, 1935, Serial No. 46,846
14 Claims. (Cl. 181—59)

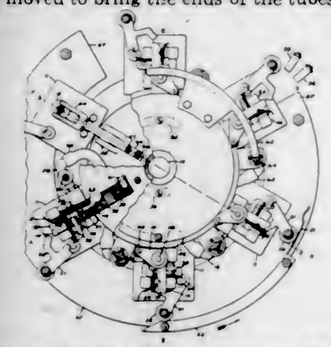


1. An acoustic sidebranch in the form of a complete closed cone with open base nested within a truncated conical member closed at its smaller end, the apex of the cone being positioned toward the large end of said truncated conical member and the open base of said cone being in adjacency to the small end of said truncated conical member.

2,100,656
TUBULATING MACHINE
John F. Donovan, East Cleveland, and Frank J. Malloy, Cleveland Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application September 6, 1935, Serial No. 39,434
7 Claims. (Cl. 49—2)

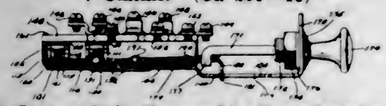
1. In a tubulating machine, the combination of a movable carrier, a plurality of heads thereon each comprising a tube holder having tube gripping members and a holder for the lamp part to which said tube is to be sealed and a gauge arm located between said holders for spacing the end of said tube from said lamp part, means for clamping said lamp part in its holder, burners on said heads for heating said lamp parts and said tubes, means for moving said carrier and causing said gauge arm to move away from its position between said holders, and cam means for suc-

cessively moving said tube holders as said carrier is moved to bring the ends of the tubes there-



in against the said lamp parts to seal them thereto.

2,100,657
SWITCH
William Correll Edwards, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 9, 1934, Serial No. 714,789
7 Claims. (Cl. 200—16)



1. In a switch, the combination of stationary contacts, a plurality of contact plates, movable contacts provided by each contact plate, a carriage providing individual guiding means for each contact plate, said guiding means comprising fingers integral with the carriage and struck out from slots therein to extend substantially parallel therefrom and received by notched portions of the contact plates.

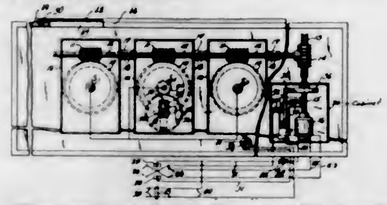
2,100,658
BUILDING-BLOCK
Stanley W. Finch, Washington, D. C.
Application March 11, 1936, Serial No. 68,343
6 Claims. (Cl. 46—26)



1. In combination, a plurality of toy building-blocks, each having a recess therein for the reception of a connector; and a connector having a body portion tube-like in form, and having a longitudinally-disposed slot or kerf extending through the wall thereof, there being within such body portion a resilient, longitudinally-disposed expander tending to restore the walls of such body portion to a normally expanded condition when the connector is withdrawn from the recess in a block.

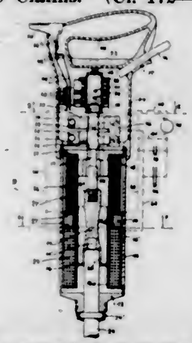
2,100,659
RADIO APPARATUS
Leslie A. Gould, Bridgeport, Conn., assignor, by direct and mesne assignments, to Columbia Phonograph Company, Inc., Bridgeport, Conn., a corporation of New York
Application April 23, 1925, Serial No. 25,253
8 Claims. (Cl. 250—40)

5. In combination with a radio receiving mechanism including a tuning device having a movable element, a panel having a translucent window, means for throwing a beam of light on said window and connected to move in certain timed relation with said element, and means for adjusting said element.



6. The combination with a radio receiving mechanism including a plurality of tuning devices having rotatable adjustable elements, rotatable means for operating said devices, there being a detachable rotatable driving connection from said means to each of the respective elements, a motor for driving said means and means remote from said receiving mechanism for controlling the operation of the motor.

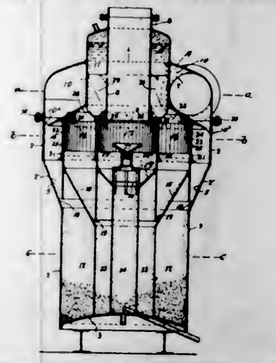
2,100,660
ELECTROMAGNETIC TOOL OF THE PERCUSSION TYPE
Max Greiner, Berlin-Charlottenburg, Germany
Application October 31, 1935, Serial No. 47,713
In Germany April 18, 1934
19 Claims. (Cl. 172—126)



19. Electromagnetic tool of the percussion type comprising frame elements and a reciprocatory armature guided therein constituting two substantially closed magnetic flux circuits, two coils each associated with one of said circuits to induce a flux therein, the first coil having a larger number of turns and a smaller conductor cross-section than the second coil, a resilient buffer means for said armature arranged adjacent to said first coil, a tool shank adapted to be struck by said armature and arranged adjacent to said second coil, a source of current, and an interrupter adapted to be operated by said armature and to alternately connect said coils to said source of current.

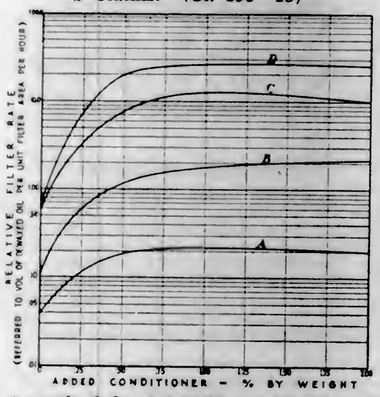
2,100,661
LIQUID PURIFIER
Charles Gilbert Hawley, Chicago, Ill., assignor to Centrifix Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 16, 1934, Serial No. 753,383
4 Claims. (Cl. 209—211)

1. The herein described process for the purification of flowing liquid which consists in organizing the moving liquid into coaxial vortices, one within the other, feeding the liquid into the vortex of large diameter and permitting its outflow to and through the vortex of less diameter, and in each said vortex compelling the liquid to move downward in cylindrical sheet form and to substantially exhaust its downward whirling



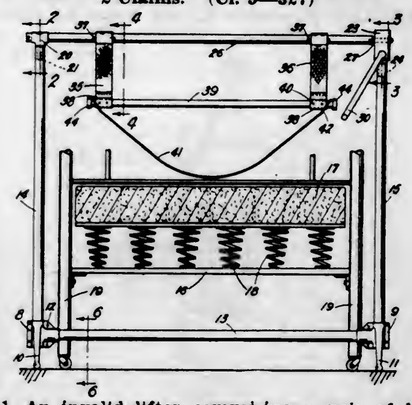
force before then reversing the direction of liquid flow to permit its outflow at a level above that of such reversal outflow therefrom, discharging centrifugally separated solids at such levels of exhaustion and reversal, and, into bodies of liquid sufficiently quiet to permit sedimentation therein, and discharging sedimented matters from the bottoms of such bodies.

2,100,662
DEWAXING PETROLEUM OILS
Arthur L. Lyman and Melvin M. Holm, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 12, 1935, Serial No. 10,594
2 Claims. (Cl. 196—18)



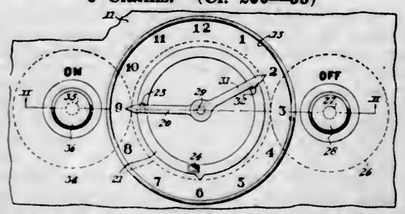
1. A method for separating wax from oil by continuous filtration at a rapid rate with a high yield of dewaxed oil and production of a wax filter cake having low oil content, comprising the steps of dissolving together the oil, a wax crystal conditioner, and a hydrocarbon solvent of which the major portion is liquid at normal temperature and pressure and the A. S. T. M. 50% point is below 250° F., and chilling the solution to a point at which wax solidifies by directing the solution through cooling means in non-turbulent flow and in such manner as to prevent shock chilling and temperature mixing of any minor portions of the solution to thereby insure the obtaining of a high filter rate during prolonged continuous filtration.

2,100,663
INVALID LIFTER
Robert D. Maddox, Cincinnati, Ohio
Application August 15, 1935, Serial No. 36,366
2 Claims. (Cl. 5—327)



1. An invalid lifter comprising a pair of leg members, a horizontal tubing connecting the leg members, a pair of standards positioned on the leg members, a sleeve bearing removably seated upon one standard, a gear housing removably seated upon the other standard, a horizontal rotatable bar receivable in the sleeve housing and rotatably held in the gear housing, a helical gear positioned on the bar within the gear housing, a crank, a worm gear controlled by the crank and irreversibly engaging the helical gear, two canvas straps fastened intermediate the ends of, and adapted to be wound on the rotatable bar, a horizontal rod fastened intermediate its ends to the depending ends of the canvas straps, a canvas lifting sling adapted to normally remain under the invalid, and D-rings fastened to the ends of the canvas sling and removably held by the rod outside the canvas straps whereby the sling is held in extended position when it is raised.

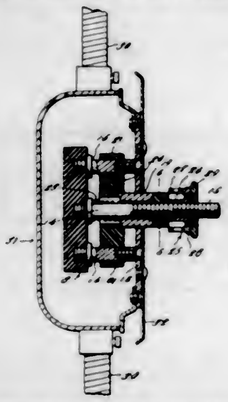
2,100,664
CLOCK CONTROLLED CONTACT MECHANISM
Robert E. McClure, Warren, Ohio, assignor, by mesne assignments, to The Wean Engineering Co., Inc., Warren, Ohio, a corporation of Ohio
Application August 8, 1936, Serial No. 94,922
6 Claims. (Cl. 200—35)



1. In a clock-controlled contact mechanism, a clock hand, a contact hand insulated from the

clock hand but engageable therewith to close a circuit, and means adjustable about the path of the clock hand to cause the clock hand to separate from the contact hand.

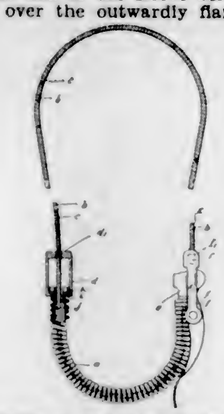
2,100,665
TEMPERATURE CONTROLLED SAFETY ELECTRIC SWITCH
John Francis McCormack, New Haven, and John Richard Leonard, Gales Ferry, Conn.
Application November 16, 1936, Serial No. 111,100
2 Claims. (Cl. 200—142)



1. In a circuit maker and breaker, a plate of conductive material, a pair of posts extending therefrom, a block of insulating material mounted on the free ends of said posts, a second block of insulating material slidably mounted on said posts, intermediate the first mentioned block and said plate for movement towards and from the first mentioned block, and tensioned against movement in the former direction, complemental contacts on said blocks, respectively, adapted to be engaged by movement of the second block toward the first block, a sleeve mounted at one end in the second block to slidably extend through said plate, a stud extending from the first block through and beyond said sleeve, a sleeve-like nut threaded on to the outer end of said stud to telescope into the outer end of said sleeve, and a plug of fusable material in the outer end of said sleeve blocking telescopic movement of said nut into the latter.

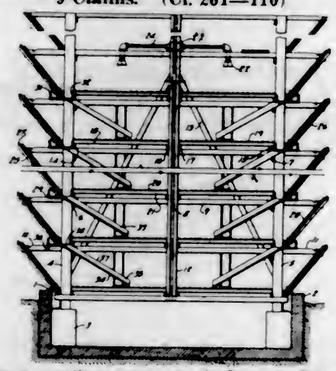
2,100,666
SKIBINDING
Alfred Müller, Munich, Germany
Application March 3, 1936, Serial No. 66,861
In Germany July 24, 1935
3 Claims. (Cl. 280—11.35)

1. A ski-binding, comprising in combination a tightener in the form of a spiral spring, a cable extending through this tightener spring and projecting from one end thereof, a clamping lever at one end of said tightener one end of said cable fixed in this clamping lever, a device on this clamping lever for securely but detachably holding the other end of said cable, a spiral spring encasing the projecting portion of said cable, and a turnable sleeve attached to the other end of said tightener spring and screwed on said table and adapted to shorten and lengthen the effective portion of said cable in accordance with the direction in which said device is turned, the inner open end of the sleeve bent inwards and engaging over the outwardly flanged end of a



sleeve inserted in the corresponding end of the tightener spring.

2,100,667
COOLING TOWER
Robert R. Pabodie, Kansas City, Mo., assignor to J. F. Pritchard & Company, Kansas City, Mo., a corporation of Missouri
Application November 16, 1936, Serial No. 111,030
9 Claims. (Cl. 261—110)

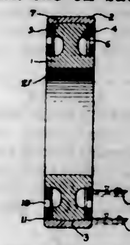


1. In a cooling tower including decks, means supporting the decks in superimposed relation, means for delivering the liquid to be cooled to the uppermost deck for gravitation to the lower decks, troughs on the deck supporting means below the edges of the decks to collect any liquid that drifts laterally between the decks, and ducts connected with the troughs to return the liquid toward the opposite side of a lower deck.

2,100,668
RADIAL PLAIN BEARING
Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application December 7, 1934, Serial No. 756,540
In Sweden January 29, 1934
5 Claims. (Cl. 308—170)

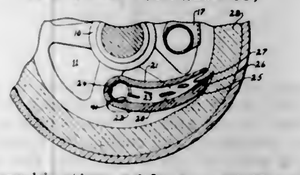
1. In a plain bearing, adapted to be mounted in a housing formed at its lower part with a reservoir capable of holding an oil bath, the combination with an inner bearing member adapted

to be fixed to a rotary shaft and provided with annular thrust taking bearing surfaces lying in a radial plane, of a stationary outer bearing ring member, and a stationary ring member bearing against the thrust taking surfaces of the said inner bearing member and being adapted to be interposed between the oil bath and the rotary



bearing part, the inner diameter of the said stationary ring member being substantially smaller than the inner diameter of the annular thrust taking surfaces of said inner bearing member, the said stationary ring member having an aperture for putting the oil bath into communication with the interior of the bearing.

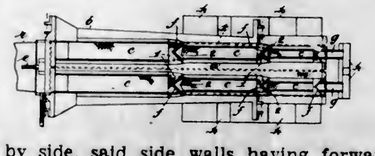
2,100,669
CENTRIFUGAL SEPARATING MACHINE AND METHOD OF TREATING SLUDGES
Joseph S. Pecker, Philadelphia, Pa., assignor to American Centrifugal Corporation, New York, N. Y., a corporation of Delaware
Application March 9, 1934, Serial No. 714,850
13 Claims. (Cl. 210—63)



1. In combination with a centrifugal separating machine including a rotary centrifugal basket and means for rotating the basket to separate liquids from solids and build up a wall of solids in the basket, of a seepage means at the top of the basket including channels open at their inner and outer ends and having communication with the interior of the basket substantially throughout the lengths thereof for the continuous discharge of separated liquids through the channels during separation of the liquids from the solids incident to rotation of the basket, and a single means operatively connected with the machine and having communication with the interior of the basket for drawing liquids away from the inner surface of the built up wall of solids subsequent to the aforesaid separation of liquids from solids and also operable for withdrawing the solids from the basket subsequent to the separation of the liquids from the solids and discharge of the separated liquids from the basket.

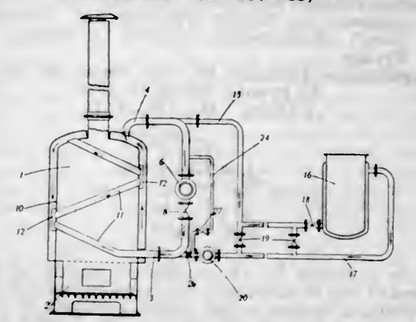
2,100,670
APPARATUS FOR THE SEPARATION OF SOLID MATERIALS OF DIFFERENT SPECIFIC GRAVITIES
George Raw, Ravenswood, Low Fell, England
Application November 18, 1932, Serial No. 643,258
In Great Britain November 18, 1931
5 Claims. (Cl. 209—468)

1. Apparatus for the separation of materials of different specific gravities comprising a permeable table or deck unit having a single frame or chassis, means for jigging said unit, a blower, control means for supplying sharp pneumatic pressure variations to said unit, said control means including sealing pieces for providing alternate periods of fully interrupted supply of pneumatic pressure to increase the rate of stratification of the materials and minimize the necessary length of travel of the materials on the deck unit, means for removing the flotant stratum of material from the unit substantially at the rate said stratum is formed, said removing means comprising a plurality of pairs of generally forwardly converging side walls dividing the deck unit into a plurality of decks disposed



side by side, said side walls having forwardly spaced contracted portions and substantially parallel portions, and means at the contracted portions for guiding the flotant stratum over the side walls, the total amount of contraction of all the side walls being sufficient to compensate for the discharge of the flotant stratum of material from the deck as formed and preserve uniformity of depth of the bed of material, the said total amount of contraction of the unit being divided among the side walls so that the degree of contraction of each wall is sufficiently low so as not to interfere with the forward movement of the material on the decks, and said decks being free of projections extending into the path of the material.

2,100,671
LIQUID CIRCULATION HEATING SYSTEM
James Arthur Reavell, Westminster, London, England, assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Application November 12, 1936, Serial No. 110,462
In Great Britain November 23, 1935
1 Claim. (Cl. 237—63)



A liquid circulation heating system of the character described comprising the combination of an absorber, means for heating the absorber, means interconnecting the absorber with two correlated and intercommunicating circulatory systems, a circulating pump in each system so that one serves for the circulation of the oil through the absorber whilst the other pump serves for the circulation of the heated oil through a heating circuit including means to be

heated, and a valve controlled bye-pass permitting the outlet from the heating circuit pump to be connected with the inlet of the absorber pump.

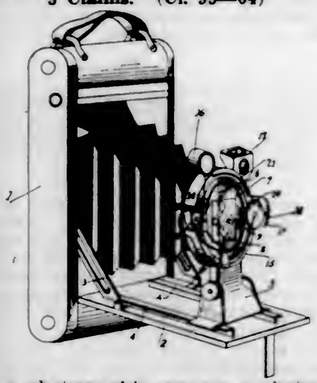
2,100,672

PHOTOGRAPHIC CAMERA

Ödön Riszdorfer, Budapest, Hungary

Original application September 12, 1932, Serial No. 632,816. Divided and this application August 6, 1935, Serial No. 34,966. In Hungary September 12, 1931

5 Claims. (Cl. 95—64)



1. In a photographic camera, a photographic object lens, a device for the control of light entering the camera through said object lens, a photo-electric cell, a rotary spool instrument deriving current from the photo-electric cell, means whereby the said device is controlled by the rotary spool instrument, and a magnet for the production of a magnetic field for the rotary spool instrument, the said magnet embracing the photographic object lens.

2,100,673

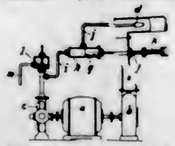
DEVICE FOR THE COMBINED CONTROL OF THE ADMISSION OF AIR AND OF FUEL IN AUTOMATIC HEAVY-OIL FURNACES

Erwin Frédéric Schwander, Reichshoffen, France, assignor to Societe d'Etudes des Vehicules "Sev", Reichshoffen, France, a society of France

Application February 19, 1936, Serial No. 64,798

In France March 20, 1935

1 Claim. (Cl. 158—42.1)



In a device for the combined control of air and of fuel in automatic heavy-oil furnaces comprising a burner, a fuel pump, a blower, a motor for simultaneously driving the blower and the fuel pump, conduits connecting the blower and the fuel pump to the burner, a regulating member for controlling the flow of air in said air conduit and a single means for controlling the flow of fuel in said fuel conduit and for controlling said regulating member comprising: a cylinder and a piston therein, said cylinder being inserted in said fuel conduit in such a manner that the portion of the fuel conduit leading from the pump is in communication with the cylinder adjacent one end of the piston stroke and the portion of the fuel conduit leading to the burner is in communication with the first conduit portion only when the piston is at the other end of its stroke, means biasing said piston toward the first mentioned end and means connecting the piston to said regulating member in such a manner that the regulating member is in full open position in the air conduit when the piston is at said other end of its stroke.

2,100,674

CONVERTIBLE HOIST

Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York

Application July 6, 1935, Serial No. 30,181

1 Claim. (Cl. 254—169)



A convertible hoist, comprising a casing, a single load chain having a load hook permanently secured to the end thereof, a chain engaging member carried by the casing for detachably receiving a part of the chain near the load hook thereof, whereby, when so engaged, a depending loop is formed in the chain, and a movable load engaging block engageable with the loop, comprising a frame, a load engaging hook carried by the frame, a pin carried by the frame, spring-pressed means for retaining the pin in detachable position, and a chain wheel pivotally mounted on the pin.

2,100,675

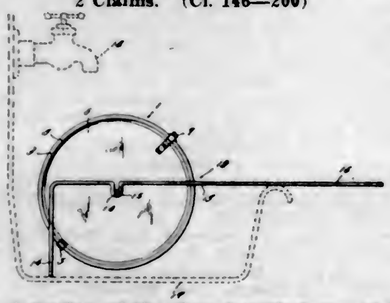
FRUIT AND VEGETABLE WASHER

Robert M. J. Traynor, Summit, N. J.

Application June 25, 1935, Serial No. 28,343

Renewed June 9, 1937

2 Claims. (Cl. 146—200)



1. A washer of the class described comprising a stand, and a foraminous container rotatably

mounted on the stand, said stand being formed from a single length of resilient wire and including a frame for the reception of the container, said frame comprising a downturned end portion constituting a support, and a substantially U-shaped handle projecting longitudinally from the other end of the frame, the container being substantially cylindrical and including trunnions on its ends, an actuating handle on one of said trunnions, the frame further including depending loops for the reception of the trunnions and constituting bearings therefor.

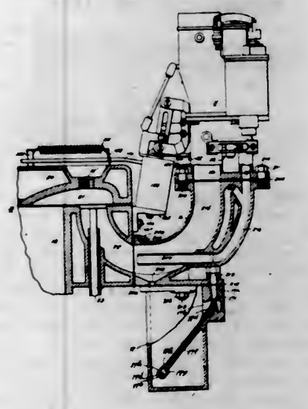
2,100,676

FUEL SYSTEM FOR COMBUSTION ENGINES

Homer A. Trussell, Detroit, Mich.

Application March 23, 1933, Serial No. 662,399

34 Claims. (Cl. 123—119)



1. In a fuel system for a combustion engine, downdraft feeding of the working fluid in a plurality of portions, updraft induction of the working fluid to the combustion chamber inlet, and conduits for said portions, said conduits being united adjacent the point at which said updraft induction begins, and a throttle valve adapted to control delivery of fuel and air to one of said conduits from an upright passageway below the point of initial vaporization of said fuel.

2,100,677

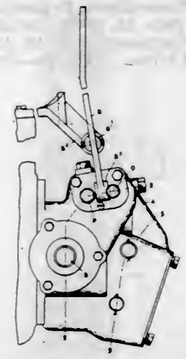
POWER TAKE-OFF ATTACHMENT FOR MOTOR VEHICLES

Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Application October 28, 1935, Serial No. 47,165

15 Claims. (Cl. 74—11)

1. A self-contained power take-off unit having a housing for attachment to a motor vehicle transmission casing, a power take-off shaft journaled in the housing, a pair of gears mounted on said shaft within said housing and respectively splined to said shaft and freely revoluble thereon, said freely revoluble gear being adapted to constantly mesh with a cooperating constantly driven gear in the transmission mechanism, and said splined gear being shiftable into and out of mesh with a constantly driven gear in said transmission mechanism, and a reversing train within said housing in constant mesh with said freely



revoluble gear and engageable with said splined gear in one position of adjustment thereof.

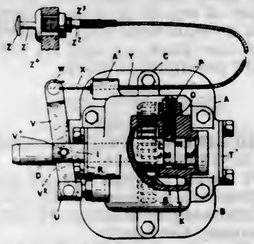
2,100,678

POWER TAKE-OFF ATTACHMENT FOR MOTOR VEHICLES

Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

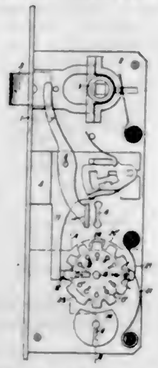
Application October 28, 1935, Serial No. 47,166

2 Claims. (Cl. 74—11)



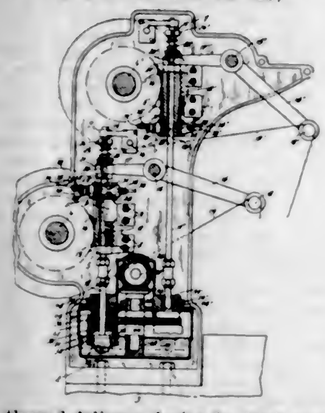
1. In a power take-off attachment for motor vehicles, the combination with a casing attachable to a transmission housing of a motor vehicle, a power take-off shaft journaled within said casing and projecting laterally therefrom, and a power take-off gear splined on said shaft and engageable with a gear of the transmission of the motor vehicle, of means for actuating said power take-off gear including a shaft slidably mounted within said casing substantially in parallel relation to said power take-off shaft and projecting laterally outwardly from said casing, said slidable shaft having an enlarged portion transversely slotted to embrace the periphery of the power take-off gear, a fulcrum bracket mounted on the casing below the slidable shaft, a lever pivoted at its lower end upon said bracket and pivotally connected intermediate its ends to the outer end of the slidable shaft, a tubular bearing attachable to an instrument panel of the motor vehicle, a boss on said casing substantially in horizontal alignment with the upper free end of the lever, a flexible conduit terminally mounted in said tubular bearing and boss, a plunger slidably engaging said tubular bearing, a knob attached to said plunger, and a wire extending through said flexible conduit and terminally connected to said plunger and to the upper free end of said pivoted lever.

2,100,679
LOCK
Antoine Wassenhove, Brussels, Belgium
Application July 23, 1936, Serial No. 92,129
In Germany July 19, 1935
3 Claims. (Cl. 70—307)



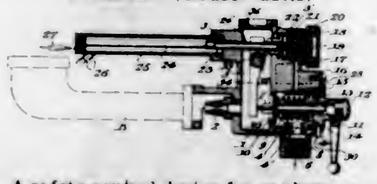
1. A door lock, comprising in combination a lock case having a front and rear plate, each plate having two key holes, a bolt slidable in said case, two permutation discs in said case, locking two discs one for each permutation disc, means for coupling one locking disc with one permutation disc to lock said bolt in shot position, a single reversible bitted key adapted to adjust said permutation discs and shoot said bolt, stops on the inner side of one of said case plates, the key being guided by said stops and by the inner side of the other case plate, so that its bit only acts on one of said permutation discs.

2,100,680
THREAD DELIVERY DEVICE FOR WARP KNITTING MACHINES
Emil Herbert Wirth, Hartmannsdorf, near Chemnitz, Germany, assignor to the Firma Emil Wirth Wirkmaschinenfabrik, Hartmannsdorf, near Chemnitz, Germany
Application December 10, 1936, Serial No. 115,217
In Germany December 11, 1935
4 Claims. (Cl. 66—86)



1. A thread delivery device for high speed warp knitting machines, comprising a bracket fixed to the frame of the warp knitting machine, warp beam shafts journalled in said bracket, axially displaceable shafts rotatably mounted in bearings fixed to said bracket, means for shifting said axially displaceable shafts by the warp threads supplied to the machine, a worm wheel connected to each of said warp beam shafts, worms engaging with said worm wheels mounted upon said axially displaceable shafts, wedges slideably connecting said worms to said axially displaceable shafts, a brake mechanism mounted upon a hub portion of each worm extending beyond the bearing member, a casing fixed to said bracket, and a clamp roller coupling arrangement provided in said casing and adapted to transmit motion from the cam shaft of the warp knitting machine to said warp beam shafts.

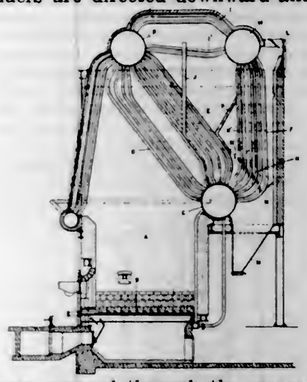
2,100,681
SAFETY GAS-BURNER
Hans Arquint, Sursee, Switzerland
Application June 12, 1935, Serial No. 26,284
In Germany June 15, 1934
5 Claims. (Cl. 158—117.1)



1. A safety control device for gas burners, comprising a valve chest having a gas inlet and divided into a valve chamber and a thermostat-lever chamber, said valve chamber communicating with said gas inlet and said lever chamber, a gas outlet nozzle for the flow of gas from said lever chamber to a gas burner, a manually-actuated plug valve in said valve chamber and provided with communicating radial and axially extending ports for the flow of gas into said valve chamber when the radial port is in register with the gas inlet, a poppet valve for closing communication between the valve chamber and said lever chamber, said poppet valve having a stem axially slidably mounted with said plug, resilient means urging said poppet valve to a closed position, a thermostat having a pilot light associated therewith, said valve chest having passageways therein for supplying gas from said inlet to said pilot light, said plug valve having passageways cooperating with those in the valve chest to control the flow of gas to the pilot, a lever pivotally mounted in said lever chamber, means carried by said thermostat for actuating said lever, and adjustable contact means carried by said poppet valve for engaging one end of said lever to transmit displacement of said lever to said valve to open the same.

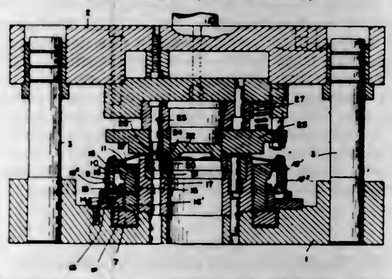
2,100,682
CINDER AND ASH REMOVER
Royce L. Beers, Birmingham, Mich., assignor to Detroit Stoker Company, Monroe, Mich., a corporation of Michigan
Application July 1, 1935, Serial No. 29,410
4 Claims. (Cl. 122—301)

1. The combination with a tubular boiler and a setting therefor including a bank of tubes arranged in spaced rows and a baffle for directing the hot gases in a downward direction into said bank and thence upward through said bank, of a cinder and ash separator comprising a series of plates arranged between adjacent rows of tubes and spaced apart for passage of gases therebetween and together forming a downward continuation of said baffle across the bank whereby the cinders are directed downward and the hot



gases pass upward through the spaces between the plates and tubes in each row.

2,100,683
DIE CONSTRUCTION
Edwin A. Bierwirth, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application August 3, 1936, Serial No. 94,107
7 Claims. (Cl. 164—86)



5. In a die construction for piercing the web of a brake drum having an annular brake flange with an internal braking surface, the combination with a base having a central pilot, a transversely split resilient ring within the brake drum and engageable with the braking surface, a tapered member supported upon said base and extending within said ring and engageable with an edge portion thereof, said tapered member being concentric with said pilot, a member fixed with respect to said base and engageable with an end of the brake flange to support the brake drum, a second tapered member guided by said pilot and engageable with the other edge portion of said ring, means for axially moving said second mentioned tapered member with respect to said first mentioned tapered member, die means upon said pilot and engageable with the web, and punch means cooperable with said die means for piercing the web.

2,100,684
WELL BRIDGING, CEMENTING, WHIPSTOCK, AND MILLING APPARATUS
Monroe W. Carroll, Beaumont, Tex.
Application March 28, 1936, Serial No. 71,474
7 Claims. (Cl. 255—1)

1. A cylindrical housing, an inclined whipstock in said housing, a lower cylindrical head on said whipstock, a packer on said head and means responsive to the flow of fluid past said whipstock

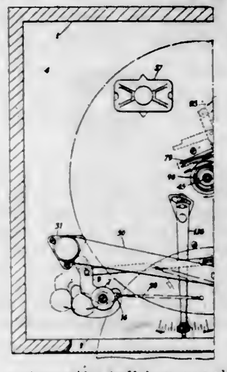


to move said whipstock, set said packer and anchor same in the well casing.

2,100,685
LUBRICATING COMPOSITION
George S. Cavanaugh, Los Angeles, Calif.
No Drawing. Application April 27, 1936, Serial No. 76,613
5 Claims. (Cl. 87—9)

1. A lubricating composition comprising mineral oil containing at least .05% diethylene oxide, the proportion of diethylene oxide present being insufficient to materially alter the flash and fire and the viscosity characteristics of the mineral oil.

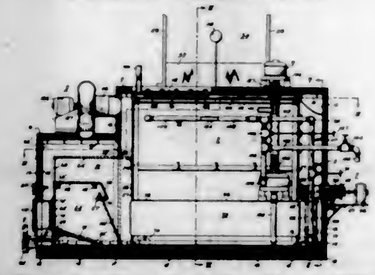
2,100,686
TALKING MACHINE
Christopher Collaro, London, and Desmond George Lewin, Hawdenbury, Tunbridge Wells, England
Application August 16, 1933, Serial No. 685,452
In Great Britain August 19, 1932
16 Claims. (Cl. 274—10)



11. In an automatic talking machine mechanism the combination of a carrier arm arranged to swing in a horizontal plane and fixed against vertical movement, a plunger carried by said carrier arm, means for causing said plunger to sink into a central hole of a record to be played by the machine, means for causing said carrier arm to swing a record engaged by said plunger to a central position on the turntable, a pick-up arm and mechanism interconnecting the pick-up arm

and carrier arm so that, as the latter centralizes the record on the turntable, the pick-up arm is simultaneously moved to a position such that the edge of the record lies beneath the needle in the pick-up or sound box when the record is disposed centrally on the turntable.

2,100,687
HEATING APPARATUS
Frank H. Cornelius, Swissvale, Pa.
Application February 16, 1931, Serial No. 515,977
9 Claims. (Cl. 126—343.5)



1. In a heating apparatus, the combination with means for producing heated gas, of means for containing a meltable material, means for conducting said gas in heat-transferring relation to said material, means for recirculating at least a portion of said gas to said conducting means to vary the temperature of the gas therein, means for exhausting any remaining portion of said gas, means for circulating said material, when melted, on top of and past said gas-conducting means, and means responsive to the temperature of said gas at a predetermined point for controlling the circulation of said material.

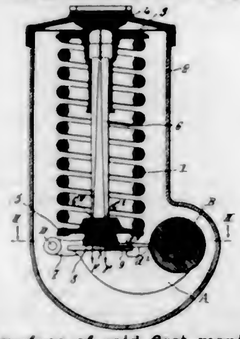
2,100,688
LOOM SHUTTLE
Fredric E. Douglas, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application August 12, 1937, Serial No. 157,776
5 Claims. (Cl. 139—207)



1. A loom shuttle comprising a shuttle body having a bobbin-receiving cavity and a recess at one end of said cavity, opposed bobbin gripping jaws each pivoted at one end in said recess and projecting into said cavity, and a separate spring comprising an open sided loop of spring material extending around the pivoted ends of said jaws, the ends of said spring loop engaging said jaws and yieldingly urging the same together.

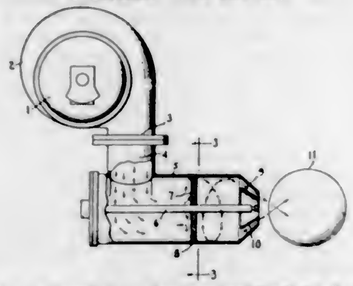
2,100,689
ELASTIC SUSPENSION SYSTEM
André Dubonnet, Neuilly-sur-Seine, France
Application June 21, 1935, Serial No. 27,800
In Belgium June 23, 1934
10 Claims. (Cl. 267—20)

1. A device of the type described for supporting a variable load which comprises, in combination, a lever arranged to support the action of said load, a spring for balancing the action of said load, a second lever pivoted about an axis located on the other side of said spring with respect to said first mentioned lever a system for transmitting through said second mentioned lever the action of said spring to said first mentioned lever, said levers occupying a predetermined intermediate position and said spring undergoing a certain intermediate deflection when the load has an intermediate value, said system including a plate forming an abutment for one end of said spring, a member rotatable with respect to said plate and pivoted about an axis fixed in position on said second mentioned lever adapted to move



along the surface of said first mentioned lever, whereby the leverage of the force transmitted by said spring to said first mentioned lever, with reference to the fulcrum of said first mentioned lever is caused to increase when the deflection of said spring rises above said intermediate value, and cooperating contact surfaces on said two levers respectively adapted to come into contact when the deflection of said spring drops below said intermediate value, said surfaces being so shaped as to cause the flexibility of the device to increase when the deflection of said spring is decreasing below said intermediate value.

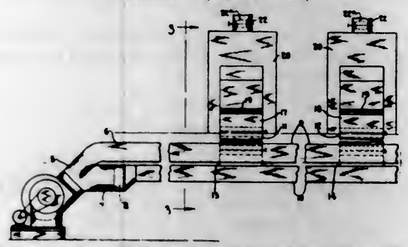
2,100,690
MECHANICAL ADVERTISING DEVICE
Robert F. Andler, Rutherford, N. J., assignor to Electrol Incorporated, Clifton, N. J., a corporation of Delaware
Application December 29, 1936, Serial No. 118,082
3 Claims. (Cl. 35—49)



1. An advertising device designed to hold an air filled balloon adjacent the end of a cylindrical sleeve, a source of air supply, means to direct said air into said cylindrical sleeve, a disc mounted in said sleeve having a plurality of peripheral orifices inclined to cause the air currents to gyrate in said sleeve on the side of the disc away from the entrance of the air current, the end of said cylindrical sleeve being formed

by a truncated conoidal portion, a smaller truncated conoidal cone mounted inside of the end of said sleeve, forming an annular conoidal space intermediate the two, whereby the air escaping therefrom will be wound up into a vortex which operates to support the air filled balloon adjacent the end of said cylindrical sleeve.

2,100,691
METHOD FOR THE CONDITIONING OF FLOUR
Waldo E. Foster, Minneapolis, Minn.
Application July 17, 1935, Serial No. 31,886
2 Claims. (Cl. 83—42)



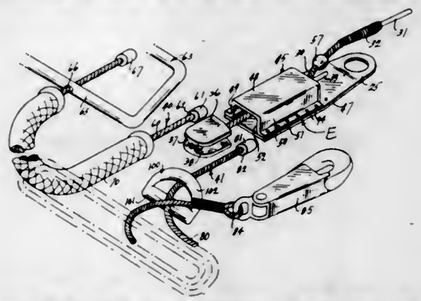
1. In a method of conditioning flour, consisting of the steps of processing grain of variable humidity content progressively by stages, and having a variable moisture content in the various stages, comprising treating the grain in each of the various stages within closed receptacles as follows: conditioning air remote from said grain processing stages to substantial saturation, dividing said air into a plurality of streams; treating one of said streams by heating it to change its relative humidity, whereby one stream contains air substantially saturated with moisture and the other contains air of a less degree of saturation; moving both streams of air to a processing stage; regulating the relative humidity of the air before admission to said stage according to the moisture content of the grain in said receptacle by mixing the streams in various amounts so that there is no free moisture in the mixed air, and conducting the mixture to at least one of said closed receptacles.

2,100,692
PROCESS OF VULCANIZING RUBBER AND PRODUCT PRODUCED THEREBY
Marion W. Harman, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 11, 1933, Serial No. 665,568
12 Claims. (Cl. 18—53)

1. The process of producing vulcanized rubber which comprises heating rubber and sulfur in the presence of a vulcanization accelerator comprising a reaction product of a saturated aromatic primary amine and a thiazyl disulfide.

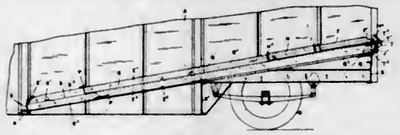
2,100,693
PARACHUTE PACK FASTENING AND RELEASING MECHANISM
Leslie L. Irvin, Letchworth, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application April 8, 1935, Serial No. 15,300
10 Claims. (Cl. 244—148)

1. In a parachute pack the combination of a container having a closure, fastening means for the closure, independent manual and automatic rip cords both releasably connected to said fastening means in order to effect a release of the fastening means, and means for retaining the



connection of both of said rip cords with said fastening means only until the latter is moved to a position for the release opening of the container closure.

2,100,694
SKID CARRIER FOR MOTOR VEHICLE TRANSPORTS
Irving H. Judd, Dearborn, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 27, 1936, Serial No. 76,716
22 Claims. (Cl. 214—85)

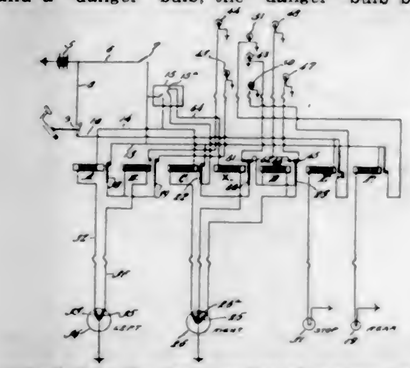


1. A collapsible skid for motor vehicle transports comprising a track member attachable at its forward end to the rear end of the track on the transport, a leg member hingedly secured to the rear end of said track member and having a foldable extension, said leg and extension being selectively engageable with the ground to support the track member and a separate track member detachably connected at its forward end to said first track member and leg and extending therefrom to the ground or pavement.

2,100,695
AUTOMATIC SAFETY LIGHTING SYSTEM
John William Lackey, North Creek, N. Y.
Application August 15, 1934, Serial No. 739,990
1 Claim. (Cl. 177—311)

In combination with a bulb having a high and a low beam filament, a source of current, a relay including a coil and an armature, a dimmer switch, a connection from the battery to one side of the relay coil and having the dimmer switch therein, a connection between the other side of the coil and the high filament, a back contact adjacent the armature connected to the battery connection on the battery side of the dimmer switch, a second relay including a coil and armature, the first-mentioned armature being connected to the second-mentioned armature and to one side of the second-mentioned coil, a connection between the remaining side of the second-mentioned coil and the low filament, a pair of stationary contacts between which the second-mentioned armature operates, and against one of which contacts said second-men-

tioned armature normally engages, a "caution" and a "danger" bulb, the "danger" bulb being



connected to the last-mentioned contact, while the "caution" bulb is connected to the remaining of the last two mentioned contacts.

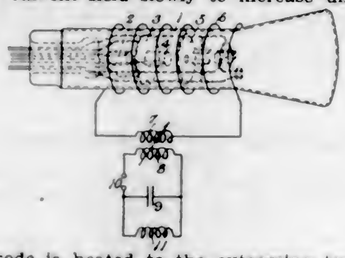
2,100,696
NECKTIE
Joseph B. Loeb, Brookline, Mass.
Application July 2, 1935, Serial No. 29,486
2 Claims. (Cl. 2—146)



1. A four-in-hand necktie comprising a cover of ordinary construction and capable of longitudinal resiliency combined with a lining composed of two separate and individual plies of pliable material superposed upon each other and of the same character with respect to the tendency to curl longitudinally, in each of which plies the warp and weft threads extend diagonally to the longitudinal axis of the tie, and in one of which plies the warp threads extend in a direction substantially at right angles to that of the warp threads in the other ply, whereby the tendency to curl in one ply counteracts the tendency to curl in the other ply, said plies having their longitudinal edge portions free from each other.

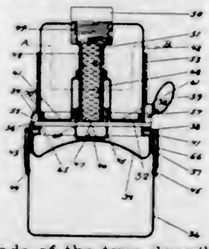
2,100,697
BRAUN TUBE AND METHOD OF PRODUCING BRAUN TUBES
Siegmund Loewe, Berlin, Germany
Application August 24, 1933, Serial No. 686,514
In Germany August 29, 1932
1 Claim. (Cl. 250—27.5)

In the process of degasifying electrodes consisting of magnetic material for Braun tubes the steps of arranging the electrode within the area of action of a high frequency coil, causing an eddy current field slowly to increase until the



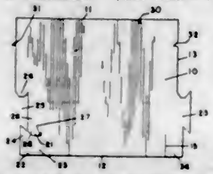
electrode is heated to the outgassing temperature and causing said eddy current field hereupon slowly to decrease.

2,100,698
GRENADE
Eric Göran Mörner, Stockholm, Sweden
Application May 24, 1934, Serial No. 727,331
In Sweden May 26, 1933
8 Claims. (Cl. 102—29)



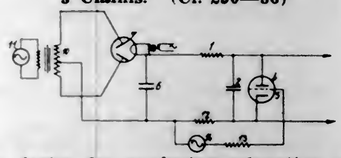
1. A grenade of the type described comprising two hollow bodies containing the complete explosive charge and each of them being open at one end, flanges formed around each of said open ends for uniting said ends in such a way that they may be rockable in all directions in relation to each other, and an ignition device being influenced by the relative movements of said hollow bodies in order to explode the charge on impact against any point of the surface of said bodies.

2,100,699
SHINGLE
James H. Norrid, Detroit, Mich.
Substitute for abandoned application Serial No. 595,179, February 25, 1932. This application April 13, 1936, Serial No. 74,207
5 Claims. (Cl. 108—7)



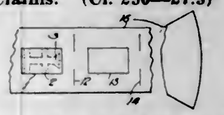
1. A roof covering comprising a plurality of similarly shaped shingles having their adjacent edges in overlapping relation, each of said shingles comprising a substantially flat rectangular body having a cut in its bottom parallel to and adjacent one vertical side thereof to form a tongue, the shingle also having a recess in its opposite side, each shingle having a slit extending inwardly of the shingle from one end of said recess to receive the tongue of an adjacent shingle, said recess and said slit forming a stepped edge along said opposite side.

2,100,700
RELAXATION OSCILLATION GENERATOR
Kurt Schlesinger, Berlin, Germany
Application September 29, 1933, Serial No. 691,562
In Germany October 1, 1932
3 Claims. (Cl. 250—36)



1. A device for producing relaxation oscillations comprising a charging condenser having terminals, a circuit for charging said condenser comprising a variable direct potential source having a positive and a negative pole and a charging resistance connected in series across said condenser, a second resistor connected in said charging circuit between said negative pole and a condenser terminal, a gas filled discharge valve for discharging said condenser having a grid, a cathode, and an anode, a synchronizing potential source, means for connecting said anode and cathode across said condenser and means for connecting said second resistor and said synchronizing potential source in series between said cathode and grid, whereby constant frequency relaxation oscillations occur despite variations in said source.

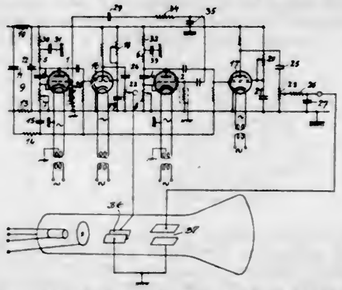
2,100,701
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application October 18, 1933, Serial No. 694,134
In Germany October 21, 1932
8 Claims. (Cl. 250—27.5)



1. In a Braun tube in combination with a picture receiving screen and an electro-static electron optical system having an aperture angle of at least 10 degrees: a structural unit producing a bundle of cathode rays, the angle of inclination of which with respect to the tube axis does not exceed 10 degrees for the purpose of causing the electron optical system to collect all of the electrons produced by said unit for forming one sharp image on the image screen, said structural unit comprising an indirectly heated cathode body, a highly emissive surface covering a partial area of the surface of the cathode body facing the electron optical system, said structural unit further comprising a control electrode, said highly emissive surface being disposed symmetrically with respect to said control electrode.

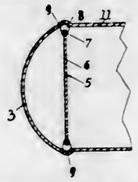
2,100,702
ARRANGEMENT FOR PRODUCING RELAXATION OSCILLATIONS
Kurt Schlesinger, Berlin, Germany
Application October 31, 1933, Serial No. 696,065
In Germany November 4, 1932
3 Claims. (Cl. 250—36)

1. In a television arrangement comprising a relaxation oscillation generator for producing the line deflecting voltage, a mains supply apparatus for supplying said relaxation oscillation generator from the commercial mains, said generator including a gas-filled discharge tube having hot cathode, grid and anode, an impedance



being connected between said grid and said cathode, said impedance having a low apparent resistance with respect to the frequency of said commercial mains and a great apparent resistance with respect to the frequency of said line deflecting voltage.

2,100,703
BRAUN TUBE AND METHOD OF PRODUCING THE SAME
Kurt Schlesinger, Berlin, Germany
Application July 6, 1934, Serial No. 733,996
In Germany July 10, 1933
11 Claims. (Cl. 250—27.5)

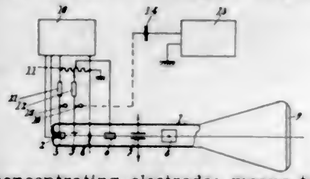


1. A cathode ray tube for television purposes comprising an image receiving screen, said image receiving screen having an area of at least fifteen times fifteen cm., an envelope having a curved end portion and wherein the radius of curvature of the end portion of the envelope is substantially constant throughout the curved end portion, and means for securing said image receiving screen within said envelope, said means including a metal ring pressed against the inner wall of said envelope, and means for firmly connecting said image receiving screen with said metal ring.

2,100,704
TELEVISION RECEPTION ARRANGEMENT WITH BRAUN TUBES
Manfred von Ardenne, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application December 23, 1931, Serial No. 582,740
In Germany December 23, 1930
20 Claims. (Cl. 178—7.5)

1. In a television reception arrangement in combination a Braun tube comprising a cathode and a plate-shaped anode furnished with a small aperture arranged in operative relationship thereto, at least one deflecting electrode arranged between said cathode and said anode in operative relationship to said aperture of said

anode, a picture receiving screen, deflecting means arranged between said picture receiving screen and said anode and means for maintaining constant the direction as well as the position of the path along which the cathode ray enters the space wherein it is deflected, said means being arranged between said anode and said deflecting means and including a cylindrically



shaped concentrating electrode; means to supply said deflecting electrode with a bias and with a control voltage; means to supply said anode with a high positive potential in relation to said cathode; and means to supply said concentrating electrode with a potential which is lower than that of said anode but higher than that of said cathode.

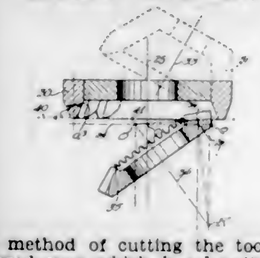
2,100,705

METHOD OF PRODUCING TAPERED GEARS

Ernest Wildhaber and Allan H. Candee, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application May 8, 1934, Serial No. 724,504

14 Claims. (Cl. 51—278)



2. The method of cutting the tooth surfaces of a tapered gear which has longitudinally inclined teeth which comprises positioning a cutting tool and a gear blank in engagement with the axis of the gear blank inclined to the cutting plane of the tip of the tool at other than the root angle of the blank and with the apex of the blank offset from said cutting plane and so that the mean point of contact between the tool and blank is offset from a plane containing the axis of the blank and perpendicular to said cutting plane, and imparting a cutting movement to the tool while producing a relative feed movement between the tool and blank in a direction perpendicular to the plane of cut of the tip of the tool.

2,100,706

ALTITUDE MEASURING APPARATUS

Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany

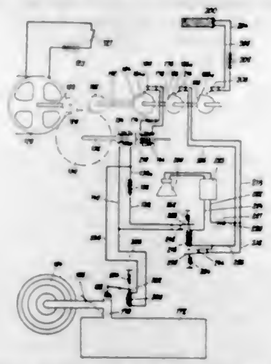
Application November 27, 1933, Serial No. 699,941

In Germany November 26, 1932

7 Claims. (Cl. 73—4)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. Apparatus of the class described comprising an aneroid diaphragm having a valve controlling communication with the atmosphere; indicating means; a consfant speed rotor; motion transmission means, including a clutch mechanism selectively to connect said aneroid diaphragm and said constant speed rotor with said indicating means; means to emit a wave train; means simultaneously operable at the time of emission of the wave train to control said clutch mechanism to



connect said indicating means with said constant speed rotor; means responsive to the return wave train to control said clutch mechanism to disconnect said indicating means from said constant speed rotor and connect said means with said aneroid diaphragm, said responsive means also controlling said valve to shut off communication of said aneroid diaphragm with the atmosphere.

2,100,707

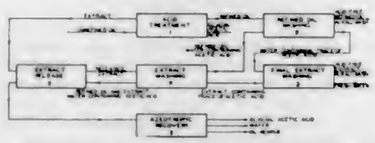
REFINING OF MINERAL OILS

Shanti Swarupa Bhatnagar, Lahore, India, assignor to Steel Brothers & Company Limited, London, England

Application June 15, 1936, Serial No. 85,409

In Great Britain August 19, 1935

9 Claims. (Cl. 196—13)



1. A process for refining liquid petroleum oil fractions which comprises subjecting the fraction to extraction with a quantity of acetic acid of at least 97 per cent. strength amounting to at least about half the volume of the fraction and separating from one another the layers of refined oil and extract thus formed.

2,100,708

SHOULDER STRAP DEVICE

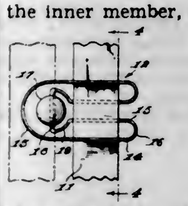
Vincent A. Blakley and Arlington N. Lindenmuth, Allentown, Pa.

Application July 27, 1937, Serial No. 156,012

1 Claim. (Cl. 24—261)

A clasp for shoulder straps comprising an outer U-shaped member, an inner U-shaped member disposed between the parallel legs of said outer member with the bight of said inner member disposed adjacent the bight of said outer member, means connecting the legs of the outer member

with the legs of the inner member, and a bead



rotatably mounted on the bight of said inner member.

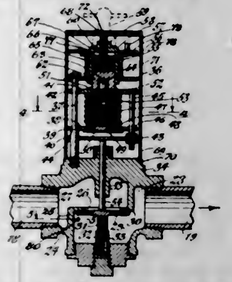
2,100,709

THERMOSTATIC REGULATOR FOR GAS HEATING

Francis G. Crone, Buffalo, N. Y.

Application September 15, 1936, Serial No. 100,910

2 Claims. (Cl. 236—99)



1. A gas regulating mechanism comprising a valve body having a port, a valve closure for controlling said port, and thermostatically responsive means for controlling said valve closure including a shifting rod guided on said body and engaging its inner end with said valve closure, a frame mounted on said body and having upright guide posts, a lower stationary supporting plate mounted on said posts, a floating cage having a lower plate guided on said posts below said lower supporting plate, an upper plate guided on said posts above said lower supporting plate and tie rods connecting said lower and upper plates, a bellows interposed between said stationary supporting plate and said upper cage plate and containing a thermostatic liquid, spring means for resisting the expansion of said bellows, including an adjusting tube mounted on said frame, an adjustable follower connected by a screw joint with said tube, a spring arranged in said follower and bearing at one end against said bellows, and an adjusting screw arranged on said follower and bearing against the other end of said spring.

2,100,710

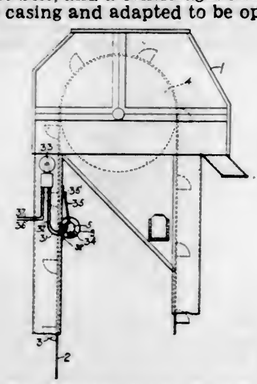
GRAIN ELEVATOR ALARM SWITCH

Lloyd P. Dendel, Lansing, Mich.

Application September 19, 1933, Serial No. 690,165

1 Claim. (Cl. 200—52)

In a conveyor alarm mechanism, the conbination with a support, of a belt arranged to move vertically on one side of the support, an arm having one end pivotally attached to said support, a casing secured to the free end of said arm, a revoluble axis projecting from the casing, a wheel secured to the axis externally with respect to the casing, said wheel being constructed and arranged to be held by reason of the weight of the wheel and casing in contact with said belt whereby the wheel is revolved by the movement of the belt, and a centrifugal switch located within the casing and adapted to be operated and



controlled by the revolution of said wheel and axis.

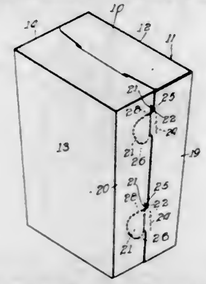
2,100,711

CONTAINER

Ronald I. Drake, Appleton, Wis., assignor to Beatrice Creamery Company, Chicago, Ill., a corporation of Delaware

Application June 14, 1933, Serial No. 675,755

10 Claims. (Cl. 229—23)



7. As an article of manufacture, an elongated sheet of flexible, creasable material provided on one of its marginal terminals with a plurality of spaced-apart integral hook-like projections and within the body portion thereof at the other extremity of the sheet, a plurality of similarly spaced, co-operable, integrally formed, flexible tongues each extending transversely of its corresponding projection and partially severed from the body of the sheet by a plurality of intersecting kerfs, the kerfs forming slots of greater length than the width of the neck of the projections at the positions where they are inserted to hook into interlocking engagement with the ends of the slots and the ends of the tongues being movable in the slots and into re-engagement with the adjacent ends of their own slots for interlocking engagement with said projections.

2,100,712

METHOD OF, APPARATUS FOR COATING TEXTILE MATERIAL AND A PRODUCT THEREOF

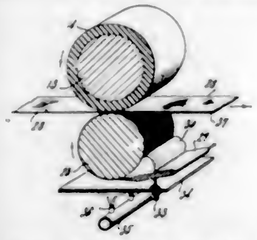
Charles Emmey, New York, N. Y.

Application April 13, 1936, Serial No. 74,178

6 Claims. (Cl. 91—70)

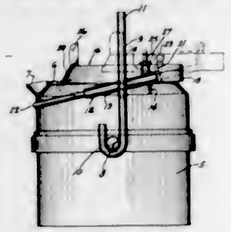
1. An article of manufacture for union with textile material and the like, comprising a base

material containing a plurality of cementitious streaks of thermo-fusible composition containing a vinyl resin disposed in spaced apart relation forming bounded free areas therebetween and



exposing parts of the said surface of the base, said composition upon the use of heat and pressure being adapted to penetrate and spread onto and thru a receptive textile material to form an integral part thereof.

2,100,713
COVERED LADLE
Max W. Goldberg and Wallace W. Drissen, Port Washington, Wis., assignors to Modern Equipment Company, Port Washington, Wis., a corporation of Wisconsin
Application April 11, 1936, Serial No. 73,829
11 Claims. (Cl. 22—81)

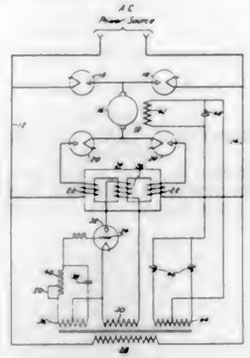


3. In combination, a ladle, a cover therefor, guiding tubes secured to opposite exterior side portions of the ladle and extending rearwardly therefrom, and rods projecting from opposite exterior side portions of the cover and slidable in said guiding tubes to provide for slidable opening of the cover by a rearward pull thereon.

2,100,714
RUBBER COMPOSITION AND METHOD OF MAKING THE SAME
Glen S. Hiers, Bala-Cynwyd, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Original application November 2, 1933, Serial No. 696,386. Divided and this application July 31, 1934, Serial No. 737,768
9 Claims. (Cl. 18—50)

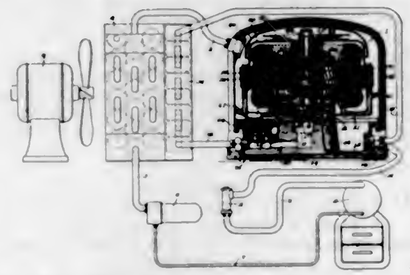
1. In the manufacture of an unvulcanized rubber product having a non-tacky surface, the steps which consist in dispersing directly a sufficient quantity of liquid waxy material as a dispersed phase in the water of an aqueous dispersion of rubber to form a bloom on the surface of the rubber coagulated therefrom neutralizing the inherent tackiness of the rubber constituent, said waxy material forming with the rubber dispersion a liquid mix having wax as a dispersed phase requiring further treatment for the coagulation of rubber therefrom.

2,100,715
ENERGIZING SYSTEM
Harold C. Jenks, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1936, Serial No. 85,636
6 Claims. (Cl. 172—179)



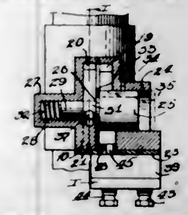
3. In a system comprising an alternating-current power circuit, a direct-current load device, means for supplying a unidirectional current from said power circuit to said device comprising two pairs of rectifying devices connected across said alternating-current power circuit to effect full-wave rectification, a saturable core reactor having two alternating-current windings connected in series circuit relation with and on opposite sides of one pair of rectifying devices and a saturating winding for controlling said reactor.

2,100,716
MOTOR-COMPRESSOR UNIT FOR REFRIGERATING APPARATUS
Carl E. L. Lipman, Chicago, Ill., assignor to Lipman Patents Corporation, Chicago, Ill., a corporation of Delaware
Application April 3, 1933, Serial No. 664,123
11 Claims. (Cl. 230—207)



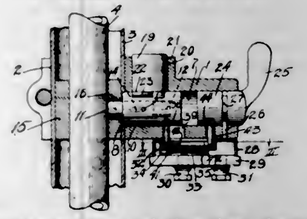
1. An apparatus comprising a casing, a pump within said casing, an electric motor within said casing, a driving connection between said motor and pump, means for delivering oil through certain of said pump and motor bearings and into heat absorbing contact with the stator of said motor, and means for delivering oil through other of the pump and motor bearings and into heat absorbing contact with the rotor of said motor.

2,100,717
AUTOMOBILE LOCK
Alexander C. Mabee, Villa Park, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application May 18, 1936, Serial No. 80,385
11 Claims. (Cl. 70—252)



1. A lock of the class described comprising a locking bolt rotatable in either of two parallel planes, a single means for rotating said bolt in either plane, said bolt when rotated by said means in one plane being moved to locking or unlocking position, means for shifting said bolt into the other plane after it has been moved to unlocking position, and control means operated during rotation of said bolt by said operating means in said other plane.

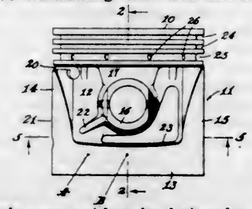
2,100,718
AUTOMOBILE LOCK
Alexander C. Mabee, Villa Park, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Original application July 29, 1936, Serial No. 93,156. Divided and this application December 30, 1936, Serial No. 118,200
8 Claims. (Cl. 200—44)



1. In lock structure of the class described, a locking bolt, a switch comprising movable structure and stationary structure, a switch actuating element freely movable at all times in a fixed path, a connection between said actuating element and the movable switch structure, and means effective upon movement of said locking bolt to locking position for moving said movable switch structure to a position where actuation thereof by said actuating element cannot effect circuit controlling cooperation of the switch structure, said means being effective upon movement of the locking bolt to unlocking position to move the movable switch member to a position where actuation thereof by said actuating element will permit cooperation of the switch structures for circuit control.

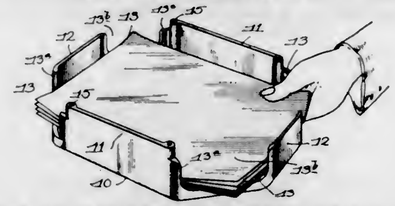
2,100,719
PISTON
Adolph L. Nelson, Detroit, Mich.
Application December 5, 1933, Serial No. 700,358
12 Claims. (Cl. 309—11)

1. A piston comprising a head, pin bosses connected to the head, a skirt having a lower annular part and oppositely arranged thrust faces, one of the thrust faces being separated from the head by a slot and having a slot extending downwardly from the top of the thrust face, chordal webs extending between the slotted face



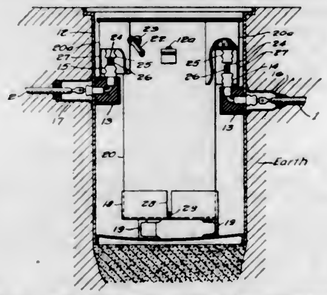
and the pin bosses said webs being homogeneous with the slotted face and the pin bosses and a tapered rib extending from each pin boss along the outside of each of said webs at a downward angle between the vertical and the horizontal, and toward the slotted thrust face.

2,100,720
LETTER TRAY
John H. Page, Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application January 11, 1937, Serial No. 120,031
9 Claims. (Cl. 206—72)



1. A paper tray having a bottom wall and upright side and end walls, a side wall and an end wall being less in length, respectively, than the length and width of the tray to leave a space between their proximate ends, said bottom wall terminating in said space, and a low upright rib rising from said bottom wall, bridging said space and being connected to said proximate wall ends.

2,100,721
BURIED TYPE DISTRIBUTION TRANSFORMER
John S. Parsons, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 26, 1936, Serial No. 87,372
6 Claims. (Cl. 247—4)



1. In an underground alternating-current distribution system having buried cables, a trans-

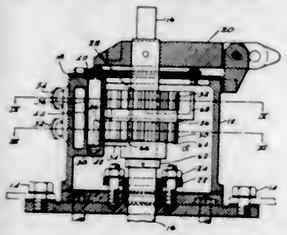
former unit comprising a metal housing buried in the soil, said housing having a manhole opening in the top thereof communicating with the atmosphere, an inner metal casing adapted for mounting in said housing in spaced relationship therefrom, said casing having an overhanging portion, and having induction apparatus and a cooling fluid enclosed therein, transformer terminals secured to the under side of said overhanging portion in a position substantially inaccessible manually from said manhole opening, and cable terminals electrically connected to said cables and secured in insulated relationship to said housing to extend therewithin below said overhanging portion in a position substantially inaccessible manually from said manhole opening, said transformer terminals and cable terminals having exposed contact surfaces for mating engagement upon vertical lowering movement of said casing into operative position in said housing, whereby the likelihood of accidental shock from manual engagement with said terminals is minimized.

2,100,722

SWITCH OPERATING MECHANISM

Kristian Paulson, Farrell, and Robert O. Hurst, Sharon, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 7, 1936, Serial No. 94,826
7 Claims. (Cl. 74—483)



1. In an operating mechanism for effecting the movement of a transformer grounding switch from an open position, through a transformer position to a ground position, in combination, a housing for the operating mechanism, a shaft rotatably mounted in the housing for actuating the grounding switch, a ratchet wheel carried by the shaft, a plurality of pawls associated with the ratchet wheel for preventing movement of the shaft to actuate the grounding switch to the ground position, means disposed for manual operation to actuate the pawls to release the ratchet wheel and permit movement of the shaft to actuate the grounding switch to the ground position, and means for preventing the manual operation of the pawl actuating means for effecting the release of the ratchet wheel unless the shaft is first moved to actuate the grounding switch to transformer position.

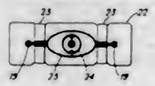
2,100,723

ELECTRON DISCHARGE DEVICE

Bernard Salzberg, East Orange, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Original application September 22, 1933, Serial No. 690,504. Divided and this application October 4, 1935, Serial No. 43,465
3 Claims. (Cl. 250—27.5)

1. An electron discharge device having a straight cylindrical cathode, a tubular grid electrode surrounding and coaxial with said cathode and having side rods parallel to said cathode, a tubular plate electrode surrounding said grid



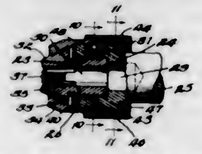
electrode and coaxial with said cathode, said plate electrode being elliptical in cross section, the spacing between said electrodes being at a minimum at said side rods.

2,100,724

SCREW THREADING DIE

Max A. Slotta, Chicago, Ill.

Application June 6, 1936, Serial No. 83,849
1 Claim. (Cl. 10—111)



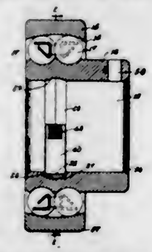
A threading die composed of a plurality of similar independent longitudinal sections, each section including an elongated segmento-cylindrical base member provided with a plane inner end and having a prong integrally connected to the outer end thereof by a reduced portion permitting lateral flexing of said prong relative to said base member, said sections being constructed and adapted to be grouped with their base members in contiguous relation to provide a cylindrical base having a plane inner end, the prongs of said sections being constructed so as to be spaced apart when the sections are so grouped and being provided with a cutting thread whose axis is coincident with the axis of said base.

2,100,725

LOCKING DEVICE FOR ATTACHING A PART HAVING A BORE TO A SHAFT

Haakon Styri, Philadelphia, Pa., assignor to S K F Industries, Incorporated, Philadelphia, Pa., a corporation of Delaware

Application February 18, 1936, Serial No. 64,471
12 Claims. (Cl. 308—236)



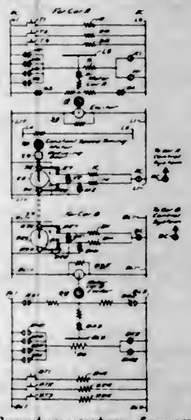
1. A bearing inner member having a shaft receiving bore, outwardly of the bore there being two thin portions disposed upon the opposite sides of a thicker portion, and a groove being formed in the bore face having its bottom disposed eccentrically in relation thereto and located inwardly of the said thicker portion, and a lock shoe fitting the said groove and formed with shaft biting portions.

2,100,726

TIMING SYSTEM

Kenneth M. White, Tenafly, N. J., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application February 27, 1937, Serial No. 128,233
16 Claims. (Cl. 172—152)



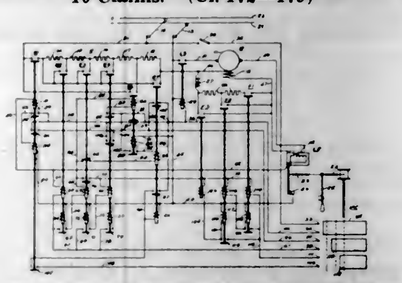
16. In an elevator system for operating a plurality of cars in a hatchway, a motor generator set for each car, a control means for each car for causing the motor generator set associated with that car to operate it, a driving motor for each generator, a plurality of relays associated with each car, individual means responsive to operation of a control means to stop its car for preparing the relays associated with that car for energization, a single timing motor, means associated with each car and responsive to operation of the timing motor for successively energizing at predetermined intervals the relays associated with that car after they have been prepared for energization, and means responsive to energization of a predetermined number of the relays associated with a car for stopping the driving motor for the generator for that car.

2,100,727

MOTOR CONTROL SYSTEM

Norman H. Willby, Irwin, and Graham L. Moses, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1937, Serial No. 124,262
10 Claims. (Cl. 172—179)



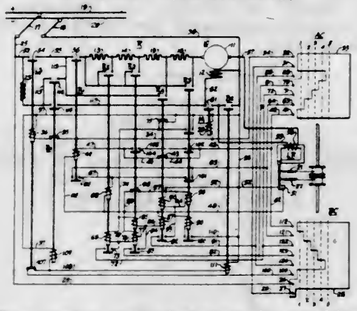
1. In a motor control system, in combination, a motor, a source of power for the motor, means for connecting the motor to the power source, a plurality of resistors for controlling the motor current, a plurality of switches for controlling the resistor connections, control means for initiating the operation of said switches, and interlocking means on said switches for causing them to be operated first in one sequence and then in another sequence to increase the number of accelerating steps.

2,100,728

MOTOR CONTROL SYSTEM

Norman H. Willby, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 5, 1937, Serial No. 124,263
7 Claims. (Cl. 172—179)



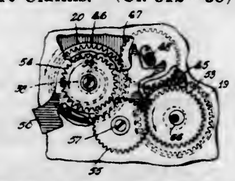
1. In a motor control system, in combination, a motor for propelling a vehicle, a source of power for the motor, switching means for connecting the motor to the power source to accelerate the vehicle, switching means for establishing dynamic braking connections for the motor to decelerate the vehicle, a plurality of resistors for controlling the motor current during acceleration and deceleration of the vehicle, a plurality of switches for controlling the resistor connections, control means for initiating the operation of said switches, and interlocking means on said switches for causing them to be operated first in one sequence and then in a different sequence to increase the number of accelerating and decelerating steps.

2,100,729

TOWEL DISPENSING APPARATUS

Rudolph G. Birr, Lombard, and Albert C. Grunwald, River Forest, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Application February 11, 1933, Serial No. 656,283
10 Claims. (Cl. 312—38)



7. A towel dispensing cabinet having a clean towel measuring roll and a soiled toweling take-up roll, means interconnecting the rolls whereby dispensing of a length of clean toweling will simultaneously wind up a substantially equal length of soiled toweling, energy storing mechanism in driving connection with said take-up roll, means by which repeated dispensing movements of said measuring roll operates said mechanism to in-

crementally store energy sufficient to operate the take-up roll for take-up action independently of operation of the measuring roll, and means operating said energy storing mechanism to release energy.

9. A towel dispensing apparatus comprising, a measuring roll, a soiled take-up roll, energy storing mechanism in driving connection with the take-up roll, means by which the measuring roll drives the take-up roll and operates said energy storing means to store energy including a part movable from driving position to disconnect the drive of the take-up roll by the measuring roll and to obtain release of the said stored energy, said energy storing mechanism requiring repeated dispensing operations to obtain storage of sufficient energy for take-up roll operation, and towel controlled means for moving said part from driving position.

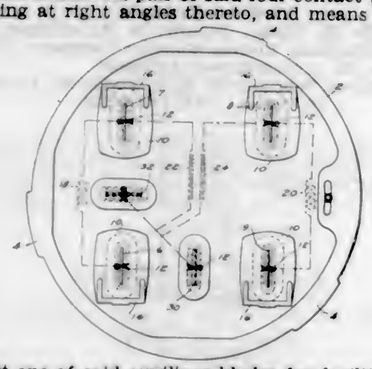
2,100,730
ANIMAL CLAMP
Frank Black, Christmas, Ariz.
Application June 6, 1936, Serial No. 84,004
Renewed September 30, 1937
9 Claims. (Cl. 128—346)



1. A clamp of the character described, comprising two semi-circular, hingedly connected portions shaped and dimensioned to embrace the neck and paws of an animal to be operated upon, handles projecting from said portions, and a flattened holding portion for the reception of the knee of the operator, at the extremity of one of said handles, said flattened portion lying substantially parallel with the axes of the semicircular portions.

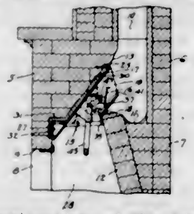
2,100,731
POLYPHASE METER CASING
William M. Bradshaw, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 19, 1936, Serial No. 101,571
4 Claims. (Cl. 171—34)

3. In a meter of the type having four contact blades secured to and projecting from the base thereof, the longitudinal axes of which define a square and all of which face in the same direction; an auxiliary contact blade secured to said base between a pair of said four contact blades and facing parallel thereto, an additional auxiliary contact blade secured to said base between a different pair of said four contact blades facing at right angles thereto, and means on at



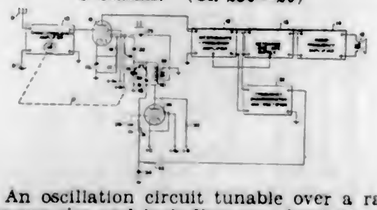
least one of said auxiliary blades for facilitating breakage thereof at a point adjacent to said base.

2,100,732
DRAFT CONTROL MEANS FOR FIREPLACES
Darcy L. Cage, Los Angeles, Calif.
Application August 29, 1936, Serial No. 98,543
8 Claims. (Cl. 126—288)



1. In a construction of the kind described, a sheet metal form adapted to line a portion of the flue of a fireplace, said form having a front wall made of a sheet metal plate which has a backwardly bent flange extending along an edge thereof, and a bracing strip uniting said flange with the body portion of the metal, said strip having a projecting end portion adapted to extend into the fire place wall and thereby aid in supporting the aforesaid sheet metal form.

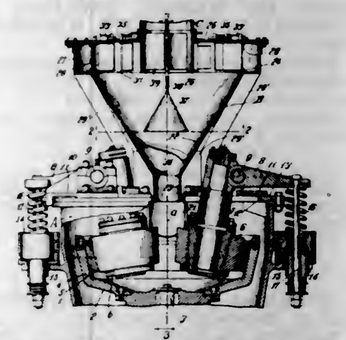
2,100,733
AUTOMATIC FREQUENCY CONTROL
Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application July 22, 1936, Serial No. 91,864
6 Claims. (Cl. 250—20)



1. An oscillation circuit tunable over a range of frequencies and including an adjustable condenser for tuning said circuit to a selected frequency of said range and means, independent of said tuning condenser, for adjusting the resonant frequency of said circuit relative to said selected frequency over a small fraction of said range,

comprising an auxiliary condenser connected in series with said adjustable condenser, a vacuum tube having a phase-shifting input circuit coupled to said oscillation circuit and an output circuit connected across said auxiliary condenser, said tube having such characteristics relative to the constants of said circuits with which it is associated and being so connected to said oscillation circuit that its output circuit simulates an impedance having a capacitive component and that equal variations of the mutual conductance thereof effect substantially equal adjustments of the resonant frequency of said oscillation circuit for all frequencies of said range, and means for adjusting the mutual conductance of said tube.

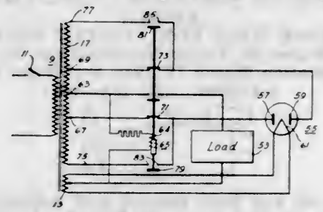
2,100,734
MILL AND CLASSIFIER
Joe Crites, Evanston, Ill., assignor, by mesne assignments, to Combustion Engineering Company, Inc., a corporation of Delaware
Application February 5, 1936, Serial No. 62,450
8 Claims. (Cl. 83—45)



1. In combination with a mill comprising a closed housing and means therein for pulverizing material, a classifier including an open conduit for directing solid material in suspension in an air stream from the mill into the upper portion of the classifier, an upper outlet opening through which the air stream carries the lighter solid material in suspension, and a lower normally open discharge opening through which heavier solid material gravitates back into the mill and through which a central air stream is drawn upwardly from the mill, spiral vanes positioned along the lower inner walls of the classifier adjacent the open lower outlet and a cooperating deflector positioned centrally above the lower opening for preventing the upward carrying of heavier material through the upper outlet in suspension in the air stream flowing upwardly from the mill through the open lower discharge opening.

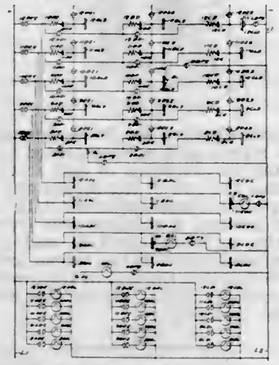
2,100,735
ELECTRIC DISCHARGE APPARATUS
John W. Dawson, East McKeesport, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 12, 1936, Serial No. 68,475
1 Claim. (Cl. 175—363)

In combination, a discharge device having a cathode, a second electrode to cooperate with said cathode and a third electrode to cooperate with said cathode, said second and third electrodes being so arranged with regard to said cathode that the discharge device operates as a full-wave rectifier and said cathode being of the type which is heated to emit electrons and which becomes deteriorated if a potential of magnitude greater than a predetermined value is applied between it and said other electrodes when its temperature has a magnitude below a predetermined value, a source of energy for heating said cathode, two first current paths each including a source of potential of magnitude smaller than said predetermined value, two second current paths each including a source of potential of magnitude



greater than said predetermined value, said two first current paths and said two second current paths being symmetrically arranged about an electrical center, means for connecting said source of energy to supply heating energy to said cathode, means for connecting said two first current paths to said cathode and said other electrodes, and means responsive to the current in said two first current paths for connecting said two second current paths to said cathode and said other electrodes after the temperature of said cathode rises above said predetermined value.

2,100,736
ELEVATOR SIGNALING SYSTEM
William F. Eames, Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application July 16, 1935, Serial No. 31,617
2 Claims. (Cl. 177—336)



1. In an elevator system in which a plurality of elevator cars are operable past a plurality of floors, in combination, a call button individual to each floor, a call storing relay individual to each call button and disposed to be energized on operation thereof, a hall lantern at each floor individual to each elevator car, a hall lantern relay individual to each hall lantern, energizing circuits for the lantern relays, means responsive to operation of a call button and the position of the cars for operating the hall lantern relay individual to the floor of the operated button and to the elevator car disposed to answer the call, and means responsive to said operated lan-

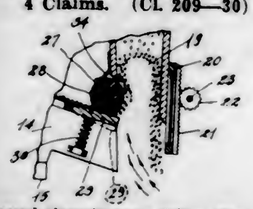
tern relay for operating the corresponding hall lantern for indicating the car to stop in answer to the operated button, and interlocking contact members in the lantern relay circuits responsive to operation of said lantern relays for preventing the energization of more than one floor lantern relay at any one time to prevent the lighting of more than one floor lantern at any one time in answer to said operated button.

2,100,737
KNEE REST FOR VEHICLE SEATS
Walter W. Foster, Wichita Falls, Tex.
Application March 18, 1935, Serial No. 11,642
3 Claims. (Cl. 155—165)



3. A leg and knee rest for seat cushions comprising a resilient element of greater length than width having its length extending transversely of the cushion and, whose upper portion is provided with a side surface upwardly inclined toward its center to support the knee, a removable cover thereon, a base plate of the same shape secured to the bottom of said element, and means transversely embracing said seat cushion for retaining said base plate in flush and longitudinal sliding relationship thereof transversely with respect to said seat cushion.

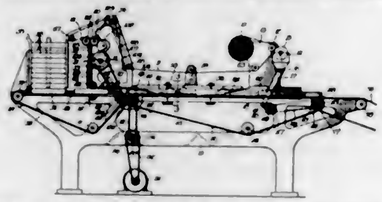
2,100,738
SEED CLEANING MACHINE
Albert A. Frevert, Alma, Mich.
Application November 5, 1934, Serial No. 751,517
4 Claims. (Cl. 209—30)



1. In a seed cleaning machine, the combination with a flat screen, of a nonperforated hinged section forming an extension of said screen, an air flue adjacent the end of the screen and provided with an opening communicating with said nonperforated section, a resilient roll journaled on said machine and positioned in said opening to form an air seal between the screen and the flue without interrupting the flow of the product to the flue, and resilient means urging said hinged section against said roll.

2,100,739
CONTAINER MACHINE
Paul M. Gilfillan, Chicago, Ill., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application March 20, 1936, Serial No. 69,801
8 Claims. (Cl. 93—51.1)

1. A container-forming machine, comprising means for applying limited lines of a quick-setting thermoplastic adhesive along the edges of a web of container material, means for severing container blanks from said web, means for folding said blanks about a mandrel to form continuous front, bottom and rear walls, means spaced from said adhesive-applying means sufficiently to permit said lines of adhesive to set up for folding the edges of said walls in overlapped relation against the sides of said mandrel to form side walls having contacting lines of thermoplastic adhesive of

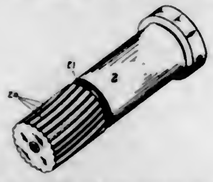


substantially T-shape, means for momentarily applying heat and pressure to the cross portions of said lines of adhesive, and means for applying heat and pressure along the remainder of said adhesive lines.

2,100,740
METHOD OF MAKING VARIABLE AREA SOUND FILM WITH LOW BACKGROUND NOISE
Rolf Görisch, Berlin-Lichtenberg, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application February 6, 1935, Serial No. 5,259. In Germany May 8, 1934
6 Claims. (Cl. 274—46)

1. The method of making variable area sound film comprising the step of subjecting the positive film after development to the action of a reducing agent.

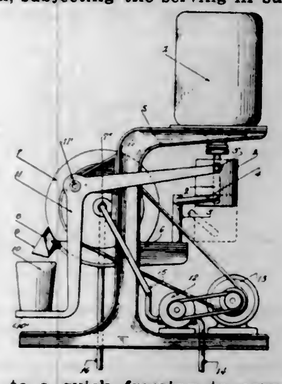
2,100,741
MATERIAL FEEDING MECHANISM
Clifford E. Harrison, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 16, 1935, Serial No. 2,034
7 Claims. (Cl. 198—226)



1. A feeding ram of substantially cylindrical construction, having a material engaging face provided at one end thereof, and a series of spaced, approximately longitudinally extending flutes provided around the periphery of said ram.

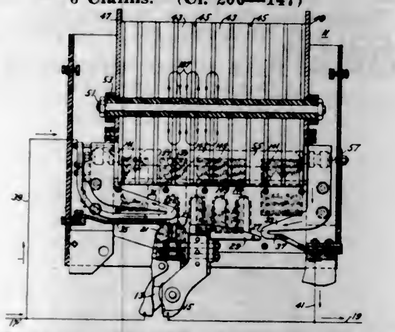
2,100,742
PROCESS AND APPARATUS FOR BEVERAGE DISPENSING
Thomas L. Hartman, Pittsburgh, Pa., assignor, by direct and mesne assignments, of one-third to E. J. W. Keagy, one-third to Harold M. Young, both of Pittsburgh, Pa., and one-third to Reymer & Brothers, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application September 1, 1934, Serial No. 742,507
6 Claims. (Cl. 225—21)

6. The process of preparing a serving from a main body of beverage material in bulk capable of being frozen into soft flakes which comprises segregating a serving of predetermined quantity from the main body while agitating such main body to ensure that the serving is of average composition, subjecting the serving in successive



increments to a quick freezing to convert the same into a mixture of chilled liquid and soft frozen flakes and transferring such liquid and flakes substantially as the latter are formed to a suitable receptacle.

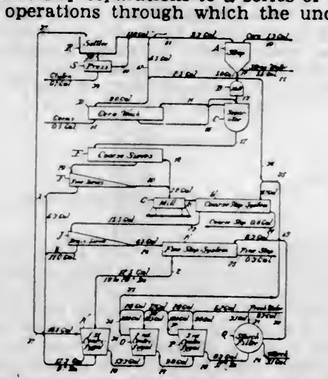
2,100,743
CIRCUIT BREAKER
Frederick B. Johnson, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application January 24, 1931, Serial No. 510,981. Patent No. 2,037,418, April 14, 1936. Divided and this application March 17, 1936, Serial No. 69,325
6 Claims. (Cl. 200—147)



1. In an arc extinguisher, a plurality of spaced plates each providing a path about which the arc may be rotated, an opening through said plates in which the arc may play, means for moving the arc from said opening into said path, and means for guiding the arc past said opening as it rotates and preventing it from moving into the opening.

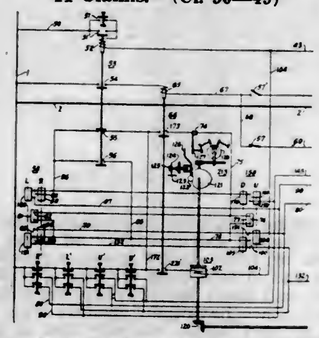
2,100,744
MANUFACTURE OF STARCH
Alfred H. Kelling, Chicago, Ill., assignor to International Patents Development Company, Wilmington, Del., a corporation of Delaware
Application June 5, 1933, Serial No. 674,365
13 Claims. (Cl. 127—68)

11. In the manufacture of starch from corn in which the corn is steeped and subjected in a comminuted state to separating operations in water for removal of the germ, coarse slop and fine slop, yielding separate streams of starch, gluten and water and in which substantially all process waters except steep water and water absorbed in the discharged solids are reused in the process on subsequently treated corn material: the improvement which consists in subjecting the starch, gluten and water streams from the germ and coarse slop separations to a series of centrifuging operations through which the underflow



carrying the starch moves in one direction and the overflow carrying the gluten in the other direction; using the stream from the fine slop separation as a wash water in the first of said centrifuging operations; using fresh water as a wash water in the last of said centrifuging operations; utilizing water from the overflow from the first centrifuging operation for steeping corn as the operations are continued on such material; and using the overflow from another of said centrifuging operations in the separating operations on the comminuted corn.

2,100,745
MOTOR OPERATED FEED CONTROL
George E. King, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 24, 1934, Serial No. 722,097
11 Claims. (Cl. 90—49)



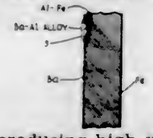
1. In a system of control for controlling the distance of travel of a motor-operated machine element operating on a work piece, a motor for driving the machine element, a coupling for mechanically connecting said machine element to said motor, switching means for starting and stopping the motor, a second coupling interconnecting the

motor and the switching means, and measuring means for preselecting the stopping position for said switching means to interrupt the energizing circuit for said motor and disconnect said machine element from said motor the instant said motor has rotated through a predetermined angle.

2,100,746
GETTERING VACUUM TUBE

Henry J. Miller, Maplewood, N. J., and Elwood W. Schafer, New York, N. Y., assignors, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application November 7, 1935, Serial No. 48,658
7 Claims. (Cl. 250—27.5)

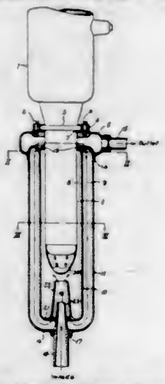


4. Process of producing high vacua in an iron envelope which comprises placing in good thermal conductive relation to a portion of the wall a powdered friable alloy of barium and aluminum in intimate contact with a layer of aluminum interposed between said alloy and said wall and in good contact with said portion of said wall, mechanically evacuating said envelope, calorizing the iron with aluminum of said layer, and heating said alloy to liberate free barium from said alloy.

2,100,747
RECIRCULATING WATER JACKET

Ilia E. Mouromtseff, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1936, Serial No. 57,581
7 Claims. (Cl. 250—27.5)

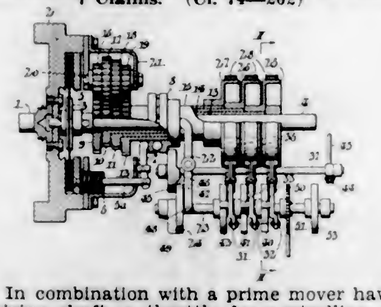


1. A cooling jacket for an elongated body comprising a double wall providing an inner jacket space and an outer jacket space, a nozzle adjacent one end of said body directly providing for flow into said inner jacket space and said inner and outer space having an opening from one to another at said nozzle whereby flow is induced from said outer jacket space into said inner jacket space, said jacket having a passageway adjacent the other end of said elongated body through which flow may occur from said inner jacket space into said outer jacket space and means adjacent said passageway for permitting emergence from said jacket.

2,100,748
POWER TRANSMISSION

David C. Prince, Swarthmore, Pa.

Application May 18, 1935, Serial No. 22,132
7 Claims. (Cl. 74—262)

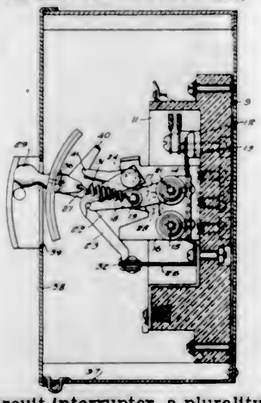


1. In combination with a prime mover having a driving shaft, a throttle for controlling said prime mover, a driven shaft, and means for transmitting power from said driving shaft to said driven shaft in different speed ratios; means for selecting the speed ratio to be effected between said shafts; and a circulating fluid means including a piston directly in the fluid stream for automatically controlling such selection including a contact making device operated by the pressure effect of a fluid velocity, the velocity and pressure effect varying in accordance with the speed of one of said shafts as modified by a linkage with said throttle governed by the degree of throttle opening, which directly modifies the effective pressure of the flow of fluid.

2,100,749
CIRCUIT BREAKER

Karl C. Randall, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 15, 1933, Serial No. 660,936
14 Claims. (Cl. 200—116)



1. In a circuit interrupter, a plurality of switch means movable to open and close a circuit, a single operating member for normally moving a plurality of said switch means simultaneously to both open and closed position, spring means between said single operating member and said plurality of switch means for causing said simultaneous movement of the switch means to take place with a snap action when moving to both open and closed position, a plurality of trip members each

responsive to current flow through one of said switch means, each of said trip members being movable to tripped position independently of movement of the other of said trip members to tripped position and thereby causing movement of one of said switch means movable to both open and closed position with a snap action to open position, each of a plurality of said switch means movable to both open and colsed position with a snap action being movable to open position upon movement of one of said trip members independently of movement of the other of said switch means to open position and independently of the position of said single operating member.

2,100,750
FOLDABLE BOX AND BLANK THEREFOR

William A. Ringler, Wayne, Pa., assignor to Carton Container Company, Philadelphia, Pa., a corporation of Delaware

Application November 25, 1932, Serial No. 644,335
4 Claims. (Cl. 229—34)

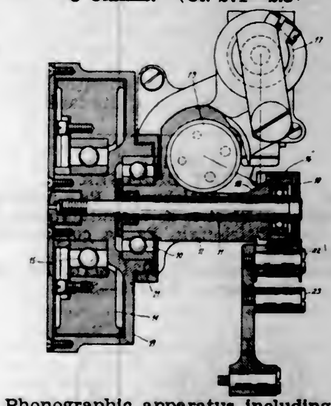


1. A collapsible box including a bottom wall, side walls connected with the bottom wall, end walls connected with the bottom wall, side locking tabs connected with the side walls, end flaps connected with the end walls and foldable inwardly, and a bottom flap connected with one of said end flaps, said side locking tabs having creased lines to provide for the collapsing of the side locking tabs, said bottom flap when positioned to overlie said bottom wall extending beneath the juxtaposed end flap.

2,100,751
RECORD MOVING MECHANISM

Frank E. Runge, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 12, 1935, Serial No. 49,342
3 Claims. (Cl. 271—2.3)

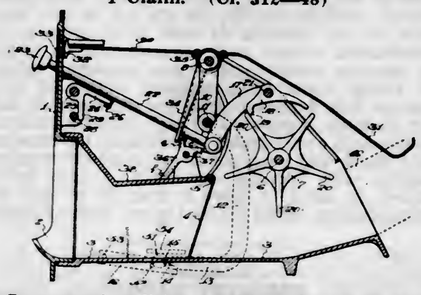


1. Phonographic apparatus including a bearing support, a shaft mounted in said bearing support on ball bearings, a rotatable record support mounted on said shaft, a rotatable casing fixed to said shaft and mounted on ball bearings on said bearing support independently of said shaft and a damping wheel rotatably supported within and by said casing.

2,100,752
MERCHANDISING MACHINE AND APPARATUS

Paul P. Scheurer, Wichita Falls, Tex., assignor to Will McKemie, Sr., Wichita Falls, Tex.

Application January 2, 1934, Serial No. 704,950
1 Claim. (Cl. 312—48)

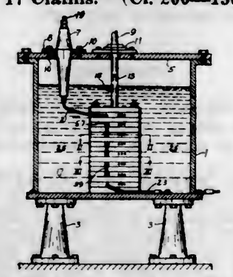


In a merchandising machine, the combination comprising a housing having inclined passages normally closed against entry through their discharge ends and merchandise magazines from which articles of merchandise are gravitationally fed into said passages, a shaft mounted above the inlet ends of said passages, a series of peripherally recessed wheels rotatably mounted on said shaft and extending into the path of movement of said articles to singly admit them into said passages, a discharge receptacle common to each of said passages, an escapement means provided to control each of said wheels, each of said escapement means comprising an actuating plunger and an arcuately shaped arm pivotally connected to said plunger at one end and at its other end to a shaft disposed above and parallel to said first shaft, an anchor member rigidly affixed to said arcuate arm having on its forward edge a downwardly extending projection and on its rear edge a depending lip, whereby said projection will engage a recess of said wheel in the inner position of said plunger to prevent rotation thereof and be released from said recess with the simultaneous positioning of said lip into the path of said recess in the outward position of said plunger.

2,100,753
CIRCUIT INTERRUPTER

Stanley T. Schofield, Wilkinsburg, and Samuel H. Boden, Turtle Creek, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 24, 1935, Serial No. 56,072
17 Claims. (Cl. 200—150)



1. In a circuit interrupter, means, at least partially of insulating material, for defining the walls of an arc chamber which is substantially

cylindrical in form, a rotatable shaft extending through said arc chamber in such manner that the axis of rotation thereof substantially coincides with the axis of said arc chamber, a quantity of arc extinguishing liquid contained within said arc chamber, means for opening and for closing the electrical circuit through said interrupter, said means causing the arc or arcs incident to the opening of said interrupter to be established within said arc chamber, a piston or impeller member, the cross sectional outline of which comprises a circular section of only slightly less diameter than the diameter of said arc chamber, supported on said shaft for rotation within said arc chamber, and means for rotating said shaft and said piston or impeller member during each opening operation of said interrupter, in order to move a quantity of said arc extinguishing liquid across the arc path or paths.

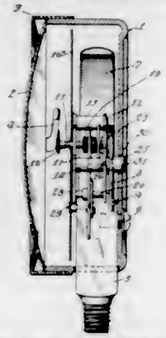
2,100,754

PRESSURE GAUGE

Hans Seegers, Chicago, Ill., assignor to Jas. P. Marsh Corporation, Chicago, Ill., a corporation of Illinois

Application October 4, 1934, Serial No. 746,802

12 Claims. (Cl. 73—109)



1. A pressure gauge of the character described, comprising a pressure responsive element, a graduated dial, a pointer arranged to move over said dial in response to said pressure element, a support, a transmission mechanism between said pressure element and said pointer, said transmission mechanism being mounted in a frame and said frame being pivotally mounted upon said support at the axis of said pointer, and a rotatable adjusting member mounted on said support and having an eccentric portion cooperating with said frame to move said frame and thereby adjust said pointer by rotary movement of said adjusting member.

2,100,755

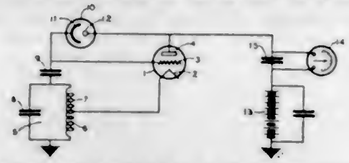
PHOTOMETER

Francis H. Shepard, Jr., Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application May 10, 1935, Serial No. 20,706

2 Claims. (Cl. 250—41.5)

1. In a photometer, a relaxation oscillator with a control electrode cathode, and anode, an oscillatory tank circuit comprising a parallel condenser and inductance with an intermediate point of the inductance connected to said cathode, one end coupled to said anode and the other end of said inductance coupled through a condenser to said electrode, a light controlled impedance connected to the control electrode of said oscillator for controlling the frequency of



relaxation, and means in said output circuit for quantitatively translating said frequency of relaxation to indicate the conductivity of said impedance.

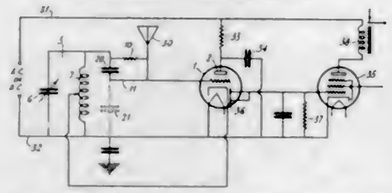
2,100,756

ALTERNATING CURRENT CONTROL

Francis H. Shepard, Jr., Rutherford, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 29, 1935, Serial No. 52,015

2 Claims. (Cl. 250—36)



1. In combination an oscillator for generating alternating current comprising a tube with an anode, grid cathode, and a heating element in said cathode, an oscillatory tank circuit coupled at one end to ground and to said anode and connected at its electrical center to said cathode, an anode voltage source connected between said anode and said heater, the heater and one side of said source being grounded to alternating current and means for modulating the generated alternating current comprising a condenser potentiometer, including at least one variable capacitor, connected between the terminals of said tank circuit and a connection from said grid to a point intermediate the ends of said condenser potentiometer, said variable capacitor being connected to the grounded end of the tank circuit.

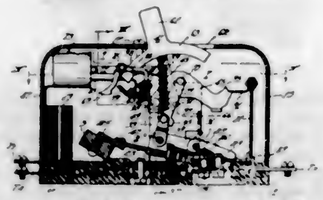
2,100,757

CIRCUIT BREAKER

Ralph H. Swingle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 29, 1934, Serial No. 746,255

22 Claims. (Cl. 175—294)



1. In a circuit interrupter, separable contacts for opening and for closing the electrical circuit through said interrupter, actuating means for said separable contacts including an operating member movable to normally cause said contacts to move either to the open or to the closed-circuit position, electro-responsive means operable upon the occurrence of predetermined conditions in the circuit to cause said actuating means to move said contacts to the open circuit position, and means operable only after said contacts have been moved to the open-circuit position as a result of the actuation of said electro-responsive means, for causing said actuating means to return said interrupter automatically to the closed-circuit position upon the removal of the cause of said predetermined conditions in the circuit.

2,100,758

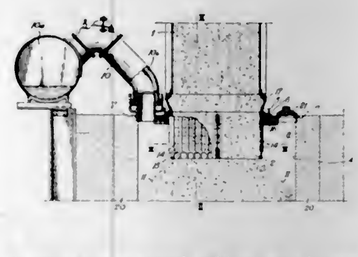
CONTINUOUS-VERTICAL COKING RETORT OVEN

Paul Van Ackeren, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application April 8, 1936, Serial No. 73,238

In Germany February 3, 1934

2 Claims. (Cl. 202—251)



1. Continuous-vertical coking retort oven comprising a retort chamber adapted to be fed continuously at its top with coal to be coked and having refractory heating walls external thereto for externally applying coking heat to coal in said chamber through the heating walls therefor: a metal cover forming a suspension frame arranged to cover the top of said chamber between the same and the atmosphere and having distillate gas offtake means in the same and a metallic coal feeder chute suspended from said frame so as to extend down from the metal cover into the top of the chamber in spaced relation to the refractory walls therefor for delivering the coal to be coked into a high temperature zone at a distance from the top of the chamber leaving a gas collecting and off-flow space around the coal feeder so that the distillation gases produced in the chamber may be drawn off from the top of the coking charge to the distillate offtake through a free space between the coal feeder and the walls of the top of the chamber; the outer surfaces of the sides of said coal feeder and the inner surface of the metallic cover being covered with a lining of heat insulating porous refractory material on the inside of the chamber and so as to prevent heat from being conducted through the sides of the coal feeder for absorption by coal therein and through the metallic cover for radiation into the atmosphere and thereby maintain the temperature of gas in the gas collecting and off-flow space and the walls forming the same always higher than the dew point of the distillation gases with regard to condensable hydrocarbons.

2,100,759

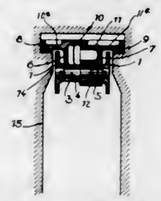
LEVELING BEAM FOR HORIZONTAL CHAMBER OVENS

Paul Van Ackeren, Essen, Germany, assignor, by mesne assigments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware

Application May 13, 1936, Serial No. 79,481

In Germany May 3, 1935

6 Claims. (Cl. 214—23)



6. A leveling beam for horizontal chamber ovens having longitudinal grooves or projections in the upper part of the coking chambers for supporting the front part of the leveling beam when pushed into the chamber, said leveling beam having elements for sliding over the longitudinal grooves or projections to sustain the beam from sagging during leveling in the chamber, said elements being movably connected with the beam so as to be capable of giving way to obstructions they may encounter on the grooves or projections during movement of the leveling beam in the chamber, and means for normally urging the elements outwardly from the beam into position for seating relationship with the grooves or projections.

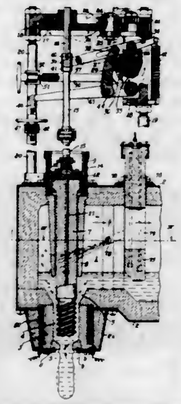
2,100,760

METHOD AND APPARATUS FOR FEEDING THERMOPLASTIC MATERIAL

Frank L. O. Wadsworth, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana

Application April 9, 1935, Serial No. 15,416

23 Claims. (Cl. 49—55)



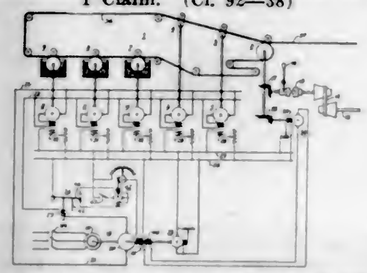
1. A method of shaping mold charges of molten glass, which consists in severing such a charge from a moving stream of molten glass, and predeterminedly controlling the application of the severing forces transversely of such stream and predeterminedly varying the point of application of such forces relatively to movement of said stream at the point of severance throughout the entire severing operation.

2,100,761

SYSTEM OF CONTROL FOR DYNAMO-ELECTRIC MACHINES

Rest R. Baker, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 13, 1935, Serial No. 16,176
1 Claim. (Cl. 92—38)



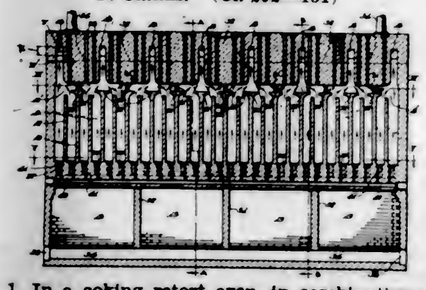
In a system of control for a machine making sheet material, the combination of, a press section coupled to be driven through mechanical control means from the line shaft operating a plurality of machines, an exciter coupled to be driven from the shaft of the press section and adapted to generate a voltage substantially proportional to the speed of the shaft of the press section, a motor generator set, an exciter coupled to be driven from the motor of the motor generator set, a plurality of section motors connected to be excited at a substantially constant value from the last named exciter, said first named exciter being also connected to be energized at a substantially constant value from said second named exciter, a field winding for the generator of the motor generator set connected to the last named exciter and adjusted so that the voltage of the generator is of a value sufficient to supply the losses of the section motors, and a second field winding for the generator connected to be energized directly from the first named exciter.

2,100,762

COKING RETORT OVEN

Joseph Becker, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application January 19, 1935, Serial No. 2,564
In Great Britain October 25, 1933
12 Claims. (Cl. 202—151)



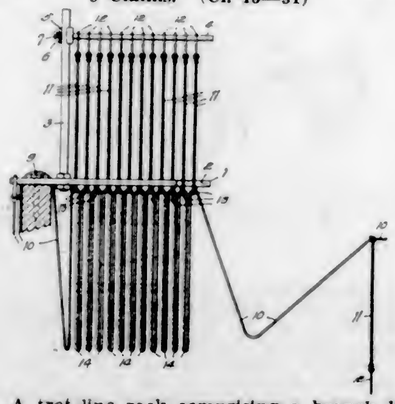
1. In a coking retort oven, in combination: a series of side-by-side horizontal coking-chambers and intermediate heating-walls comprising vertical flame-flues for laterally heating said coking-chambers, cross-over ducts for conducting combustion-products from up-burning vertical flues on one side of each coking-chamber to down-flowing vertical flues on the other side of such coking-chamber, horizontal passages over the tops of the vertical flues and each connecting a group of the vertical flues with the cross-over duct centrally connected with the top of such horizontal passage, and inlet means at the base of the vertical flues for controlling the inflow of combustion media into such flues, said inlet means being substantially the sole regulating means for individually regulating the vertical flame flues, the inlet means comprising ports of restricted and graduated cross-sectional areas, and the tops of the vertical flues, the horizontal passages communicating therewith, and the cross-over ducts therefor, each being throughout of greatly larger cross-sectional area than the aggregate of the inlet ports of the vertical flues served by such parts, so that resistance to the initially graduated gas-flow in the circuits around the coking-chambers is diminished and pressure differences are reduced.

2,100,763

TROTLINE RACK

William J. Kersenbrock, Brentwood, Mo.

Application October 7, 1935, Serial No. 43,873
9 Claims. (Cl. 43—31)



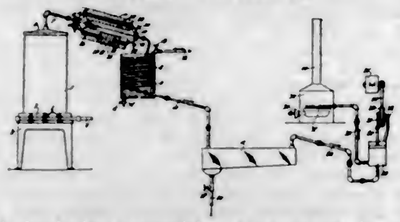
1. A trot-line rack comprising a branch line guide member having a slot open at one end, a fishhook supporting member, and a connection between one end of said members for holding the said members in desired spaced relation relative to each other.

2,100,764

DEODORIZER

Earl A. Kleb and Joseph C. Metzger, St. Louis, Mo.

Application November 30, 1936, Serial No. 113,360
1 Claim. (Cl. 183—34)



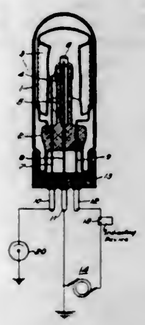
A deodorizer comprising a receptacle for substances being processed, a pipe opening into the upper end of said receptacle and having a portion extending upwardly therefrom and another portion inclining downwardly and laterally from said first named portion, a valve in said inclined pipe portion, a by-pass pipe opening into said inclined pipe portion at the influent side of said valve, another by-pass pipe opening into said inclined pipe portion beyond the effluent side of said valve, a valve in each of said by-pass pipes, a detachable separator forming communication between said two by-pass pipes, a condensing coil opening into said inclined pipe portion beyond said second by-pass pipe, a tank enclosing said condensing coil for containing water immersing said coil, a pipe opening into the effluent end of said condensing coil, a settling tank into which said last named pipe opens, a combustion device, mechanism for withdrawing obnoxious gases and vapors from said settling tank and conducting them to said combustion device, and means for withdrawing condensate from said settling tank.

2,100,765

PHOTO-SENSITIVE APPARATUS

Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Original application November 19, 1926, Serial No. 149,290. Divided and this application June 21, 1933, Serial No. 676,903
2 Claims. (Cl. 250—41.5)



1. In combination, a device comprising an evacuated envelope containing a cathode, a normally completely insulated electrostatic control member, an anode and an inert gas at a pressure sufficient to support an arc-like discharge at the impressed voltage, a source of alternating current for impressing potentials between said anode and cathode, a load circuit connected between said anode and cathode and means for connecting said electrostatic control member in such manner that the charge accumulated thereon while insulated may leak off to energize said device.

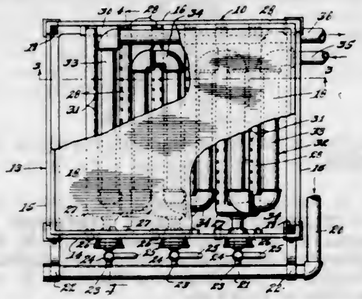
2,100,766

HEATER

Konstantinos S. Papoutsis, Chicago, Ill.

Application October 1, 1936, Serial No. 103,494
1 Claim. (Cl. 126—54)

The combination with a griddle having a heating element of means to utilize surplus heat thereof, said means including a plurality of spaced elongated burners and a plurality of heat absorbing tubes arranged parallel to and supported by said burners and over said spaces.

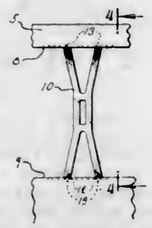


2,100,767

GRILLE STRUCTURE

Charles T. Perkins, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin

Application March 13, 1936, Serial No. 68,643
1 Claim. (Cl. 189—84)



A grilled front for convector enclosures and the like, comprising a sheet metal wall having a transverse opening therein with its top and bottom marginal edges parallel, a plurality of individual grille sctions of different shapes and configurations all of which have a height to span the vertical distance between the upper and lower marginal edges of said transverse opening, and cooperating means on said upper and lower edges of the opening and the upper and lower extremities of the individual grille sections for readily detachably securing the grille sections to said marginal edge portions at different points along their length so that said sections collectively form a grille across said opening, which grille has any one of a wide variety of designs depending upon the selection of the different sections and their arrangement across the opening, and said cooperating means by which the individual grille sections are secured to the marginal edges of the opening allowing removal and insertion of any section independently of the other sections.

2,100,768

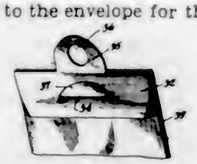
ENVELOPE CLOSURE

Julius Schuknecht, Middle Village, N. Y.

Application April 21, 1937, Serial No. 138,092
2 Claims. (Cl. 229—68)

2. A closure for envelopes comprising a flap formed with said envelope slitted to provide a closing tongue, a handle formed with said flap and having an opening and normally located at the front of the envelope, a card having an oval

slot attached to the envelope for the reception of



said closing tongue in the closed position of the envelope.

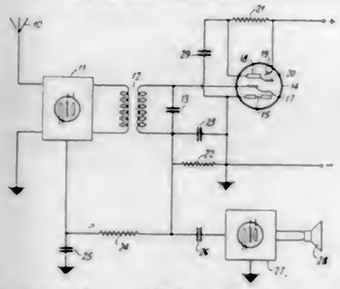
2,100,769

TUNING INDICATOR CIRCUITS

Rudolph H. Siemens, Richmond Hill, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 26, 1936, Serial No. 98,006

6 Claims. (Cl. 250—20)



1. A circuit for rectifying alternating currents and visually indicating the amplitude of the rectified currents and resulting voltages and including a thermionic device having a cathode, a grid and anode surrounding one portion of the cathode and a fluorescent anode and control electrode adjacent another portion of the cathode, said control electrode being electrically connected to the first anode, means for impressing alternating voltages upon said thermionic device, said means including a circuit connected between the grid and cathode of said thermionic device for rectifying alternating currents and producing rectified voltages and a condenser connected between the first anode and cathode of said thermionic device.

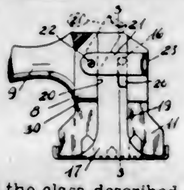
2,100,770

STEAK TENDERIZING AND DICING TOOL

George A. Wachowski, Flint, Mich., assignor of one-half to Phillip Koffman, Bay City, Mich.

Application April 26, 1937, Serial No. 139,069

3 Claims. (Cl. 17—30)



1. A tool of the class described and comprising a head provided with a handle, a wear plate on the lower face thereof, a plurality of blades, loosely and removably mounted in the head and bearing against said plate, a stripper slidably mounted on said head and provided with slots to accommodate the cutting edges of the blades, and a transversely disposed pin removably mounted in said head and extending through said blades for securing them in assembled relation.

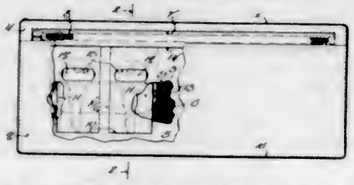
2,100,771

COMBINED BILLFOLD AND KEY HOLDER

Herman B. Welch, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin

Application February 8, 1937, Serial No. 124,703

2 Claims. (Cl. 150—40)



2. In a carrying case provided with a partition forming a pair of pockets and a slide fastener for closing one of the pockets, a scabbard secured to said partition within the closed pocket for holding a key with its head exposed, and a loose flap for covering the exposed head of the key, said partition being provided with a vision opening alined with the head of the key.

2,100,772

HEATER

Vernon S. Beck, St. Louis, Mo.

Application May 29, 1936, Serial No. 82,501

4 Claims. (Cl. 122—223)



1. A boiler, comprising a plurality of substantially identical water sections therein, each section consisting of oppositely disposed containing walls having lozenge shapes, header rings at the acute corners of the lozenge shapes, a corrugated area in each containing wall, oppositely corrugated areas being shaped to provide tubular forms pitched from one header toward the other, said tubular forms having communicating slots, the corrugated area being unsymmetrically located with respect to the header in said ring, whereby adjacent sections are related at 180° provide a tortuous passage therebetween, and said corrugations being angular in form.

2,100,773

CONTAINER

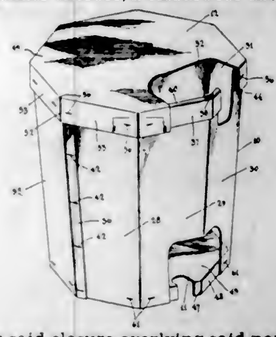
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota

Application October 28, 1935, Serial No. 47,088

11 Claims. (Cl. 229—47)

1. A container having a wall structure open at one end, a narrow member extending about said wall structure and overlying the wall structure upon the exterior thereof, said member being

secured to the wall structure at one of its edges and being free from the wall structure throughout the remainder thereof, a closure for the container,



means on said closure overlying said narrow member and means for securing said last-named means and said narrow member together.

2,100,774

GUARD FOR CHILDREN'S TOILET SEATS

Charles T. De Puy and William C. Baxter, Rochester, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York

Application November 25, 1936, Serial No. 112,733

5 Claims. (Cl. 4—237)



1. A guard for a toilet seat comprising a sheet of flexible material having lateral extensions at its side edges between its ends adapted to be folded upon themselves to afford attaching lugs, the folding of said extensions causing the sheet to assume a curved formation vertically.

2,100,775

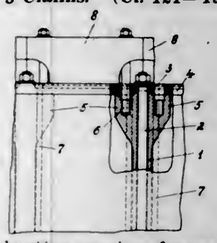
WELDED BOX FRAME FOR VERTICAL INTERNAL COMBUSTION ENGINES

Friedrich Fohrer, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany

Application February 27, 1935, Serial No. 8,535

In Germany March 28, 1934

3 Claims. (Cl. 121—194)



1. A combustion engine frame comprising a series of cylinders each having a cylinder head, a connecting plate separate from said cylinders and extending transversely of the said series of cylinders for supporting the cylinder heads and with the upper side of said plate in direct supporting contact with said heads, columns extending downwardly from and welded to said plate and adapted to assume compression forces, said columns having lateral projections integral therewith and in contact with the lower side of said plate, and means extending through said plate and connecting said projections directly to said cylinder heads.

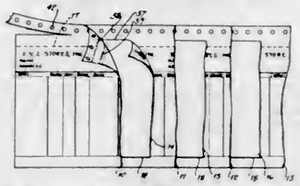
2,100,776

MACHINE AND METHOD FOR MAKING MANIFOLD FORMS

George L. Fulk, Berkeley, Calif., assignor to Carbon Interleaved Forms Corporation, Norwalk, Ohio, a corporation of Ohio

Application February 10, 1936, Serial No. 63,282

9 Claims. (Cl. 270—52)



1. A method of making a manifold pack in which transfer strips are interleaved between record strips, comprising feeding long continuous strips of record and transfer material into interleaved relationship, securing the strips together along one edge, utilizing a row of perforations along the connected edges for maintaining the strips in registration, and then cutting off the perforated strips.

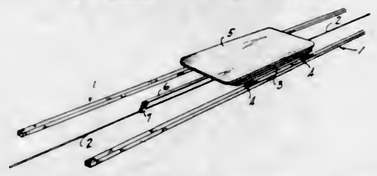
2,100,777

CABLE CLAMP

Harry A. Green, Portland, Oreg.

Application December 2, 1935, Serial No. 52,461

4 Claims. (Cl. 104—223)



1. A clamp comprising a body member adapted at one of its ends to embrace a cable, locking means adjustably mounted for movement through said body member and into locking engagement at one of its ends with said cable and the opposite end of said locking means serving as a pivotal connection for a draw-bar.

2,100,778

GAS ADMINISTERING MACHINE

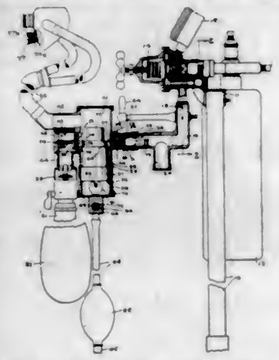
Jay A. Heidbrink, Minneapolis, Minn.

Application August 23, 1935, Serial No. 37,498

11 Claims. (Cl. 128—203)

5. An anaesthetizing machine comprising means for producing a mixture of anaesthetizing gases in desired proportions, a conduit for conducting said gases to the patient, a cylinder chamber in the conduit, valve mechanism associated with said chamber for normally blocking the flow of gas mixture therethrough, a piston in said chamber having means thereon adapted to cooperate with said valve mechanism to open the

same to permit flow of gas mixture to the patient, an air bulb adapted to be held in the hand of



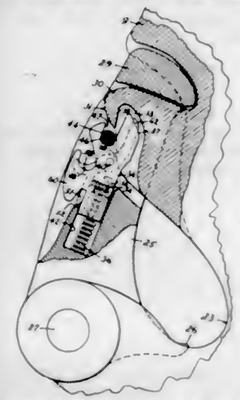
the operator, and an air conduit therefrom to below the piston whereby the patient may effect operation of said piston.

2,100,779

LATCH FOR SAFETY HOOKS

Richard K. Hertel, Vernon, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application May 6, 1936, Serial No. 78,185
5 Claims. (Cl. 294—83)



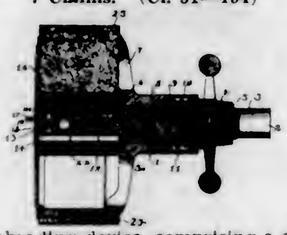
1. In a safety hook having a body with a forwardly extending bill forming a bail-receiving notch, and a latch arm pivoted to said bill and adapted to close the entrance to said notch, a latch bolt slidably mounted on said latch arm and having its upper end adapted to engage the hook body in camming relation thereto to retract said bolt upon closing movement of said latch arm, a spring yieldably supporting said latch bolt, a latch lock comprising a lever pivotally mounted on said latch bolt and having upper and lower lever arms, said upper lever arm protruding slightly beyond the upper end of said latch bolt and being adapted to engage the hook body in camming relation thereto in advance of said latch bolt, said lower lever arm being adapted to be shiftably supported upon a shoulder on said latch arm, a spring normally urging said lower lever arm into shoulder engaging relation, and manual means for moving said latch bolt and lever to the unlocked position.

2,100,780

ABRADING DEVICE

Paul J. Huhn, St. Paul, Minn.

Application December 24, 1934, Serial No. 758,892
7 Claims. (Cl. 51—194)



1. An abrading device, comprising a spindle, a wheel having a slotted opening in the periphery thereof mounted freely rotatable thereon, a strip of abrasive material rolled on said spindle and rotatable therewith, the free end of said strip passing outwardly through said slot and around the periphery of said wheel and then inwardly through said wheel to said spindle, said strip constituting a driving connection between said spindle and wheel, and means interposed between said spindle and said wheel for elastically controlling the relative rotation of said wheel and said spindle during an abrading operation.

2,100,781

ANTISEPTIC FOR THE TREATMENT OF GENITOURINARY INFECTIONS

Raymond T. Kaupp, Portland, Oreg.

No Drawing. Application May 4, 1936, Serial No. 77,763
7 Claims. (Cl. 167—58)

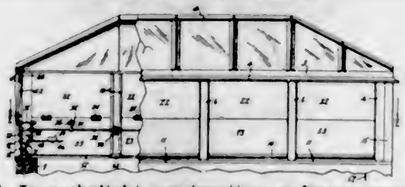
1. An antiseptic preparation for the treatment of genito-urinary infections consisting of a basic anilin dye selected for its affinity for, and capacity to stain the bacteria of said infections, and a soluble inorganic salt of silver, said ingredients being commingled in dry comminuted form in predetermined relative proportions, and forming with water a stable aqueous solution of desired strength.

2,100,782

SKYLIGHT

Alfred A. Kellogg, Troy, N. Y., assignor to James Ackroyd and Sons, Albany, N. Y., a corporation of New York

Application April 3, 1937, Serial No. 136,055
7 Claims. (Cl. 108—16)



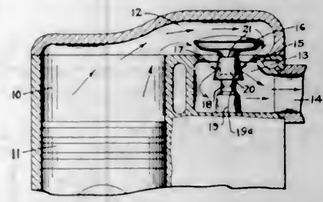
1. In a skylight construction, a frame providing a plurality of windows, shutters pivoted in said windows biased toward open positions, a shaft, bearings for the shaft, means normally holding said shaft from turning, an arm on the shaft for each shutter, a bracket attached to each shutter and engaging its corresponding arm to hold the shutter closed, means for adjusting the connection between each bracket and its arm whereby each shutter may be adjusted individually, and means for releasing the shaft holding means to permit the shutters to open.

2,100,783

EXHAUST VALVE FOR INTERNAL COMBUSTION ENGINES

Wladyslaw Kozlowski, Torrington, Conn.

Application May 6, 1936, Serial No. 78,175
2 Claims. (Cl. 123—188)



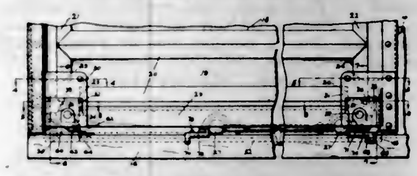
1. In an exhaust valve, a valve head having a depending stem, a guide in which said stem reciprocates, said guide having a beveled top, a valve seat to receive said head when the valve is closed, and a frusto-conical downwardly diverging thick metal deflecting member tightly embracing said stem and having its upper small diameter end below and spaced from said head, said deflecting member having a short conical countersink in its base to loosely fit over the beveled top of said guide only at the bottom of the stroke of said valve head.

2,100,784

CAR DOOR SUPPORT

Carl Lute, Hammond, Ind., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application February 3, 1934, Serial No. 709,562
17 Claims. (Cl. 16—99)



1. In a railway house car having a track and a sliding door, a ball runway for said door, a plurality of balls adapted to have rolling engagement with said runway and said track for supporting said door for antifrictional movement, a spacer adapted to be seated upon said track and associated with and maintain said balls in spaced relationship, means for elevating and frictionally supporting said door in the open and closed positions, thereby transferring the weight of said door from said balls to said means, and means engageable with said spacer in said door positions for preventing shifting of said balls along said track.

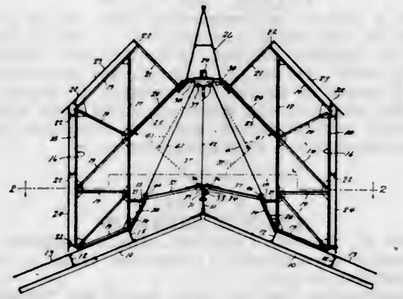
2,100,785

RIDGE VENTILATOR

James H. McDerment, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio

Application February 9, 1937, Serial No. 124,867
4 Claims. (Cl. 98—42)

1. In combination with a roof having an opening therein, trusses at each side of said opening and spaced therealong, said trusses extending upwardly and inwardly whereby to have a portion overlying said opening, means securing the trusses at one side of said opening to those at the other side thereof, a ridge roll having terminal edge portions extending along the upper portion of the inner edges of said trusses, said ridge roll overlying and extending laterally beyond said opening, baffle walls covering the outer edges of said trusses and terminating above said roof, damper means adapted to close said opening and comprising a pair of closures, each being pivoted about an axis extending longitudinally of said opening, and means for operating said closures.

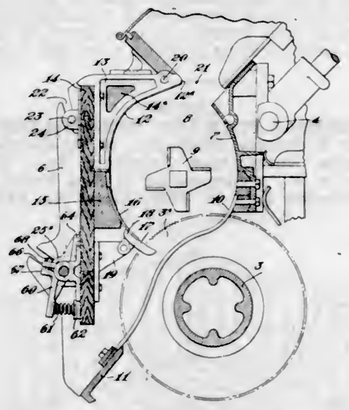


2,100,786

GIN

Robert W. McLean, Bridgewater, Mass., assignor to Carver Cotton Gin Company, East Bridgewater, Mass., a corporation of Massachusetts

Application April 17, 1935, Serial No. 16,782
28 Claims. (Cl. 19—55)

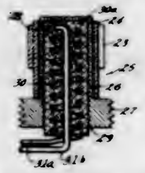


1. A gin comprising a frame, a saw cylinder supported thereby, a breast structure comprising a grate-fall, a rake-head and seed-board, means rigidly uniting the rake-head to the seed-board, means supporting the seed-board to swing about a horizontal axis adjacent to its upper edge, adjusting devices adjacent to each side of the gin respectively for adjustably holding the seed-board and rake-head in operative position, common means for simultaneously actuating the adjusting devices at both sides of the gin, and means operative to vary the adjustment at one side of the gin without affecting the adjustment at the other side of the gin.

2,100,787
PROCESS FOR FIREPROOFING WOOD, AND PRODUCTS THEREFROM
Daniel F. Moore, North Bend, and Max A. Wicks, Seattle, Wash.
No Drawing. Application August 24, 1936, Serial No. 97,594
2 Claims. (Cl. 21—20)

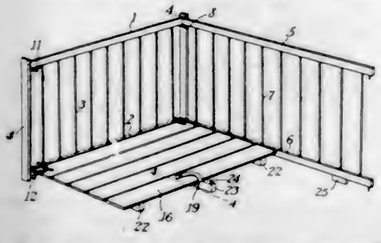
1. A process of fireproofing wood which consists in immersing the wood in a heated bath of an aqueous solution of ammonium chloride and acetic acid in the approximate proportions of 1 pound of ammonium chloride, 2 ounces of acetic acid and one gallon of water, and maintaining said immersion until the wood has been impregnated to a substantial depth.

2,100,788
CIRCUIT BREAKER
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application May 22, 1934, Serial No. 726,984
9 Claims. (Cl. 200—124)



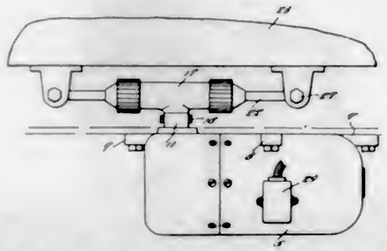
1. In a fusible control unit for automatic circuit breakers, a bearing member formed with a chamber, an electric heating element, a solid heat transmitting dielectric substance removably positioned in said chamber and in which said heating element is embedded, a releasing member carried by said bearing, and a body of solder uniting said releasing member with said bearing.

2,100,789
PORTABLE PLAY PEN FOR CHILDREN
Edward S. Swazey, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application July 25, 1936, Serial No. 92,523
7 Claims. (Cl. 5—99)



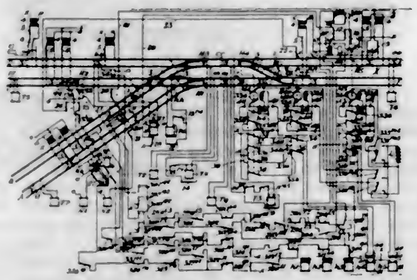
1. A portable play pen comprising two sections separable from each other by relative vertical movement, each of said sections including two sides hinged together and foldable one upon the other, floor portions foldably hinged to one side of each section, each floor portion and one side of the section separable therefrom including means on one engageble with the other and cooperating when the floor portions are lowered to hold the sections against relative vertical movement when in operative position.

2,100,790
MACHINE GUN MOUNT
Don Allen Taylor, Wadsworth, Ohio, assignor of one-half to F. Walter Boyer, Wadsworth, Ohio
Application April 18, 1936, Serial No. 75,177
4 Claims. (Cl. 89—37)



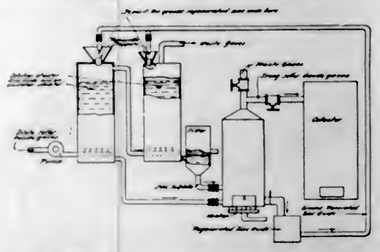
1. In a device of the character described, an electric motor including a casing having a gear box at one end thereof, a shaft journaled in said gear box and having an end projecting outwardly from the gear box, a pair of opposed spaced gear segments on said shaft, said motor having a shaft terminating within the gear box, and a gear segment on the motor shaft successively engaging the first mentioned gear segments for imparting oscillatory movement to said first named shaft, and means on the outer end of said first named shaft for mounting a machine gun thereon, said means comprising a cylinder attached intermediate its ends to the first named shaft and a gun supporting rod reciprocably mounted in said cylinder.

2,100,791
MULTIPLE CONTROL APPARATUS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 20, 1928, Serial No. 313,772
117 Claims. (Cl. 246—134)



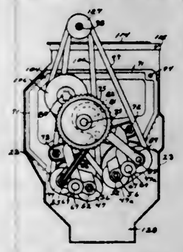
1. In combination with a plurality of devices each of which is capable of responding in a given manner to current of one polarity and in a given different manner to current of the opposite polarity, a polarized relay for each of said devices, means for supplying each of said devices with said current of one polarity or the other according as the contacts of the respective said polarized relay are closed in their normal or their reverse direction, a neutral relay for each of said polarized relays, means for energizing each of said polarized relays in its normal or its reverse direction according as its neutral relay is energized or de-energized, a plurality of control relays, a manually operable contact for each of said control relays, means including the respective manually operable contact for energizing each of said control relays while certain others of said control relays are de-energized, and means for energizing each of said neutral relays while any one of a respective group of said control relays is energized.

2,100,792
SULPHUR DIOXIDE RECOVERY PROCESS
Frank E. Townsend, Bartlesville, Okla.
Application November 29, 1933, Serial No. 700,368
11 Claims. (Cl. 23—178)



4. The process for recovering sulphur dioxide from dilute sulphur dioxide gases which consists in treating said gases with a mixture of water, zinc oxide and distillate from the destructive distillation of wood to produce zinc sulphite, then removing the zinc sulphite from the solution and subjecting it to heat to drive off the sulphur dioxide and to regenerate the zinc oxide.

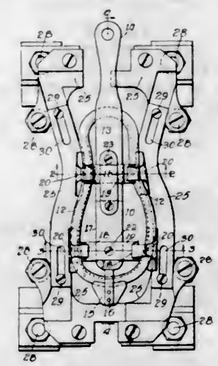
2,100,793
VEGETABLE PEELER
William E. Urschel, Valparaiso, Ind.
Application May 21, 1934, Serial No. 726,693
14 Claims. (Cl. 146—49)



2. In combination, a plurality of pairs of parallel peeling rollers, pivoted support means for each pair of rollers eccentric to the axes of the pairs, a prime mover, means intermediate said prime mover and each pair of rollers for conjointly rotating all of said rollers, and an eccentric actuated by said prime mover and connected to all of said support means for oscillating all of said rollers about their supports for changing the contour of the bed of rollers while said rollers are rotating.

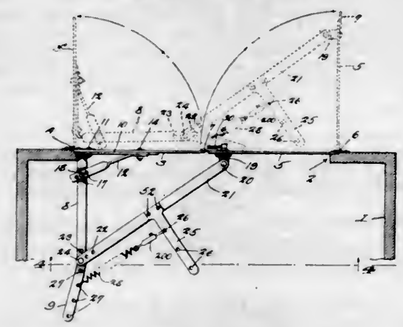
2,100,794
MANUFACTURE OF SHOES
Joseph W. Barna, Chicago, Ill.
Application September 11, 1936, Serial No. 101,259
5 Claims. (Cl. 12—107)

1. A device to clamp a pre-welt upper on a last consisting of a bar having a fulcrum near its toe-end and a welt-engaging member at its toe-end constructed and arranged to turn the welt away from the upper and clamp the work onto the toe of the last when the bar swings on its fulcrum toward the sole of the last, and clamps on the sides of the bar constructed and arranged



to hold the free edge of the welt away from the upper and to sustain the work upon the edge of the sole of the last when the bar swings to position thereon.

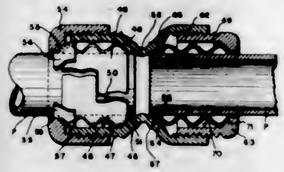
2,100,795
DOOR CONTROLLING MECHANISM
Harold A. Baumgarten, Loganville, Wis.
Application March 3, 1937, Serial No. 128,843
5 Claims. (Cl. 268—62)



1. In a device of the class described, a support, first and second doors, hinges connecting the doors to the support, a backwardly extended arm rigidly connected to the first door at a place near the outer edge of the first door, a backwardly extended bracket on the second door, near to the inner edge of the second door, a backwardly inclined and outwardly extended link, a pivot element connecting the inner end of the link with the bracket, means for pivotally connecting the outer end of the link to the arm at a place intermediate the ends of the arm, a finger rigidly mounted on the intermediate portion of the link and extended backwardly with respect to the link, and a resilient actuating means connected at its inner end to the finger, and at its outer end to the arm, at a place behind the link, the pivot element being located behind a line connecting the hinges, when the doors are closed, whereby the resilient actuating means will oper-

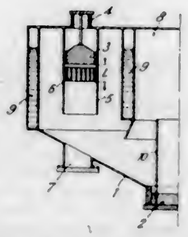
ate to hold the doors closed, the pivot element being located in front of said line, when the doors are opened a little, whereby the resilient actuating means will operate to open the doors further.

2,100,796
PIPE COUPLER
Lewis H. Church, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application April 2, 1936, Serial No. 72,253
3 Claims. (Cl. 285—122)



1. A pipe coupler comprising a threaded coupler member having a bore therein to receive a pipe; clamping and sealing means having one end thereof engaging the coupler member including a contractile sleeve to embrace the pipe, and a continuous ring of thin material engaging one end of the contractile sleeve; an operating member engaging the other end of the clamping and sealing means and having a pipe receiving bore; and threads upon the operating member engaging the threads on the coupler member to move the former axially with respect to the coupler member to contract the sleeve; the continuous ring having a part engaging the end of the flexible sleeve for axial movement therewith upon tightening of the operating member and also having a cylindrical part at least the edge of which is forced into the space between the pipe and the pipe receiving bore in one of the members.

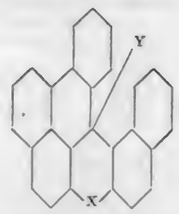
2,100,797
ELECTRIC DISCHARGE APPARATUS
Walter Dallenbach, Berlin-Charlottenburg, Germany
Application July 3, 1935, Serial No. 29,744
In Germany July 24, 1934
4 Claims. (Cl. 250—27.5)



1. An electric discharge vessel comprising a mercury cathode, at least one anode, an anode protecting tube surrounding each anode, a multichannel baffle disposed within each protecting tube in the path of the discharge and terminating at its outer extremity 30 mm. from the corresponding anode and a mercury vapour atmosphere at a pressure lying in the range between 0.1–0.15 mm. of mercury.

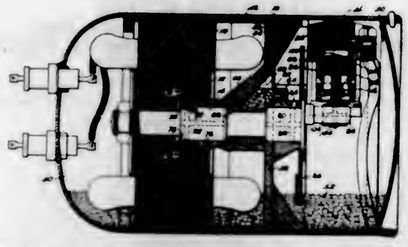
2,100,798
CONDENSATION PRODUCTS OF CARBENIUM COMPOUNDS AND PROCESS OF PREPARING THE SAME
Walther Dilthey and Ferdinand Quint, Bonn-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 27, 1934, Serial No. 722,814. In Germany May 2, 1933
15 Claims. (Cl. 260—54)

15. The compounds of the general formula:



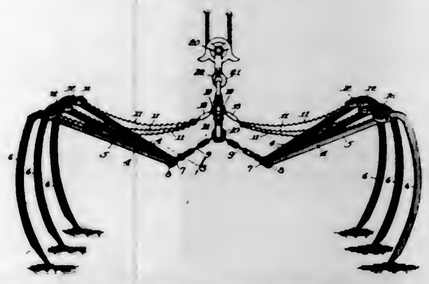
wherein X represents a member of the group consisting of oxygen, sulfur, imino and arylimino and Y represents a member of the group consisting of hydrogen, hydroxyl and the radical of an acid.

2,100,799
MOTOR COMPRESSOR
William D. Drysdale, Mount Clemens, Mich., assignor to Walter J. Sugden, Boston, Mass.
Application November 1, 1934, Serial No. 750,983
3 Claims. (Cl. 230—206)



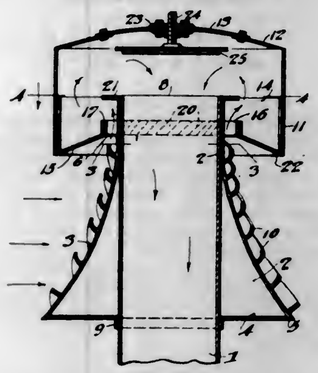
1. A compressor unit comprising, in combination, a horizontally disposed motor, a compressor comprising a vertically disposed cylinder, a piston therein, said cylinder being provided with one or more lateral, downwardly inclined ports constituting a reservoir or reservoirs for the maintenance of a body or bodies of oil, a wrist pin having a chamber which communicates with and receives oil from said port or ports as said piston reciprocates, a connecting rod about and receiving oil from said chamber, a shaft which drives said connecting rod, a bearing for said shaft between said motor and said compressor, said bearing presenting about and extraneous to said shaft the entire means for the maintenance of a body of oil above and about said shaft for the lubrication of the bearing surfaces of said shaft and said bearing, a housing which completely houses said motor, said compressor, said shaft, and said bearing, said housing presenting a chamber having a portion constituting a main reservoir for the maintenance of a body of oil below said shaft and said compressor, said chamber having a portion about said cylinder for oil from said body to reach said port or ports, and a rotary element carried by said shaft, partially immersed in the oil in said main reservoir and adapted to supply oil directly to said port or ports and separately to said means.

2,100,800
GRAPPLE-FORK
Robert G. Ferris, Harvard, Ill., assignor to Starline, Inc., Harvard, Ill., a corporation of Illinois
Application April 1, 1936, Serial No. 72,171
7 Claims. (Cl. 294—107)



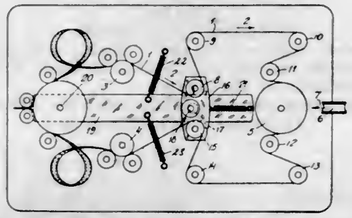
2. In a grapple-fork, a plurality of individually separate tines, a plurality of means flexibly connecting together said tines in separate groups, respectively, each comprising a substantially rigid link member having an opening therethrough, said tines having openings at which they are strung as groups on said members adapting said tines for swinging movement on said members independently of each other, and flexible means connecting said rigid members together.

2,100,801
AIR-FLOW VENTILATOR
Burton M. Green, Brooklyn, N. Y.
Application February 28, 1935, Serial No. 8,744
14 Claims. (Cl. 98—64)



1. An air flow ventilator comprising, with a tubular stack, vanes carried around the outside of the stack adjacent to the open end thereof and formed to catch transversely moving air currents and change the direction of movement thereof to cause the currents to flow substantially parallel with the axis of the stack, and deflector vanes disposed in a path of direct communication to the open end of the stack.

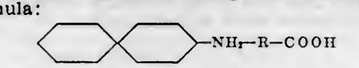
2,100,802
FILM STRETCHING DEVICE
Sven Severin Hansen and Terrence Max Emil Wendt, Rasunda, Sweden
Application October 18, 1935, Serial No. 45,676
In Sweden October 22, 1934
10 Claims. (Cl. 271—2.3)



1. In a stretching device for films, particularly sound films or such films in combination with picture films, means defining a light aperture, means to move the film past said aperture, stretching members at both sides of said aperture, and means to equalize film tension variations caused by oscillations of the stretching members, said equalizing means including means connecting the stretching member at one side of the aperture to the stretching member at the other side thereof.

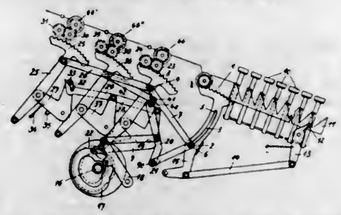
2,100,803
4-AMINODIPHENYL COMPOUNDS
Morton Harris, Anniston, Ala., assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application January 24, 1935, Serial No. 3,266
7 Claims. (Cl. 260—111)

6. A new chemical compound having the formula:



in which R—COOH represents an aromatic carboxylic acid selected from the group consisting of benzoic acid and salicylic acid.

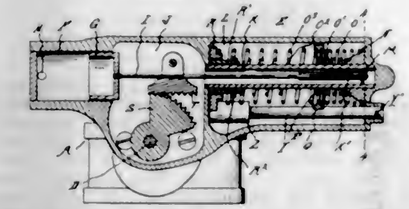
2,100,804
DRIVE FOR CALCULATING MACHINES, BOOKKEEPING MACHINES, AND THE LIKE
Karl Reinhold Heinitz, Dresden, Germany
Application October 6, 1933, Serial No. 692,544
In Germany October 24, 1932
6 Claims. (Cl. 235—60)



1. In a calculating machine, a set of digit keys, a setting lever having guide means, connections between the keys and lever for imparting differential settings to the said lever and guide means, a differential actuator, a numeral wheel operated thereby, a connecting rod jointed at one end to the actuator and having its other end movable in

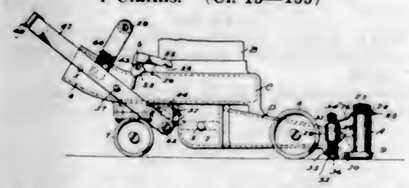
the guide means of the setting lever to operate the actuator correspondingly to the setting of said means, and shaft operated drive means positively connected to the connecting rod to move its said other end in the guide means.

2,100,805
ENGINE GOVERNOR
Raymond Hufford, Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application May 27, 1929, Serial No. 366,459
11 Claims. (Cl. 137—153)



1. A governor for internal combustion engines comprising an engine inlet conduit, an unbalanced throttle therein adapted to be actuated by the gaseous stream towards closed position, a rock shaft on which said throttle is mounted, a cylinder in communicating connection with said inlet on the engine side of the throttle, a piston in said cylinder movable therein in a rectilinear direction, a constant ratio transmission between the throttle rock shaft and said piston whereby the movement of one is communicated to the other, and resilient means acting in the rectilinear direction of movement of said piston and operating the same to open the throttle, said resilient means having a characteristic substantially that of the combined closing forces.

2,100,806
CARPET AND FLOOR CLEANER
Bernard Kern, Syracuse, N. Y.
Application October 18, 1933, Serial No. 694,151
4 Claims. (Cl. 15—155)



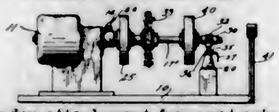
1. A machine of the character described including a nozzle formed with a chamber adjacent one edge of the mouth portion thereof, a pad positioned in the chamber, a second pad positioned adjacent the opposite edge of the mouth portion, means for normally urging the second mentioned pad towards and into contact with the surface being cleaned, and common adjusting means for the two pads, said means when in one position of adjustment moving the first mentioned pad to a midway position in the chamber while raising the second mentioned pad out of contact with the surface being cleaned, and when in a final position of adjustment lowering the first mentioned pad into contact with the surface being cleaned and raising the nozzle to a position above the surface.

2,100,807
APPARATUS FOR CLEANING THE SCREEN IN A WELL
Myron Macy Kinley, Tulsa, Okla.
Application February 20, 1935, Serial No. 7,368
13 Claims. (Cl. 166—20)



1. An apparatus for cleaning the inlets in a well tubing of accumulations tending to block flow of fluid including means for lowering an explosive charge through the tubing into proximity of the inlets, means for exploding said charge, means for confining a body of fluid, a piston movable in said confining means under force of the explosion to discharge said fluid, means for directing streams of the fluid under movement of the piston in opposition to the natural flow of fluid through the inlets, and means for checking movement of the piston after discharge of the fluid.

2,100,808
GRINDER AND SHARPENER ATTACHMENT FOR MEAT GRINDERS
Andrew J. Kirkland, West Palm Beach, Fla.
Application December 14, 1936, Serial No. 115,826
4 Claims. (Cl. 51—241)

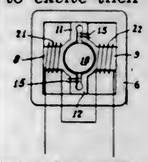


4. A grinder attachment for meat grinders and the like comprising in combination, a motor having a shaft, a second shaft, detachable coupling means between the shafts for end to end connection, a grinding disk on the motor shaft, a buffer and grinding disk on the second named shaft, an adjustable support means for the second named shaft, said last named shaft having pivotal connection with the support means whereby said shaft may be swung to a position clear of the motor shaft upon uncoupling of the shafts and a support for the second named shaft when in the latter position.

2,100,809
SELF-STARTING SINGLE PHASE ALTERNATING CURRENT INDUCTION MOTOR
James Larocca, Chicago, Ill., assignor to Speedway Manufacturing Company, Cicero, Ill., a corporation of Illinois
Application September 12, 1934, Serial No. 743,681
6 Claims. (Cl. 172—278)

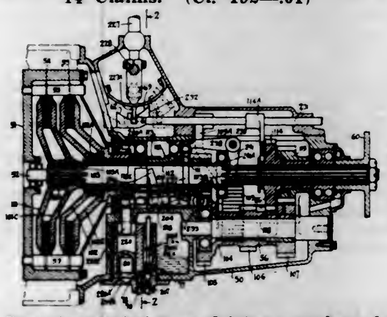
6. An electric motor comprising a rotor, a cruciform magnetic field structure providing

alternately unshaded main and auxiliary poles magnetically connected in series, a magnetic frame structure completing the magnetic circuit between adjacent poles, windings on the main poles arranged to excite their adjacent ends to



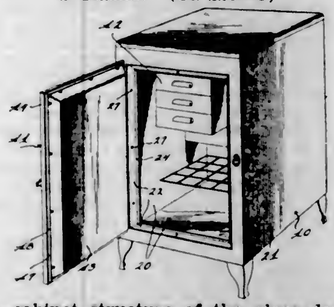
opposite polarities, said auxiliary poles being provided with longitudinal slots extending outwardly from their innermost ends, and shading windings extending through said slots and surrounding parts of said auxiliary poles.

2,100,810
TRANSMISSION
William T. Livermore, Westfield, N. J.
Application January 5, 1932, Serial No. 584,812
14 Claims. (Cl. 192—.01)



1. In a transmission, a driving member, drive shafts, clutches for operatively connecting said member and shafts, means for actuating the clutches including members having expansible chambers, a source of fluid pressure, means for admitting the fluid under pressure to the expansible chambers to actuate the clutches including a single control member, and a choke for controlling the rate of application of the fluid to the expansible chambers.

2,100,811
REFRIGERATOR CABINET
William Marshall, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 19, 1931, Serial No. 569,797
2 Claims. (Cl. 220—9)



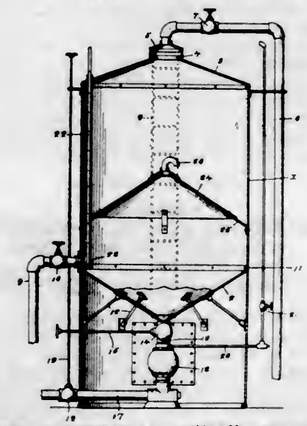
1. A cabinet structure of the class described having inner and outer metallic panels which terminate in spaced longitudinal edges at the door opening of the cabinet, a door for said opening, an air sealing gasket disposed between the door opening of said cabinet and the said door when the door is in closed position, a finish plate overlapping the spaced edges of said panels, an auxiliary air sealing gasket clamped between the overlapping portions of one of said panels and the finish plate and constituting a second air sealing gasket between said door and said cabinet when the door is in closed position.

2,100,812
TRIM PANEL ASSEMBLY
William Marshall, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Original application September 29, 1933, Serial No. 691,441, now Patent No. 2,026,585, dated January 7, 1936. Divided and this application October 28, 1935, Serial No. 47,025
4 Claims. (Cl. 45—138)



1. A trim panel for a vehicle body comprising a relatively stiff foundation sheet adapted to be covered at the outer face thereof with a finish material, a reinforcing strip secured along the edge of said sheet at the rear face thereof, a spacer strip interposed between said reinforcing strip and foundation sheet, said strips having alined apertures, the aperture in the spacer together with adjacent portions of the reinforcing strip and said foundation sheet forming undercut recesses adapted to detachably receive parts of a fastener device.

2,100,813
TANK CLEANER
Andrew Lee Morgan, Houston, Tex.
Application August 10, 1936, Serial No. 95,247
1 Claim. (Cl. 210—58)



A cleaner comprising a vertically arranged tank having an inlet at its upper end, means for con-

necting the inlet to a liquid supply, an inverted conical-shaped bottom located in and secured to said tank and arranged a distance above the lower end of said tank, an outlet pipe connected to the tank slightly above the upper edge of the bottom, a fitting connected to the bottom, a sediment basin connected to said fitting, a control valve in said fitting, an outlet means connected to the basin and extending through a wall of the tank, a vent means connected to said fitting and extending exteriorly of the tank, a conical-shaped deflector located in the tank and spaced therefrom and arranged above the bottom with its apex in alignment with the inlet, and a goose neck shaped vent pipe connected on the apex of the deflector and arranged above the latter.

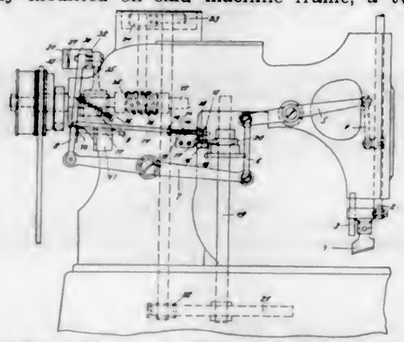
2,100,814
MANIFOLDING BOOK
John R. Morrison, Newport News, Va., assignor, by mesne assignments, to J. Stuart Fleming, Niagara Falls, N. Y.
Application December 14, 1931, Serial No. 580,786
9 Claims. (Cl. 282—23)



1. A manifolding book comprising a backing member, a pack of manifolding sets mounted on the backing member, each set comprising record leaves and interposed transfer leaves, edge portions of the leaves of each set being bound together at an edge portion of the pack, the edges of the record and transfer leaves of each set being offset at the opposite edge portion of the pack and certain of the leaves having readily breakable connection with the bound edge portions to permit separation of the record and transfer leaves, one intermediate leaf of each set being a binding leaf and having its edge portion opposite the bound edge portion projecting past the other leaves of the set and having binding attachment to the backing member, the latter leaf being weakened adjacent the edge portion attached to the backing member to permit detachment of the set from the backing member, leaves of each said set above and below the said binding leaf thereof having their edge portions, which are remote from said bound edge portions, terminating short of said binding attachment and being free of attachment directly thereto, leaves attached at one edge portion to the backing member and positioned for interleaving with the leaves of bound sets, and a stop sheet flexibly attached to the backing member and adapted to be interposed beneath the manifolding set at the top of the pack.

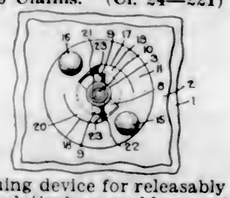
2,100,815
CUTTING DEVICE FOR BUTTONHOLE- OR OTHER SEWING MACHINES
Hermann Pudelko, Bielefeld, Germany, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany
Application September 24, 1934, Serial No. 745,183
In Germany September 30, 1933
2 Claims. (Cl. 112—68)

1. A cutting device on button hole and similar sewing machines, comprising in combination with the machine frame, a knife vertically reciprocable in said frame, a lever system connected with said knife, a main driving shaft journalled in said frame, a cam on said shaft, a crank actuated by said cam, a strap pivotally mounted on said frame and oscillatable by said crank, a counter shaft driven by said main shaft, a second cam rotated by said counter shaft, said strap having a bore, a coupling lever pivotally connected at one end with said lever system, a nose on the other end of said coupling lever adapted to engage the bore in said strap, a guide rod slidably mounted on said machine frame, a two-



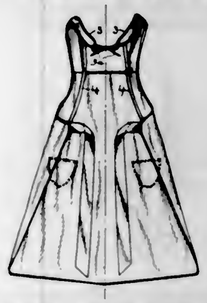
armed lever bearing with one arm against said second cam and engaging with its other arm said guide rod, said guide rod adapted to be longitudinally shifted to the right by said cam, a spring on said guide rod, adapted to press said guide rod against said coupling lever and to oscillate said lever to cause said nose to engage said bore when the cam releases said rod, and a locking device on said strap adapted to prevent premature engagement of said nose in said bore.

2,100,816
FASTENING DEVICE FOR LOCKING JUXTAPOSED MEMBERS TOGETHER
Forrest G. Purinton, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application April 15, 1936, Serial No. 74,493
6 Claims. (Cl. 24—221)



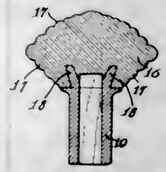
3. A fastening device for releasably holding together two relatively movable members, one of which is provided with an aperture having a stud rotatably fitting therein and having at one end a relatively large head and adjacent the other end lateral projections, the other member having a relatively large aperture therein through which said stud and extensions may be inserted, and a locking plate of resilient material secured to said other member partially overlying the aperture in said other member and provided with a central aperture fitting said stud and laterally extending recesses through which the lateral projections of the stud may be inserted, spring sections partially severed from said resilient plate on lines extending rearwardly from opposite edges of said recesses and bent outwardly from the plane of said plate and having upturned free ends forming sockets adapted to arrest the rotation of said stud when engaged by the lateral extensions thereof.

2,100,817
APRON
Ada Quinn, Ogden, Utah
Application July 6, 1935, Serial No. 30,106
2 Claims. (Cl. 2—48)



1. In an apron, the combination of a front portion adapted to cover parts of the front and sides of the wearer, a pair of tie strings secured to the side edges of the front portion and adapted to be knotted in the center of the wearer's back, a back yoke connected to the front portion and adapted to extend across the back of the wearer adjacent the neckline, said yoke being divided into two sections and including means for detachably and adjustably connecting said sections together so constructed and arranged as to provide a yoke of variable length, and a pair of straps secured at their upper ends to said yoke sections and at their lower ends to the side edges of said front portion.

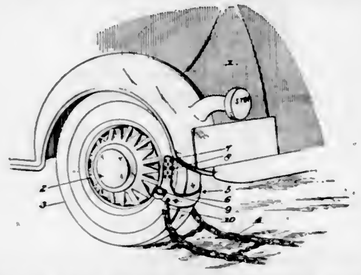
2,100,818
GLASS DOORKNOB
Allen Bryce Redman, Millville, N. J., assignor to T. C. Wheaton Co., Millville, N. J., a corporation of New Jersey
Application February 16, 1937, Serial No. 125,971
3 Claims. (Cl. 16—121)



3. A door knob socket having spreading projections adapted to fit within the body of the knob and which hold the knob in place, in combination with a glass knob shrunk upon the projections and having throughout its surface between the socket and the axial end of the knob a succession of outwardly convex ring surfaces acting as diffraction surfaces to prevent view of the projections through the knob.

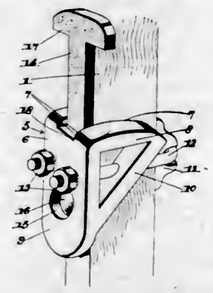
2,100,819
SKID CHAIN APPLYING DEVICE
Thomas P. Salley, Roselle, N. J.
Application March 12, 1936, Serial No. 68,520
Renewed August 24, 1937
2 Claims. (Cl. 152—14)

1. A skid chain attaching device comprising a bow of resilient material to be applied crosswise of the tread of a tire, the ends of the bow having integral, substantially parallel internally roughened leaves, and said ends of the bow also having heels adapted to rest on the margins of a wheel carrying the tire, and means at which to hook on the ends of a skid chain, said means being carried by the bow adjacent to the heels so that



the pull of the chain will convert the heels into fulcrums serving to jam the roughened leaves against the side walls and prevent twisting of the bow out of position.

2,100,820
LUG STRAP HOLDER
Heyward Shealy, Hendersonville, N. C.
Application July 28, 1936, Serial No. 93,084
2 Claims. (Cl. 139—154)

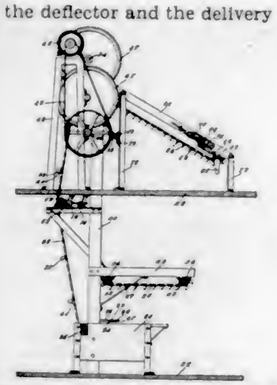


2. In a picker stick, a lug strap holder comprising a forked clamp which is fitted upon the picker stick, said clamp having a hole in its face portion, a buffer strap of which a part is interposed between the face portion of the clamp and the adjacent face of the picker stick, and means going around the picker stick and through the clamp, drawing the clamp tightly against the buffer strap so that a portion of said strap is made to bulge into the hole thereby forming a key which aids in keeping said strap from slipping.

2,100,821
MACARONI TRIMMING AND DRYING APPARATUS
La Sim, New Orleans, La.
Application October 15, 1935, Serial No. 45,159
7 Claims. (Cl. 198—20)

1. Apparatus for handling and drying dough strings looped in spaced relation over rods, comprising an endless carrier for feeding the rods, an endless elevator receiving the rods from the endless carrier, an endless carrier for delivering the rods from the elevator, a deflector in the path of the rods on the elevator adapted to deflect the strings thereof away from the strings of the rods on the delivery carrier, and a kicker

between the deflector and the delivery carrier for



transferring the rods from the elevator to the delivery carrier.

2,100,822

CONTINUOUS PROCESS FOR PRODUCTION OF ARALKYL HALIDES

Harold M. Spurlin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 21, 1935, Serial No. 37,174

17 Claims. (Cl. 260—160)

1. The method of producing an aralkyl halide which includes reacting a di-aralkyl ether with a hydrogen halide in the presence of an aqueous solution of a heavy metal halide at a temperature not in excess of about 120° C. and continuously removing aralkyl halide from the reaction as formed.

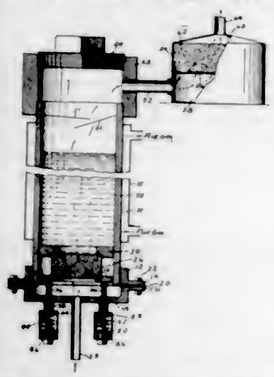
2,100,823

METHOD AND APPARATUS FOR PERFORMING PYROGENETIC REACTIONS

Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Chemical Company, a corporation of Delaware

Application May 6, 1935, Serial No. 19,980

13 Claims. (Cl. 196—70)



1. A method of conducting pyrogenetic reactions which comprises forcing a vaporous organic material to be pyrolyzed through a porous refractory body directly into a relatively non-volatile inert bath of molten material heated to the temperature required for the pyrolysis.

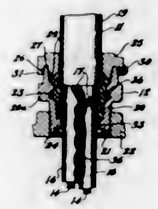
2,100,824

ELECTRIC CABLE CONNECTER

Albert J. Wayman, Youngstown, Ohio, assignor of one-half to Ernest H. McClure, East Palestine, Ohio

Application December 30, 1935, Serial No. 56,597

4 Claims. (Cl. 247—18)



1. Cable connecter construction including an integral sleeve having a screw-thread thereon at one end for screwing into a threaded socket, an integral partition wall in said sleeve member, a cable passing through said sleeve member and said partition wall, plastic adhesive weatherproof sealing material located between said sleeve and said cable, a cap member around the cable detachably secured to the other end of said sleeve for compressing said sealing material against said partition wall and cable, said partition wall having separate apertures through which the several conductors of said cable pass whereby said conductors lock said sleeve against removal from its socket.

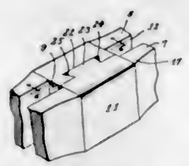
2,100,825

CLOTHESPIN

Oscar H. Wehry, Rockford, Ill.

Application January 8, 1936, Serial No. 58,053

3 Claims. (Cl. 24—138)



1. A clothespin comprising, in combination, two parallelly disposed strips of wood having opposed faces which are substantially plane through the major portion of their length and are outwardly flared at their ends, a short spacing block interposed between said strips substantially at the center thereof, and a metal band having interfitting dovetailed ends, the band encircling said strips and said block being seated in the outer faces of said strips flush with the surface thereof to clamp the strips and the block firmly together, the points of said dovetail being pressed inward for engagement with the wood of the pin.

2,100,826

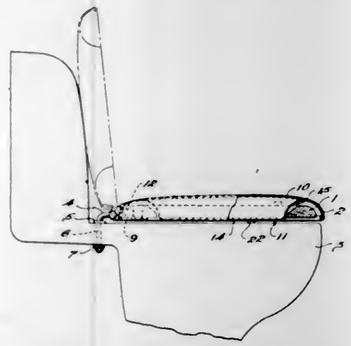
WATER CLOSET

Clarence E. Wexelberg, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan

Application November 4, 1935, Serial No. 48,115

7 Claims. (Cl. 4—234)

1. A cover for a water closet comprising a top member having a depending edge adapted to enclose a toilet seat, and a hollow back rest portion nested within said cover engaging said depending



edge and adapted to project into the opening of said seat.

2,100,827

PROCESS FOR THE PRODUCTION OF POTASSIUM FORMATE

Erich Wiedbrauck, Essen-Ruhr, Germany, assignor to Chemische Fabrik Buckau, Ammendorf, (Saalkreis) Germany

No Drawing. Application January 29, 1936, Serial No. 61,427. In Germany January 31, 1935

18 Claims. (Cl. 260—118)

1. In the process of manufacturing potassium formate wherein calcium formate is reacted in aqueous solution with potassium sulphate at elevated temperatures not substantially below 180° C. and under corresponding superatmospheric pressures, the step which comprises maintaining the concentration of the potassium sulphate in the reaction mixture as low as possible at the moment of reaction by adding the potassium sulphate substantially as it is converted.

2,100,828

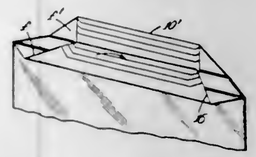
MULTI-PLY PAPER SACK

John William Winskill, Widecombe, Barming Woods, Maidstone, England

Application February 27, 1937, Serial No. 128,257

In Great Britain February 3, 1936

3 Claims. (Cl. 229—55)



1. A multi-ply paper sack comprising a series of nested flattened tubes having a diamond fold end closure comprising side and end flaps joined by diagonal folds, each of said side flaps being cut stepwise in reversed order to the other side flap along lines generally parallel to the ends of the plies over most of the length of said side flaps and then obliquely to the ends of the plies across the said diagonal folds.

2,100,829

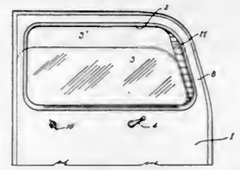
DRAFTLESS VENTILATING WINDOW

Leonard A. Young, Detroit, Mich., assignor, by mesne assignments, to Automobile Ventilation, Inc., Detroit, Mich., a corporation of Michigan

Application January 9, 1933, Serial No. 650,795

Renewed May 11, 1936

11 Claims. (Cl. 296—44)



4. In a vehicle body, the combination of a window formed from a piece of glass, a frame for said window constructed so as to maintain a substantially tight joint between the front edge of the window and the front upright member of the frame, the window being adapted to be moved vertically or substantially so, means for moving said window in its plane longitudinally of the vehicle to produce a ventilating opening adjacent to the front edge of same through which air is sucked from the interior of the body by the natural vacuum produced on said ventilating opening by external air currents, when the vehicle is moving forwardly, and means for moving said window in its plane longitudinally of the vehicle to cut off the escape of air from the body through said ventilating opening.

2,100,830

SURFACE COVERING

Harry F. Altheide, Chicago, Ill., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application July 21, 1936, Serial No. 91,712

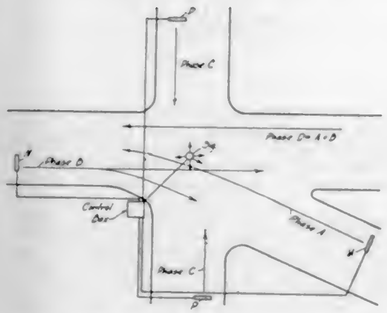
5 Claims. (Cl. 108—7)



1. A felt base strip shingle comprising a body portion having widely spaced tabs along one longitudinal edge thereof, said shingle being coated on its upper surface with waterproofing material and surfaced with granular material, the surfacing material applied to said tabs and to a band of said body portion adjacent the lower edge thereof of a width slightly less than the depth of said tabs being of relatively light color and the portion of said shingle above said light colored portion being surfaced with darker colored surfacing material, said shingle being adapted to be laid in overlapping courses with other like shingles with the forward edges of the tabs of each course aligned with the upper edges of the spaces between the tabs of the preceding course, whereby the dark colored portion of each course is entirely covered by the succeeding course except narrow bands adjacent the upper edges of the spaces of said succeeding course, said exposed dark colored bands cooperating with the upper edges of the spaces between the tabs of the succeeding course and with the butt edges of the tabs

of a third course to lend to the butt edges of the tabs of said third course an appearance of thickness.

2,100,831
TRAFFIC CONTROL SYSTEM
John L. Barker, White Plains, N. Y., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware
Application February 4, 1937, Serial No. 124,074
14 Claims. (Cl. 177—337)



1. In a traffic control apparatus having stop, go and caution signals for each of more than two intersecting traffic lanes, traffic actuated means in the respective lanes and a time controlled mechanism for operating the signals to display the signals successively in the several lanes for the control of traffic in accordance with traffic actuation in such lanes, said mechanism including a switching device having a plurality of positions through which it is adapted to be operated for time periods to cause display of the go signal successively to the several lanes and stop signals to be concurrently displayed to the other lanes and intervening positions in which the caution signal for any one lane is displayed, means forming a part of said mechanism and, when said mechanism is in position displaying caution signal to one lane following display of a go signal therein and in absence of actuation of the traffic actuated means in the next following lane in the successive operation, operated to reduce substantially the time periods of the positions corresponding to the go signal and caution signal for said next following lane and to prevent display of said go and caution signals and to cause display of the stop signal instead during such reduced time periods.

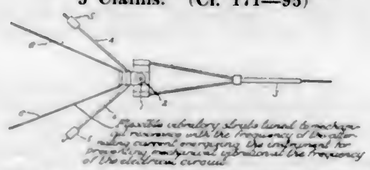
2,100,832
MOLD FOR MAKING HOLLOW ARTICLES FROM PLASTIC MATERIALS
Kurt Bratring, Berlin-Charlottenburg, Germany
Application November 30, 1932, Serial No. 644,941
In Germany March 18, 1932
2 Claims. (Cl. 18—41)

1. In a mold, a hollow body member having connection to a source of fluid under pressure, an enlarged aperture at one end of said body provided with a bordering valve seat, a valve member engaging said seat providing a form sustaining member for an object to be molded and to release the same bodily upon opening outwardly, a partition in said body provided with a plurality of apertures, a valve stem connected to said valve member, and yieldingly resistant means engaging



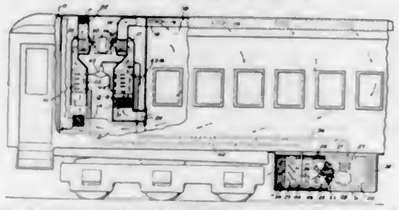
said stem for retaining said valve member on its seat.

2,100,833
DAMPING DEVICE FOR INDICATING INSTRUMENTS
Waldemar Brückel, Berlin-Wilmersdorf, and Karl Haas, Berlin-Britz, Germany, assignors to General Electric Company, a corporation of New York
Application February 17, 1936, Serial No. 64,418
In Germany February 28, 1935
5 Claims. (Cl. 171—95)



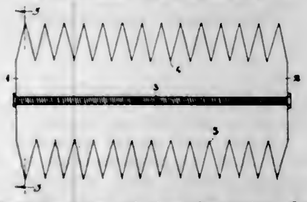
1. In an electrical instrument for alternating-current circuits of a given frequency, a movable element and connected thereto a flexible strut adapted to vibrate at the frequency of the alternating-current circuit.

2,100,834
AIR CONDITIONING SYSTEM
Robert L. Chapman, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 31, 1936, Serial No. 93,645
10 Claims. (Cl. 62—117)



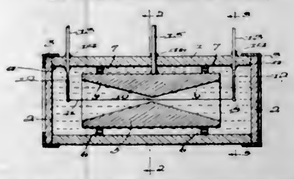
10. A system for conditioning the air within the passenger space of a vehicle including a refrigerating machine having a compressor and a condenser and an evaporator connected in the refrigerant circuit thereof, said compressor and said condenser being arranged outside said passenger space and on the underside of said vehicle, means including a housing and a fan for circulating air over said compressor and said condenser, means circulating air over said evaporator for cooling the air within said passenger space, means including a passage and utilizing said fan for discharging air from said passenger space, and means including a heat exchange element connected in said refrigerant circuit between said condenser and said evaporator and arranged in said passage for cooling refrigerant liquefied in said condenser.

2,100,835
FLEXIBLE TUBE
Ugo Ciamberlini, Rome, Italy
Application September 20, 1935, Serial No. 41,404
In Italy September 27, 1934
2 Claims. (Cl. 138—49)



1. A flexible tube of the character described, comprising a plurality of truncated conical ring sections secured together in alternate positions to constitute a bellows member, end plate members having open portions respectively secured to the conical rings constituting the opposite ends of said bellows member, and a flexible inextensible cable within said tube secured at its opposite ends to said end plate members, causing the internal volume of the tube to remain constant when bent and ensuring flexing of the tube when the pressure therein exceeds the pressure on the exterior of said tube.

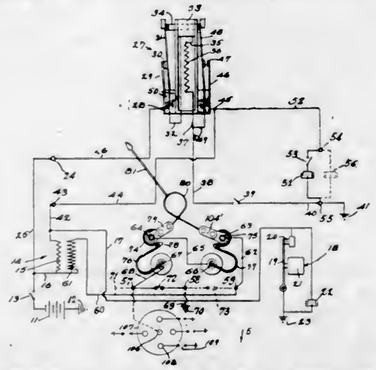
2,100,836
LIGHT MODULATING CELL
Stewart L. Clothier, Hasbrouck Heights, and Harold C. Hogencamp, Fairlawn, N. J., assignors to Kolorama Laboratories, Inc., Newark, N. J., a corporation of New Jersey
Application June 4, 1936, Serial No. 83,588
13 Claims. (Cl. 88—61)



1. A light modulating cell comprising a body of birefringent fluid, an elongated hollow electrode immersed in said fluid, a filament electrode extending coaxially within said hollow electrode and separated from the hollow electrode by said birefringent fluid, and means for passing a beam of light longitudinally through said hollow electrode.

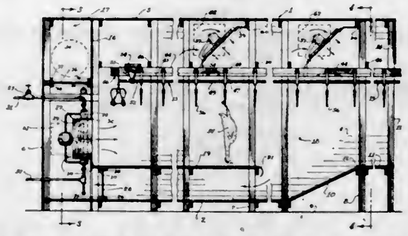
2,100,837
SPARK METER
Irven E. Coffey, Playa del Rey, Calif.
Application October 22, 1931, Serial No. 570,447
12 Claims. (Cl. 175—183)

10. A spark coil testing device comprising a casing, a bimetallic thermostat having one end fixed with respect to said casing and the other end free, a second bimetallic thermostat having one end attached to the free end of the first thermostat and its other end free, a scale, a pointer connected to the free end of the second thermostat and cooperating with said scale, said thermostats being oppositely connected and arranged to eliminate variations in the position of said pointer due to variations in ambient temperature, an electric terminal connected to the first of said thermostats, and an electrode mounted adjacent one of said thermostats in such relation as to form a spark gap between the thermostat and said electrode.



11. A test set comprising a heat responsive device shaped in the arc of a circle, a pointer connected thereto, an electrode centrally mounted within and closely adjacent to said heat responsive device, said heat responsive device being of the bimetallic type, whereby said sparks may jump with equal facility between said electrode and different parts of the thermostatic device.

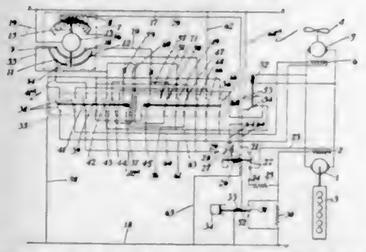
2,100,838
DRYING TUNNEL
Anson W. De Vout, La Grange Park, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 11, 1935, Serial No. 53,881
4 Claims. (Cl. 34—12)



1. In a poultry treating apparatus including an enclosure having a vertical partition spaced from one end thereof providing a temperature control chamber and a product treating chamber, an opening through said partition and means for admitting air to said temperature control chamber, a heat exchange unit mounted in said temperature control chamber at said opening, means for forcing air currents from said temperature control chamber and through said product treating chamber, a conveying means in said product treating chamber for the carriage of product in the path of said forced air currents and fan means angularly suspended above the conveying

means for causing a portion of said forced air currents to be recirculated in a direction downwardly against the product carried on said conveying means.

2,100,839
ELECTRIC SHIP PROPULSION SYSTEM
George Ellis, Sudbury, England, assignor to The General Electric Company Limited, London, England
Application June 18, 1935, Serial No. 27,205
In Great Britain June 18, 1934
7 Claims. (Cl. 172—8)



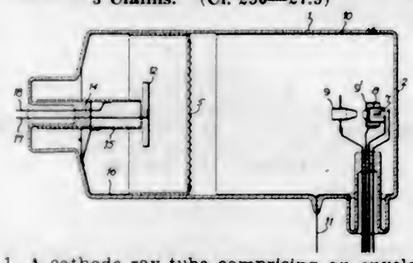
7. An electric ship propulsion system comprising a direct current generator in closed circuit with a propulsion motor, field coils for the generator and motor respectively, a controller, contactors arranged to be operated by the controller for directing an energizing current through the motor field coil in one direction for ahead and the other direction for astern rotation of the motor, contacts operated by the respective contactors for establishing a circuit for energizing the field coil of the generator by current flowing in the same direction for both ahead and astern rotation of the motor, controller operated means for deenergizing the generator field coil in advance of operation of said contactors for effecting a reversal of the current in the motor field coil and a voltage relay operated by said generator-motor circuit for preventing operation of said contactors for effecting reversal of the current in the motor field coil until the voltage in the generator-motor circuit drops below a prearranged minimum.

2,100,840
MOTOR VEHICLE LICENSING SYSTEM AND TAG THEREFOR
Charles E. Elmore, Chicago, Ill.
Application January 18, 1936, Serial No. 59,747
3 Claims. (Cl. 40—2.2)



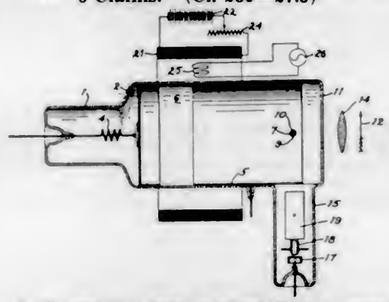
1. A vehicle license sticker, comprising a decalcomania film having the license identifying indicia perforated therein, a background strip overlying the back of the perforated portion of said film, and means having an adhesive coating by which it is pasted to the back of said film for securing said strip in place, the face of the perforated portion of the film and the surface of the background strip covering the rear of said perforated portion being in contrasting colors.

2,100,841
IMAGE ANALYSIS TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application September 7, 1935, Serial No. 39,605
3 Claims. (Cl. 250—27.5)



1. A cathode ray tube comprising an envelope containing an apertured control electrode having a photosensitive face and an opposite insulating face, a cathode and anode cooperating when energized to direct an electron beam of elemental cross section against said photoelectric face, and a collecting anode adjacent said insulating face.

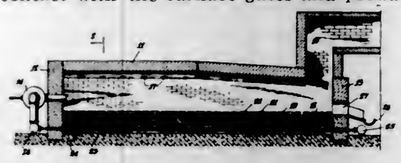
2,100,842
CHARGE STORAGE TUBE
Philo T. Farnsworth, San Francisco, Calif., assignor to Farnsworth Television Incorporated, San Francisco, Calif., a corporation of California
Application September 14, 1935, Serial No. 40,563
6 Claims. (Cl. 250—27.5)



1. A thermionic tube comprising an envelope containing a photoelectric cathode having a surface of picture area capable of emitting electrons when illuminated, a single linear electrode having a complete covering of insulating material and extending across one major dimension of said surface and spaced therefrom, a cathode and anode cooperating to produce an electron beam defined to an elemental dimension in the direction of extent of said linear electrode, and a pair of deflection plates positioned to deflect said beam along said linear electrode when energized.

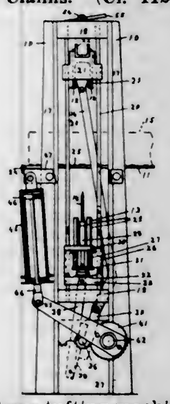
2,100,843
FURNACE FOR TREATING PHOSPHATE MATERIAL
Samuel Fischer, New York, N. Y., assignor to The American Agricultural Chemical Company, Newark, N. J., a corporation of Delaware
Application July 28, 1936, Serial No. 92,985
1 Claim. (Cl. 263—15)

A furnace for the thermal treatment of phosphate material, having bottom and side walls of refractory material and having means for delivering phosphate material into the furnace at the sides thereof to form side piles of the charge with a slag and alloy trough therebetween, air preheating piping extending through the refractory bottom wall of the furnace and wholly out of contact with the furnace gases and products



of combustion but exposed to heat passing from slag and alloy in said trough by conduction through said refractory bottom wall, means for supplying air to said piping, a burner for projecting a flame of burning fuel longitudinally of said trough, and means for delivering preheated air from said piping to the burner.

2,100,844
MATTRESS TUFTING MACHINE
William B. Foster, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a corporation of New York
Application February 5, 1936, Serial No. 62,500
7 Claims. (Cl. 112—3)

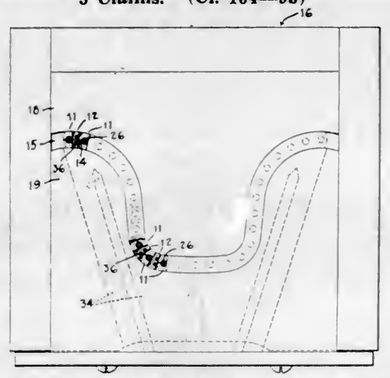


1. In a mattress tufting machine, the combination of a frame having two spaced vertical standards, a numerously-perforated mattress-supporting platform mounted horizontally between said standards, a compressor above said platform and slidingly mounted in said standards for vertical movement, a needle-carrying bar located below said platform and slidingly mounted in said standards for vertical movement, needles upstanding in said needle bar, means for lowering said compressor to compress the portion of a mattress therebelow on the platform, means for raising said needle bar and thereby pushing its needles through the apertured platform and their points through the compressed portion of the mattress and a non-automatic compressed-air operated mechanism operatively connected to said means for moving the needle-bar, said compressed air mechanism including a cylinder, a piston reciprocatingly mounted therein and air valves for passing compressed air selectively to the opposite ends of said cylinder, said valves being manually controlled for each separate reciprocation of the piston whereby the needles are raised with a yielding pressure derived from only one, separate, manually initiated and controlled stroke of the piston.

2,100,845
PRODUCT FOR INCREASING THE SLIP OF TEXTILE MATERIALS
Ehrhart Franz, Leipzig, and Max Hardtmann, Naunhof, near Leipzig, Germany
No Drawing. Application April 14, 1934, Serial No. 726,656. In Germany April 18, 1933
3 Claims. (Cl. 87—9)

1. A new product for increasing the facility of slip of textile material, consisting of an emulsion of paraffin, said paraffin having hydrophobic and slip producing properties and further being insoluble in water; a hydrophilic polar substance insoluble in water having an alkyl radical of at least 10 carbon atoms and a hydrophilic group chosen from the group of radicals which consists of the hydroxyl, the acid amide, the sulphamide and the carbamide radicals; and a hydrophilic water soluble polar compound comprising a salt of an organic acid having emulsifying properties and carrying an alkyl group having at least 10 carbon atoms as paraffinlike pole and an acid group characterized by solubility in water.

2,100,846
CUTTER FOR SHEET MATERIAL
Merle E. Halstead, Owego, N. Y.
Application September 24, 1936, Serial No. 102,383
5 Claims. (Cl. 164—93)

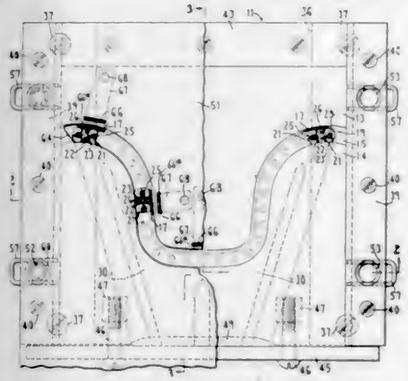


4. Punching apparatus including in combination a plurality of blocks each of which has widely spaced lugs extending from one side, and less widely spaced lugs extending from the other side, the difference in spacing of said lugs being such that the less widely spaced lugs on each block fit between the other lugs of the adjacent block, a pin extending through the overlapping lugs and pivotally connecting the blocks together into a flexible chain, separate tubular cutters extending through the top faces of individual blocks of the chain, and passages in said blocks in position to receive the punchings from the tubular punches, said passages opening through the side faces of the blocks so that the chain can be supported on a solid base plate.

2,100,847
DIE STRUCTURE
Merle E. Halstead, Owego, N. Y.
Application September 24, 1936, Serial No. 102,384
12 Claims. (Cl. 164—29)

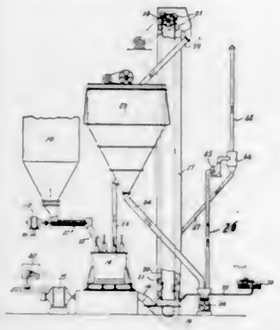
12. A cutting die comprising a flexible cutter, a base supporting the flexible cutter, members on

the base on opposite sides of the cutter and forming a channel of a given shape for holding the flexible cutter to the desired contour to be cut, means detachably securing the holding members in position so that said members are readily interchangeable with others of different contour, a stripper plate above the base and having a slot with a contour corresponding to that of the channel which holds the flexible cutter, studs ex-



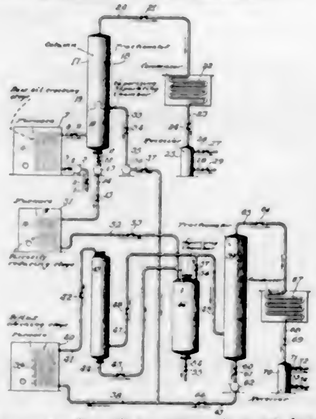
tending downward from the stripper plate, a bushing around each stud, a stop at the lower end of each stud to limit its upward movement through the bushing, a spring compressed between the stripper plate and each of the bushings for yieldably holding the stripper plate above the base and cutter, and clips extending through the base and into the bushings for detachably connecting the bushings and the base.

2,100,848
FEEDER CONTROL MECHANISM
Ralph M. Hardgrove, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application April 3, 1934, Serial No. 718,756
8 Claims. (Cl. 83—44)



7. In combination, a casing, an endless bucket elevator in said casing, means for supplying material to said casing to be raised therein by said elevator, and means responsive to variations in the air pressure in said casing effected by changes in the amount of material falling from said elevator during operation for controlling the operation of said material supplying means.

2,100,849
CONVERSION OF HYDROCARBON OILS
Jacob B. Heid, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 17, 1935, Serial No. 36,616
5 Claims. (Cl. 196—49)



1. A process for the conversion of hydrocarbon oils which comprises subjecting hydrocarbon oil charging stock containing intermediate and residual portions of petroleum to conversion conditions of cracking temperature and superatmospheric pressure in a first cracking stage, separating the resulting vaporous and liquid conversion products, subjecting the vapors to fractionation whereby their insufficiently converted components are condensed as reflux condensate, recovering a desirable light distillate from the fractionated vapors by condensation, subjecting the reflux condensate to independently controlled conversion conditions of superatmospheric pressure and relatively higher temperature in a second cracking stage of the same system, separating the resulting vaporous and liquid conversion products, subjecting the latter to further vaporization at substantially reduced pressure relative to that at which they are produced, subjecting said liquid conversion products from the first cracking stage to further relatively mild conversion at cracking temperature and superatmospheric pressure for the purpose of materially reducing their viscosity, thereby forming additional vaporous and liquid conversion products, commingling the latter with the nonvaporous conversion products from said second cracking stage and recovering the commingled residual liquids, subjecting the vaporous products from said viscosity reducing operation and from said second cracking stage to fractionation for the formation of reflux condensate, returning the latter to said second cracking stage for further conversion, subjecting fractionated vapors of the desired end-boiling point from the last mentioned fractionating step to condensation, and recovering the resulting distillate.

2,100,850
HAIR CURLER
Walter H. Hermsdorf, Chicago, Ill., assignor to Chain Store Products Corporation, Chicago, Ill., a corporation of Delaware
Application October 24, 1935, Serial No. 46,545
12 Claims. (Cl. 132—33)

1. A hair curler including a tubular body composed of a pair of elongated, substantially semi-

circular members positioned one on another and having portions cut away to form a pair of diametrically opposed, open end elongated slots for receiving a strand of hair therein, preparatory to curling, and means associated with said



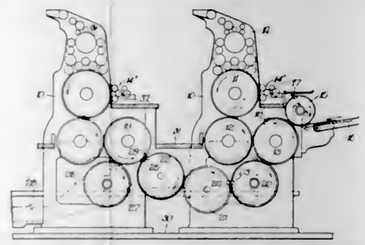
members for yieldingly urging one toward the other for causing the edges of said slots to exert slight frictional pressure on the strand of hair when it is first inserted in the slots to facilitate curling the hair around the body.

2,100,851
HAIR CURLER
Walter H. Hermsdorf, Chicago, Ill., assignor to Chain Store Products Corporation, Chicago, Ill., a corporation of Delaware
Application December 5, 1935, Serial No. 52,964
8 Claims. (Cl. 132—31)



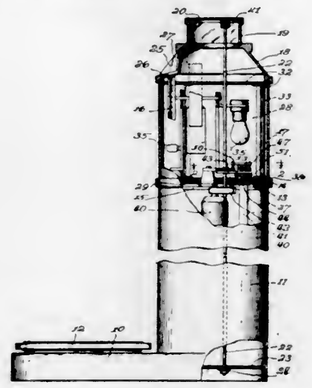
1. A hair curler which comprises, a pair of elongated members of semi-tubular form pivotally associated with each other adjacent one end, a resilient tube circumscribing said members adjacent said pivot point to resiliently urge said members into longitudinal contact with each other to grip a strand of hair between their longitudinal edges, the edges of one of said members at the end opposite the pivot being tapered to form a mouth to facilitate the introduction of a strand of hair between said members.

2,100,852
PRINTING PRESS
Arthur G. Jacobson, Chicago, Ill., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1935, Serial No. 17,383
26 Claims. (Cl. 101—137)



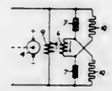
1. In a sheet fed rotary printing press, the combination of two or more substantially identical printing couples arranged for unit operation, and a plurality of rotary sheet transfer members between adjacent printing couples, each of said transfer members having an operative diameter substantially equal to that of the members constituting said printing couples, and being provided with sheet engaging elements to take a sheet from one couple and carry it past the printing member of said couple to the impression member of the succeeding couple.

2,100,853
DISPLAY DEVICE
Ode D. Jennings, Chicago, Ill., assignor to O. D. Jennings & Company, Chicago, Ill., a corporation of Illinois
Application March 4, 1937, Serial No. 128,905
3 Claims. (Cl. 40—33)



1. A display device including a column having a section consisting of a glass cylinder, a cylindrical display carriage rotatably mounted within said cylinder, illuminating means within the display carriage, means supporting said carriage for rotation, a motor and Geneva elements for rotating said carriage step by step, and a plurality of transparent or translucent displays mounted on said carriage.

2,100,854
GENERATOR REGULATION
Richard H. Kaufmann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1935, Serial No. 38,041
3 Claims. (Cl. 171—229)



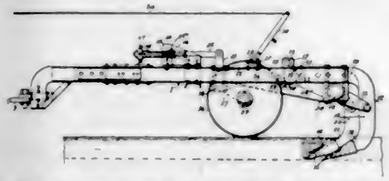
1. In combination, a variable speed driven main generator having a shunt-connected field winding the current in which is substantially affected by normal changes in voltage of said generator, an auxiliary direct current generator arranged to be driven directly from said main generator and having its armature connected in series opposition with the shunt field winding of said main generator, a field winding for said auxiliary generator connected to be energized from across the circuit of said main generator, and a two-terminal resistance element the resistance of which between said two terminals decreases substantially with increases in voltage applied between said two terminals connected in series with the field winding of said auxiliary generator so as to cause a percentage current change therein which is sufficiently greater than a percentage voltage change producing it to cause the voltage of said main generator to be substantially independent of its speed over a relatively wide range in normal operation.

2,100,855
OIL APPLICATOR
Norval Ray Kelly, Douglaston, Long Island, N. Y.
Application August 27, 1936, Serial No. 98,262
3 Claims. (Cl. 132—1)



1. An oil applicator comprising a hollow shell having an open bottom side and a top side with a cap inlet for oil and other liquids, a sponge holding shell engaged a limited distance in the open bottom of said hollow shell, a sponge in the outer side of said hollow shell, the inner wall of said hollow shell being perforated for the passage of oil and liquids from the hollow shell to the sponge, and means for controlling the seepage of the oil and liquids through said perforations, comprising a perforated disc rotatively mounted upon said inner wall and having apertures adapted to align with or be out of alignment with said perforations, said disc having a projecting element engageable with a stationary member upon said hollow shell, whereby the hollow shell may be turned relative to the sponge holding shell for moving the disc relative to said inner wall.

2,100,856
REVOLVING RIPPER
Robert Killefer, Los Angeles, Calif., assignor, by mesne assignments, to Killefer Manufacturing Corporation, a corporation of California
Application July 5, 1935, Serial No. 29,897
10 Claims. (Cl. 97—103)



1. In an implement of the kind described, the combination of a frame adapted to be advanced over the ground, a plurality of arms mounted for rotation on the frame on a transverse axis and carrying tools respectively at their lower ends, each of said arms having two extensions substantially at right angles to each other with said axis of rotation located in the angle between said extensions, movable means in the path of the arms for normally holding the said arms in a position to maintain the tools at or about the ground level, said arms capable of being revolved on the axis in a rearward direction at their lower ends, to swing them over the axis, and means carried by the arms to engage said movable member to hold the arms in an inactive position with the tools held elevated.

2,100,857
DEVICE AND METHOD FOR ACQUIRING RHYTHM IN STUDY OF MUSIC
Boris M. Lang, Fairfield, Conn.
Application May 1, 1935, Serial No. 19,204
7 Claims. (Cl. 84—484)

1. In a device of the character described, a series of blocks of which different individual blocks are of different relative lengths corresponding to the relative time values of different musical notes, a holder having means to hold a series of these blocks in end to end relation, said blocks having means to provide a break in the continuous surfaces of the blocks at the joints



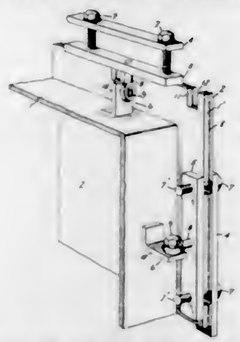
between them, and a sounding device to be moved over the blocks lengthwise thereof and adapted to sound a beat as it passes over a break.

2,100,858
CONTAINER
Ernest A. Lenk, Philadelphia, Pa., assignor of one-half to George H. Morningstar, Philadelphia, Pa.
Application September 23, 1935, Serial No. 41,672
5 Claims. (Cl. 206—44)



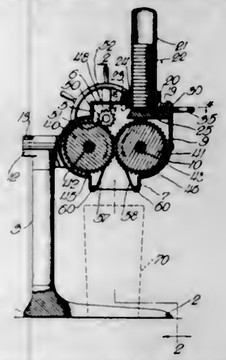
1. A container comprising a base, an upstanding band having means for securing same to said base, a closure extending across the top and over the outside of said band and the peripheral edge of said base, and a cylindrical ring having a preformed bead for engaging the closure and holding same securely against said base, said cylindrical ring being of substantial height and having its bottom portion continuous, and having diagonal scorings therein to enable the cylindrical edge to be turned inward to impinge the bottom of said base to hold same in position.

2,100,859
CLAMPING AND SEALING DEVICE
Leonard J. Linde, Aldan, Pa., assignor to General Electric Company, a corporation of New York
Application December 28, 1934, Serial No. 759,556
6 Claims. (Cl. 292—256)



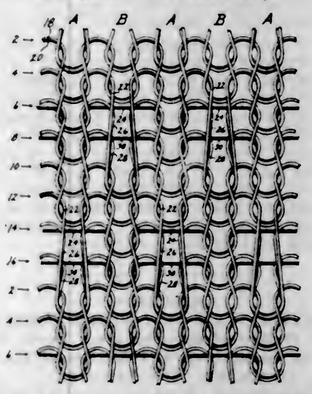
1. A clamping and sealing device for relatively movable members comprising a clamping strip mounted for lateral movement on one of said members, a second clamping strip movable with said first-named strip, said members positioned between said clamping strips in clamping position, and means for drawing together said strips for sealing said members.

2,100,860
TABLET CRUSHING AND DISPENSING DEVICE
Frederick A. Lobley, Elkhart, Ind., assignor to Dr. Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
Application February 25, 1933, Serial No. 658,514
13 Claims. (Cl. 83—12)



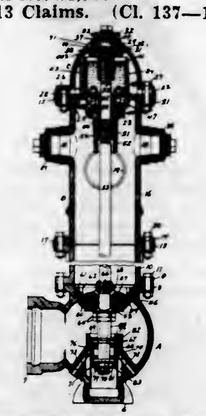
1. A portable dispensing and crushing machine adapted for counter use for preparing material in tablet form for drinks and the like comprising a substantially closed container comprising an inverted tubular bottle adapted for holding the tablets, a substantially closed casing having a short tubular socket with a resilient annular sealing and gripping ring mounted therein and into which the lower portion of said container extends and is resiliently held and sealed, means in said casing for crushing said material, and feeding means comprising a reciprocable slide operating within said casing for carrying and delivering given quantities of the material within the casing from the lower portion of said container laterally to said crushing means along a path of movement within said casing which is normally inaccessible to contamination and the like.

2,100,861
KNITTED FABRIC
Elmer C. Lochhead, Moberly, Mo., assignor of one-half to Charles R. Henderson, Moberly, Mo.
Application October 27, 1932, Serial No. 639,761
4 Claims. (Cl. 66—198)



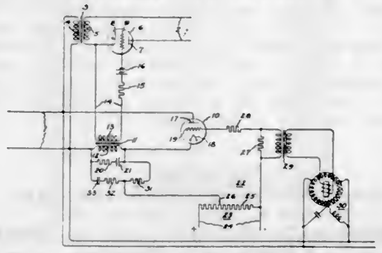
1. A knitted run-resist fabric, at least a portion of substantial area of which includes two yarns and has in each wale a periodically recurring series of stitches including, in one course, a tuck stitch including both yarns, in the next course a tuck stitch including one yarn with the other yarn floating, in the next course a normal stitch of the first yarn with the second yarn floating and in a plurality of subsequent courses normal stitches including both yarns, the tucks and floats in alternate wales occurring in courses in which normal stitches of both yarns occur in intermediate wales.

2,100,862
FIRE HYDRANT
Herbert M. Lofton, Chattanooga, Tenn.
Original application March 2, 1933, Serial No. 659,293. Divided and this application June 4, 1935, Serial No. 24,937
13 Claims. (Cl. 137—13)



1. In a fire hydrant having a bonnet, a main valve, a reciprocating valve rod, a rotatable nut for reciprocating the valve rod, and an oil reservoir surrounding a part of said valve rod, said valve rod when at its lowest position being adapted to entrap oil in said nut and when raised to distribute said entrapped oil to lubricate the valve operating mechanism.

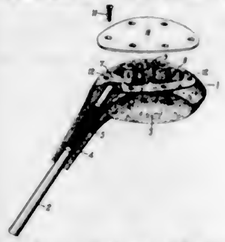
2,100,863
ELECTRIC VALVE CIRCUIT
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 31, 1936, Serial No. 108,645
11 Claims. (Cl. 250—27)



1. In combination, an alternating current circuit, an electric valve means connected therein, and means for rendering said electric valve means conductive at a predetermined time during a predetermined half cycle of voltage of a pre-

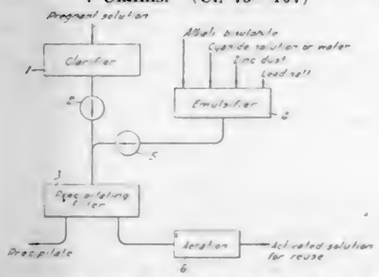
determined sign being responsive to an electrical condition of said electric valve means for advancing the time during successive half cycles of voltage of the same sign at which said electric valve means is rendered conductive.

2,100,864
GOLF CLUB AND METHOD OF MAKING SAME
Clarence W. Mansur, Malden, Mass., assignor to General Electric Company, a corporation of New York
Application May 19, 1932, Serial No. 612,268
10 Claims. (Cl. 273—77)



1. A golf club comprising a hollow steel shaft and a head molded directly onto an end of the shaft, said head comprising relatively small pieces of woven textile material united and held in a highly compressed state by an artificial resin.

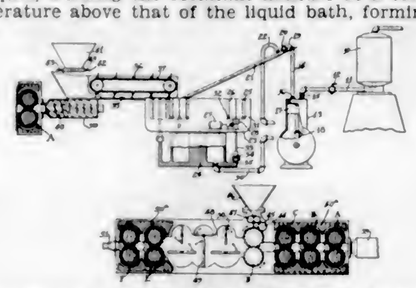
2,100,865
CYANIDE PROCESS
Louis D. Mills and Thomas B. Crowe, Palo Alto, and Joye C. Haun, San Francisco, Calif., assignors to The Merrill Company, San Francisco, Calif., a corporation of California
Application June 3, 1935, Serial No. 24,596
7 Claims. (Cl. 75—107)



1. In a process for the treatment of alkaline cyanide solution containing dissolved precious metals, to effect precipitation of the same, mixing zinc dust with alkali bisulphite in aqueous solution, whereby only a part of the zinc reacts with alkali bisulphite to form hydrosulphite, and then introducing the resulting mixture into the cyanide solution to be precipitated.

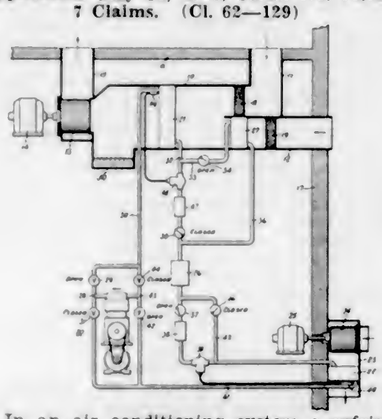
2,100,866
MANUFACTURE OF OLEOMARGARINE
Howard A. Morris, Toledo, Ohio
Application March 27, 1935, Serial No. 13,291
2 Claims. (Cl. 99—122)

1. The method of continuously and uniformly producing margarine, which consists in spraying predetermined charges of emulsion into a cold liquid bath of maintained temperature to form granular particles, centrifuging said particles and liquid to remove a predetermined quantity of the liquid, working the resultant mixture at a temperature above that of the liquid bath, forming



depressions in said mixture, filling said depressions with milk to insure uniform charges of the latter to the mixture, and again working said mixture.

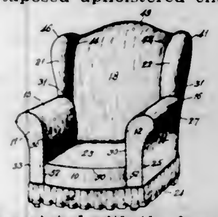
2,100,867
AIR CONDITIONING SYSTEM
Olaf M. Olson, Margate, N. J., assignor to General Electric Company, a corporation of New York
Application July 31, 1936, Serial No. 93,613
7 Claims. (Cl. 62—129)



1. In an air conditioning system a refrigerating machine including a condenser and an evaporator, means including a duct for circulating air over said condenser to heat said air, means for circulating cooling fluid over said evaporator, means including a heat exchange element arranged in front of said condenser for cooling refrigerant liquefied in said condenser and for heating air circulated through said duct prior to its passage over said condenser, means for reversing the refrigerant circuit of said refrigerating machine to cool the air passing through said duct, and means by-passing said heat exchange element for excluding said element from the circuit of said refrigerating machine when said circuit is reversed.

2,100,868
SLIP COVER FOR FURNITURE
Arthur Oppenheimer, Jr., New York, N. Y.
Application September 4, 1935, Serial No. 39,092
6 Claims. (Cl. 155—182)

6. An upholstered chair comprising a seat portion, a back portion and arms, a covering for said chair comprising a cover portion for the inner and outer surfaces of the back portion of the chair, compartment portions for both the inner and outer surfaces of said arm portions of the chair, and a covering portion for the top surface of the seat portion of the chair, said covering portions being connected, said covering comprising material inherently stretchable in both directions whereby the covering may be drawn over the chair under tension both in the direction of the width and the length of the chair, the portion of said cover overlying the top edge of the back portion being under tension and in close surface engagement with said top edge of the back portion, said cover including surplus material tucked between the lower front surface of the back portion and the rear surface of the seat portion and on both sides of the chair between the side surfaces of the seat portion and the lower portions of the chair arms, said tucked-in portions being retained in such tucked-in position by frictional engagement of said cover material and the juxtaposed upholstered chair material,



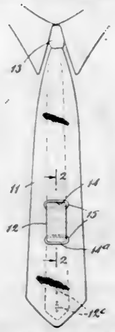
and means associated with the lower portions of the cover for securing the same relative to the bottom of the chair, the respective portions of said covering overlying the back, arm and seat portions of the chair being in frictional surface engagement with the said corresponding portions of said chair and tightly stretched over the said chair portions, the portions of the covering during the use of the said chair stretching to conform to the contour of such portions of the chair which are depressed from their normal configuration and resuming their normal condition when the depressed portions of the chair return to their normal contour, the frictional and tensional surface contact between the upholstering material and the stretchable material of said covering retaining said materials in substantially smooth, wrinkleless relation when said chair-back and seat are released from the depressive action resulting from the use of the chair.

2,100,869
GARMENT
Robert S. Oscard, New York, N. Y., assignor to H. Loeb & Co., Inc., New York, N. Y.
Application June 30, 1936, Serial No. 88,105
3 Claims. (Cl. 2—90)



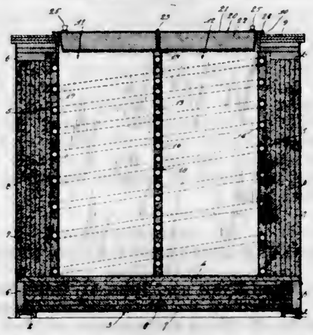
1. A garment comprising a top having the form of a shirt and a bottom in the form of a crotch-piece, the bottom of the front of the shirt having an arcuate-like opening, the marginal edges of the crotch-piece and the opening having a binding, elastics disposed in the binding of the crotch-piece and terminating at said opening, and means for fastening the crotch-piece to the edge of said opening.

2,100,870
NECKTIE
Edward R. Petrie and Nellie M. Petrie, New York, N. Y.
Application May 9, 1936, Serial No. 78,764
14 Claims. (Cl. 2—145)



1. A necktie of the class described consisting of inner and outer end portions arranged one upon another when the tie is in use, the outer end portion of the tie having an opening extending therethrough, said opening forming a passage opening through both side surfaces of said outer end portion, and a part of the inner end portion of the tie being adapted to pass outwardly through said opening and be exposed at the outer surface of the outer end portion of the tie.

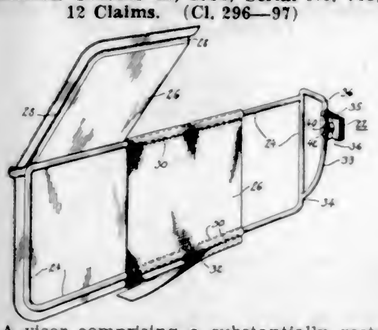
2,100,871
CABINET
Louis A. M. Phelan, Chicago, Ill., and Lawrence E. Koch, Beloit, Wis.
Application October 21, 1935, Serial No. 45,864
3 Claims. (Cl. 62—99)



1. A cabinet of the character described comprising an insulated box having two elongated and closely adjacent unobstructed open top rectangular longitudinal chambers therein with a thin partition therebetween, a refrigerant conduit in said partition, a plurality of reversible pairs of freely removable transversely opening

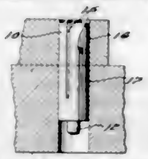
doors covering said open top, each pair of doors being hinged together in the plane of said partition and having their outer ends supported by the side walls of said cabinet and their inner ends supported by said partition and cooperating therewith to seal said chambers.

2,100,872
VISOR CONSTRUCTION
Meredith S. Randall, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application October 12, 1934, Serial No. 748,049
12 Claims. (Cl. 296—97)



5. A visor comprising a substantially rectangular wire frame carrying a panel and having at one end a supporting arm extended transversely of and laterally offset from the frame of the visor and being rigid with said visor frame and a supporting bracket slidably and rotatably engaging said arm.

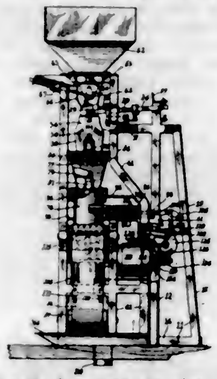
2,100,873
DOWEL STRUCTURE
Russell M. Roberts, Detroit, Mich.
Application December 28, 1935, Serial No. 56,444
3 Claims. (Cl. 85—2.8)



1. A dowel pin construction comprising an integral cylindrical body provided with a uniformly tapered bore and a plurality of slots extending completely through the cylinder wall and extending from each end to points beyond the center of said body, the slots extending from one end being circumferentially spaced relative to the slots extending from the other end, and a correspondingly tapered pin receivable in said bore, said pin being of greater length than said cylindrical body.

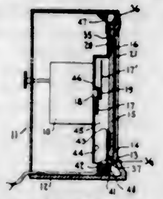
2,100,874
AUTOMATIC WEIGHING AND FEEDING MACHINE
William Miles Ryan and John W. Bold, Brooklyn, N. Y., assignors to Ryan Coffee Corporation, Brooklyn, N. Y., a corporation of New York
Application August 21, 1934, Serial No. 740,738
14 Claims. (Cl. 248—18)

1. Apparatus of the type described which comprises weighing mechanism having a series of independently actuated weighing buckets and discharge means therefor, individual supply means for each of said buckets, means to close said supply means when said buckets have a predetermined weight of material and timed means to actuate said discharge means simultaneously, means actuated by predetermined weight of material in said buckets to control said discharge



means, and means to move a series of containers corresponding to said series of weighing buckets into position to receive material from said buckets between each discharging interval in timed cyclic sequence.

2,100,875
ILLUMINATED MEASURING DEVICE
Francis H. Scantlebury, Brooklyn, N. Y.
Application July 18, 1935, Serial No. 32,069
3 Claims. (Cl. 240—2.1)

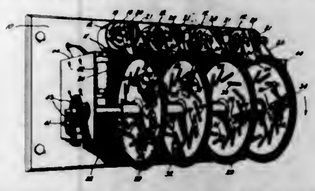


1. An illuminated measuring device, comprising a light-transmitting plate bearing configurations spaced over its outer face and having intermediate clear spaces, and individual separated light-refracting portions on its opposite face with opaque backing, said portions being located directly behind the corresponding configurations to afford individual illuminated fields for the respective configurations, an element movable in cooperative relation to the configurations and forming therewith a visible ensemble, and a source of light invisible from the front of the device and so located therein that part of the light rays therefrom pass into the configuration-bearing plate through an edge thereof to edge-illuminate the light-refracting field portions and from these the respective configurations, while other rays serve to illuminate the movable element.

2,100,876
CONTROL DEVICE
Elbert D. Schneider, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application August 27, 1936, Serial No. 98,199
12 Claims. (Cl. 74—70)

1. A time-cycle control device comprising control means including a movable element, a pair

of movable arms disposed in substantially parallell planes, means forming driving connections between each of said arms and said movable element, a rotatable disk disposed adjacent said arms, a plurality of cams secured to said disk for selectively engaging said arms as said disk



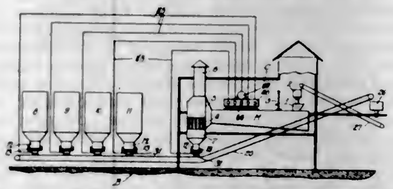
rotates, means for rotating said disk, and means for adjusting said cams relative to each other to vary the respective times at which said movement of said arms is initiated by said cams, and relative to said disk to vary the rate of movement of said arms by said cams and the amount of said movement.

2,100,877
MILK STOOL
Myron Severance, Rochester, Mich.
Application January 9, 1936, Serial No. 58,245
18 Claims. (Cl. 31—56)



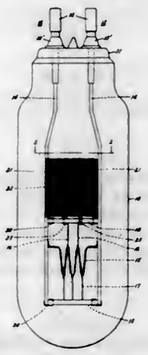
5. In a milk stool, the combination of a seat member having a well portion extended to form a hollow roll-over edge portion extending around the periphery of said seat member, said hollow roll-over edge portion being open at its inner side to facilitate use as a handle member for the milk stool, and leg members connected with inside surfaces of said hollow roll-over edge portion of said seat member.

2,100,878
SINTERING SYSTEM
Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application May 8, 1935, Serial No. 20,319
7 Claims. (Cl. 221—122)



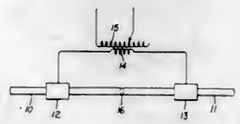
5. In a system for supplying granular-like materials having different rates of flow, for producing a mixture thereof in desired proportions, a plurality of bins containing the materials, a conveyor, and remotely controlled electrically actuated means comprising control rheostats and effective for delivering materials from said bins to said conveyor in predetermined proportionate amounts and selectively varying at will the rate of delivery of material from the individual bins during and independently of the rate of continued delivery of materials from the remainder of said bins.

2,100,879
ELECTRIC LAMP
Richard E. Smith, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application July 29, 1936, Serial No. 93,236
4 Claims. (Cl. 176—16)



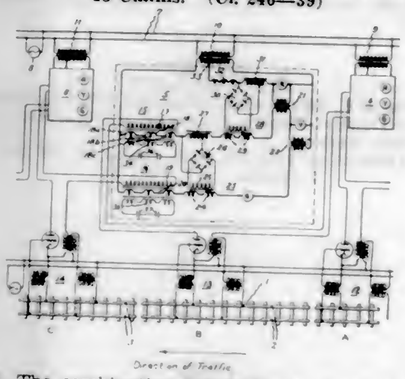
1. An electric lamp comprising a bulb having a gaseous atmosphere therein, a metallic light source in said bulb defining a substantially vertical plane and a flat screen located substantially in the plane of said light source and above said light source when the lamp is in use so as to extend along the path of particles vaporized from said light source.

2,100,880
METHOD OF FLASH WELDING
Numan R. Stansel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 2, 1936, Serial No. 57,131
5 Claims. (Cl. 219—10)



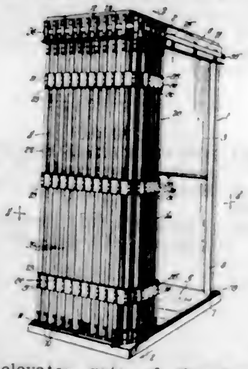
1. The method of flash welding steel which includes the step of storing heat in the end portions of the parts to be welded prior to the welding operation by passing current through said parts and an interposed element fusible at a temperature below the critical range of temperature of said parts until said element begins to fuse, the quantity of heat stored in the end portions of said parts being sufficient to lower the hardness of the resulting weld by effectively delaying the rate of cooling of the metal in the welding zone after the weld has been completed.

2,100,881
SIGNAL SYSTEM
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1936, Serial No. 68,405
13 Claims. (Cl. 246—39)



1. The combination comprising a plurality of signals, means for de-energizing one of said signals by current supplied from the energizing circuit of a second of said signals, and additional means for de-energizing said second signal when the normal energizing circuit of said first signal is broken.

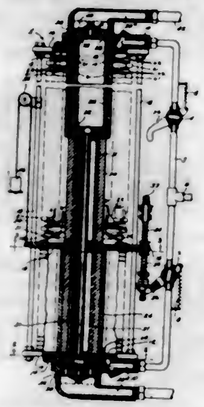
2,100,882
ELEVATOR GATE
Joseph C. Tamsitt, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application April 27, 1936, Serial No. 76,536
3 Claims. (Cl. 39—86)



1. In an elevator gate of the around-the-corner type, a plurality of vertically disposed bars spaced apart in the direction of gate travel, and a plurality of flexible non-metallic horizontal bands of sound deadening material connected to the bars and having sufficient thickness to maintain the bars in spaced apart relation and to prevent being kinked in operation.

2,100,883
APPARATUS FOR COOLING SYSTEMS
Edward Tauer, Bellerose, N. Y.
Application September 8, 1936, Serial No. 99,832
8 Claims. (Cl. 62—126)

1. A device of the class described comprising a pair of expansible and collapsible compartments, and means for introducing a refrigerating medium into said compartments alternately.

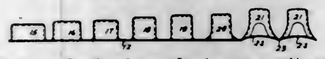


2,100,884
APPARATUS FOR MAKING BRANCH CONNECTIONS
William W. Trickey, Verona, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey
Original application January 29, 1934, Serial No. 708,799, now Patent No. 2,050,985, dated August 11, 1936. Divided and this application November 21, 1935, Serial No. 50,927
7 Claims. (Cl. 285—108)



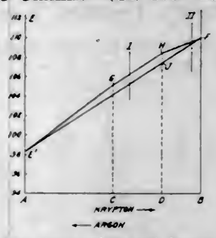
1. Apparatus for making a branch connection with a reinforced concrete pipe of the steel cylinder type having a concrete exterior, comprising in combination, a saddle for supporting the branch connection, said saddle having a bearing surface for contacting with the exterior wall of the concrete pipe with which connection is to be made, and an opening to frame an area of the exterior wall of the concrete pipe, a connector pipe carried by said saddle, means for supporting the saddle and connector pipe with the bearing surface of the saddle held against the exterior wall of the concrete pipe, said supporting means including bands adapted to be tensioned about the exterior of the concrete pipe, a tubular gland mounted within the opening in said saddle and adapted to extend beyond said opening and below the exterior surface of the concrete pipe against which the saddle is to rest, said gland and connector pipe together forming a conduit through the saddle for the conveyance of fluid between the interior of the concrete pipe and the connector pipe, and means carried by the connector pipe for maintaining the gland in sealing position against an interior portion of the wall of the concrete pipe to which connection is to be made.

2,100,885
METHOD FOR PRODUCING METALLIC WHEELS
John T. Trumble, Detroit, Mich.
Application September 10, 1932, Serial No. 632,505
15 Claims. (Cl. 29—159.03)



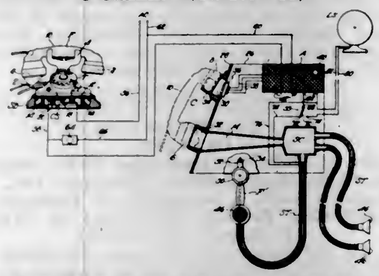
1. The method of producing a unitary spoke spider for vehicle wheels from a single strip of sheet metal which comprises die drawing the metal at spaced intervals to form a plurality of hollow elongated spoke members closed at their outer extremities, bending the strip into hoop form with the spoke members extending radially therefrom, and securing the adjacent ends of the strip of metal together whereby to preserve the hoop formation thereof.

2,100,886
ELECTRIC INCANDESCENT LAMP
Johannes A. M. van Liempt, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application March 17, 1937, Serial No. 131,464
In Germany April 15, 1936
3 Claims. (Cl. 176—16)



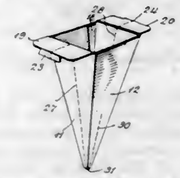
1. An electric incandescent lamp having a gas filling consisting of krypton, argon and nitrogen, the amount of nitrogen being not more than twenty-five per cent by volume of the mixture, and the amount of krypton in the remaining krypton-argon mixture being between sixty per cent and ninety-five per cent by volume.

2,100,887
INTERIOR TELEPHONE EQUIPMENT
Richard Varley, St. George, Staten Island, N. Y., assignor to Inter-Outer Telephone Corporation, Dover, Del., a corporation of Delaware
Application August 31, 1935, Serial No. 38,691
6 Claims. (Cl. 179—81)



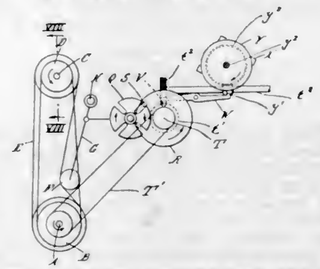
5. A unitary telephonic device adapted to be acoustically coupled to a French type telephone instrument of a public telephone system but electrically independent thereof, comprising in combination, a cabinet having openings in one of its walls so spaced as to correspond to the spacing of the transmitter and receiver of said French type telephone instrument, a microphone disposed adjacent one of said openings, a speaking tube having a mouthpiece at its free end and its other end terminating adjacent the other of said openings, an electronic amplifier connected to said microphone, an auxiliary receiver and a loud speaker, and selective means for connecting either said auxiliary receiver or said loud speaker to said electronic amplifier.

2,100,888
COLLAPSIBLE PAPER FUNNEL CONSTRUCTION
Oscar L. Vine, New York, N. Y.
Application January 27, 1936, Serial No. 60,974
10 Claims. (Cl. 226—38)



1. A collapsible paper funnel construction consisting of a plurality of triangular sections, one of which is provided with a flap extension to hold the funnel extended when it is being utilized, said triangular section and said flap extension being provided with a continuous crease enabling said triangular section and flap extension to be folded together and said paper funnel to be collapsed when the flap extension is in the same plane as said triangular section and said flap extension causing extension of said funnel when the flap extension is turned away from said triangular section.

2,100,889
SPEED CHANGING MECHANISM
Axel Charles Wickman, Coventry, England
Application April 12, 1935, Serial No. 15,992
In Great Britain April 13, 1934
10 Claims. (Cl. 74—217)



1. In speed changing mechanism, the combination of a driving shaft, a first group of belt pulleys carried thereby, a driven shaft, a second group of belt pulleys complementary to the first group of belt pulleys, undirectional means on said driven shaft supporting said second group of pulleys, belts for transmitting a drive from each belt pulley on the driving shaft to the corresponding opposite belt pulley on the drive shaft, said belts normally slack and inoperative, a complementary group of jockey pulleys, pivoted levers carrying said jockey pulleys, intermittent rotating

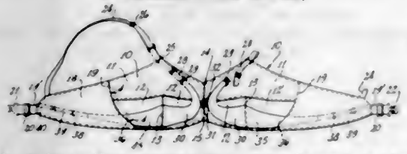
means to actuate each of said levers in a predetermined sequence to press one of said jockey pulleys against one of said belts to tension said belt so as to transmit rotation to said driven shaft, and power driven timing mechanism to control the movements of said intermittent rotating means, said timing mechanism including a clutch, a constantly rotating drum, and means operable by said drum to engage and disengage said clutch.

2,100,890

BRASSIÈRE

Max Witkower, Santa Monica, Calif.

Application May 28, 1937, Serial No. 145,282
5 Claims. (Cl. 2—42)



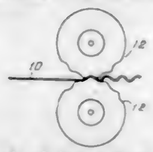
1. A brassière comprising: two breast pockets connected to each other; a band attached to each breast pocket adapted to pass around the body of the wearer; means for detachably connecting the free ends of the bands together; shoulder straps attached to the breast pockets and the bands; a supporting means on each breast pocket secured at one end to the central lower portion of the breast pocket and at its other end to the upper portion of the same breast pocket, the supporting means intermediate its ends extending toward the center of the brassière; and means on the brassière between the pockets for movably attaching said supporting means together.

2,100,891

METHOD OF DRAWING FIBROUS THERMOPLASTIC SHEET MATERIAL

Paul R. Zinser, Detroit, Mich., assignor to Woodall Industries, Incorporated, Detroit, Mich., a corporation of Michigan

Application February 19, 1936, Serial No. 64,632
7 Claims. (Cl. 18—56)



1. That method of imparting a permanently deformed shape to a sheet of composition fibrous thermoplastic material which includes the preparatory step of subjecting the sheet to an operation which imparts progressively and successively a multiplicity of relatively small deformations thereto without appreciable stretching of the sheet and thereafter shaping said corrugated portion of the sheet flattening out said corrugations.

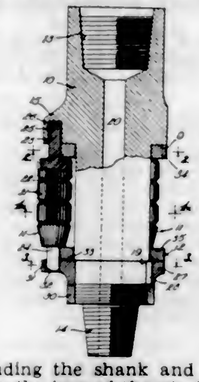
2,100,892

WELL REAMER

Walter A. Abegg, Los Angeles, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application October 2, 1936, Serial No. 103,625
14 Claims. (Cl. 255—73)

1. A well reamer including, a shank, roller cutters spaced about the shank, pins projecting from the opposite ends of the cutters, and rotatable



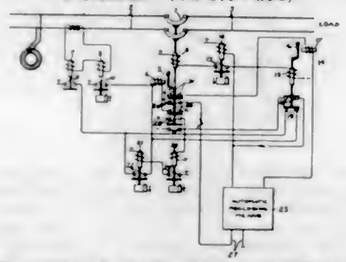
rings surrounding the shank and engaging the pins to receive the inward thrusts from the pins.

2,100,893

AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM

Arvid E. Anderson, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application September 11, 1936, Serial No. 100,289
6 Claims. (Cl. 175—294)



1. In combination, an electric circuit, a circuit breaker in said circuit, means responsive to a predetermined abnormal condition of said circuit, means for effecting the reclosing of said circuit breaker when it is open, and means controlled by said abnormal condition responsive means for effecting the opening of said circuit breaker in one predetermined manner prior to a predetermined opening of said circuit breaker and in a different manner after said predetermined opening and prior to a predetermined subsequent opening and in said first-mentioned predetermined manner after said subsequent opening when all of said circuit breaker openings occur within a predetermined time interval.

2,100,894

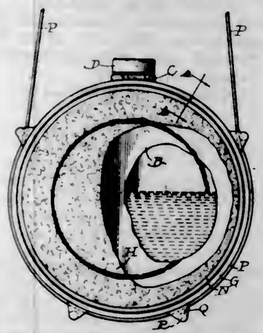
CANTEEN

Frank E. Anderson, Inglewood, Calif., assignor to Boyle Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California

Application July 16, 1935, Serial No. 31,652
4 Claims. (Cl. 220—1)

1. In a structure of the class described, the combination of container having an annular wall and end walls joined by seams forming annular beads, projecting angularly beyond the corners formed by said walls, a fabric material covering the walls of said container and arranged with

margins overlapping said beads, and annular channeled members enclosing said beads and con-



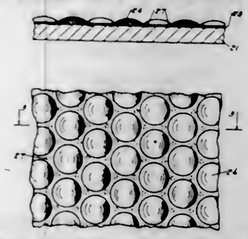
tracted into engagement with said seams and the margins of said fabric.

2,100,895

LINING FOR VESSELS

Harold R. Austin, South Norwalk, Conn., assignor to The M. W. Kellogg Co., New York, N. Y., a corporation of Delaware

Application October 9, 1935, Serial No. 44,136
5 Claims. (Cl. 196—133)



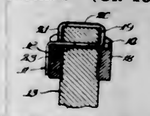
1. A vessel comprising a shell of comparatively low corrosion resistant material, a thin interior lining for said shell of comparatively high corrosion resistant material, said lining having portions thereof approaching the segmental spherical form and extending away from the vessel walls to provide stress relieving areas, said stress relieving areas being systematically distributed over the entire surface of said lining on a recurring parallelogram pattern with said areas centered on the corners of the said pattern, and means symmetrically positioned relative to said areas bonding said lining to said shell.

2,100,896

COTTER PIN

Bertram C. Behnke, Chicago, Ill.

Application June 1, 1937, Serial No. 145,776
9 Claims. (Cl. 151—5)



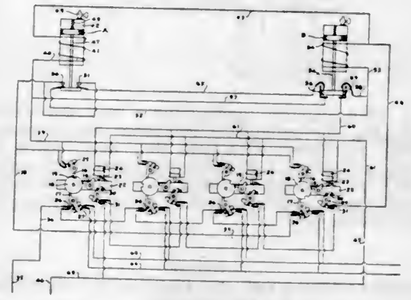
8. The combination of a threaded stud having a hole therethrough, and a slot at its end parallel to said hole, a nut screwed on the stud and having notches adapted to be alined with the hole, and a cotter pin having two legs, one extending from the junction of the legs through the hole, through a notch on the far side of the hole, and bent to extend along the nut parallel to the axis of the stud, and the other of the legs extending over the stud through the slot and along the stud in a direction parallel to the axis of the stud.

2,100,897

LOCKING SYSTEM

Maurice D. Bennett, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application April 3, 1935, Serial No. 14,426
38 Claims. (Cl. 70—263)



1. In a system of the class described, a structure to be locked, means for locking said structure against access, a time mechanism, a second time mechanism, means whereby said first time mechanism controls the operation of said structure locking means to permit the opening of the locked structure after the expiration of a predetermined time period, and means whereby said second time mechanism controls the said structure locking means to prevent opening of the locked structure regardless of the expiration of said predetermined time period.

2,100,898

LUNG EXERCISING TOY

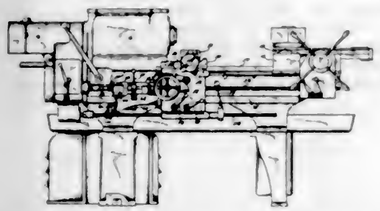
Willis J. Bernett, Kansas City, Mo.

Application March 11, 1936, Serial No. 68,279
8 Claims. (Cl. 273—95)



1. In a blow toy, a chamber having a transparent side wall portion and a bottom, a figure provided with a pocket within said chamber, a ball of light weight material adapted to seat in said pocket also mounted in said chamber, means for blowing a stream of air into said chamber through a discharge opening located in the bottom thereof, and means for confining said ball in said chamber.

2,100,899
MACHINE TOOL
William J. Burger, Shaker Heights, and Chrysanth M. Mirossay, Cleveland, Ohio, assignors to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application September 18, 1936, Serial No. 101,454
12 Claims. (Cl. 82—5)

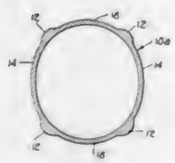


1. In a machine tool having a way and a slide movable therealong, a rotatable shaft operatively associated with said slide and having an integral splined non-threaded portion for operating the feed drive to said slide and an integral threaded non-splined portion for moving the slide for threading.

2,100,900
PRODUCTION OF INTERPOLYMERIZATION PRODUCTS
Hans Fikentscher, Ludwigshafen-on-the-Rhine, and Josef Hengstenberg, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 7, 1935, Serial No. 53,434. In Germany December 9, 1933
8 Claims. (Cl. 260—2)

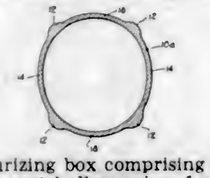
1. In the production of inter-polymerization products by polymerizing in an aqueous emulsion at least two polymerizable unsaturated organic compounds of different speeds of polymerization the step which comprises adding the compound having the higher speed of polymerization at about the rate at which it is used up to the compound having the lower speed of polymerization.

2,100,901
METHOD OF MAKING A CARBURIZING BOX WITH CENTRIFUGALLY CAST SIDE WALLS
Henry H. Harris, Champaign, Ill.
Application May 17, 1935, Serial No. 21,926
6 Claims. (Cl. 29—148.2)



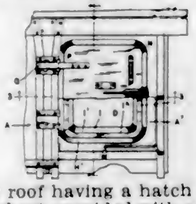
1. The process of making a carburizing box which comprises the steps of centrifugally casting a long generally cylindrical tubular member, deforming the cylindrical tube while still hot into substantially prismatic shape, cutting off sections equal in length to the side walls desired for said carburizing box, and forming a separate head member corresponding in shape to the said side walls member, and thereafter welding said head to said member to close one end of said box.

2,100,902
CARBURIZING BOX WITH CENTRIFUGALLY CAST SIDE WALLS
Henry H. Harris, Champaign, Ill.
Original application May 17, 1935, Serial No. 21,926. Divided and this application March 30, 1936, Serial No. 71,577
2 Claims. (Cl. 263—49)



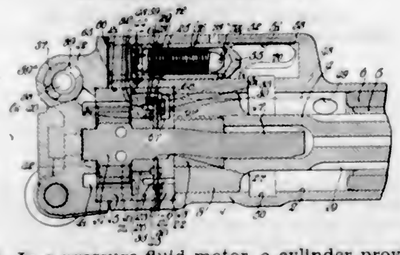
1. A carburizing box comprising a many-sided centrifugally cast hollow prism forming the side walls portion of said box, said sides being substantially flat and having substantially integral thickened parts extending lengthwise thereof at the outside defining corners of the box and having a head member of similar shape welded thereto for closing an end thereof.

2,100,903
HATCH FRAME CONSTRUCTION FOR CAR ROOFS
David W. Hawksworth, Birmingham, Mich., assignor to Chicago-Hutchins Corporation, a corporation of Delaware
Application February 3, 1936, Serial No. 62,199
6 Claims. (Cl. 108—5)



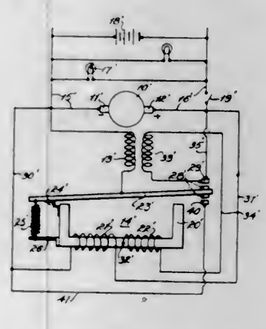
1. In a car roof having a hatch opening therein, a roofing sheet provided with an upwardly extending continuous annular flange surrounding said opening, a hatch frame having a depending portion within said opening and an outwardly extending flange overlapping said annular flange, and securing means for said hatch frame outside of said depending portion passing downward through said roof and secured on the inner side thereof.

2,100,904
PRESSURE FLUID MOTOR
Mervin Chester Huffman, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 12, 1932, Serial No. 632,728
11 Claims. (Cl. 121—19)



1. In a pressure fluid motor, a cylinder providing a piston chamber, a piston reciprocable in said chamber, and fluid distribution means for effecting reciprocation of said piston including a valve chest having a valve chamber, an annular disc valve reciprocable in said valve chamber, a pair of concentric annular recesses formed in the valve chest at one side of the valve chamber, three concentric annular recesses formed in the valve chest at the opposite side of the valve chamber, annular seats surrounding certain of said annular recesses against which the opposite faces of the valve are adapted to seat, passage means connecting one of said pair of recesses with one end of the piston chamber, passage means connecting one of said three recesses with the opposite end of the piston chamber, and passage means for supplying pressure fluid to all of said other recesses at the opposite sides of the valve chamber, said fluid distribution means including means for conducting pressure fluid from one of said three concentric recesses to both of said recesses at the opposite sides of the valve chamber with which said first and second mentioned passage means communicate.

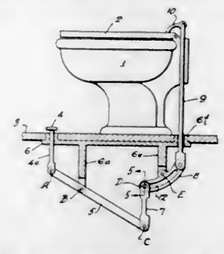
2,100,905
GENERATOR REGULATION
Bennett M. Leece, Shaker Heights, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application April 24, 1936, Serial No. 76,103
9 Claims. (Cl. 171—223)



1. In combination a generator having a shunt field winding of normal polarity, a regulator having magnet coils energized from the generator and cooperating contacts adapted to be opened and closed, a field winding of reverse polarity adapted when energized to magnetically oppose the normal polarity field winding of the generator, and means connecting said reverse polarity field winding and one of the magnet coils in series with each other across said contacts.

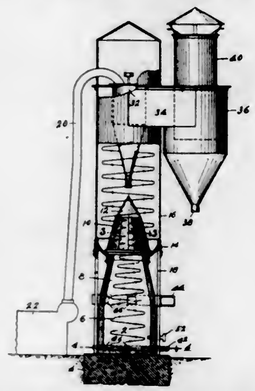
2,100,906
SEAT AND SEAT COVER ACTUATING MECHANISM FOR TOILETS
Emil Lefkowitz, Comstock, N. Y.
Application December 17, 1935, Serial No. 54,873
6 Claims. (Cl. 4—251)

1. Means for raising and lowering the hinged seat or cover part of a water closet bowl, comprising such a hinged part, a bracket secured to said hinged part and carrying a pivot located rearwardly of the horizontal axis of pivotal movement of said hinged part, a rocking lever having therein a U-shaped slot and pivoted intermediate its ends on a fixed horizontal axis, a link connecting one end of the rocking lever to the pivot on said bracket, a foot operable lever and a link



connected to the lever and having a follower operable within the slot of the rocking lever.

2,100,907
APPARATUS FOR MANUFACTURING DRIED FEED
Wallace L. McGehee and Harold W. Luhnow, Kansas City, Mo.
Application January 20, 1936, Serial No. 59,935
15 Claims. (Cl. 34—34)

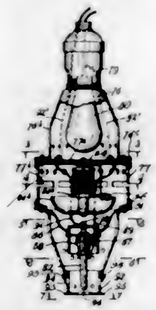


1. In an apparatus of the character described, a vertically-disposed furnace, a burner in the furnace, an air duct having an outlet communicating with said furnace and arranged at a tangent to the inner surface of the latter, a dehydrating chamber arranged axially above and communicating at its lower end with said furnace to serve as a flue for the furnace, baffles at the zone of connection between said furnace and said dehydrating chamber, and means for discharging green feed material into said dehydrating chamber.

2,100,908
COMBINED LIGHT AND FIRE ALARM CASING
Alexander Merdan, New York, N. Y.
Application June 26, 1936, Serial No. 87,369
3 Claims. (Cl. 177—7)

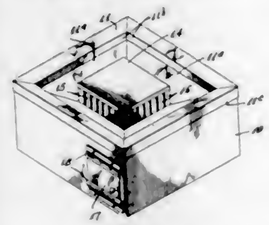
1. In a combined light and fire alarm casing, a base member, a bell mounted thereon, a clapper mechanism coaxially mounted on said bell, a tubular casing supported on said clapper mechanism and encasing said clapper mechanism and being slightly spaced from said base member forming a space through which the edge portion of said bell projects, a housing section fixedly

mounted on said base member and partly encasing said bell, and a second housing section adjustably mounted on said tubular casing and being adapted to cooperate with said housing section to completely encase said bell, whereby said



adjustable housing section may be adjusted and held in a fixed position in relation to said housing section to control the amount of sound that will emanate from said device.

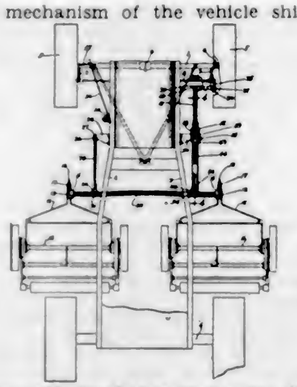
2,100,909
AUTOMATIC ROACH TRAP
Arnulfo Mora, El Paso, Tex.
Application September 11, 1936, Serial No. 100,256
7 Claims. (Cl. 43—121)



1. An automatic roach trap comprising a container having a top wall with an opening and the portion around said opening being smooth and steeply inclined downwards, a support within said container, a platform for bait above said opening and mounted on said support, and a plurality of trap doors pivotally mounted at their top ends upon the edge of said platform and extending downwards into said opening and freely resting against the edge of said portion.

2,100,910
GANG LAWN MOWER
Amos F. Moyer, Minneapolis, Minn., assignor to Toro Manufacturing Corporation of Minnesota, Minneapolis, Minn., a corporation of Minnesota
Application November 23, 1936, Serial No. 112,188
11 Claims. (Cl. 56—7)

1. In combination with a vehicle having front and rear wheels, and front wheel steering means, mower units arranged between the front and rear wheels, a shift bar supported on said units and means connecting it to the units, means connecting the shift bar to the vehicle for vertical and horizontal motions, and means by which the steering mechanism of the vehicle shifts said



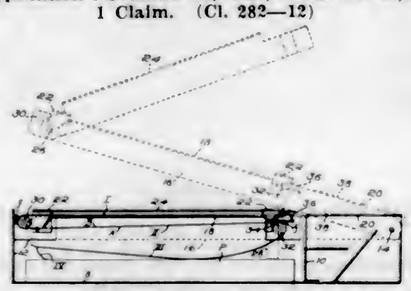
bar conformably to change in steering direction.

2,100,911
AUTOGRAPHIC REGISTER
Walter E. Oliver, Somerville, Mass.
Application November 13, 1935, Serial No. 49,467
10 Claims. (Cl. 282—12)



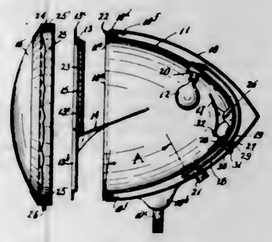
1. An autographic register for dispensing sections from a pack formed by webs folded in zigzag comprising a receptacle for positioning the pack, a table above the receptacle forming a support for a section to be inscribed, a guide at an end of the table located substantially one or more fold lengths from the remote end of the pack and about which the webs are drawn to dispose sections thereof over said table, springs in the receptacle for pressing the pack upwardly, said table presenting means at its lower face cooperating with the pack under pressure of the springs.

2,100,912
AUTOGRAPHIC REGISTER
Walter E. Oliver, Somerville, Mass.
Application November 13, 1935, Serial No. 49,468
1 Claim. (Cl. 282—12)



An autographic register for dispensing for inscription thereon successive sections of webs transversely folded in zigzag along predetermined, equally spaced lines to form a pack comprising a container for the pack, a table over which a section is disposed for inscription, a guide adjacent an end of the table around which the webs are drawn from the pack having a curved surface of substantial radius, and means for maintaining the webs in contact therewith over an arc of such extent that a length of paper substantially equal to the tangents thereto exhibits substantial resilience comprising a guide having a similarly curved surface about which the paper is looped, the guides being so spaced that, when a section of the webs is disposed over the table for inscription, a succeeding section will extend tangentially from the lower side of the first guide to the upper side of the second guide with end portions of the section projecting beyond the lines of tangency, which end portions are of a length to exhibit such substantial resilience that, when they with similar portions of adjacent sections are drawn by feeding traction of the webs against the arcs of the surfaces of the guides, they will, on release of the feeding tension, assume positions substantially tangent thereto.

2,100,913
NONGLARE HEAD LAMP
Eric Olsson, Jersey City, N. J.
Application September 16, 1935, Serial No. 40,740
4 Claims. (Cl. 240—48.4)

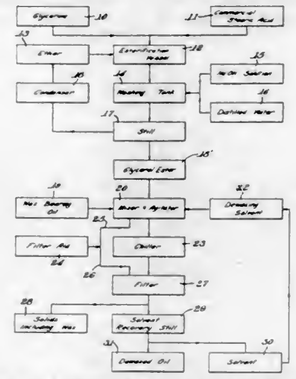


1. In a non-glare head lamp, a parabolic reflector, an annular member engaged over the front of said reflector and having a top translucent area and a bottom transparent area, a lamp mounted within said parabolic reflector and located above the axis and at an intermediate position between the outer edge and the inner base end of said reflector, a transverse member supported on said annular member and extending rearward from the junction of said translucent and said transparent areas to a position in which its rear edge is adjacent said lamp to form separate passages for the light of said lamp, and a pivotal glare director reflector mounted on the base portion of said parabolic reflector just behind said lamp and adapted to be adjusted to direct the reflected rays of said lamp over the transverse member and through one of said passages or below the transverse member and through the other of said passages.

2,100,914
STORAGE BATTERY
Joseph A. Orsino, East Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
No Drawing. Application November 25, 1935, Serial No. 51,477
7 Claims. (Cl. 136—26)

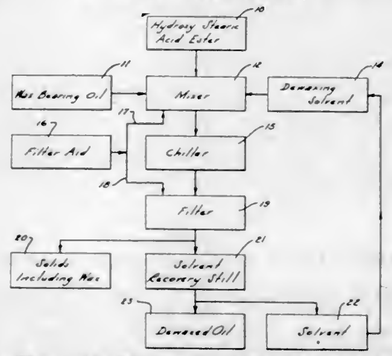
1. A plate for storage batteries of the lead-acid type having a minor proportion of pulverized leather incorporated in the lead compound of the plate.

2,100,915
REMOVAL OF WAX FROM HYDROCARBON OIL
Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 25, 1934, Serial No. 727,385
11 Claims. (Cl. 196—19)



1. The method of dewaxing a wax bearing oil, which comprises mixing with the oil an organic ester which has the property of modifying wax crystal formation upon chilling of the oil in the presence thereof, the said ester being selected from the group consisting of fatty acid esters of glycerol, fatty acid esters of glycols, fatty acid esters of monohydric alcohols selected from the group consisting of hexyl, heptyl, octyl and cetyl alcohols, fatty acid esters of polyhydric alcohols of the series higher than glycerol selected from the group consisting of erythritol, mannitol and sorbitol, and esters of the above-mentioned alcohols with the acids derived from oxidized waxy hydrocarbons, chilling the mixture to precipitate the wax, and separating the wax from the oil.

2,100,916
REMOVAL OF WAX FROM HYDROCARBON OIL
Ernest F. Pevere and Clifford G. Ludeman, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 21, 1935, Serial No. 50,813
9 Claims. (Cl. 196—19)



1. The method in the dewaxing of a wax-bearing mineral oil, which comprises mixing with the oil an esterified hydroxy stearic acid which has

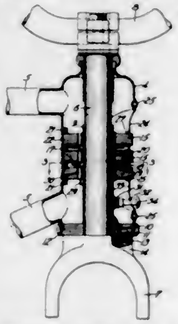
the property of modifying wax crystal formation upon chilling of the oil in the presence thereof, chilling the mixture to precipitate the wax, and separating the wax from the oil.

2,100,917

BICYCLE LOCK

Amyas Leigh Porter, Oakland, Calif.

Application February 29, 1936, Serial No. 66,473
6 Claims. (Cl. 70—185)



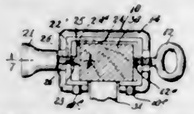
1. The combination, with the steering spindle, which carries the front wheel fork of a bicycle, and the housing in which said spindle is journaled, of a sleeve-like bolt enclosing said spindle and movable axially thereon, a lug projecting from one end of said sleeve-like bolt for engaging said housing and said fork to prevent relative movement therebetween and means for selectively locking said sleeve-like bolt with the lug in or out of engagement with said fork.

2,100,918

ADJUSTABLE NONSLIP LADDER PROTECTOR

Paul Ringman, St. Albans, N. Y.

Application July 31, 1936, Serial No. 93,639
4 Claims. (Cl. 228—61)



3. An adjustable non-slip protector, comprising a band member adapted to encircle the side bar of a ladder and having an open side so that said band member may be moved past the rungs in said ladder, a gripper element having a threaded stud portion engaged through one end of said band member, a clamp screw threadedly engaged through the other end of said band member to engage the side bar of said ladder to hold the protector in position, and means adapted to engage the end of said stud portion to lock said gripper element against accidentally disengaging from said band member.

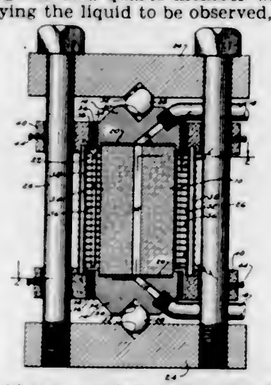
2,100,919

OBSERVATION CHAMBER FOR FLOWING LIQUIDS

Louis C. Roess and Carl E. Cummings, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

Application October 15, 1935, Serial No. 45,168
5 Claims. (Cl. 116—117)

1. In an observation chamber for flowing liquids, a cylinder of fused quartz provided with a longitudinal passage of relatively small bore for the liquid to be observed, a cap member for each end of said quartz member, said cap member being provided with openings adapted to connect the passage in said quartz member with a conduit carrying the liquid to be observed, the open-



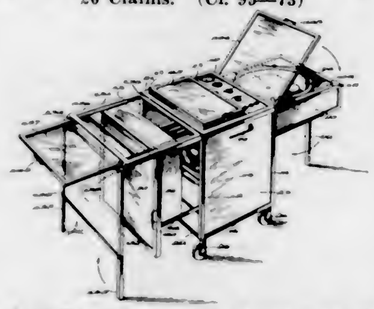
ings in said cap members being of substantially the same bore as the opening in said cylinder, and a supporting frame encircling said cylinder, said frame including means for forcing said cap members toward said quartz member so as to form a liquid tight joint between each of said cap members and said quartz member.

2,100,920

UNITARY STRUCTURE FOR SUPPORTING PHOTOPRINTING APPARATUS

William Henry Rogers, Washington, D. C.

Application June 5, 1936, Serial No. 83,789
20 Claims. (Cl. 95—73)



1. A unitary structure for supporting photoprinting equipment comprising a compartment, means for forming an opening in one side thereof, a light emitting device movably supported by said structure and adapted to be moved through said opening, a printing frame movably supported by said structure and adapted to be moved to substantially horizontal or vertical positions therein, and a recessed receptacle forming a side of said compartment hingedly supported by said structure.

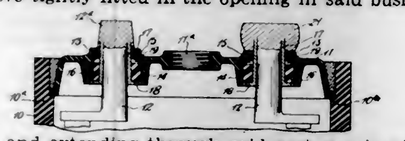
2,100,921

STORAGE BATTERY

Samuel W. Rolph, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia

Application September 22, 1932, Serial No. 634,284
Renewed June 21, 1937
4 Claims. (Cl. 136—168)

2. In a storage battery a cover for the battery container having a post opening and a recess aligned with and of larger diameter than said opening, an elastic bushing fitted in said recess and having a central opening, and a metallic sleeve tightly fitted in the opening in said bush-



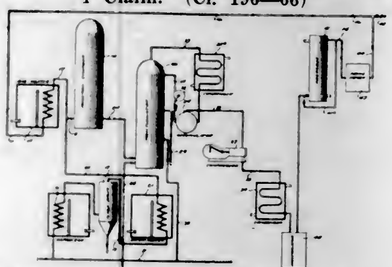
ing and extending through said post opening in said cover and laterally expanding said bushing into tight frictional engagement with the wall of said recess.

2,100,922

PROCESS OF CRACKING HYDROCARBONS

Albert P. Sachs, New York, N. Y., assignor to Petroleum Conversion Corporation, New York, N. Y., a corporation of Delaware

Application August 31, 1935, Serial No. 38,688
1 Claim. (Cl. 196—66)



The process of converting hydrocarbon oils which consists in heating up a heat carrier gas to a temperature at least equal to that of the cracking temperature, simultaneously vaporizing the oil to be cracked, admitting the vapor to be cracked into contact with said heated heat carrier gas in said reaction chamber, while maintaining a system pressure not greatly in excess of 50 pounds per square inch, said gas supplying the necessary heat for the cracking of said vapor, and withdrawing the mixture of gas and vapor products from the reaction chamber when the reaction has proceeded to a desired degree, subjecting such products to progressive dephlegmation to yield hydrocarbons of the gasoline range as the final product and a residual gas rich in light vapors, compressing said residual gas to a pressure not substantially less than 250 pounds per square inch, whereby substantially all of the light hydrocarbon vapors are condensed and recovered passing said compressed gas through a condenser to separate out the light vapors, recovering the energy of compression from said gas so compressed by passing the now lean gas through a prime mover, and withdrawing the gas from said prime mover at a pressure slightly above that of the system and recirculating a portion at least of said gas to constitute it the heat carrier on the next cycle.

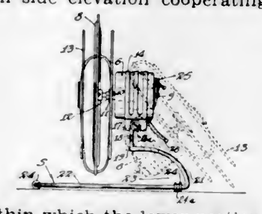
2,100,923

FAN WITH COLLAPSIBLE SUPPORT

Carl A. Schmidt and Harold D. Bricher, St. Paul Minn., assignors to Lydon-Bricher Mfg. Co., St. Paul, Minn., a corporation of Minnesota

Application April 21, 1937, Serial No. 138,172
7 Claims. (Cl. 230—273)

1. A fan with collapsible support comprising an electric motor having a motor shaft, a fan blade attached to an end portion of said shaft, a guard cage attached to said motor and surrounding said blade and on oppositely reversely curved ball-like support swingably connected to said motor, said support having a foot and an arm extending therefrom to said motor, said arm and foot as viewed in side elevation cooperating to form a



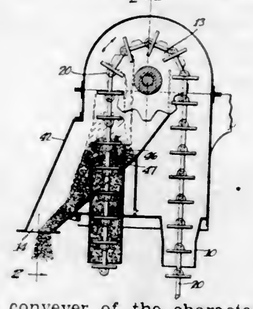
space within which the lower portion of the cage may be closely received with the foot lying adjacent the forward side of the cage when the support is swung to one position and said foot acting to stably support said motor, blade and cage on a supporting surface at various inclinations when the support has been swung to other positions.

2,100,924

CONVEYER

Alfred De Los Sinden, Aurora, Ill., assignor, by mesne assignments, to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts

Application November 14, 1934, Serial No. 753,043
3 Claims. (Cl. 198—154)



1. In a conveyer of the character described, in combination, a conveyer casing provided with a vertical leg, a conveyer member comprising a plurality of connected open flights traversable through the casing, a head sprocket over which the conveyer member is arranged to pass, said open flights being constructed and arranged to carry up a substantial amount of material upon the surfaces of the flights into a position where such amounts are discharged from the flights as the same pass over the head sprocket whereby to clean out the conveyer casing at the end of the operation of the conveyer, and means disposed under the head sprocket for receiving said material and discharging it from the conveyer, said vertical leg extending into said means.

2,100,925

ANIMAL TRAP

Herbert A. Stilson, Chicago, Ill., assignor of one-half to A. S. Nichols Western Company, Chicago, Ill., a corporation of Illinois

Application July 30, 1932, Serial No. 626,349
11 Claims. (Cl. 43—83)

6. An automatically set trap comprising a base, a spring actuated striker, a latch member pro-

vided with a pivotal aperture having unequal transverse dimensions, and a reduced slot extending therefrom to an edge of the member, a bait treadle having a trigger portion for engaging said member, and a pivotal support for said member comprising guiding portions having parallel guiding surfaces, having at their lower edges points for securing them to the base and being united by a horizontally disposed integral pivot portion having unequal transverse dimensions, slightly less than the corresponding dimensions of said aperture, the minor dimension of said pivot portion being sufficiently less than that of said slot to permit the pivot portion to pass through said slot into said pivotal aperture.

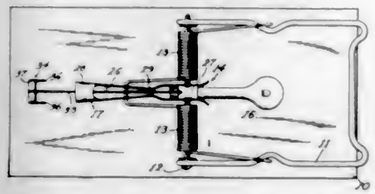


9. In an automatically set trap the combination with a base, of a spring actuated striker provided with a cross bar, and having a pivotal connection with the base, of a latch member pivotally connected to said base, and provided with a forwardly extending trigger engaging arm and a rearwardly extending detent portion located substantially directly above the axis of the pivotal connection of the member, and a pivotally mounted bait treadle having a trigger portion to extend beneath the said arm of the member, the detent portion of the member having a cam portion coacting with the cross bar of the striker to move the latch member rearward by taking up slack in its pivotal connection, and permit the cross bar to engage beneath the detent, in setting the trap with the member in operative relation with the trigger.

2,100,926

ANIMAL TRAP

Herbert A. Stilson, Chicago, Ill.
Application November 14, 1934, Serial No. 753,000
20 Claims. (Cl. 43—83)



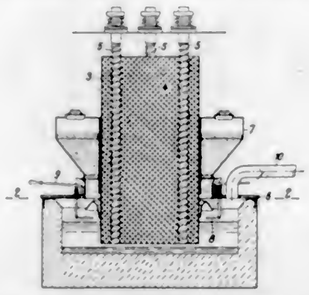
1. An animal trap including a base, a spring actuated jaw, means for releasably holding said jaw, said means including a three-way movable articulated bi-part treadle carried on said base.

2,100,927

CONTINUOUS ANODE FOR ELECTROLYTIC CELLS FOR THE PRODUCTION OF ALUMINIUM

Raffaele Trematore, Mori, Trento, Italy, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Oslo, Norway
Application July 17, 1934, Serial No. 735,639
In Italy July 22, 1933
4 Claims. (Cl. 204—20)

1. An anode for an electrolytic cell for the production of aluminum made from carbon paste that is baked during the operation in the cell, provided with current carrying threaded bars extending lengthwise through the electrode and being in contact with the baked as well as the



unbaked part of said electrode, said bars being unscrewable upwards as and when it becomes necessary in order to avoid contact between them and the bath as the anode is consumed.

2,100,928

CLOSURE FOR WALL OPENINGS

Walter R. Way, Quincy, Mass.
Application June 21, 1935, Serial No. 27,689
3 Claims. (Cl. 16—163)

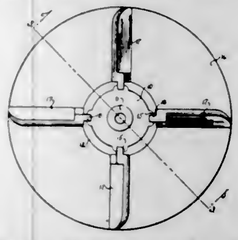


1. A hinge for an openable closure element for a wall opening, comprising a pair of links, each reaching to the closure element from a stationary interior wall of the opening; said links being mid-pivoted together, and each having a terminal fixed pivotal connection and a terminal sliding pivoted connection, one of which connections, of each link, is to the said interior wall of the opening and the other of which is to the said closure element; and a pair of cams, one fixed on said interior wall, for controlling the travel of the terminal sliding pivotal connection of one said link, and the other fixed on said closure element, for controlling the travel of the terminal sliding pivotal connection of the other said link; said cams having each a cam slot, and the said slots having curved terminal portions in which the said sliding pivotal connections respectively and simultaneously travel during initial opening movement of the closure element, the curvatures of said terminal portions of slots being in directions respectively away from, and toward the planes of said interior wall and said closure element.

2,100,929

DOLLY FOR WASHING MACHINES AND THE LIKE

Theodore P. Weinhart, Ankeny, Iowa, assignor of seventy-five percent to Glenn E. Kellogg, Des Moines, Iowa
Application January 28, 1937, Serial No. 122,809
6 Claims. (Cl. 259—99)

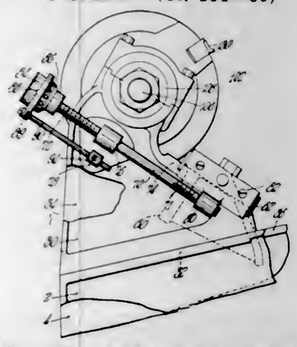


1. In a device of the class described, an inverted cup member, vertical ridges on the outside of said inverted cup member, a shaft bearing in the upper side of said inverted cup member at its center, an outwardly extending flange about the lower outer marginal edge of said inverted cup member, a flat ring, agitating fins on said ring, and lugs on the inner end of said fins capable of being received by said vertical ridges on said inverted cup member.

2,100,930

PAPER CUTTING APPARATUS

Walter S. Aiken, Lee, Mass., assignor to The Clark-Aiken Company, Lee, Mass., a corporation of Massachusetts
Original application November 17, 1935, Serial No. 51,877, now Patent No. 2,062,737. Divided and this application October 28, 1936, Serial No. 107,953
5 Claims. (Cl. 164—66)

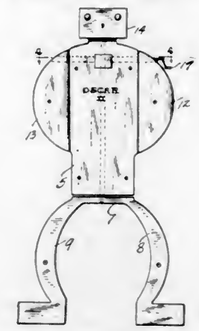


1. Web-cutting mechanism comprising in combination, a support, a rotatable member thereon, a relatively stationary member, a knife on said rotatable member and a knife on said relatively stationary member having co-operating cutting edges, the said knives being disposed so the cutting edges thereof are arranged angularly with relation to a plane passing through the axis of rotation of said rotatable member whereby the cutting edges operate with a shearing action and the angle incidence is constant throughout the shearing action, the said knives being formed of relatively different materials one of which is softer than the other whereby during the shearing action one is sharpened by the other.

2,100,931

TOY

Oscar Alvistur, San Francisco, Calif.
Application September 9, 1936, Serial No. 99,990
2 Claims. (Cl. 46—119)

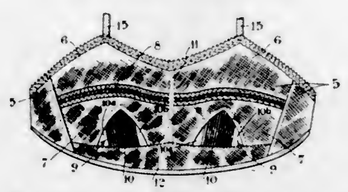


1. In a toy of the character described, a body portion having a vertically disposed rotary rod extending therethrough, a head secured to one end of said rod, a leg carrying member secured to the opposite end of said rod, means for rotating said rod, said means including a cross shaft, and a flexible band connecting said cross shaft and said rod, whereby when said cross shaft is rotated said rod will be rotated.

2,100,932

BRASSIÈRE AND FOUNDATION GARMENT

Louis J. A. Amyot, Quebec, Province of Quebec, Canada
Application December 2, 1935, Serial No. 52,535
In Canada October 25, 1935
3 Claims. (Cl. 2—42)



1. A brassière presenting breast pockets of soft fabric material divided into upper and lower sections joined together by a line of faggoting which extends across the centre of the breasts, the two sections of each pocket being joined to corresponding sections of the companion pocket in a central vertical seam extending a substantial distance above and below the line of faggoting, the upper section of each pocket being cut on the bias to give a smooth rounded figure effect without undue pressure from above and a relatively stiff breast supporting panel in the lower section of each pocket comprising an insert of woven fabric material stiffened by vertically extending textile stiffening cords laid in the fabric to form closely spaced stiffening ribs on the face of the fabric while leaving the back of the fabric substantially smooth and flat, said garment being further characterized in that each panel has the contour of a Gothic arch and is inclined so that the apex of the arch is directed toward the upper edge of the garment and away from said central vertical seam.

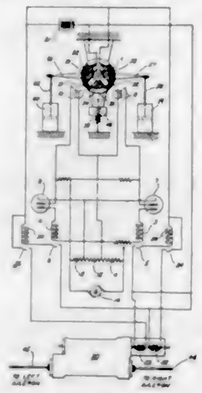
2,100,933
OUTER GARMENT
Abram K. Baer, Baltimore, Md., assignor to The Strouse Baer Company, Baltimore, Md.
Application November 11, 1936, Serial No. 110,397
1 Claim. (Cl. 2—234)



In an outer garment, a body part including a front and a crotch, said front being formed of a pair of oppositely disposed sections having imperforate flaps of like form extended from their inner sides, said flaps having outer side edges formed with straight upper portions and inwardly curved lower portions, the flap of one of said sections being inwardly folded against the inner face of the latter to oppose the other of said flaps whereby the flaps are concealed the outer face of the said front is provided with a bend aligning with the upper end of a side of the crotch at the front of the latter, the said nonfolded flap having its outer side edge merging into the upper end of the other side of the crotch at the front of the latter, said flaps, when opposed, disposed in a like direction and extended laterally with respect to the said other side of said crotch, said flaps extending from the upper end of the front of the crotch to the upper portions of said sections, a row of stitching adjacent said bend for connecting said flaps together, said row of stitching extending from the upper portion of the body part to a point removed from the lower end of the flaps and in connection with a portion of the folded flap and a portion of the section having the folded flap providing the front of said body part with an expansible pleat aligning with the upper end of the front of the crotch, said row of stitching aligning substantially with the said other side of the crotch, the portions of said flaps below and free of connection to said row of stitching coacting to provide a horizontally disposed passageway open at each end, a row of stitching coextensive with the length of the folded flap, spaced from the said side edge of the latter spaced from and of greater length than the other row of stitching and providing for securing said folded flap against the inner face of that section of which it forms a part and horizontally disposed means for securing said sections together at the upper end of the front of the crotch.

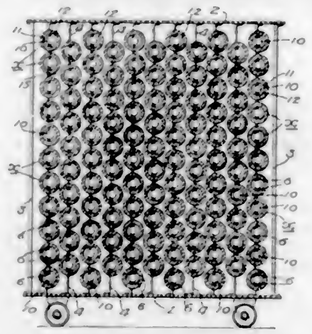
2,100,934
AIRCRAFT
Donald M. Berges, Bloomfield, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application February 5, 1936, Serial No. 62,516
3 Claims. (Cl. 244—77)

1. In an aircraft of the type in which portions of the craft's exposed surface are actuated as the means of controlling the flying attitude of the craft, the combination with said surface portions of electromagnetic actuating means therefor, a pair of inter-engaged telescoped cylinders having registrable apertures controlling energization of said electromagnetic means, means integrated with one of said cylinders to cause



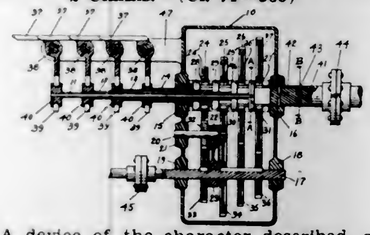
both to move in unison after a predetermined differential movement of one, and dashpot means connecting with said cylinders to damp the movement of one more than the movement of the other.

2,100,935
AIR BAFFLE FOR RAYON CAKE DRIERS
Harold G. Black, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1936, Serial No. 61,232
6 Claims. (Cl. 34—26)



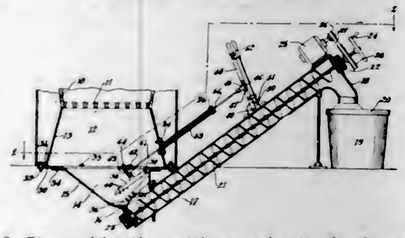
1. In a drier for rayon cakes each having a core opening, means for supporting said cakes, means for passing a current of conditioning medium in a direction axially of said cakes and through said core openings, deflectors disposed substantially within the core openings of predetermined cakes respectively in planes transverse to the axes of said core openings and of lesser area than the cross-sectional areas of said core openings leaving relatively narrow passages for said medium between the marginal edges of the deflectors and the walls of said core openings and deflecting to the outsides of said cake portions of the flow of said medium which normally pass through said core openings, and means for supporting said deflectors in said positions relative to said core openings.

2,100,936
SPEED CHANGING DEVICE
Henry H. Bonn, Jr., Milwaukee, Wis.
Application April 24, 1935, Serial No. 18,045
2 Claims. (Cl. 74—363)



1. A device of the character described, comprising a casing, a tubular drive shaft extending inwardly of one side of said casing, a driven shaft extending inwardly of the opposite side of said casing, gears loosely mounted on said drive shaft within said casing, gears rigidly mounted on said driven shaft and meshing with the gears on said drive shaft, nested tubular members extending into said casing and inwardly of the inner end of said tubular drive shaft, the opposite ends of said tubular members being offset one from the other, keys carried at the inner ends of said tubular members, said drive shaft having longitudinal slots engaged by said keys, each of said loosely mounted gears having a plurality of ways to receive said keys, and means engaging the outer ends of said tubular members to selectively shift the same to move said keys into and out of engagement with said ways.

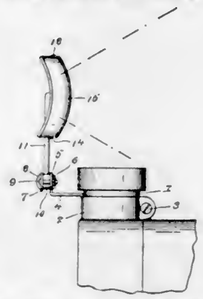
2,100,937
ASH REMOVER
Charles F. Bowe, Canton, Ohio, assignor of twenty-two and one-half per cent to Elmer George Baird, Canton, and twenty-two and one-half per cent to Charles W. Traynor, Massillon, Ohio
Application November 10, 1936, Serial No. 110,089
5 Claims. (Cl. 110—165)



3. In combination with an ash pit of a furnace, an auxiliary ash pit mounted below said ash pit and provided with walls converging downwardly to a discharge opening, a feed tube communicating with said discharge opening, a conveyer in said feed tube, a grating at said discharge opening, a movable gate cooperating with said grating for crushing clinkers in the ashes before they enter the feed tube, and means outside of the ash pit for operating said gate.

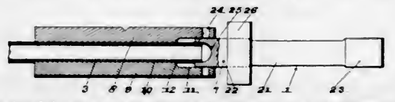
2,100,938
MIRROR FOR VEHICLES
Leo L. Brandt, Savannah, Mo.
Application February 4, 1935, Serial No. 4,935
1 Claim. (Cl. 88—98)

A rear view mirror for mounting above the radiator cap of an automobile for viewing the road to both sides of the automobile, said rear view mirror including a clamp for attachment to the automobile radiator nozzle with a bracket extending upwardly and forwardly therefrom, a cross head on the bracket having a central cup, a plate having a cup, a pair of bolts passed through the ends of the plate and the cross head, said cups forming a ball receiving socket, a post,



a ball on the lower end of the post received in said socket, the ball and socket permitting the post to be swung in a vertical plane to either side of said bracket as well as permitting turning of the post, said angular adjustment of the post being limited by contact of the post with either of said bolts, a bracket on the upper end of the post, and a convex mirror supported by the bracket

2,100,939
HAND TOOL FOR MAKING JOINTS ON TUBULAR MEMBERS
Charles M. Brenner, Shreveport, La.
Application January 25, 1937, Serial No. 122,306
1 Claim. (Cl. 153—79)



A tool to upset a piece of tubing at a determined distance from one end thereof, comprising jaws with a bore to grip said piece of tubing, said bore having a counterbore terminating in an internal seat which merges directly with the bore, said jaws having gauge pin holes leading into the counterbore, a gauge pin temporarily insertable in said holes crosswise of the counterbore to accurately fix the position of the tubing tip with reference to the seat, a forming die having its working end fitted in the counterbore and having a cylindrical die cavity fitting the tip and beginning at the perpendicular working end, the bottom of said cavity comprising an abutment to push the tubing tip so that it is outwardly crimped at the edge of the cylindrical die cavity and is formed against said internal seat, a collar on the forming die, and means to adjustably fix the position of said collar so as to regulate the size of the space between the working end and seat in which space the crimped and formed portion is expanded into a circular bead.

2,100,940
LOUPE
John F. Coleman, Smithboro, N. Y.
Application August 8, 1936, Serial No. 95,007
3 Claims. (Cl. 88—41)

2. A spectacle frame including a resilient lens holder formed on its inner face with a groove, a

loupe lens, a tubular body having means adjacent one end for supporting said lens, an annular peripheral bead at the other end of said body, and



said bead having spaced portions thereof extending radially therefrom and into said groove and coacting with the walls of the latter for connecting said body to the lens holder.

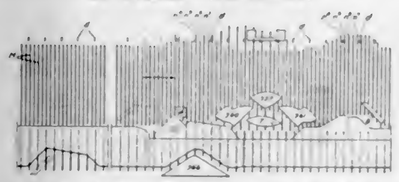
2,100,941

METHOD OF AND MACHINE FOR KNITTING FABRIC

William Coleman, Johnson City, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

Application October 20, 1936, Serial No. 106,673

10 Claims. (Cl. 66—24)



10. In a method of changing from the knitting of ribbed fabric to the knitting of plain fabric in a dial and cylinder machine, the steps of drawing down all cylinder needles to stretch the loops of the previous course, delaying the raising of the needles immediately following the needles taking the dial loops while the dial loops are taken and casting off the loops from the dial needles.

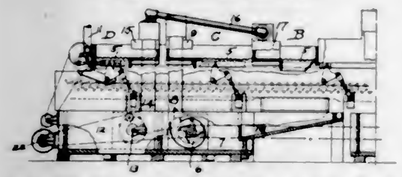
2,100,942

METHOD OF WASHING FRUITS, VEGETABLES, AND OTHER PRODUCTS

Frank W. Cutler, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application June 6, 1934, Serial No. 729,328

2 Claims. (Cl. 99—100)



1. A process of washing fruit to remove spray residue therefrom preparatory to packing, comprising subjecting the fruit to an alkaline washing treatment, rinsing the fruit with liquid from a source of substantially neutral rinse liquid to remove the alkaline washing liquid adhering to the fruit and returning the mixed rinsing and alkaline washing liquids to said source, then subjecting the fruit to an acid washing treatment, and thereafter rinsing the fruit with liquid from said source to remove the acid washing liquid adhering to the fruit and then returning the mixed rinsing and acid washing liquids to said source, whereby said rinsing liquid remains substantially neutral and can be used repeatedly.

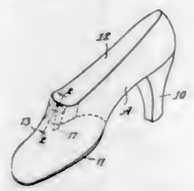
2,100,943

PUMP CONSTRUCTION

Frank D'Alessandro, Carlisle, Pa.

Application June 24, 1935, Serial No. 28,201

2 Claims. (Cl. 36—45)



1. A pump comprising an upper, a lining interiorly of the upper and having an arcuate slot at its front, an extension integral with the upper at its uppermost edge adjacent to said slot, said extension having a medial slit therein to provide a pair of tongues for bending downwardly and inwardly through said slot with the tongues in spread apart relation and with the adjacent edges of the tongues engaging the respective ends of the slot, the tongues being of such a length that when disposed in the slot the free ends thereof are disposed at a considerable distance from the upper edge of the vamp of the pump, and means for securing the tongues to the lining.

2,100,944

PROCESS OF MAKING ALKALI SUB-SILICATES

Richard Lloyd Davies, Philadelphia, Pa., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application September 3, 1936, Serial No. 99,309

20 Claims. (Cl. 23—110)

1. The process of preparing a solid, alkali sub-silicate product which comprises adding molten caustic alkali, containing not more than approximately 15% water, and a solid, sub-divided, silica-containing material selected from the group consisting of silica and alkali metal silicate having a molecular ratio of SiO_2 to alkali oxide greater than 1 to 1, to a reaction vessel, the reactants being present in such molecular proportions that the alkali oxide content is not less than the silicon dioxide content, reacting the mixture while stirring it at a temperature, below the melting point of the reaction product, sufficient to form an alkali sub-silicate product, and converting the reaction mass into a solid state.

2,100,945

MACHINE TOOL

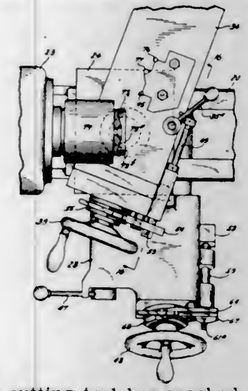
Wilbur C. De Graff, Cleveland Heights, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio

Application October 27, 1936, Serial No. 107,834

17 Claims. (Cl. 82—12)

1. In a machine tool having a carriage, a base pivotally mounted on said carriage and adapted to have a cutting tool operatively associated therewith, means for rotating said base on its pivot to feed the cutting tool in a circular path, and cooperating means carried in part by said first named means and having stop portions normally held out of alignment with each other but automatically moved into abutting alignment for

stopping the rotating movement of said base



when said cutting tool has reached a predetermined position.

2,100,946

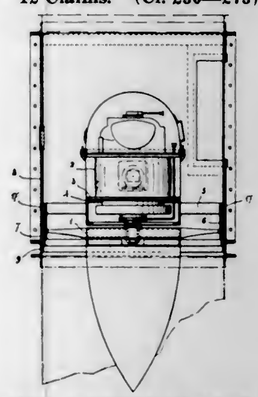
SUSPENSION ARRANGEMENT FOR SCREW FAN ROTORS

René De Mey, Brussels, Belgium

Application August 2, 1935, Serial No. 34,433

In Great Britain August 7, 1934

12 Claims. (Cl. 230—273)



1. A floating mounting of screw fan rotors within an encircling envelope comprising a casing to which the screw fan rotor is secured, said casing inserted within the envelope with a substantially continuous gap between these parts rigid overlapping means for freely but positively supporting the casing on the envelope, means to prevent relative rotating movements of the casing within the envelope, means for covering the gap and means for securing the casing in the supported position.

2,100,947

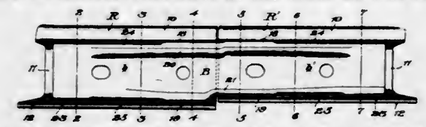
STEP JOINT

Clarkson A. Disbrow, New Rochelle, N. Y., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware

Application April 21, 1936, Serial No. 75,636

3 Claims. (Cl. 238—167)

1. A compromise rail joint, including in combination with the dissimilar rails, a splice bar lying wholly inside of the outer edges of the rail flanges of both rails and having contact with the rails at its medial and end portions, said bar being provided throughout the medial portions of its head and foot with outer ribs tapering in cross-sectional thickness at the outer face of the



bar web toward the ends of the latter, said bar tapering in cross-sectional thickness from its thicker medial portion to its thinner flexible end portions, and provided with rail head clearance at both sides of its medial portion.

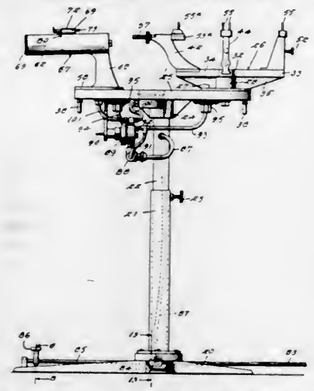
2,100,948

APPARATUS FOR STRINGING RACKETS

Laurance C. Doll, Ithaca, N. Y., assignor to Doll Air-Stringer of America, Inc., Ithaca, N. Y., a corporation of New York

Application November 25, 1936, Serial No. 112,807

17 Claims. (Cl. 273—73)



1. In apparatus for stringing rackets, a stand, a racket turret support and a string tensionizer at the upper end of the stand, adjustable means on the turret support upon which a racket is adapted to be mounted, said tensionizer being rotatably adjustable, and pneumatically operated means for holding the turret support and tensionizer against rotation and operating the tensionizer.

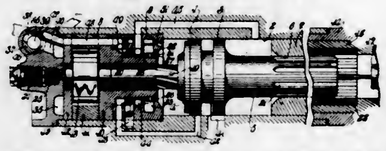
2,100,949

ROCK DRILL HOLE CLEANSING MEANS

Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application April 26, 1934, Serial No. 722,572

16 Claims. (Cl. 121—10)



1. In a rock drill, a cylinder having a bore, a piston reciprocable therein, fluid supply and distribution means for effecting reciprocation of said piston including a supply passage through which motive fluid is supplied to the distributing means

and a piston controlled exhaust port, means for supplying motive fluid simultaneously to the opposite ends of the cylinder bore to act directly on pressure areas at the opposite ends of said piston including a fluid supply passage distinct from said first mentioned fluid supply passage, supply and controlling means for said supply passages operative to effect concurrent motive fluid supply to each of the same, thereby to maintain the piston in a substantially exhaust port closing position substantially midway between the ends of the cylinder, and means for supplying pressure fluid from one end of the cylinder bore, when said piston is in said substantially midway position, continuously to the drill hole.

2,100,950

DEFLECTOR MEANS FOR TOILET MECHANISMS

Catherine T. Giblette, Detroit, Mich.

Original application October 19, 1932, Serial No. 638,589. Divided and this application December 7, 1935, Serial No. 53,340
11 Claims. (Cl. 4—135)



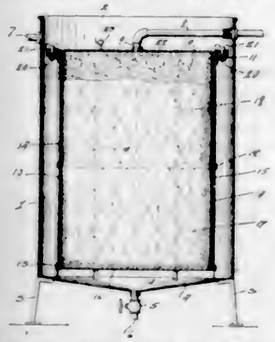
1. In a toilet provided with a housing and a vessel therein having a flange, a deflector member having a chamber with an open side, said deflector member being provided with a flange portion extending over said flange of said vessel and engaging the inside of said vessel, said deflector member being further provided with an extension portion suitably engaging said housing to maintain said deflector member in its assembled position, said extension portion being located adjacent the edge of said flange of said vessel and under the deflector portion of said deflector member.

2,100,951

FILTER

Willie F. Glass and Milton G. Sibley, Gulfport, Miss.

Application September 5, 1935, Serial No. 39,330
Renewed February 25, 1937
1 Claim. (Cl. 210—183)



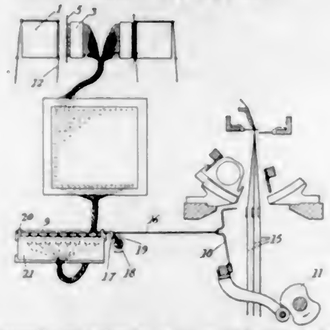
In a filtering device in which a filtering powder is used, an outer receptacle, an inner receptacle comprising a bottom, a plurality of vertical standards surrounding said bottom, a plurality of annular bands surrounding said standards and secured thereto in vertical spaced relation, the upper one of said bands having an integral outwardly directed flange, a vertical screen wall resting upon said bottom and positioned against the inner sides of said standards and terminating at said top band, a removable cover plate overlying said top band and the flange thereof, means for coupling said cover plate with said flange, means for introducing fluid into the strainer structure through said cover plate, and a cloth strainer bag within the strainer structure and having its top edge clamped between said cover plate and said flange, said bag being made up of an outer hard woven cloth and an inner rough soft woven cloth of the character of turkish toweling against the inner surface of which the said filtering powder clings to form a filtering body.

2,100,952

JACQUARD MECHANISM AND TEXTILE MACHINE EMPLOYING SUCH MECHANISM

Harry Goodley, Nottingham, England

Application May 18, 1936, Serial No. 80,451
In Great Britain August 13, 1935
7 Claims. (Cl. 96—20)



1. A textile machine, e. g. a lace curtain machine, embodying in combination a series of pickers or jacks co-operating with threads such as spool or warp threads to determine the character of fabric produced, a series of electro-magnets associated with said pickers, jacquard mechanism with co-operating perforated jacquard cards, electric contact elements co-operating with perforations in the jacquard cards and functioning by such co-operation selectively to energize the electro-magnets, an electric current distributor between the jacquard and the magnets functioning to distribute the electric current to the magnets in such a manner that the number of contacts simultaneously operated can be in excess of the number of operative contact elements at the jacquard and the character of the fabric being produced can be increased without increasing the size of the jacquard cards or the perforated area thereof.

2,100,953

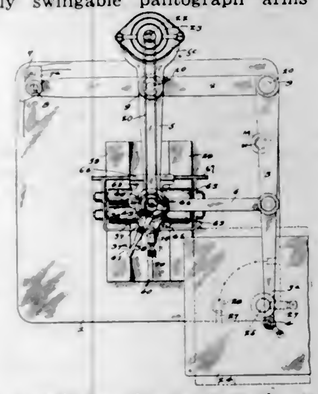
ENGRAVING AND RELATED MACHINES

George Gorton and Peter M. Henkes, Racine, Wis., assignors, by direct and mesne assignments, to George Gorton Machine Co., Racine, Wis., a corporation of New Jersey

Application December 30, 1932, Serial No. 649,664
Renewed October 7, 1935
26 Claims. (Cl. 90—13.6)

1. An engraving machine including a cutter head having a rotary cutter spindle, said head

movable laterally while its cutter spindle is operating on the work; a motor for driving said spindle; and a horizontally arranged pantograph supporting and carrying said cutter head and said motor, and embodying pivotally connected laterally swingable pantograph arms one of



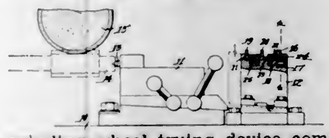
which constitutes the pantograph supporting main arm provided with and swingable on a vertical axis that supports the pantograph and its load, said motor being arranged with respect to said main arm to exert a counterbalancing influence on other pantograph arms loaded by said cutter head.

2,100,954

GRINDING WHEEL TRUING DEVICE

Gardner S. Gould, Lunenberg, and Elphege D. La Fleur, Lancaster, Mass., assignors to Fitchburg Grinding Machine Corporation, Fitchburg, Mass., a corporation of Massachusetts

Application July 13, 1936, Serial No. 90,276
8 Claims. (Cl. 125—11)



1. A grinding wheel truing device comprising a plurality of pairs of abrading surfaces, the two surfaces of each pair being set at an angle to each other and each pair being spaced apart, whereby a grinding wheel or the like can be relatively moved in a straight line through the series of abrading surfaces, the first pair of abrading surfaces being composed of comparatively coarse diamond impregnated material, the second of finer material of the same kind, and the last of very fine diamond impregnated material for finishing purposes.

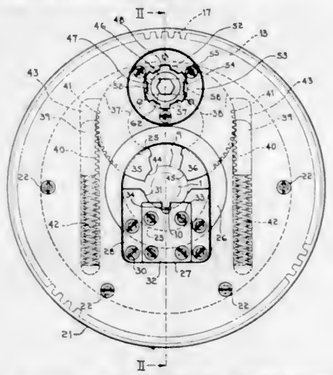
2,100,955

CHUCK FOR CAMSHAFTS AND THE LIKE

William F. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application October 28, 1936, Serial No. 108,039
12 Claims. (Cl. 82—1)

1. A process of treating unmachined camshafts having a main shaft portion, journal bearings, and cam lobes for simultaneously finishing a plurality of said journal bearings in a single chucking operation, which comprises forming a driving lug on said shaft and machining a cylindrical portion on said shaft concentric with its axis of rotation, and chucking said work in a chucking device, said work piece being centered by engagement of said cylindrical portion with a work locating abutment on said chuck fixed with respect to the center of rotation of said chuck and the clamping of said portion thereagainst, said work piece being rotated by said chucking device by engagement of said driving lug with a driving abutment fixed on said chuck.



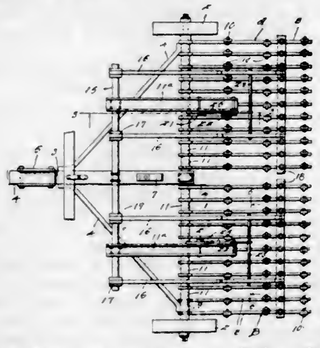
5. In a center drive chuck, means presenting surfaces equidistant from the chuck axis at one side thereof to receive a cylindrical part of a work piece and hold it coaxial with the chuck, said chuck having arcuate guides at opposite sides of said means, arcuate jaws guided in said guides, each adapted to present an end to an area of the cylindrical part of the work, which areas are spaced apart along a line beyond the axis of the chuck from said first mentioned surfaces, a clamping cam acting against the opposite ends of both of said jaws to force them against said work, said clamping cam comprising a rotatable element having peripheral cam portions diametrically opposite each other, each of said portions being adapted to engage an end of a jaw, and means on said chuck to engage another part of the work to cause the work piece to rotate with the chuck.

2,100,956

FARMING IMPLEMENT

Frank B. Hemmert, St. Marys, Ohio

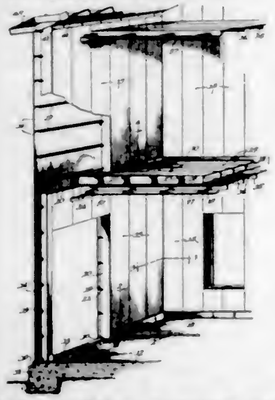
Application May 28, 1936, Serial No. 82,338
4 Claims. (Cl. 55—74)



1. In a farming implement of the character specified, a main axle, supporting wheels at the

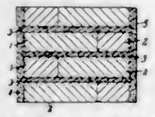
ends of the main axle, a tongue fastened to the axle, an adjustable tongue hitch, angle bars extending between the ends of the main axle and the tongue, harrow frames swiveled to the axle, teeth carried by said frames and means under the control of the operator for raising and lowering said harrow frames independently of each other.

2,100,957
METAL BUILDING STRUCTURE
George P. Hoffman, Jacksonville, Fla.
Application June 11, 1936, Serial No. 84,741
13 Claims. (Cl. 189—1)



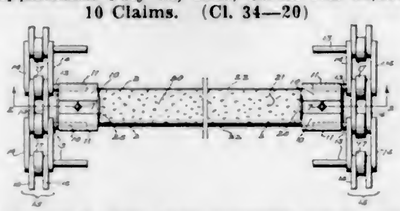
6. A metallic building structure comprising interengaging horizontally disposed flanged sections forming the outer face of its side walls, said sections having their flanges inwardly disposed, vertically disposed flanged sections forming the inner face of its side walls having their flanges facing towards the outer wall sections and provided with notches into which the edges of the flanges on the outer sections engage to retain the sections in assembled position, the depths of said notches being less than the width of the flanges on the inner sections and the inner edges of the flanges of the outer sections being spaced from the inner wall sections, and means for supporting the lower ends of said inner wall sections.

2,100,958
DRY MASONRY
Erich Honigmann and Friedrich Bruckmayer, Vienna, Austria, assignors to N. H. Moos, London, England, and Heinrich Eisler, Vienna, Austria
Application April 5, 1937, Serial No. 135,095
13 Claims. (Cl. 72—37)



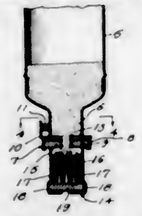
1. Intermediate joint material for use between courses of bricks or stones in a dry masonry structure comprising a sheet of material having at least in superficial portions thereof a limited degree of compressibility under load in order to compensate for surface inequalities of the bricks or stones mainly composing the masonry, said material having also great tensile strength so as to impart to said masonry a high resistance to buckling, bending, and distortion, and comprising at least one of the materials of the class consisting of asbestos, cellulose derivatives, protoplasm, seaweed, moss and paper impregnated with a moisture-repellent substance, and mixtures including light concrete, superficially compressible cement, dolomite silicious earth and pumice, said sheet of material having a reinforced construction.

2,100,959
CORK INSERT GIRT
Alpheus O. Hurxthal, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application July 12, 1935, Serial No. 31,127
10 Claims. (Cl. 34—20)



1. A girt for web drier conveyers comprising a metallic body and a body of cork partially enclosed by and projecting outwardly beyond said metallic body, said projection affording a goods engaging surface on the girt.

2,100,960
COMBINATION DENTIFRICE DISPENSER AND TOOTHBRUSH HOLDER
Herbert Jacoby, Croton-on-Hudson, N. Y.
Application August 6, 1936, Serial No. 94,680
3 Claims. (Cl. 221—62)

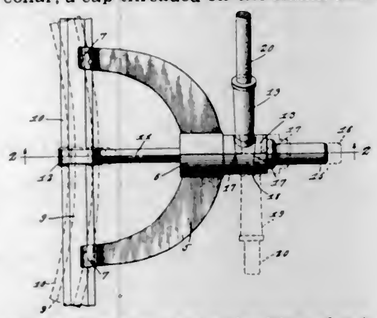


1. In combination with a dentifrice container, dispensing means attached to said container, said means including a member having upturned flanged edges and a discharge slot therein, a holder for supporting a toothbrush, said holder including a base slidable in the flanged edges of the dispensing means.

2,100,961
RAIL BENDER
Raymond P. Jones and Walter A. White, Scarbro, W. Va.
Application July 31, 1936, Serial No. 93,708
1 Claim. (Cl. 153—38)

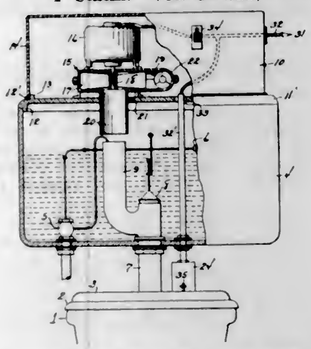
A rail bender comprising a substantially arch-shaped yoke having a medial sleeve portion provided with a cam end projected outwardly from said yoke, abutment terminals formed at the ends of said yoke, a shank slidable through the sleeve and having a jaw, a double cam-faced collar loose on said shank, one cam face of said collar being in confronting relation to the cam end of said sleeve, a socketed handle extension formed with

said collar, a cam-faced part loose upon said shank and confronting the other cam face of said collar, a cap threaded on the shank and act-



ing against the part, and a bushing about said shank and socketed within the sleeve for the fitting of the collar and part thereon with the cap in abutting engagement with said bushing.

2,100,962
VENTILATING APPARATUS FOR TOILETS
Gust Juntunen, Hancock, Mich.
Application September 9, 1936, Serial No. 99,980
1 Claim. (Cl. 4—213)



The combination with a toilet bowl having a hinged seat and a flush tank including an upright overflow pipe therein communicating with said bowl, of a casing surmounting said tank and forming a cover therefor, suction apparatus in said casing including a motor for operating the same, a suction pipe for the apparatus and depending therefrom into said tank for disposal directly over the overflow pipe an outlet pipe for the apparatus and extending through the casing, a switch box on said bowl, a conduit extending from said box through said tank and into said casing, a normally open switch in said box, conductors for the switch and extending therefrom through said conduit and connected in said casing in circuit with said motor, and means for closing said switch on the downward hinging movement of said seat.

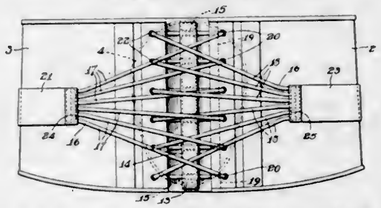
2,100,963
ARTIFICIAL LURE
Merriel Dale Keyser, Edgewood Arsenal, Md.
Application December 21, 1936, Serial No. 117,040
3 Claims. (Cl. 43—42)

1. In a fish lure, a spoon-like body having its front portion thick and shaped like the snout of a minnow and its center of gravity near the end of said front portion, its weight approximately equal to that of an aluminum body of the same size and shape, a gradually receding thickness from a point near the end of the thick front portion to the rear end, and its outer surface



convex and rounded from side to side and end to end, and a hook fixed to said body, said hook having its shank adjacent to said body, the bent portion projecting outwardly from said body, and its pointed end in substantial alinement with the rear end of said body.

2,100,964
SURGICAL BELT
Arthur B. Kendrick, East Orange, N. J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 4, 1936, Serial No. 62,240
4 Claims. (Cl. 128—78)



1. In a surgical belt the combination of two belt members having two adjacent, relatively movable, rearward end portions, a pressure pad inwardly thereof, collapsible parts connecting said end portions and the pad, means for adjustably connecting said end portions, said means including a pair of laces, and means for anchoring the laces of the pair to one of said end portions, one lace of said pair extending between the pad and said end portions and passing freely through an aperture in the end portion opposite that to which the pair of laces is anchored, the other lace of said pair extending from said anchoring means across the space between said end portions outwardly thereof, and the first named lace of said pair extending from said aperture across the space between said end portions outwardly thereof.

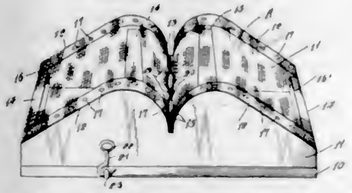
2,100,965
PITMAN
Ralph Kuskie, Grant, Nebr.
Application November 9, 1936, Serial No. 109,999
1 Claim. (Cl. 74—587)



A pitman comprising a tubular member, a housing in engagement with one end of the member, a strap surrounding said housing, means for detachably and adjustably securing the strap on said member, ball bearings supported by said housing, a bearing sleeve engaging the other end of said member and including sections, a strap

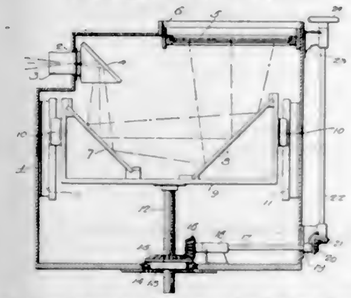
secured to the member and surrounding the sleeve to retain the latter in engagement with the member and the sections thereof assembled, a set bolt carried by the last-named strap to engage the sleeve, a lubricant fitting secured to said housing for furnishing lubricant to the ball bearings, felt washers located in said housing to prevent escape of the lubricant, split rings releasably secured in said housing and retaining the felt washers in position, a block secured in said member adjacent the bearing sleeve to form a lubricant chamber, a lubricant fitting carried by said member for directing lubricant into the chamber, said sleeve having an opening to admit lubricant from the chamber to the inner face of the sleeve.

2,100,966
INSECT TRAP
Joseph Lambert, Pittsburg, Kans.
Application May 19, 1936, Serial No. 80,622
2 Claims. (Cl. 43—121)



1. In an insect trap, a trapping chamber having side walls inclined upwardly from their ends then downwardly to form V-shaped portions at their middles, screen wire fabrics for the trap chamber secured to said walls, the adjacent ends of said screen fabrics terminating between said V-shaped portions and being connected by spaced rivets to provide entrance openings, and the screen fabrics terminating in longitudinal strands extending into the trap chamber to prevent the return of insects.

2,100,967
CAMERA
Lionel F. Levy, Philadelphia, Pa., assignor of fifty one-hundredths to Howard S. Levy, Feasterville, Pa.
Application February 11, 1935, Serial No. 6,113
Renewed May 4, 1937
2 Claims. (Cl. 95—45)



1. In a photographic device including supporting means for a photo-sensitive surface, the combination of a lens, reflecting means having at least one reflecting surface arranged to reflect an image revertively from said lens to a photo-sensitive surface arranged on said supporting means, and means for adjusting said reflecting means toward or from said lens and said photo-sensitive surface to focus the image on said photo-sensitive surface, whereby the light path between said lens and said photo-sensitive surface shortens or lengthens more than the movement of the reflecting means toward or from said lens and said reflecting surface.

2,100,968
MANUFACTURE OF ORGANIC SULPHUR COMPOUNDS
Leon Lilienfeld, Vienna, Austria
No Drawing. Application March 8, 1932, Serial No. 597,641. In Great Britain March 31, 1931
39 Claims. (Cl. 260—151)

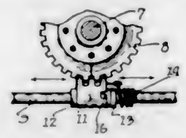
2. Process for the manufacture of aliphatic organic compounds which contain a hydroxyl group, at least one atom of sulphur and at least one halogen atom, wherein a polyhalogenated aliphatic compound containing at least one hydroxyl group is acted upon with such an amount of an inorganic non-oxidized metal compound of sulphur as is substantially below the stoichiometric proportion.

32. An organic compound containing at least one hydroxyl group, at least one atom of sulphide sulphur and at least one halogen atom, said substitutes being attached to different carbon atoms of a polyvalent aliphatic radical, such product being purified by treatment with water and by fractional distillation in a partial vacuum.

2,100,969
MAKING ARTIFICIAL THREADS
Leon Lilienfeld, Vienna, Austria
No Drawing. Original application November 28, 1928, Serial No. 322,590, which in turn is a division of Serial No. 567,428, June 10, 1922. Divided and this application November 7, 1933, Serial No. 697,083. In Austria June 13, 1921
12 Claims. (Cl. 18—54)

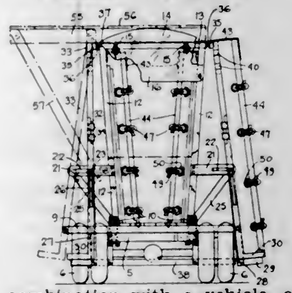
1. A process for the production of artificial threads or filaments which consists in spinning into a liquid setting bath, a solution containing an ether derivative of cellulose in solution in a solvent liquid, said setting bath being composed essentially of water and having a temperature of at least 16° C.

2,100,970
AUTOMATIC SAFETY BRAKE FOR MOTOR VEHICLES
John S. MacMullen, San Francisco, Calif.
Application July 30, 1936, Serial No. 93,496
6 Claims. (Cl. 188—31)



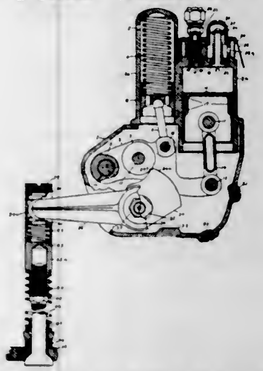
1. In a device of the character described, in combination with a vehicle having a propeller shaft and wheels connected thereto, a gear associated with said propeller shaft, a gear segment pivotally mounted below said gear and adapted to engage the teeth of said gear, means for moving said segment into engagement with said gear, said means including a rod on which said segment is rotatably mounted, and a system of levers extending from said rod to the cab of said vehicle.

2,100,971
PLATE GLASS CARRYING TRUCK
John McDonald, Brooklyn, N. Y.
Application February 17, 1934, Serial No. 711,688
7 Claims. (Cl. 296—3)



1. The combination with a vehicle, of a pair of side racks, one being positioned on each side of the vehicle, a support means upon which said racks are pivotally mounted, said racks being slotted to receive said support means whereby the racks can be moved from vertical position alongside the vehicle to horizontal position atop thereof, and means for joining the ends of the racks when the same are in horizontal position.

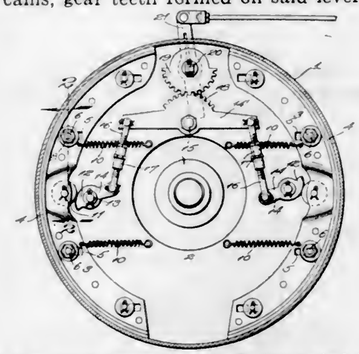
2,100,972
AIR COMPRESSOR
Louis J. Michaels, Dayton, Ky.
Application June 9, 1934, Serial No. 729,763
1 Claim. (Cl. 230—34)



An air compressor consisting of a casing, a cylinder on the casing, a piston in the cylinder, a rocker arm in the casing, pivotally mounted at one end and pivotally associated with the piston at its opposite end, a cam pivotally mounted in the casing and engaging the rocker arm between the ends thereof, said cam having a portion of its surface adapted to produce arm movement and an adjacent portion adapted to establish arm dwell after a limit of arm movement has been reached, stops limiting the action of said cam to said two portions thereof, and a yielding link connecting the cam with a driving element.

2,100,973
INTERNAL BRAKE
Clayton W. Naylor, Eaton Rapids, Mich.
Application May 26, 1936, Serial No. 81,924
1 Claim. (Cl. 188—78)

A brake including a drum and a fixed support, brake shoes slidably mounted on the support and movable towards and from the drum, brake linings for said shoes, springs acting on said shoes to move them away from the drum, rollers journaled to the shoes intermediate their ends, cams pivoted to the support and acting on said rollers, a lever pivoted on the support, tie rods pivoted to the ends of the lever and to the cams, gear teeth formed on said lever adja-

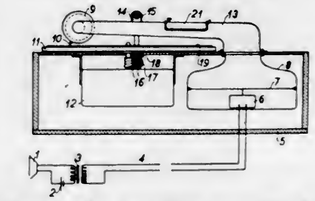


cent the pivot thereof, a shaft journaled in said support, a gear secured on said shaft and meshing with the gear teeth of the lever, a brake arm secured to said shaft and adapted to be connected to a brake operating means and means for effecting a minute adjustment of said tie rods as to length whereby to equalize the pressure applied on said drum by each of said shoes and to apply pressure on said drum by one of said shoes in advance of the other.

2,100,974
SOLDERING PREPARATION
Raymond F. Neilson, Detroit, Mich.
No Drawing. Application July 24, 1935, Serial No. 32,876
2 Claims. (Cl. 148—25)

2. A soldering preparation consisting of a metallic chloride, a metal etching acid, a monoalkyl ether derivative of ethylene glycol, and a surface tension reducing agent selected from a group of substances consisting of soap-like glucosides of vegetable derivation and monocarboxylic acids of the olefin series.

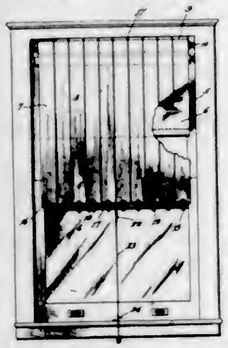
2,100,975
SOUND RECORDING
Leopold Neumann, Vienna, Austria, assignor to Ronag A.-G., Chur, Switzerland
Application August 17, 1936, Serial No. 96,513
In Austria December 13, 1935
1 Claim. (Cl. 179—100.4)



In apparatus for recording acoustic oscillations a sound-conducting tube filled with a gaseous fluid, an electrically excited diaphragm at one end of the said tube and adapted to close over the said end, and an acoustically operated recording

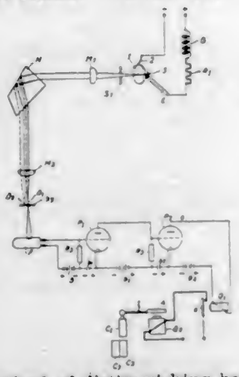
sound-box built into the other end of the said tube, the said electrically excited diaphragm being of larger area than the diaphragm of the said acoustically operated recording sound-box, so that the oscillations of the said larger diaphragm are converted into oscillations of the smaller diaphragm of greater amplitude, as and for the purpose specified.

2,100,976
VENETIAN SHADE
Chester H. Norton, Louisville, Ky.
Application July 6, 1936, Serial No. 89,177
7 Claims. (Cl. 156—16)



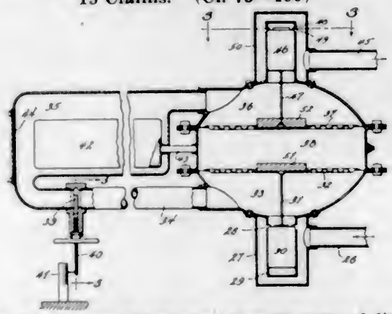
1. A shade comprising a supporting roller, spacing members carried by the roller, vertically disposed flexible slats having their upper ends secured to the roller between the spacing members, a transverse bar extending across the lower ends of the slats, and an independent pivotal connection between each slat and said bar to permit independent angular adjustment of the slats by individually turning the slats from their lower ends.

2,100,977
TESTING METAL ARTICLES
Hjalmar Leonard Pettersson, Stockholm, Sweden, assignor to Patentaktiebolaget Ambia, Stockholm, Sweden
Application July 15, 1935, Serial No. 31,529
In Sweden July 21, 1934
14 Claims. (Cl. 194—100)



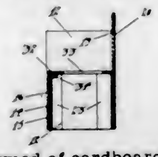
1. The method of distinguishing between genuine coins, tokens or like metallic articles having a definite, known composition and spurious articles of other materials which comprises the steps of producing an electric discharge having a spectrum characteristic of the material of the article being tested, directing the spectrum of the discharge toward a light-sensitive device, preventing all but certain predetermined wave lengths peculiar to the spectrum of a genuine article from affecting said device, and utilizing the output of said light-sensitive device for indicating when a genuine article is being tested.

2,100,978
APPARATUS FOR MEASURING AND DELIVERING GAS QUANTITIES REDUCED TO A NORMAL CONDITION
Paul Rheinländer, Hagen, in Westphalia, Germany, assignor to Askania-Werke A. G. vormals Central Werkstatt Dessau und Earl Bamberg-Friedenau, a German company
Application August 2, 1933, Serial No. 683,308
In Germany August 5, 1932
15 Claims. (Cl. 73—199)



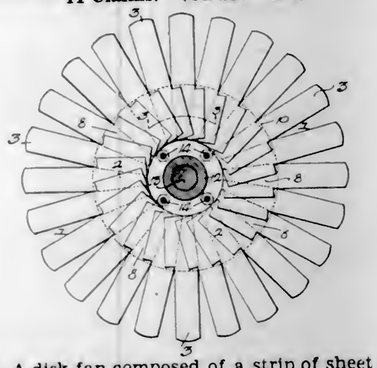
1. Apparatus of the class described for delivering constant gas quantities reduced to a normal condition, comprising in combination, a passage for the gas to be delivered; a constriction in said passage; and two regulating means one of which maintains the pressure of the gas upstream of said constriction proportionally equal to the absolute temperature of said gas upstream of said constriction, the other of said regulating means being connected to maintain the difference in pressures of the gas on opposite sides of said constriction substantially constant.

2,100,979
FOLDABLE SEAT
Allen W. Rowe, Binghamton, N. Y.
Application September 17, 1935, Serial No. 40,914
2 Claims. (Cl. 155—41)



2. A seat formed of cardboard or the like, comprising a single blank of material provided with a plurality of cuts and scorings to form back, side, front and seat sections, said sections being bent along said cuts and scorings, said side sections having flaps adapted to be bent to underlie and to support said seat section, and means for securing said sections in their bent positions in seat form, said seat section being selectively foldable adjacent said front section, and an auxiliary seat member adapted to be supported upon the upper edge of said front section and said flaps, said auxiliary seat having a rib on the underside thereof for engaging the folded seat section for retaining the auxiliary seat in position.

2,100,980
DISK FAN
Walter M. Schwartz, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application January 28, 1936, Serial No. 61,218
11 Claims. (Cl. 230—134)



1. A disk fan composed of a strip of sheet material and comprising a plurality of blades projecting radially from and spaced angularly about a common axis extending substantially perpendicular to the general plane of the fan, said blades being uniformly pitched with respect to said axis and said plane and each including a base portion disposed adjacent said axis, said base portions being arranged in overlapping relation to each other around said axis with one edge of each base portion joined to the opposite edge of the base portion of the next adjacent blade by a connecting portion forming part of said strip together with said blades and said base portions thereof.

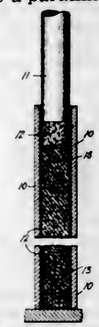
2,100,981
CONSTRUCTION OF BILLIARD TABLES
Richard Seifert, Vienna, Austria, assignor to Metallbillard A. G., Chur, Switzerland, a Swiss company
Application February 19, 1936, Serial No. 64,742
In Austria February 27, 1935
5 Claims. (Cl. 273—6)



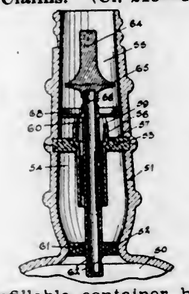
1. A billiard table, pool table and the like, comprising in combination a self-supporting playing plate of a single piece of artificial stone, means cast in and extending out of said plate for securing legs directly to said plate, and means in said plate for attaching the cushions to said plate.

2,100,982
DEVICE FOR BLACKING SIGHTS OF WEAPONS
David M. Shoup, Bremerton, Wash.
Application August 5, 1936, Serial No. 94,471
4 Claims. (Cl. 93—2)

1. The step in a method of manufacturing a device for blacking the sights of weapons consisting of pressing a supply of camphor in finely comminuted form into a paraffin cylinder rigidly supported throughout its entire wall to produce a solid camphor body coated with paraffin.



2,100,983
NONREFILLABLE CONTAINER
Myer Sigman, Cleveland, Ohio
Application August 6, 1936, Serial No. 94,646
5 Claims. (Cl. 215—14)



1. A non-refillable container having a liquid containing body portion and an integral throat portion, the throat portion having an opening for dispensing quantities of a liquid contained in the body portion and conducted by the throat portion, a wall element supported in the throat and dividing the throat into an outermost and an innermost portion, a second wall element supported in the innermost throat portion in spaced relation to the first named wall element to form a chamber therebetween, a hollow stem having closed ends and a side opening at each end extending through said elements and chamber for conducting liquid from the body portion to the outermost throat portion, said stem located so that the opening of one end is located in spaced relation to the outermost surface of the first named wall element, a second hollow stem extending through the first named wall element and having an opening located more proximate to the outermost surface of the first named wall element for conducting liquid introduced in the outermost throat portion into said chamber to thereby indicate said introduction.

2,100,984
ADAPTER FOR INCANDESCENT BULBS
Emanuel C. Smally, Canton, Ohio, assignor of one-half to Kenneth B. Cope, Canton Ohio
Application August 21, 1935, Serial No. 37,171
6 Claims. (Cl. 240—143)

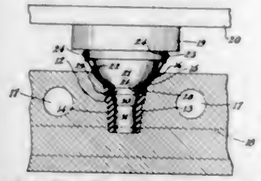
1. An adapter for electric lamps and the like including an insulation base having a longi-

tudinal opening of substantially uniform diameter extending entirely therethrough, a sheet metal base shell located around the sides and rear end of said insulation base, a sheet metal socket shell located within the opening of the insulation base and directly connected at its rear



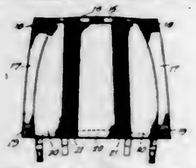
end to said base shell forming a unit therewith, a center contact insulated from both shells and extending through the rear end of the adapter, said insulation base extending forwardly beyond said base shell, and a reflector fixed to the forwardly extending portion of the insulation base.

2,100,985
MOLDING APPARATUS
Emanuel C. Smally, Canton, Ohio, assignor of one-half to Kenneth B. Cope, Canton, Ohio
Application October 19, 1935, Serial No. 45,789
2 Claims. (Cl. 18—34)



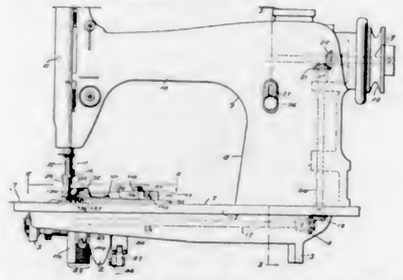
1. Apparatus for forming an insulation base with a sheet metal member having a portion imbedded in said base, comprising a cavity mold member having a cavity therein shaped to form the exterior of the insulation base, a plunger mold member shaped to form the interior of the insulation base, means upon the plunger mold member for attaching the sheet metal member, and means upon said mold members for clamping the sheet metal member therebetween at a single line contact only.

2,100,986
BODY MOLDING GARMENT
Howard A. Smith and May E. Smith, Fairfield, Conn.
Application June 27, 1936, Serial No. 87,605
5 Claims. (Cl. 2—37)



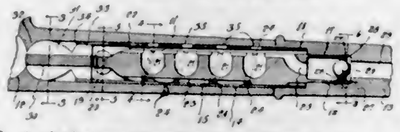
1. A relatively light-weight foundation garment including a vertically stretchable back section woven from relatively sheer elastic yarn, said back section having two spaced bands extending between the top and bottom edges of the section, each band being formed of a plurality of strands of elastic thread of considerably larger gauge than the elastic yarn, said strands being woven into the fabric comprising the back section, said bands extending over high point regions of the buttocks to flatten them and to cause the garment better to cling to the body without appreciably interfering with the natural freedom of movement permitted by the back section.

2,100,987
PINKING MECHANISM FOR SEWING MACHINES
Adolph Spielman, Philadelphia, Pa., assignor to Sarah Spielman, Philadelphia, Pa.
Application June 15, 1936, Serial No. 85,418
14 Claims. (Cl. 112—124)



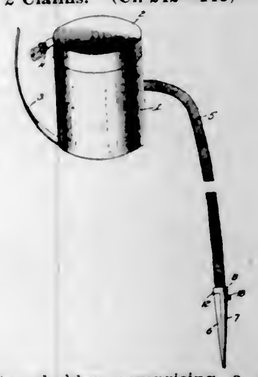
1. A pinking attachment for a sewing machine having a work-supporting surface, said attachment comprising a rotary pinking wheel rotatably mounted beneath said surface about an axis substantially parallel to said surface and a cooperating rotary anvil disk rotatably mounted above said surface about an axis substantially perpendicular to said pinking wheel axis with a flat side of the disk in contact with the peripheral face of the pinking wheel.

2,100,988
SMOKING PIPE
George Lee Tanner, Dacula, Ga.
Application December 19, 1935, Serial No. 55,249
3 Claims. (Cl. 131—12)



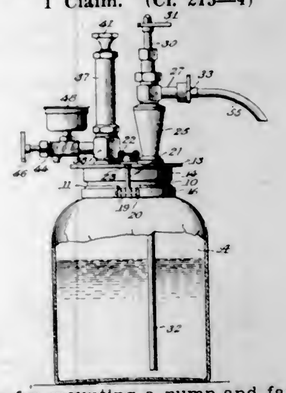
2. A chokeless pipe having a bowl, a stem communicating therewith and leading therefrom, a mouth piece communicating with the stem, a tube within the bore of the stem and mouth piece connecting them together, a core within and removable with the tube, said core having a plurality of wells, a plurality of smoke passages communicating with the bowl, wells and mouth piece, said passages including a longitudinally extending passage communicating with the wells at the tops thereof and with the bore of the mouth piece, spiral passages exteriorly surrounding the core and intersecting the wells at the tops thereof, a longitudinally extending passage communicating with all of the last-mentioned passages and terminating short of the front of the core, an extension at the forward end of the core disposed in the mouth piece, an obstruction carried by said extension, knob means adjacent the forward end of the tube having a plurality of longitudinally extending passages communicating with the bore of the tube, said knob having a part disposed in the tube, and said tube being upset to retain said knob.

2,100,989
TWINE HOLDER
Obadiah N. Tomlinson, Howell, Ga.
Application October 26, 1936, Serial No. 107,719
2 Claims. (Cl. 242—146)



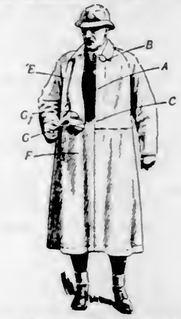
1. A twine holder comprising a container, tubular flexible means secured to the container for the passage of the twine therethrough, tensioning means secured to the outer end of the tubular flexible means and including a pair of sections providing a body of elongated substantially conical formation, one of said sections being hollow, the other section being solid and hingedly secured to the first section, the solid section having a flat serrated inner face, spring means in the hollow section and engageable with the serrated face to contact the twine to hold the latter under tension, and said body having a twine outlet at the apex end thereof.

2,100,990
LIQUID DISPENSING APPARATUS
Leonard W. Valentine, Baltimore, Md.
Application April 29, 1935, Serial No. 18,901
1 Claim. (Cl. 215—4)



Means for mounting a pump and faucet pressure-tight upon a container, including a cylindrical neck integral with the container, an annular bead extending circumferentially around the neck about midway between the container and the rim of the neck, said bead having a pair of gaps disposed diametrically opposite each other therein, a lug on the neck rising from the bead midway between the gaps and extending to the top of the neck, a disc cover for supporting the pump and faucet on the neck having a skirt telescopically receiving the neck, there being a notch formed in the skirt receiving the lug and anchoring the cover against rotation, a clamp ring having a pair of half circular sections encircling the neck and having inwardly directed bottom flanges disposed beneath the bead, a resilient gasket on the flanges engaging underneath and embracing the bead and preventing the clamp ring from damaging the neck, the clamp ring sections having perforated ears disposed at the gaps in the bead, adjusting screws for drawing the ears together to tighten the clamp ring, binding posts pivoted at the lower ends on said adjusting screws, the cover having a peripheral flange provided with seats receiving the upper ends of the binding posts, nuts on the binding posts engaged with the cover to hold the cover tightly down upon the neck, and a gasket between the cover and the rim of the neck compressed by the cover to prevent pressure leakage from the container.

2,100,991
WEARING APPAREL
William Hainsworth Watson, Bradford, England, assignor to Burberrys Limited, London, England
Application February 24, 1937, Serial No. 127,490
In Great Britain January 3, 1936
4 Claims. (Cl. 2—85)

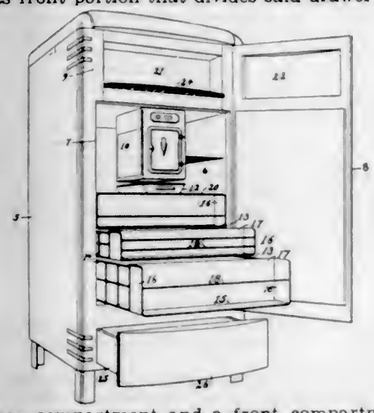


1. An outer garment comprising a neck portion, a body portion extending from said neck portion to the waist line of the wearer, a skirt portion attached to the lower edge of said body portion, a sleeve united to said body portion, said body portion having an opening at the front thereof extending vertically therealong from said neck portion to the upper edge of said skirt portion, the lower edge of said body portion being detachably connected along a horizontal line to said upper edge of the skirt portion from said opening to a point below the armpit of the wearer of the garment, and a brace having one end attached to the upper edge of the skirt about midway of the free edge thereof and the other end attached at the back of the neck part of the garment, said neck, body portion and sleeve forming a flap, said flap being discardable from the wearer without permitting or causing the garment to drop from the wearer.

2,100,992
REFRIGERATOR STRUCTURE
Harry Woodhead, Roy A. Plumb, and Thomas A. Sindelar, Cleveland, Ohio, assignors to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application October 1, 1935, Serial No. 43,124
5 Claims. (Cl. 62—89)

1. In a refrigerator including a casing having a chamber for the goods to be refrigerated pro-

vided with a doorway, and refrigerating means within the chamber, a drawer having an open front and an open top mounted in the chamber and movable outwardly through the doorway, said drawer having a transverse partition in rear of its front portion that divides said drawer into



a rear compartment and a front compartment, the front compartment being accessible through the doorway by way of the open front of the drawer when the drawer is within the chamber, and the rear compartment being accessible by way of the open top of the drawer when the drawer is moved outwardly.

2,100,993

PROCESS FOR PREPARING ESTERS AND PRODUCTS

Herman A. Bruson, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application December 14, 1934, Serial No. 757,456

16 Claims. (Cl. 260—2)

1. A process for making esters of alpha-methacrylic acid and primary monohydric alcohols containing more than five carbon atoms, which comprises reacting the corresponding ester of alpha-hydroxyisobutyric acid with from ½ to 1 mol. equivalent of phosphorus pentoxide in the presence of a volatile organic liquid which is inert towards the reactants; filtering off any solid material, and distilling the resulting solution.

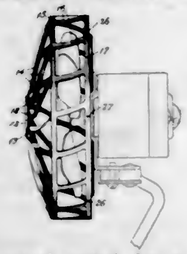
2,100,994

FAN GUARD

Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application February 6, 1936, Serial No. 62,562

13 Claims. (Cl. 230—275)



1. A sheet metal guard for a rotatable fan structure comprising sheet metal parts presenting front, circumferential and rear sections, said front and circumferential sections together including a front central portion, a rim flange near the front of said circumferential section, spaced stays permitting air currents to pass therebetween and extending from said rim flange to said central portion, a ring near the back of said circumferential section, and spaced ties extending rearwardly from said rim flange and joining the same and said ring; said rear section being formed of one piece of sheet metal and including a rim flange telescopically engaging said ring, and a plurality of radial members extending inwardly from the rim flange last mentioned for supporting said rear section on the frame of a fan motor.

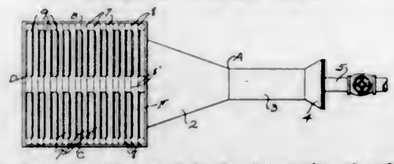
2,100,995

GAS BURNER

Frank H. Le Compte, Wichita, Kans., assignor of one-half to O. A. Keach, Wichita, Kans.

Application September 9, 1936, Serial No. 100,004

3 Claims. (Cl. 158—104)



1. In a gas burner, a fuel mixing chamber having an open top for supporting a grate, a grate formed of assembled bars arranged transversely of the incoming stream of fuel mixture, each bar being generally rectangular in cross-section with one side only recessed to form a narrow fuel discharge slot when in place against the opposite side of an adjacent bar, and one edge only of each bar being recessed, said bars being assembled with the recessed edges faced alternately in upward and downward directions for the purposes set forth.

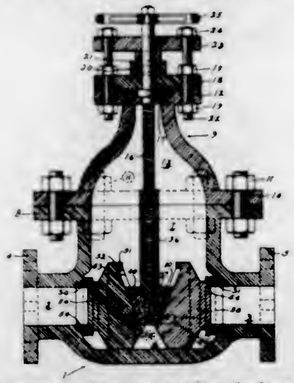
2,100,996

GATE VALVE

John N. Moore, Oklahoma City, Okla., assignor of one-half to Tom G. Drake, Oklahoma City, Okla.

Application February 13, 1936, Serial No. 63,702

2 Claims. (Cl. 251—71)



1. In a valve, a housing, a flow-hole extending therethrough and comprised of an axially alined inlet and outlet, a valve chamber between the inner ends of the flow-hole and extending upwardly therefrom perpendicularly, a removable bonnet over the chamber, a shaft rotatably carried by the bonnet and held against longitudinal movement with relation thereto, said shaft having its lower end threaded, an internally threaded sleeve engaged by the threads of the shaft and having a square head on its lower end, a wedge positively engaged by the head and having oppositely disposed inwardly and downwardly beveled surfaces, a closure for the inner end of the inlet and another for the inner end of the outlet, each closure dove-tailed to one of the inclined faces of the wedging element, and means carried cooperatively by the housing, by the closures, and by the wedge for forcing the closures to remain adjacent each other while they are in the chamber above the flow-hole, for releasing them to movement away from each other by the wedge when they reach a position in the flow-hole in axial alinement therewith, and for preventing rotation of the wedge; said means including: an inverted substantially T-shaped groove carried by the housing walls at each side of the flow-hole, said grooves being alined with each other in similar positions with relation to the flow-hole; outstanding lugs carried by the wedge, slidably engaged in the grooves, and confined within the leg portions thereof; and, outstanding lugs carried by the closures and slidably engaged within the grooves, the last mentioned lugs adapted to slide upwardly and downwardly in the leg portions of the grooves as the wedge is moved vertically, and adapted to slide horizontally within the horizontal portions of the grooves after they reach the lowermost end of their throws if downward movement of the wedge is continued.

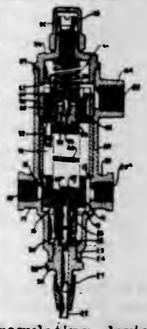
2,100,997

PRESERVATION OF RUBBER

Philip Sherman Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application June 18, 1935, Serial No. 27,181

10 Claims. (Cl. 137—153)



1. A pressure regulating device comprising a casing having an inlet and an outlet, and a pressure chamber for receiving fluid under pressure and through which chamber the inlet and the outlet communicate, said casing having a second pressure chamber for receiving fluid under pressure, said second-named chamber having an outlet, flexible pressure responsive means in said casing and acted upon by the pressures of the fluids in both of said chambers, said pressures opposing each other with the pressure of the fluid in said second-named chamber being greater than atmospheric pressure and less than the pressure in the first-named chamber, a valve for controlling flow from said first-named outlet and actuated by said pressure responsive means, valve means controlling the outlet of said second-named chamber, and pressure responsive means for actuating said valve means, said last-named pressure responsive means being responsive to the pressure in said second-named chamber to maintain a substantially constant pressure therein.

2,100,998

PRESERVATION OF RUBBER

Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 9, 1935, Serial No. 10,175

13 Claims. (Cl. 18—50)

1. The method of preserving rubber which comprises treating rubber with a product obtainable by treating 2,2,4-trimethyl-dihydroquinoline with a strong non-oxidizing mineral acid, and in addition thereto a diaryl p-phenylene diamine as an activator for said acid treated quinoline body.

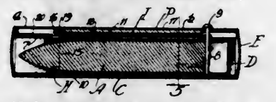
2,100,999

LIPSTICK CONTAINER

Edward C. Anderson, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois

Application July 1, 1936, Serial No. 88,406

6 Claims. (Cl. 132—79)



1. An article container comprising an elongated case open upon one side and at one end, a closure for the open side comprising a panel fitted therewithin and pivoted intermediately of its ends to the case for swinging movement through substantially 90°, and an article holder slidable into and out of the case through its open end adapted when advanced into the case to engage the pivoted panel to swing it into closed position.

2,101,000

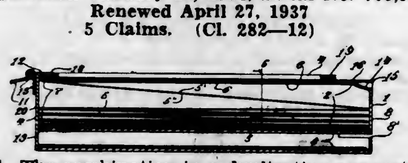
DUPLICATOR

James G. Brennan, Baltimore, Md.

Application January 17, 1934, Serial No. 706,924

Renewed April 27, 1937

5 Claims. (Cl. 282—12)



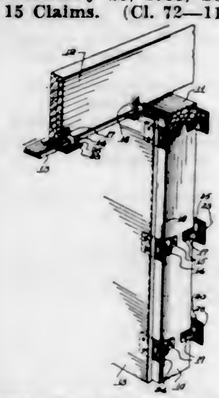
1. The combination in a duplicating apparatus comprising a box adapted to receive and fit closely upon a Z folded multiple web composed of successive record slips, the said box and multiple web being substantially the same size, said box having a stationary top wall which serves as a writing plate over which the web is drawn rearwardly to successive writing positions, a top frame having an opening to expose the sheet on the plate for writing, a front flange to close the front of the box which is otherwise open beneath the writing plate to receive the tablet, the forward edge of the writing plate being spaced backwardly from the front plate of the frame in closed position by a distance just sufficient to permit free passage of the web from the Z tablet, said tablet having weakened lines separating it into record slips, the said front edge being thin and sharp to enter and maintain the sharp fold of the paper web, thus serving as a positive positioning edge to engage the weakened lines between the successive record slips as the web is folded

about said edge due to the tension in feeding the front flange having a plate extending backwardly and overlying said edge and spaced upwardly therefrom by a distance just sufficient to pass the web which is led about said edge upwardly and backwardly, the writing plate having at its rear end a tearing edge to sever the written sheets as they are drawn forwardly.

2,101,001
BUILDING CONSTRUCTION

Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application February 23, 1935, Serial No. 7,702
15 Claims. (Cl. 72—118)

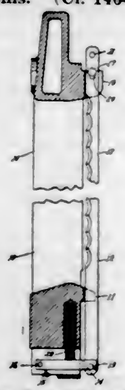


1. A resilient clip structure for building constructions, comprising a resilient loop, a perforated plate associated with one end of said loop and adapted to receive board attaching screws, said plate having closely spaced perforations the edges of said perforations being adapted to act as threads for said board attaching screws, and means on the other end of said resilient loop for attachment to a building frame.

2,101,002
MOUNTING FOR SLICER BLADES

Donald M. Fincke, Great Neck, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application December 10, 1936, Serial No. 115,115
4 Claims. (Cl. 146—153)



1. A knife blade for a bread slicing machine comprising a thin, flat, elongated body having a sharpened edge and a blade supporting member comprising a rivet projecting through and beyond the faces of said blade, and said rivet having at each side of the blade a head of considerably larger diameter than that of the rivet shank, each head having a face engaged firmly with a contiguous annular area of the blade, and said heads being of like dimensions and contour, presenting at each side of the blade a smooth cylindrical bearing surface extending outwardly at right angles to said annular area.

2,101,003
ELASTIC STRAND

William J. Fox, Philadelphia, Pa., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application August 3, 1936, Serial No. 94,003
9 Claims. (Cl. 117—57)

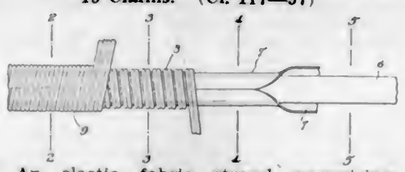


1. An elastic fabric strand comprising a rubber core, inner covering threads surrounding the core, outer covering threads surrounding the inner threads, and a flat strip of rubber extending longitudinally of the strand between said inner threads and said outer threads, said strip being transversely deformed by said outer covering threads and embracing said core and said inner threads.

2,101,004
ELASTIC STRAND

William J. Fox, Philadelphia, Pa., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application February 23, 1937, Serial No. 127,288
19 Claims. (Cl. 117—57)

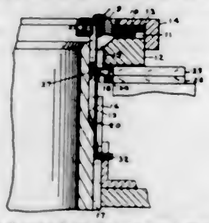


1. An elastic fabric strand comprising a stretchable, elastic, rubber core extending longitudinally of the strand; a stretchable, elastic, rubber ribbon extending longitudinally of the strand; and covering threads surrounding said core and said ribbon and transversely deforming the ribbon into contact with the rubber core.

2,101,005
KNITTING MACHINE

Robert H. Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls., R. I., a corporation of Massachusetts

Application March 20, 1930, Serial No. 437,560
Renewed August 25, 1934
24 Claims. (Cl. 66—8)

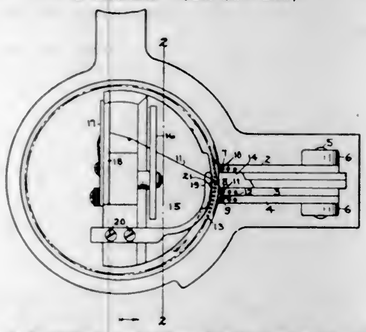


1. A jack adapted to be associated with a sinker and including a laterally extending sinker engaging part and a butt for engagement by cams, the sinker engaging part and butt extending substantially at right angles to one another.

2,101,006
YARN CHANGE MECHANISM FOR KNITTING MACHINES

Robert H. Lawson, Pawtucket, and Augustin Gagne, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application June 3, 1931, Serial No. 541,856
4 Claims. (Cl. 66—140)

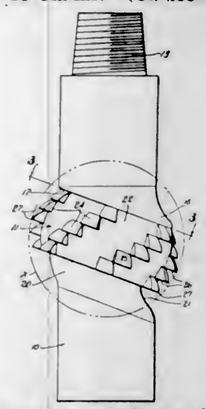


3. A knitting machine having means at one side of the needles for feeding yarns thereto, means at the other side of the needles for engaging a yarn when first moved to a feeding position with respect to the needles to retain the said yarn in a position always to be first engaged by the same needle, the said yarn thereafter being moved to a position to be engaged by following needles.

2,101,007
WELL REAMER

Charles J. Maher, Los Angeles, Calif.

Application November 9, 1934, Serial No. 752,299
13 Claims. (Cl. 255—73)

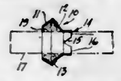


1. A well reamer including a shank adapted to be connected in a drilling string, a cutter surrounding and rotatably supported on the shank, and circumferentially and vertically spaced cutting parts on the cutter adapted to operate in a path constituting a portion of a sphere and simultaneously contact the wall of the well bore at spaced points throughout its circumference.

2,101,008
MITE KILLER ATTACHMENT FOR BIRD CAGE PERCHES

Frederick Mayer, New York, N. Y., assignor to Cornell Center Homeopathic Bird Remedy Co., Inc., New York, N. Y., a corporation of New York

Application June 6, 1936, Serial No. 83,827
2 Claims. (Cl. 119—25)

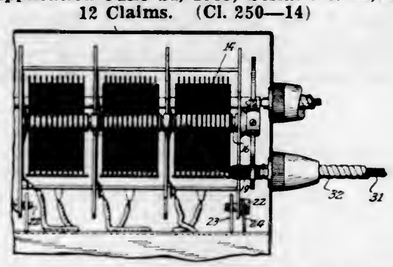


1. A mite killer attachment for bird cage perches comprising a horizontally extending hollow body open at its inner and outer ends, and a hollow hub extending outwardly from the body about the open inner end thereof for fitting about a perch, the wall of the body being channel-shaped in cross section to provide a receptacle having inner and outer wall portions diverging from each other towards ends of the body, and the open outer end of the body being of greater diameter than said hub to dispose margins thereof in spaced relation to the surface of a perch snugly received in the hub.

2,101,009
RADIO TUNING APPARATUS

Donald H. Mitchell, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois

Application June 24, 1935, Serial No. 28,037
12 Claims. (Cl. 250—14)



5. In a radio receiving set, a housing, a chassis removably located within said housing, a tuning condenser on said chassis including a rotatably mounted shaft, a gear mounted on said shaft for rotating said tuning condenser, a pinion rotatably mounted on said housing and meshing with said gear, and means accessible from the outside of the housing for adjusting one of said meshing members with respect to its support means to properly space said meshing members with respect to one another in spite of variations in the position of said chassis within said housing.

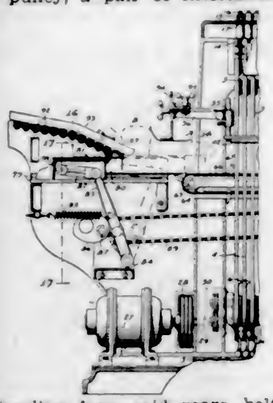
2,101,010
BREAD SLICING MACHINE

Charles H. Petskeyes, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware

Application March 15, 1934, Serial No. 715,694
10 Claims. (Cl. 146—88)

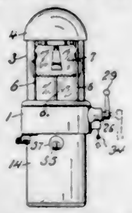
1. In a slicing machine, a series of individual pulleys, each pulley having its axis offset with respect to the other pulleys in said series according to the thickness of the slices to be produced, a second series of pulleys, each having its axis offset with respect to the other pulleys in said series according to the thickness of the

slices to be produced and each lying in the plane of a pulley in the other series, an endless cutter band carried by each pair of coplanar pulleys, each of said pulleys of one of said series having a driving pulley, a pair of intermeshed gears,



shafts extending from said gears, belts carried by one of said shafts and some of said driving pulleys, belts carried by the other of said shafts and the other of said driving pulleys, and means for driving said gears.

2,101,011
FARE RECEPTACLE
William P. Pitt and Frederick D. Pitt, Kansas City, Mo., assignors to The Pitt Corporation, Kansas City, Mo., a corporation of Missouri
Application May 24, 1935, Serial No. 23,231
14 Claims. (Cl. 232—16)

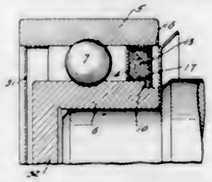


1. In a fare receptacle, a fare receiver having a fare outlet, a safe having a fare inlet and removably engaging said receiver and revoluble to and from a position in which said inlet will register with said outlet for receiving fares discharged therefrom, means for closing said inlet, and means engageable by said inlet closing means for locking said safe from being turned from said position.

2,101,012
CLEANING OF FILTER SURFACES
Hoyt A. Pond and Elvis E. Perry, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 11, 1937, Serial No. 142,068
7 Claims. (Cl. 210—62)

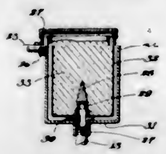
1. The method of cleaning filter leaves used in the filtration of petroleum tars, which comprises subjecting the leaves to the action of a hot petroleum hydrocarbon tar solvent, withdrawing the leaves from the action of the hot solvent, then subjecting the leaves to the action of a hot concentrated water solution of a caustic alkali, withdrawing the leaves from the action of this solution, passing steam through the leaves, and then washing the leaves with hot water.

2,101,013
BEARING SEAL
Fayette Leister and John W. Smith, New Britain, Conn., assignors to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Application October 4, 1934, Serial No. 746,788
2 Claims. (Cl. 286—5)



1. Seal means for a bearing comprising inner and outer bearing rings with interposed antifriction bearing members, said seal being between said inner and outer bearing rings and including a ring of absorbent material surrounding the inner ring, the inner diameter of the absorbent ring being slightly greater than the diameter of that part of the inner ring which it surrounds, whereby there is a slight clearance of capillary dimensions between said inner ring and said absorbent ring.

2,101,014
DRY CLEANING APPARATUS AND FLUID CIRCULATING SYSTEM THEREFOR
Louis Angelus, New York, and Daniel Lawrence Baylis, Bellerose, N. Y.; said Baylis assignor to said Angelus
Application April 12, 1935, Serial No. 15,986
1 Claim. (Cl. 210—62)

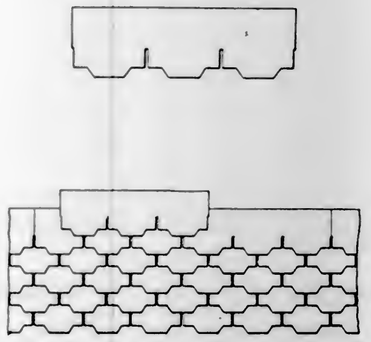


In a dry cleaning apparatus, a porous bag, a closed circulatory system whereby a quantity of cleaning fluid is continuously forced into and through said bag, a layer of adsorptive material lining the inside of said bag, a cartridge having an openable top and a frangible bottom and containing a measured charge of said material, a chamber in the circulatory system adapted to accommodate said cartridge, and means associated with said chamber for puncturing the frangible bottom of said cartridge during its insertion thereinto.

DESIGNS

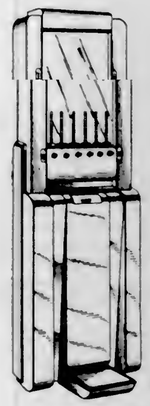
NOVEMBER 30, 1937

107,209
DESIGN FOR A ROOFING OR SIDING
Jack J. Batell, Crete, Ill.
Application December 22, 1936, Serial No. 66,684
Term of patent 14 years



The ornamental design for a roofing or siding substantially as shown.

107,210
DESIGN FOR A COMBINATION VENDING MACHINE AND SCALE
William George Behling, Brooklyn, N. Y.
Application February 9, 1937, Serial No. 67,534
Term of patent 3½ years



The ornamental design for a combination vending machine and scale, as shown and described.

107,211
DESIGN FOR A SHOE
Benjamin Benjamin, Brooklyn, N. Y.
Application October 27, 1937, Serial No. 72,451
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,212
DESIGN FOR A SHOE
Benjamin Benjamin, Brooklyn, N. Y.
Application October 27, 1937, Serial No. 72,452
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,213
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application October 30, 1937, Serial No. 72,525
Term of patent 3½ years



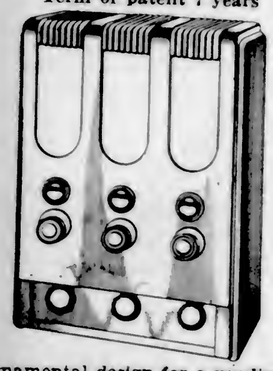
The ornamental design for a sweater, substantially as shown, and described.

107,214
DESIGN FOR A SWEATER
Hans Boepple, New York, N. Y.
Application October 30, 1937, Serial No. 72,526
Term of patent 3½ years



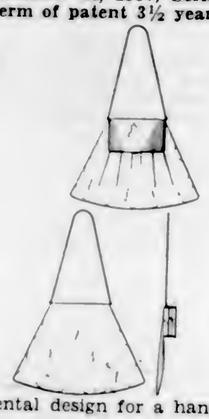
The ornamental design for a sweater, substantially as shown.

107,215
DESIGN FOR A VENDING MACHINE
David S. Bond, Brookline, Mass.
Application June 16, 1936, Serial No. 63,321
Term of patent 7 years



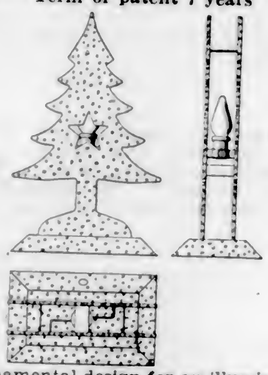
The ornamental design for a vending machine substantially as shown and described.

107,216
DESIGN FOR A HANDBAG OR THE LIKE
William F. Bowen, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application October 11, 1937, Serial No. 72,122
Term of patent 3½ years



The ornamental design for a handbag or the like as shown.

107,217
DESIGN FOR AN ILLUMINATED ARTIFICIAL CHRISTMAS TREE
Odilon Charette, Fitchburg, Mass.
Application July 29, 1937, Serial No. 70,722
Term of patent 7 years



The ornamental design for an illuminated artificial Christmas tree, as shown.

107,218
DESIGN FOR A SHOE
David S. Cohen, Brooklyn, N. Y.
Application October 27, 1937, Serial No. 72,450
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,219
DESIGN FOR AN ASHTRAY
George R. Debnam, Baltimore, Md.
Application May 11, 1937, Serial No. 69,299
Term of patent 3½ years



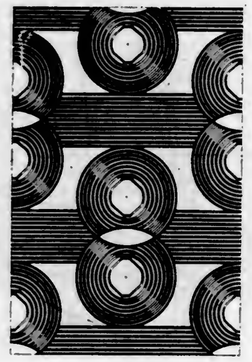
The ornamental design for an ashtray substantially as shown.

107,220
DESIGN FOR A TEXTILE FLOOR COVERING
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1937, Serial No. 69,739
Term of patent 3½ years



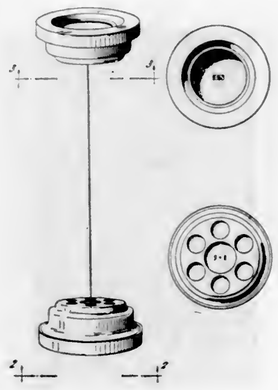
The ornamental design for a textile floor covering, as shown and described.

107,221
DESIGN FOR A TEXTILE FLOOR COVERING
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1937, Serial No. 69,742
Term of patent 3½ years



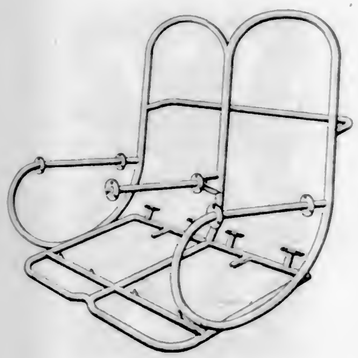
The ornamental design for a textile floor covering, as shown and described.

107,222
DESIGN FOR A TOY TELEPHONE
George Dobrusin, Chicago, Ill.
Application September 16, 1937, Serial No. 71,644
Term of patent 7 years



The ornamental design for a toy telephone, as shown.

107,223
DESIGN FOR AN UPHOLSTERY SUPPORTING FRAME FOR A RAILWAY COACH OR BUS CHAIR
Warren R. Elsey, Merion, Pa.
Application July 26, 1937, Serial No. 70,668
Term of patent 14 years



The ornamental design for an upholstery supporting frame for a railway coach or bus chair, as shown.

107,224
DESIGN FOR A BROCATELLE FABRIC
Emile Ericson, Pelham, N. Y., assignor to Whitehouse Fabrics, Inc., New York, N. Y., a corporation of New Jersey
Application October 19, 1937, Serial No. 72,305
Term of patent 3½ years



The ornamental design for a brocatelle fabric substantially as shown.

107,225
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application February 21, 1936, Serial No. 61,290
Term of patent 14 years



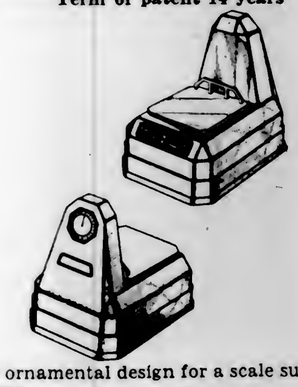
The ornamental design for a bottle, as shown.

107,226
DESIGN FOR A BOTTLE
John H. Funkey, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application October 25, 1937, Serial No. 72,424
Term of patent 14 years



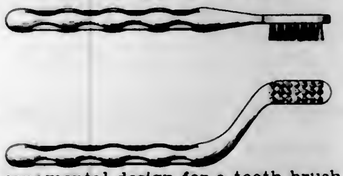
The ornamental design for a bottle, as shown.

107,227
DESIGN FOR A SCALE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application June 7, 1937, Serial No. 69,729
Term of patent 14 years



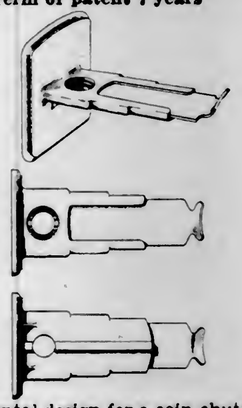
The ornamental design for a scale substantially as shown.

107,228
DESIGN FOR A TOOTH BRUSH
Louis Goodman, New York, N. Y.
Application September 22, 1937, Serial No. 71,717
Term of patent 7 years



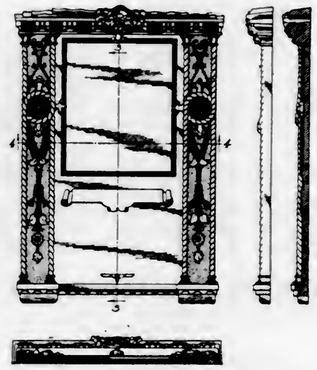
The ornamental design for a tooth brush, substantially as shown.

107,229
DESIGN FOR A COIN CHUTE MOUNTING PLATE
Bernhard C. Grunig, Chicago, Ill.
Application September 20, 1937, Serial No. 71,693
Term of patent 7 years



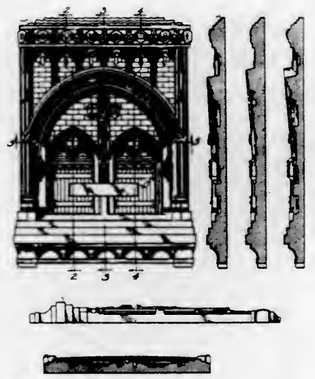
The ornamental design for a coin chute mounting plate, as shown.

107,230
DESIGN FOR A PLAQUE
Samuel L. Hefter, Chicago, Ill.
Application September 7, 1937, Serial No. 71,488
Term of patent 3½ years



The ornamental design for a plaque, as shown.

107,231
DESIGN FOR A PLAQUE
Samuel L. Hefter, Chicago, Ill.
Application September 7, 1937, Serial No. 71,489
Term of patent 3½ years



The ornamental design for a plaque as shown.

107,232
DESIGN FOR A FRATERNAL CHARM OR SIMILAR ARTICLE
William E. Holler, Birmingham, Mich.
Application July 26, 1937, Serial No. 70,667
Term of patent 7 years



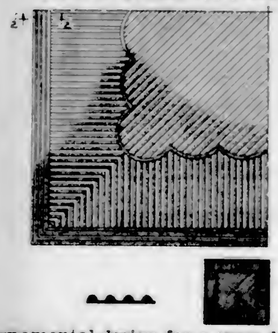
The ornamental design for a fraternal charm or similar article as shown.

107,233
DESIGN FOR A SHOE
Alphons Hurzeler, New Rochelle, N. Y.
Application October 29, 1937, Serial No. 72,498
Term of patent 3½ years



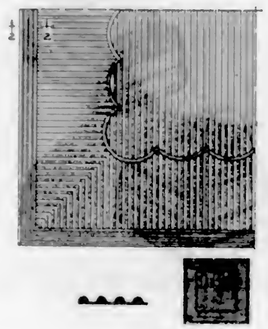
The ornamental design for a shoe substantially as shown.

107,234
DESIGN FOR A SPREAD, OR SIMILAR ARTICLE
Charles S. Jacobs, New York, N. Y.
Application March 16, 1937, Serial No. 68,197
Term of patent 3½ years



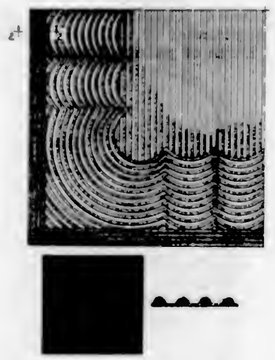
The ornamental design for a spread, or similar article, as shown.

107,235
DESIGN FOR A SPREAD, OR SIMILAR ARTICLE
Charles S. Jacobs, New York, N. Y.
Application March 16, 1937, Serial No. 68,198
Term of patent 3½ years



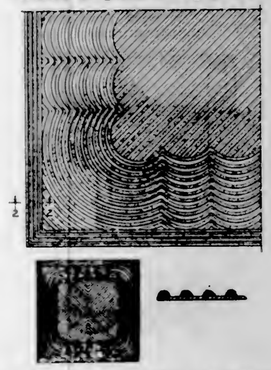
The ornamental design for a spread, or similar article, as shown.

107,236
DESIGN FOR A SPREAD, OR SIMILAR ARTICLE
Charles S. Jacobs, New York, N. Y.
Application March 16, 1937, Serial No. 68,199
Term of patent 3½ years



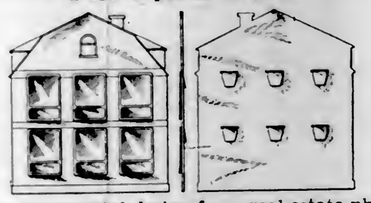
The ornamental design for a spread, or similar article, as shown.

107,237
DESIGN FOR A SPREAD OR SIMILAR ARTICLE
Charles S. Jacobs, New York, N. Y.
Application March 16, 1937, Serial No. 68,200
Term of patent 3½ years



The ornamental design for a spread or similar article, as shown.

107,238
DESIGN FOR A REAL ESTATE PHOTOGRAPH DISPLAY RACK
Harry W. Joline, Philadelphia, Pa.
Application April 13, 1937, Serial No. 68,734
Term of patent 14 years



The ornamental design for a real estate photograph display rack, as shown.

107,239
DESIGN FOR A TEXTILE FABRIC
Walter F. Kaplan, San Francisco, Calif., assignor to The Emporium-Capwell Company, a corporation of California
Application April 14, 1937, Serial No. 68,775
Term of patent 3½ years



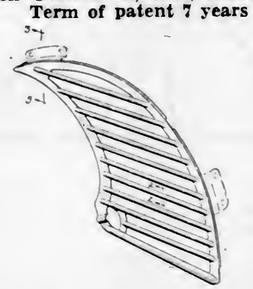
The ornamental design for a textile fabric, as shown.

107,240
DESIGN FOR A SHOE
Charles Kelly, Brooklyn, N. Y.
Application October 27, 1937, Serial No. 72,449
Term of patent 3½ years



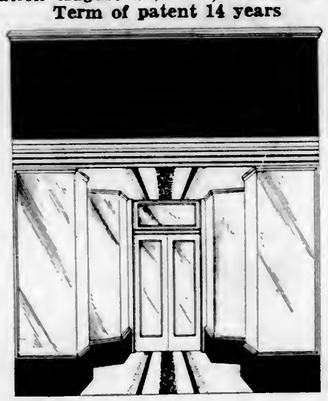
The ornamental design for a shoe, substantially as shown and described.

107,241
DESIGN FOR A SKIRT GUARD FOR A BICYCLE
Herman L. Kraeft, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 15, 1937, Serial No. 72,203
Term of patent 7 years

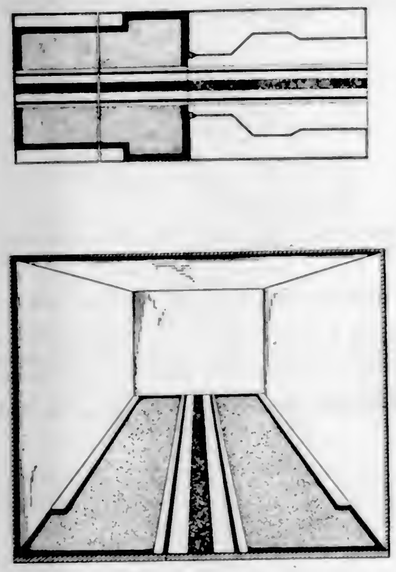


The ornamental design for a skirt guard for a bicycle, substantially as shown and described.

107,242
DESIGN FOR A STORE
Howard Irvin Kuebler, Baltimore, Md., assignor to Cannon Shoe Company, Baltimore, Md., a corporation of Massachusetts
Application August 20, 1937, Serial No. 71,220
Term of patent 14 years

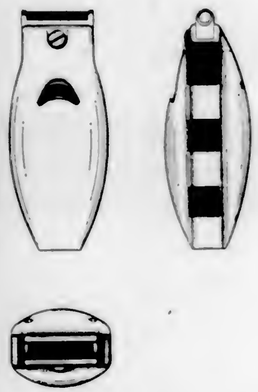


107,242—Continued



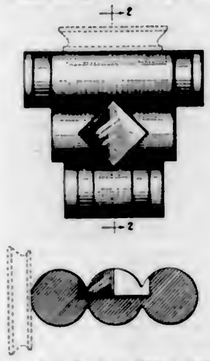
The ornamental design for a store, as shown and described.

107,243
DESIGN FOR AN ELECTRIC SHAVER
Harry Landsiedel, Wilton, Conn., assignor to General Shaver Corporation, Bridgeport, Conn., a corporation of Delaware
Application July 29, 1937, Serial No. 70,719
Term of patent 14 years



The ornamental design for an electric shaver, as shown.

107,244
DESIGN FOR A TOWEL BAR POST OR SIMILAR ARTICLE
Harry Lang, New York, N. Y.
Application August 19, 1937, Serial No. 71,191
Term of patent 3½ years



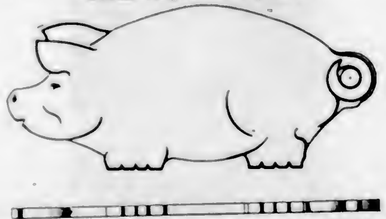
The ornamental design for a towel bar post or similar article, as shown.

107,245
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David E. Levin, New York, N. Y.
Application October 5, 1937, Serial No. 71,965
Term of patent 3½ years



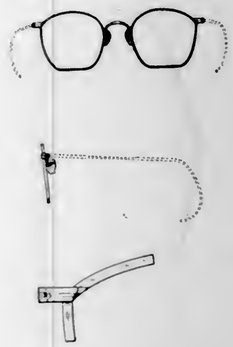
The ornamental design for a shoe or similar article, substantially as shown.

107,246
DESIGN FOR A FOOD CUTTING BOARD
Lewis M. Luteran and August P. Brunell, Clifton, N. J.
Application July 28, 1937, Serial No. 70,705
Term of patent 7 years



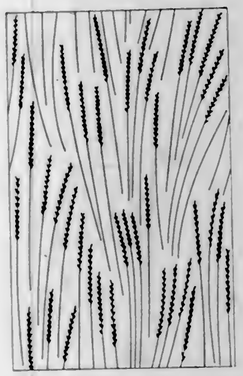
The ornamental design for a food cutting board, as shown.

107,247
DESIGN FOR A SPECTACLE FRAME
Michael R. McDanal, Denver, Colo.
Application February 13, 1937, Serial No. 67,634
Term of patent 14 years



The ornamental design for a spectacle frame, as shown and described.

107,248
DESIGN FOR WALLPAPER OR SIMILAR ARTICLE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,066
Term of patent 7 years



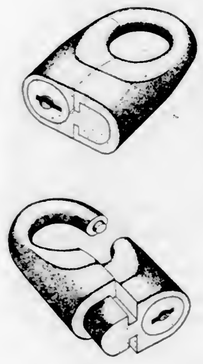
The ornamental design for wallpaper or similar article, as shown.

107,249
DESIGN FOR A VANITY CASE
August Most and Joseph Fogel, Brooklyn, N. Y.
Application September 24, 1937, Serial No. 71,771
Term of patent 7 years



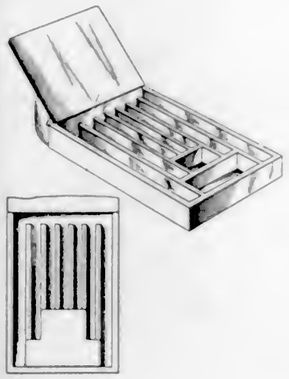
The ornamental design for a vanity case, as shown and described.

107,250
DESIGN FOR A PADLOCK
Charles H. Nehls, Detroit, Mich.
Application March 18, 1937, Serial No. 68,268
Term of patent 7 years



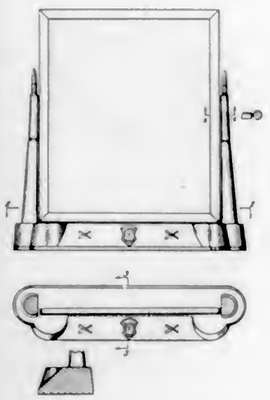
The ornamental design for a padlock, as shown.

107,251
DESIGN FOR A FILE DISPLAY BOX
Raymond C. R. Noren, Providence, R. I., assignor to Nicholson File Company, Providence, R. I., a corporation of Rhode Island
Application August 20, 1937, Serial No. 71,221
Term of patent 7 years



The ornamental design for a file display box substantially as shown and described.

107,252
DESIGN FOR A PICTURE FRAME STAND
William H. Ott, Cincinnati, Ohio
Application September 3, 1937, Serial No. 71,450
Term of patent 3½ years



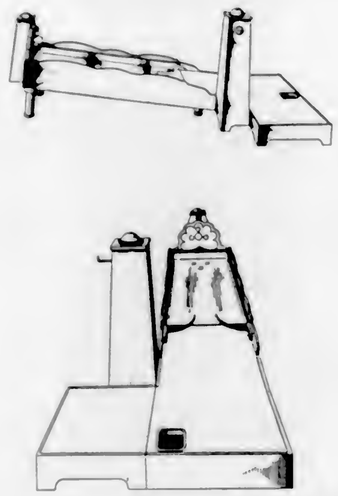
The ornamental design for a picture frame stand, as shown.

107,253
DESIGN FOR A SHOE SOLE
Oswald M. Pick, Chicago, Ill., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application December 24, 1936, Serial No. 66,729
Term of patent 3½ years



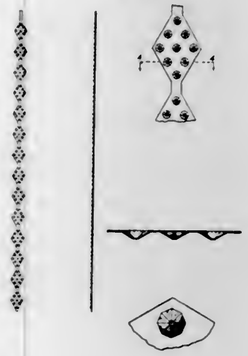
The ornamental design for a shoe sole or a similar article as shown and described.

107,254
DESIGN FOR A PUTTING GAME APPARATUS
Fred W. Preece, Toledo, Ohio
Application October 6, 1937, Serial No. 72,029
Term of patent 3½ years



The ornamental design for a putting game apparatus, as shown.

107,255
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application April 30, 1937, Serial No. 69,087
Term of patent 14 years



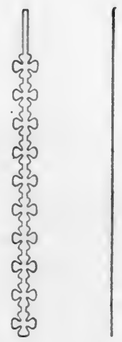
The ornamental design for a tinsel ornament for Christmas trees as shown.

107,256
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application April 30, 1937, Serial No. 69,090
Term of patent 14 years



The ornamental design for a tinsel ornament for Christmas trees as shown.

107,257
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application April 30, 1937, Serial No. 69,091
Term of patent 14 years



The ornamental design for a tinsel ornament for Christmas trees as shown.

107,258
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application April 30, 1937, Serial No. 69,092
Term of patent 14 years



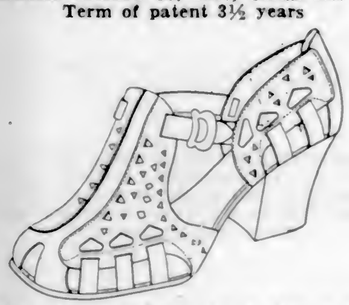
The ornamental design for a tinsel ornament for Christmas trees as shown.

107,259
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Rosenston, Boston, Mass.
Application October 30, 1937, Serial No. 72,529
Term of patent 3½ years



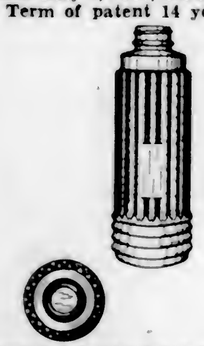
The ornamental design for a shoe or similar article, substantially as shown.

107,260
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Rosenston, Boston, Mass.
Application October 30, 1937, Serial No. 72,530
Term of patent 3½ years



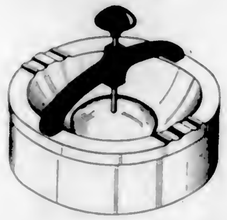
The ornamental design for a shoe or similar article, substantially as shown.

107,261
DESIGN FOR A BOTTLE
Garland D. Runnels, Seattle, Wash.
Application May 1, 1937, Serial No. 69,104
Term of patent 14 years



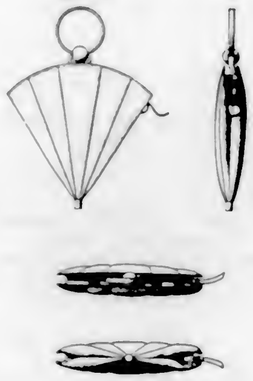
The ornamental design for a bottle, substantially as shown and described.

107,262
DESIGN FOR A SMOKER'S ASH STAND
Jacob I. Russakov, Chicago, Ill.
Application January 21, 1937, Serial No. 67,174
Term of patent 7 years



The ornamental design for a smoker's ash stand, substantially as shown and described.

107,263
DESIGN FOR A LADY'S HANDBAG
Max Samuelson, Newburgh, N. Y.
Application October 21, 1937, Serial No. 72,351
Term of patent 3½ years



The ornamental design for a lady's handbag, as shown.

107,264
DESIGN FOR A WATCH BRACELET
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application October 8, 1937, Serial No. 72,064
Term of patent 3½ years



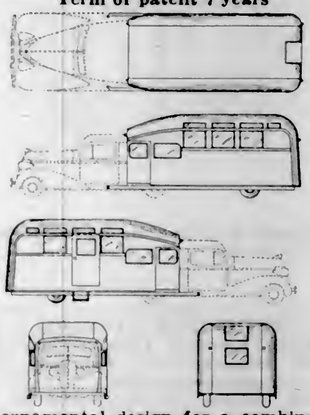
The ornamental design for a watch bracelet, as shown.

107,265
DESIGN FOR A WATCH BRACELET
John Sand, Newark, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application October 8, 1937, Serial No. 72,065
Term of patent 3½ years



The ornamental design for a watch bracelet, as shown.

107,266
DESIGN FOR A COMBINED AUTOMOBILE AND TRAILER
Henry G. Schaefer, Lakewood, Ohio
Application September 30, 1937, Serial No. 71,886
Term of patent 7 years



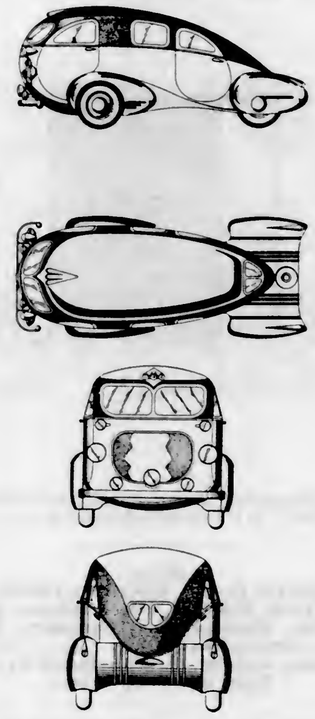
The ornamental design for a combined automobile and trailer, substantially as shown and described.

107,267
DESIGN FOR A BUTTON
Abraham Stark, Brooklyn, N. Y.
Application October 26, 1937, Serial No. 72,432
Term of patent 7 years



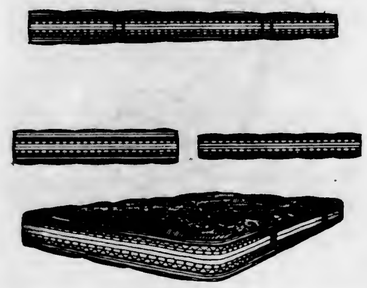
The ornamental design for a button, substantially as shown and described.

107,268
DESIGN FOR AN AUTOMOBILE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to William Woods Plankinton, Milwaukee, Wis.
Application November 9, 1936, Serial No. 65,798
Term of patent 14 years



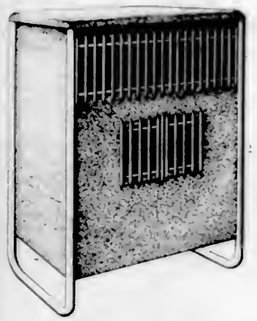
The ornamental design for an automobile, as shown and described.

107,269
DESIGN FOR A MATTRESS
Charles T. Stirratt, Duluth, Minn.
Application April 19, 1937, Serial No. 68,857
Term of patent 14 years



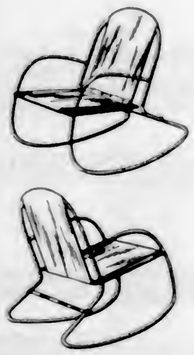
The ornamental design for a mattress, as shown.

107,270
DESIGN FOR AN AIR HEATER UNIT
Melvin M. Tilley, San Rafael, Calif., assignor to H. C. Little Burner Co., Inc., San Rafael, Calif., a corporation of California
Application September 13, 1937, Serial No. 71,585
Term of patent 7 years



The ornamental design for an air heater unit substantially as shown and described.

107,271
DESIGN FOR A ROCKING CHAIR
Louis Vavrik, Rossford, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 19, 1937, Serial No. 72,315
Term of patent 7 years



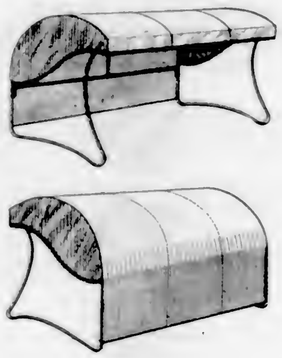
The ornamental design for a rocking chair substantially as shown.

107,272
DESIGN FOR A GLIDER FRAME
Louis Vavrik, Rossford, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 19, 1937, Serial No. 72,316
Term of patent 7 years



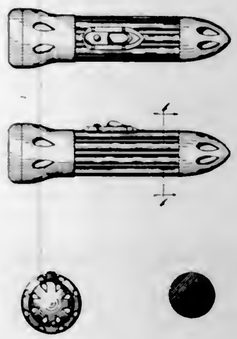
The ornamental design for a glider frame substantially as shown.

107,273
DESIGN FOR A CANOPY
Louis Vavrik, Rossford, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application October 19, 1937, Serial No. 72,317
Term of patent 7 years



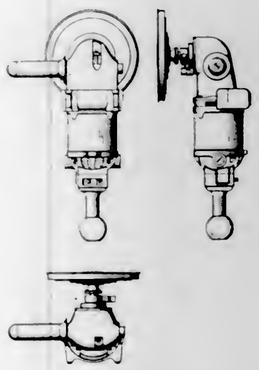
The ornamental design for a canopy substantially as shown.

107,274
DESIGN FOR A FLASHLIGHT
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application September 29, 1936, Serial No. 65,064
Term of patent 14 years



The ornamental design for a flashlight, as shown.

107,275
DESIGN FOR A SANDING MACHINE
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application September 29, 1937, Serial No 71,860
Term of patent 14 years



The ornamental design for a sanding machine as shown.

107,276
DESIGN FOR A TEXTILE FLOOR COVERING
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1937, Serial No. 69,738
Term of patent 3½ years



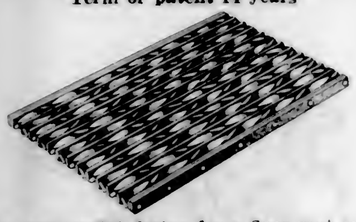
The ornamental design for a textile floor covering, as shown and described.

107,277
DESIGN FOR A TEXTILE FLOOR COVERING
William O. Dewsbury, Freehold, N. J., assignor to A. & M. Karagheusian, Inc., New York, N. Y., a corporation of Delaware
Application June 8, 1937, Serial No. 69,740
Term of patent 3½ years



The ornamental design for a textile floor covering, as shown and described.

107,278
DESIGN FOR A FLOOR MAT OR SIMILAR ARTICLE
Wallace G. Grossman and Howard Field Carpenter, White Plains, N. Y.
Application September 25, 1937, Serial No. 71,797
Term of patent 14 years



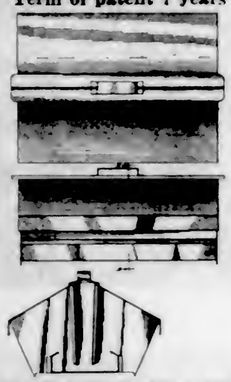
The ornamental design for a floor mat or similar article, substantially as shown.

107,279
DESIGN FOR A DRESS
Ida Lampel, New York, N. Y.
Application August 23, 1937, Serial No. 71,232
Term of patent 3½ years



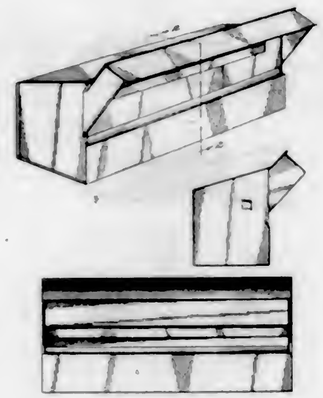
The ornamental design for a dress, substantially as shown.

107,280
DESIGN FOR A MULTIPLE TROUGH OUTDOOR WEATHERPROOF FEEDER
Harold R. Ray, Woodstock, Ill.
Application July 14, 1937, Serial No. 70,437
Term of patent 7 years



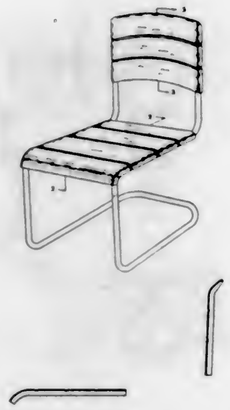
The ornamental design for a multiple trough outdoor weatherproof feeder as shown.

107,281
DESIGN FOR AN OUTDOOR WEATHERPROOF FEEDER
Harold R. Ray, Woodstock, Ill.
Application July 14, 1937, Serial No. 70,438
Term of patent 7 years



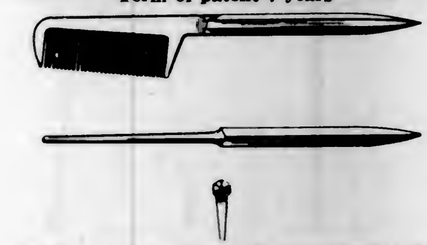
The ornamental design for an outdoor weatherproof feeder as shown.

107,282
DESIGN FOR A CHAIR
Jackson D. Rogers, Bay Village, Ohio
Application September 25, 1937, Serial No. 71,801
Term of patent 3½ years



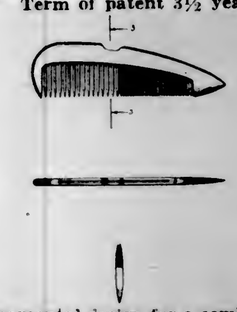
The ornamental design for a chair, as shown.

107,283
DESIGN FOR A COMBINED HAIR COMB AND CURLER
Zetta Stinson, Hammon, Okla.
Application September 28, 1937, Serial No. 71,849
Term of patent 7 years



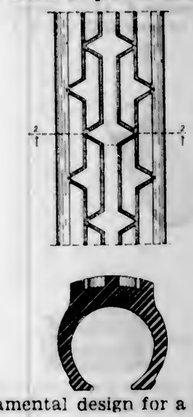
The ornamental design for a combined hair comb and curler as shown.

107,284
DESIGN FOR A COMBINATION COMB AND MANICURING IMPLEMENT
Hamell J. Suhadolc, Hoboken, N. J.
Application March 5, 1937, Serial No. 68,023
Term of patent 3½ years



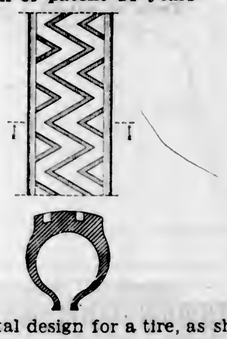
The ornamental design for a combination comb and manicuring implement, as shown.

107,285
DESIGN FOR A TIRE
Adolph A. Thomas, New York, N. Y.
Application June 9, 1937, Serial No. 69,752
Term of patent 14 years



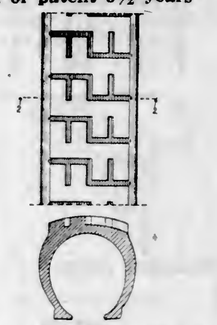
The ornamental design for a tire, as shown.

107,286
DESIGN FOR A TIRE
Adolph A. Thomas, New York, N. Y.
Application June 9, 1937, Serial No. 69,753
Term of patent 14 years



The ornamental design for a tire, as shown.

107,287
DESIGN FOR A TIRE
Adolph A. Thomas, New York, N. Y.
Application June 9, 1937, Serial No. 69,754
Term of patent 3½ years



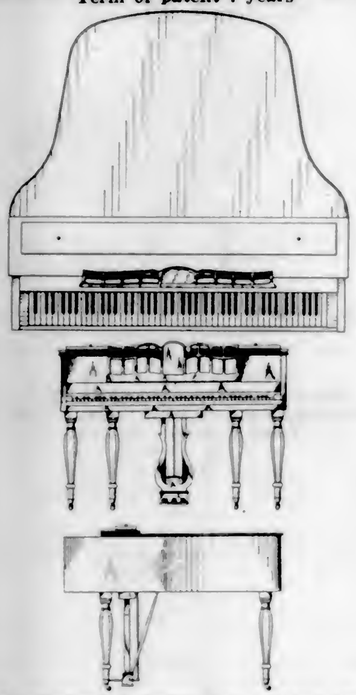
The ornamental design for a tire, as shown.

107,288
DESIGN FOR A HAT
Ernest O. Crocker, Washington, D. C.
Application October 26, 1937, Serial No. 72,430
Term of patent 3½ years



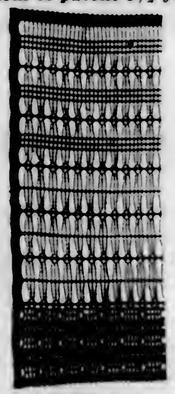
The ornamental design for a hat as shown.

107,289
DESIGN FOR A PIANO CASE
Wilbur M. Day, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio
Application September 23, 1937, Serial No. 71,759
Term of patent 7 years



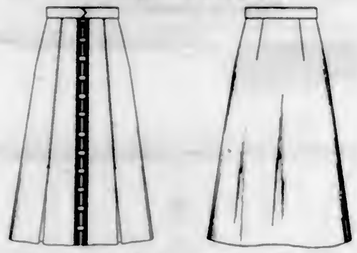
The ornamental design for a piano case, as shown.

107,290
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,187
Term of patent 3½ years



The ornamental design for a curtain substantially as shown and described.

107,291
DESIGN FOR A SKIRT
Jonas Fuld, New York, N. Y.
Application November 2, 1937, Serial No. 72,577
Term of patent 3½ years



The ornamental design for a skirt, substantially as shown and described.

107,292
DESIGN FOR A BEDSPREAD
Clarence M. Jones, Calhoun, Ga.
Application October 21, 1937, Serial No. 72,346
Term of patent 3½ years



The ornamental design for a bedspread, substantially as shown.

107,293
DESIGN FOR A HANDBAG
Irving Pichel, New York, N. Y.
Application November 8, 1937, Serial No. 72,693
Term of patent 3½ years



The ornamental design for a handbag substantially as shown and described.

107,294
DESIGN FOR AN ARCHER'S GLOVE
Fred B. Bear, Detroit, Mich.
Refiled for abandoned application Serial No. D-62,709, May 18, 1936. This application filed September 17, 1937, Serial No. D-71,660
Term of patent 14 years



The ornamental design for an archer's glove as shown.

107,295
DESIGN FOR A DRESS
Israel Bucholz, New York, N. Y.
Application November 6, 1937, Serial No. 72,643
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,296
DESIGN FOR A DRESS
Israel Bucholz, New York, N. Y.
Application November 6, 1937, Serial No. 72,644
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,297
DESIGN FOR A DRESS
Israel Bucholz, New York, N. Y.
Application November 6, 1937, Serial No. 72,645
Term of patent 3½ years



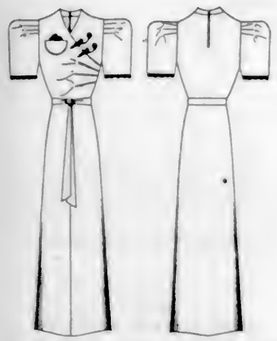
The ornamental design for a dress, substantially as shown.

107,298
DESIGN FOR A DRESS
Louise Fenaroli, Astoria, Long Island, N. Y.
Application September 28, 1937, Serial No. 71,832
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,299
DESIGN FOR A DRESS
Eva Fisk, New York, N. Y.
Application November 4, 1937, Serial No. 72,605
Term of patent 3½ years



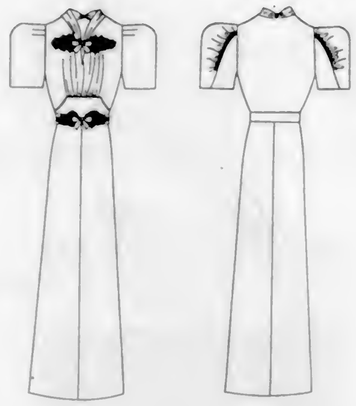
The ornamental design for a dress substantially as shown.

107,300
DESIGN FOR A DRESS
Harry Goldman, New York, N. Y.
Application November 2, 1937, Serial No. 72,579
Term of patent 3½ years



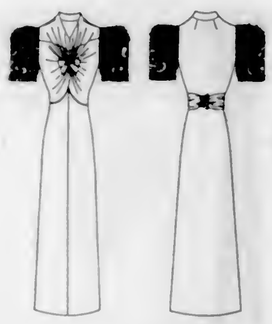
The ornamental design for a dress, substantially as shown.

107,301
DESIGN FOR A DRESS
Albert Kaplan, New York, N. Y.
Application November 1, 1937, Serial No. 72,551
Term of patent 3½ years



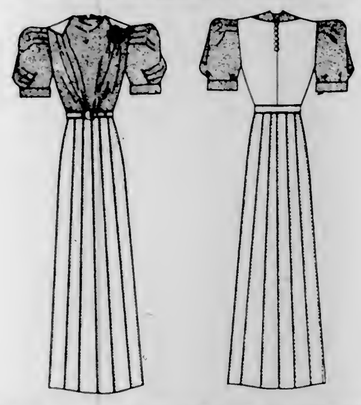
The ornamental design for a dress, substantially as shown and described.

107,302
DESIGN FOR A DRESS
Albert Kaplan, New York, N. Y.
Application November 1, 1937, Serial No. 72,552
Term of patent 3½ years



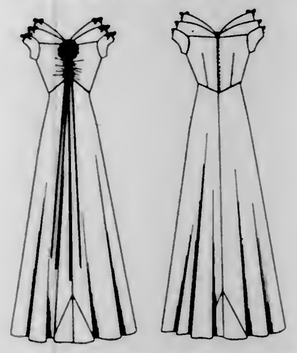
The ornamental design for a dress, substantially as shown and described.

107,303
DESIGN FOR A DRESS
Herman Kushner, New York, N. Y.
Application November 1, 1937, Serial No. 72,553
Term of patent 3½ years



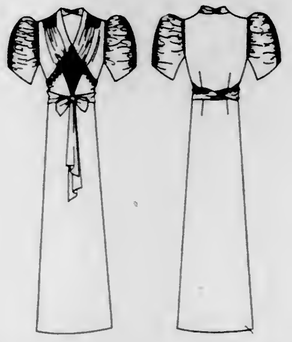
The ornamental design for a dress substantially as shown.

107,304
DESIGN FOR A DRESS
Carolyn M. Santore, New York, N. Y.
Application November 2, 1937, Serial No. 72,582
Term of patent 3½ years



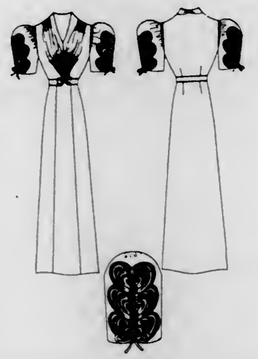
The ornamental design for a dress, substantially as shown.

107,305
DESIGN FOR A DRESS
Jacob Sohmer, New York, N. Y.
Application November 4, 1937, Serial No. 72,609
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,306
DESIGN FOR A DRESS
Jacob Sohmer, New York, N. Y.
Application November 8, 1937, Serial No. 72,689
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

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OF THE

UNITED STATES PATENT OFFICE

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VOLUME 485

DECEMBER

1937

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1938

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v. 485
Dec. 1937

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404695

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. & M. Products Co., Stillwater, Okla. Liquid preparation to be added to the drinking water of poultry as a germicide. Serial No. 398,027; Dec. 7. Class 6.

Acco Products, Inc., Long Island City, N. Y. Fasteners and fastener bases for binding loose papers together. Serial No. 397,921; Dec. 7. Class 37.

Agicide Laboratories, Milwaukee, Wis. Insecticides. Serial No. 398,598; Dec. 7. Class 6.

Agicide Laboratories, Milwaukee, Wis. Insecticides. Serial No. 398,600; Dec. 7. Class 6.

Aikin-Lambert Company, New York, N. Y. Fountain pens and parts thereof. Serial No. 398,336; Dec. 7. Class 37.

Allen-A Company, The, Kenosha, Wis. Swim trunks. Serial No. 395,388; Dec. 7. Class 39.

Alton Garment Company, St. Louis, Mo. Ladies' wash frocks. Serial No. 398,302; Dec. 7. Class 39.

American Safety Razor Corporation, Brooklyn, N. Y. Razors and hair removing devices. Serial Nos. 398,142–3; Dec. 7. Class 23.

Anodex Laboratories. (See von Dellen, A. W.)

Arden-Rayshine Company, Watertown, Mass. Material for making coaptation bandages and splints. Serial No. 397,993; Dec. 7. Class 44.

Aronab Products Co., San Francisco, Calif. Prophylactic rubber parchment articles. Serial No. 396,527; Dec. 7. Class 44.

Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electrical circuit breakers, switches, fuses, etc. Serial No. 389,007; Dec. 7. Class 21.

Atlas Brewing Company, Chicago, Ill. Beer and ale. Serial No. 389,401; Dec. 7. Class 48.

Automatic Cone Company. (See Denaro, James.)

Bancroft, Joseph, & Sons Co., Wilmington, Del. Cotton piece goods. Serial No. 398,145; Dec. 7. Class 42.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Cotton piece goods. Serial No. 398,233; Dec. 7. Class 42.

Baum, Ellen N., Denver, Colo. Deodorants and perspiration retarding preparations. Serial No. 397,567; Dec. 7. Class 6.

Beautywise Laboratories. (See Leitner, F. F.)

Beck, Koller & Co., Inc., Detroit and Ferndale Station, Detroit, Mich. Synthetic resin for paints, enamels, etc. Serial No. 398,658; Dec. 7. Class 16.

Berkeley Club Bottling and Manufacturing Co., Inc., Berkeley Springs, W. Va. Beverages and syrups, extracts and flavors used in making same. Serial No. 398,751; Dec. 7. Class 45.

Bordo Products Company, Chicago, Ill. Canned grapefruit juice for food purposes. Serial No. 397,747; Dec. 7. Class 46.

Bozeman Canning Company, Mount Vernon, Wash. Canned peas. Serial No. 397,276; Dec. 7. Class 46.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial No. 398,664; Dec. 7. Class 22.

Brooks Oil Company, The, Cleveland, Ohio. Lubricating grease. Serial No. 386,400; Dec. 7. Class 15.

Brown, Mortimer J., Niagara Falls, N. Y. Draft arm nozzles. Serial No. 397,108; Dec. 7. Class 13.

Calgon Incorporated, Pittsburgh, Pa. Chemical compound. Serial No. 398,088; Dec. 7. Class 6.

California Spray-Chemical Corporation, Wilmington, Del., and Richmond, Calif. Insecticide barriers. Serial No. 396,667; Dec. 7. Class 6.

Celanese Corporation of America, New York, N. Y. Sweaters and vests. Serial No. 398,459; Dec. 7. Class 39.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Condenser-tubes of non-ferrous metal. Serial No. 397,069; Dec. 7. Class 34.

Chester Brewery, Inc., Chester, Pa. Beer and ale. Serial No. 391,176; Dec. 7. Class 48.

Chicago Buying Sources Co. (See Prussing, H. J., Jr.)

Cranston Print Works Company, Cranston, R. I. Cotton piece goods. Serial No. 398,668; Dec. 7. Class 42.

Day Publishing Company, The, New London, Conn. Daily newspaper. Serial No. 394,591; Dec. 7. Class 38.

Dealkol Company, The, Chagrin Falls, Ohio. Medicinal preparation. Serial No. 398,392; Dec. 7. Class 6.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Outside garments known as topcoats. Serial No. 397,329; Dec. 7. Class 39.

Delgado & Bruce, Inc., Long Beach, Calif. Honey. Serial No. 397,899; Dec. 7. Class 46.

Denaro, James, doing business as Automatic Cone Company, Cambridge, Mass. Edible pastry containers. Serial No. 397,749; Dec. 7. Class 46.

Denicotea, Societe Anonyme, Antwerp, Belgium. Cigarette holders, cigar holders, and pipes, etc. Serial No. 393,584; Dec. 7. Class 8.

Denver and Rio Grande Western Railroad Company, The, Denver, Colo. Booklets or pamphlets. Serial No. 385,835; Dec. 7. Class 38.

De Wilde, Waldo, Pendleton, Oreg. Receptacles for tickets. Serial No. 395,446; Dec. 7. Class 2.

Dick, A. B., Company, Chicago, Ill. Lettering. Serial No. 398,194; Dec. 7. Class 26.

Dick, A. B., Company, Chicago, Ill. Fluid adapted for use in stenciling and for softening stencils and stencil paper. Serial No. 398,567; Dec. 7. Class 6.

Durable Furs, Inc., New York, N. Y. Ladies' fur coats. Serial No. 391,951; Dec. 7. Class 39.

E. A. Laboratories, Inc., Brooklyn, N. Y. Ventilating, circulating, and air conditioning fans. Serial No. 397,403; Dec. 7. Class 34.

Electrolux, Inc., New York, N. Y. Insecticides. Serial No. 398,408; Dec. 7. Class 6.

El Louvre, S. A., Willemstad, Curacao, Netherlands West Indies. Alcoholic beverage distilled from fresh orange peel with rum. Serial No. 397,216; Dec. 7. Class 49.

Ezo-Tex Laboratory. (See Scheidler, Madalen.)

Fashion Company, The, Columbus, Ohio. Ladies' hosiery. Serial No. 398,652; Dec. 7. Class 39.

Fashions Preferred Inc., New York, N. Y. Publication. Serial No. 397,651; Dec. 7. Class 38.

Field, Burr D., Freeport, Long Island, N. Y. Game boards. Serial No. 397,930; Dec. 7. Class 22.

Fischer, B., & Company, Inc., New York, N. Y. Coffee, tea, spices, etc. Serial No. 397,655; Dec. 7. Class 46.

Flagg, Stanley G., & Co., Inc., Philadelphia and Stowe, Pa. Metal pipe fittings. Serial No. 394,226; Dec. 7. Class 13.

Flintkote Company, The, New York, N. Y. Composition asphalt roofing materials. Serial No. 386,075; Dec. 7. Class 12.

Freedman, Martin, New York, N. Y. Men's outer shirts. Serial No. 396,533; Dec. 7. Class 39.

Fur Mart of America, Inc., The, New York, N. Y. Dyed coney coats, capes, and jackets. Serial No. 393,030; Dec. 7. Class 39.

General Manifold and Printing Company, The, Franklin, Pa. Sheets of paper partially coated with transfer material. Serial No. 397,575; Dec. 7. Class 37.

General Motors Corporation, Detroit, Mich. Pumps and pumping apparatus and parts thereof. Serial No. 395,291; Dec. 7. Class 23.

General Motors Corporation, Detroit, Mich. Vehicle instrument panels, shock absorbers, brakes, etc. Serial No. 396,359; Dec. 7. Class 19.

Gielow, J. J., & Sons, Inc., Detroit, Mich. Canned fruits, canned vegetables, spices, etc. Serial No. 393,982; Dec. 7. Class 46.

Glendora Co-Operative Citrus Assn., Glendora, Calif. Fresh citrus fruit. Serial Nos. 391,758–9; Dec. 7. Class 46.

Gordon, Wolf, Cowen Co. Inc., New York, N. Y. Sweetmeat known as Halvah. Serial No. 398,536; Dec. 7. Class 46.

Grocer-Graphic, Inc., New York, N. Y. Periodical or trade paper. Serial No. 396,812; Dec. 7. Class 38.

Hinrichs Distilled Products, St. Louis, Mo. Apricot liqueur, blackberry liqueur, cherry liqueur, etc. Serial No. 398,618; Dec. 7. Class 49.

Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits. Serial No. 397,509; Dec. 7. Class 46.

Hooven & Allison Company, The, Xenia, Ohio. Rope and binder twine. Serial Nos. 398,158–61; Dec. 7. Class 7.

Houghton, E. F., & Co., Philadelphia, Pa. Composition of carbonaceous material and energizer for the carburizing of steel. Serial No. 398,621; Dec. 7. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Corsets. Serial No. 397,755; Dec. 7. Class 39.

Hutchins Pants Co., The, Cincinnati, Ohio. Negligee shirts, pants, sweaters, etc. Serial No. 396,036; Dec. 7. Class 39.

Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute. Serial No. 398,162; Dec. 7. Class 46.

Jacobs Candy Company, Inc., New Orleans, La. Candy. Serial No. 398,358; Dec. 7. Class 46.

Johnson Creveling & Co., Los Angeles, Calif. Pajamas. Serial No. 396,405; Dec. 7. Class 39.

Kaylon, Inc., New York, N. Y. Pajamas. Serial No. 386,541; Dec. 7. Class 39.

Killian Manufacturing Company, The, Akron, Ohio. Prophylactic rubber articles. Serial No. 398,111; Dec. 7. Class 44.

Koch, William F., doing business as Koch Laboratories, Detroit, Mich. Preparation for allergy-neoplasia-infections. Serial No. 397,446; Dec. 7. Class 6.

Koenig, Harry D., doing business as Swan Luxuries Co., New York, N. Y. Chemically prepared deodorants, contraceptives, and toilet preparations. Serial No. 396,407; Dec. 7. Class 6.

Leatherkraft, Inc., Minneapolis, Minn. Leather jackets. Serial No. 397,290; Dec. 7. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Leitner, F. F., doing business as Beautywise Laboratories, San Francisco, Calif. Skin toning lotion, skin bleaching lotion, permanent wave oil, etc. Serial No. 396,821; Dec. 7. Class 6.

Lennox Manufacturing Company, St. Louis, Mo. Purses, pocketbooks, and ladies' hand bags. Serial No. 394,842; Dec. 7. Class 3.

Liberty Frock Co., Inc., Kansas City, Mo. Women's clothing. Serial No. 398,284; Dec. 7. Class 39.

Liebovitz, S., & Sons, Inc., New York, N. Y. Negligee shirts. Serial No. 398,416; Dec. 7. Class 39.

Lingner-Werke Vertriebs, G. m. b. H., Dresden-A, Germany. Disinfectant and antiseptic. Serial No. 398,476; Dec. 7. Class 6.

Loose-Wiles Biscuit Company, Long Island City, N. Y. Biscuits, crackers, cakes, etc. Serial No. 398,477; Dec. 7. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 393,658; Dec. 7. Class 46.

Lubri-Zol Corporation, The, Cleveland and Wickliffe, Ohio. Lubricating oils and greases, etc. Serial No. 397,583; Dec. 7. Class 15.

Lund, Russell T., doing business as Red E Poptcorn Company, Los Angeles, Calif. Popped corn. Serial No. 397,584; Dec. 7. Class 46.

MacIlvyle, Errol, Santa Rosa, Calif. California varieties of white and red wines, port, sherry, etc. Serial No. 394,335; Dec. 7. Class 47.

Macleay Duff (Distillers) Limited, Glasgow, Scotland. Scotch whisky. Serial No. 397,906; Dec. 7. Class 49.

Macy, R. H., & Co., Inc., New York, N. Y. Acetone, rubbing alcohol, alkaline tablets, etc. Serial No. 397,258; Dec. 7. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Canned sardines. Serial No. 398,013; Dec. 7. Class 46.

Madaus, Dr., & Co., Radebeul, Germany. Chemical preparation. Serial No. 391,139; Dec. 7. Class 6.

Marcelle, Carrie E., Philadelphia, Pa. Battery compound. Serial No. 395,534; Dec. 7. Class 6.

Marshall-Wells Company, Duluth, Minn. Electric ironers. Serial No. 398,781; Dec. 7. Class 24.

Maxwell Spirits Inc., Philadelphia, Pa. Distilled London dry gin. Serial No. 398,688; Dec. 7. Class 49.

McCoy, Washington C., Birmingham, Ala. Hosiery. Serial No. 398,382; Dec. 7. Class 39.

Modern Health Products, Inc., Milwaukee, Wis. Calcium phosphorus vitaminic preparation. Serial No. 398,631; Dec. 7. Class 6.

Murray, Arthur, New York, N. Y. Magazine. Serial No. 396,883; Dec. 7. Class 38.

Myers Brothers, Springfield, Ill. Men's wearing apparel, men's suits, top coats, etc. Serial No. 384,132; Dec. 7. Class 39.

Nestle's Milk Products, Inc., New York, N. Y. Specially prepared concentrated food in tablet form. Serial No. 395,784; Dec. 7. Class 6.

Newland, Schneeloch & Piek, Inc., New York, N. Y. Dishes. Serial No. 397,512; Dec. 7. Class 30.

Northern Gum Tape Co. (See Reavis, Jesse E.)

Ohio Truss Company, The, Cincinnati, Ohio. Trusses and truss pads. Serial No. 394,299; Dec. 7. Class 44.

Packard Milling Company, Custer, Okla. Wheat flour. Serial No. 381,322; Dec. 7. Class 46.

Palmetto Canning Co., Palmetto, Fla. Canned fruits and vegetables, tomato juice, etc. Serial No. 397,049; Dec. 7. Class 46.

Park-Sherman Co., Chicago, Ill. Electric portable lamps. Serial No. 396,893; Dec. 7. Class 21.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Card game. Serial No. 398,287; Dec. 7. Class 22.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. Serial No. 398,289; Dec. 7. Class 35.

Pleasant Valley Wine Company, The, Rheims, N. Y. Wines. Serial No. 396,832; Dec. 7. Class 47.

Premier-Pabst Corporation, Peoria Heights, Ill. Beer. Serial No. 398,638; Dec. 7. Class 48.

Prussing, H. J., Jr., doing business as Chicago Buying Sources Co., Chicago, Ill. Directory of wash frock manufacturers. Serial No. 397,868; Dec. 7. Class 38.

Reavis, Jesse E., doing business as Northern Gum Tape Co., Minneapolis, Minn. Gummed paper tape. Serial No. 397,086; Dec. 7. Class 37.

Recorg Supply Corporation, Chicago, Ill. Canned vegetables and fruits, canned fish and Vienna sausage, etc. Serial No. 382,767; Dec. 7. Class 46.

Red E Popcorn Company. (See Lund, Russell T.)

Riverside & Dan River Cotton Mills, Inc., Danville, Va. Summer suiting piece goods. Serial No. 397,725; Dec. 7. Class 42.

Rogers Peet Company, New York, N. Y. Suits, overcoats hats, etc. Serial No. 392,106; Dec. 7. Class 39.

Roma Wine Company, Inc., Lodi, Calif. Wines. Serial No. 382,527; Dec. 7. Class 47.

Rosenberg, Samuel, doing business as Templar Products Company, New York, N. Y. Anti-freezing solution for radiators. Serial No. 398,494; Dec. 7. Class 6.

Rutherford Food Corporation, Kansas City, Mo. Chile con carne, tamales. Serial No. 395,970; Dec. 7. Class 46.

Sandess Manufacturing Company, Philadelphia, Pa. Boys' clothing. Serial No. 397,556; Dec. 7. Class 39.

Sanoderm Company, Inc., The, New York, N. Y. Cultured milk food product. Serial No. 396,969; Dec. 7. Class 46.

Scheidler, Madalen, doing business as Ezo-Tex Laboratory, Milwaukee, Wis. Foot powder, mouth wash, deodorant foot powder, etc. Serial No. 391,093; Dec. 7. Class 6.

Schuckl & Co., Inc., San Francisco, Calif. Canned fruits and vegetables. Serial No. 397,954; Dec. 7. Class 46.

Scotch Products. (See Viner, Gertrude A.)

Seed Trade Reporting Bureau, The, Chicago, Ill. Periodical issued monthly. Serial No. 398,338; Dec. 7. Class 38.

Semaria Bros., Inc., New York, N. Y. Women's dresses. Serial No. 398,294; Dec. 7. Class 39.

Sherman Wash Wear Inc., Chicago, Ill. Smocks, pajamas, aprons, etc. Serial No. 398,641; Dec. 7. Class 39.

Shunk, L. E., Latex Products, Inc., Akron, Ohio. Prophylactic rubber articles. Serial No. 398,130; Dec. 7. Class 44.

Shuwall, Edward, & Co. Inc., Pottstown, Pa. Children's wash frocks. Serial No. 398,547; Dec. 7. Class 39.

Sohn, Oppenheimer & Co., New York, N. Y. Men's trousers of silk material. Serial No. 397,681; Dec. 7. Class 39.

Somers Bros. Hat Co., New York, N. Y. Children's and ladies' hats. Serial No. 397,005; Dec. 7. Class 39.

Southwest Grease & Oil Company, Wichita, Kans. Lubrication grease. Serial No. 398,131; Dec. 7. Class 15.

Standard Brands Incorporated, New York, N. Y. Pudding and pie filling. Serial No. 397,916; Dec. 7. Class 46.

Standard Brands Incorporated, New York, N. Y. Coffee. Serial No. 398,741; Dec. 7. Class 46.

Stemped, Irving, & Co. Inc., New York, N. Y. Sport and street dresses. Serial No. 397,691; Dec. 7. Class 39.

Stern, Julius J., Chicago, Ill. Structural panels, veneers, plywood boards and panels, etc. Serial No. 397,488; Dec. 7. Class 12.

Style Garment Company, Inc., Los Angeles, Calif. Ladies' dresses, cloaks, coats, etc. Serial No. 392,293; Dec. 7. Class 39.

Supowitz Brothers, Pittsburgh, Pa. Men's shoes. Serial No. 397,462; Dec. 7. Class 39.

Supreme Council, Order of the Amaranth, Upper Darby, Pa. Letter paper and envelopes. Serial No. 387,407; Dec. 7. Class 37.

Swan Luxuries Co. (See Koenig, Harry D.)

Templar Products Company. (See Rosenberg, Samuel.)

Textile Dyeing & Printing Co. of America, Inc., Fairlawn, N. J. Piece goods. Serial No. 395,004; Dec. 7. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Piece goods. Serial No. 398,597; Dec. 7. Class 42.

Ultrad Products, Inc., Boston, Mass. Therapeutic lamps. Serial No. 398,181; Dec. 7. Class 44.

United Feature Syndicate, Inc., New York, N. Y. Comic drawings. Serial No. 397,392; Dec. 7. Class 38.

United States Rubber Products, Inc., New York, N. Y. Upholstery material. Serial No. 385,241; Dec. 7. Class 50.

Viner, Gertrude A., doing business as Scotch Products, Forestville, Conn. Marmalades. Serial No. 397,271; Dec. 7. Class 46.

Von Deilen, A. W., doing business as Anodex Laboratories, Atlantic City, N. J. Preparation for treating Vincent's infection, sterilizing the mouth and oral diseases. Serial No. 397,885; Dec. 7. Class 6.

Waterbury Clock Company, Waterbury, Conn. Clocks and watches. Serial No. 398,270; Dec. 7. Class 27.

Weiss & Sussman, New York, N. Y. Ladies' fur coats. Serial No. 390,719; Dec. 7. Class 39.

White, Morris, Mfg. Co., Inc., New York, N. Y. Handbags. Serial No. 397,992; Dec. 7. Class 3.

Wiedemann, Geo., Brewing Co., Inc., The, Newport, Ky. Beer. Serial No. 398,508; Dec. 7. Class 48.

Winner Manufacturing Co., Inc., Trenton, N. J. Coating and sealing material. Serial No. 397,208; Dec. 7. Class 16.

LIST OF REGISTRANTS OF TRADE-MARKS

Abraham and Straus, Inc., Brooklyn, N. Y. Leather and canvas hand bags, portfolios, pocket-books, etc. 352,575; Dec. 7; Serial No. 387,055; published Sept. 28, 1937. Class 3.

Abraham & Straus, Inc., Brooklyn, N. Y. Cigar and cigarette holders, pipes, and pipe cleaners, etc. 352,576; Dec. 7; Serial No. 387,056; published Sept. 28, 1937. Class 8.

Abraham & Straus, Inc., Brooklyn, N. Y. China table ware, porcelain table and kitchen ware, earthenware, table and kitchen ware, etc. 352,577; Dec. 7; Serial No. 387,058; published Sept. 28, 1937. Class 30.

Acme Textiles Inc., New York, N. Y. Lace. 352,670; Dec. 7; Serial No. 395,501; published Sept. 28, 1937. Class 42.

Aladdin Knitting Co., Inc., New York, N. Y. Suede piece goods. 352,665; Dec. 7; Serial No. 395,387; published Sept. 28, 1937. Class 42.

Alaska Freezer Co., Inc., The, Winchendon, Mass. Ice-cream freezers. 352,554; Dec. 7; Serial No. 376,564; published Sept. 28, 1937. Class 31.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Radio receiving sets. 352,594; Dec. 7; Serial No. 391,449; published July 13, 1937. Class 21.

American Fork & Hoe Company, The. (See Kelly Axe Manufacturing Company, assignor.)

American Smelting and Refining Company, New York, N. Y. Lead. 352,734; Dec. 7. Class 14.

Argus Manufacturing Company, Chicago, Ill. Pencil-clasps, pen-clasps, paper-fasteners, etc. 120,056; renewed Jan. 8, 1938.

Baker Brush Co., Inc., New York, N. Y. Paint brushes. 352,671; Dec. 7; Serial No. 395,502; published Sept. 28, 1937. Class 29.

Barkin-Levin & Co. Inc., New York, N. Y. Clothing for women. 352,672; Dec. 7; Serial No. 395,503; published Sept. 28, 1937. Class 39.

Battle Creek Dietetic Supply Co., Battle Creek, Mich. Yeast extract paste, yeast flakes, biscuits, etc. 352,586; Dec. 7; Serial No. 390,435; published Sept. 28, 1937. Class 46.

Battle Creek Dietetic Supply Co., Battle Creek, Mich. Yeast extract paste, yeast flakes, biscuits, etc. 352,587; Dec. 7; Serial No. 390,437; published Sept. 28, 1937. Class 46.

Baumann, Ludwig & Company, New York, N. Y. Men's shoes and slippers. 352,724; Dec. 7. Class 39.

Belfit Foundations Inc., New York, N. Y. Corsets and girdles. 352,648; Dec. 7; Serial No. 394,972; published Sept. 21, 1937. Class 39.

Bellinson, Meyer, Buffalo, N. Y. Coal and coke. 352,553; Dec. 7; Serial No. 376,373; published Nov. 10, 1936. Class 1.

Berkshire Knitting Mills, Wyomissing, Reading, Pa. Hosiery. 352,563; Dec. 7; Serial No. 380,748; published Sept. 28, 1937. Class 39.

Bicking, Henry, doing business as Henry Bicking Co., New York, N. Y. Carbon papers, inked ribbons, carbon paper rolls and duplicating inks. 352,732; Dec. 7. Class 11.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic jacks and wrench sets. 352,718; Dec. 7; Serial No. 396,177; published Sept. 28, 1937. Class 23.

Blake, Moffitt & Towne, San Francisco, Calif. Paper. 352,582; Dec. 7; Serial No. 389,496; published Sept. 21, 1937. Class 37.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Cotton and rayon pile fabrics. 352,581; Dec. 7; Serial No. 389,346; published Sept. 28, 1937. Class 42.

Bonzette Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, and combinations thereof. 352,657; Dec. 7; Serial No. 395,186; published Sept. 28, 1937. Class 39.

Bowes, Theodore J., doing business as Bowes Products Company, Passaic, N. J. Cleaning preparation. 352,593; Dec. 7; Serial No. 391,171; published Sept. 28, 1937. Class 4.

Boynton & Company, Chicago, Ill. Art carvings, art and decorative plaques, etc. 352,661; Dec. 7; Serial No. 395,268; published Sept. 28, 1937. Class 50.

Browning King & Co. of New York, Inc., Brooklyn and New York, N. Y. Suits, overcoats, topcoats, etc. 352,733; Dec. 7. Class 39.

Bruckmann Company, The, Cincinnati, Ohio. Beer and malt beverage. 352,566; Dec. 7; Serial No. 383,346; published Sept. 28, 1937. Class 48.

Brumpton, Harry, doing business as Brumpton Trailer Manufacturing Company, Portland, Oreg. Trailers for automobiles. 352,636; Dec. 7; Serial No. 394,530; published Sept. 28, 1937. Class 19.

Buck-O Cleaner Co., Marshalltown, Iowa. Cleaner for white shoes, belts, etc. 352,590; Dec. 7; Serial No. 390,777; published Sept. 21, 1937. Class 4.

Butler Brothers, Chicago, Ill. Sheets and pillow cases. 352,614; Dec. 7; Serial No. 393,258; published Sept. 28, 1937. Class 42.

Carter, Rice & Company, Boston, Mass. Twine. 352,682; Dec. 7; Serial No. 395,636; published Sept. 28, 1937. Class 7.

Cavendish Trading Corporation, New York, N. Y. Women's knitted apparel. 352,608; Dec. 7; Serial No. 392,845; published Sept. 21, 1937. Class 39.

Champion Feed Milling Company, by change of name to Champion Milling & Grain Company, Clinton, Iowa. Stock food. 119,259; renewed Nov. 13, 1937.

Chatham Manufacturing Company, Winston-Salem, N. C. Sheets and pillow cases. 352,676; Dec. 7; Serial No. 395,563; published Sept. 28, 1937. Class 42.

Chek-Chart Corporation, The, Chicago, Ill. Book, charts and pamphlets. 352,569; Dec. 7; Serial No. 385,212; published Sept. 21, 1937. Class 38.

Chicago Fuse Mfg. Co., Chicago, by consolidation and change of name, to Jefferson Electric Company, Bellwood, Ill. Electrical supplies. 120,343; renewed Feb. 5, 1938.

Chilton Company, New York, N. Y. Magazine. 352,655; Dec. 7; Serial No. 395,166; published Sept. 21, 1937. Class 38.

Cirone, Joseph N., Brooklyn, N. Y. Newspaper cartoons. 352,599; Dec. 7; Serial No. 392,085; published Sept. 21, 1937. Class 38.

Cleveland Cleaner and Paste Company, The, Cleveland, Ohio. Wall paper cleaner. 352,697; Dec. 7; Serial No. 395,814; published Sept. 21, 1937. Class 4.

Cleveland Provision Company, The, assignor, by mesne assignments, to The Lake Erie Provision Company, Cleveland, Ohio. Ham. 120,169; renewed Jan. 15, 1938.

Coe Laboratories, Inc., Chicago, Ill. Water-cooled tray especially designed to hold hydro-colloid materials. 352,601; Dec. 7; Serial No. 392,312; published Sept. 28, 1937. Class 44.

Colonial Undergarment Co., Boston, Mass. Ladies' and children's underwear. 352,650; Dec. 7; Serial No. 395,021; published Sept. 28, 1937. Class 39.

Condensation Engineering Corporation, Chicago, Ill. Chimney linings. 352,619; Dec. 7; Serial No. 393,583; published Sept. 28, 1937. Class 34.

Cooney Refrigeration Company, Inc., Buffalo, N. Y. Boilers for heating water and generating steam, oil, and gas burners, etc. 352,622; Dec. 7; Serial No. 393,799; published Sept. 28, 1937. Class 34.

Corn Products Refining Company, New York, N. Y. Ingredient for dog food. 352,656; Dec. 7; Serial No. 395,168; published Sept. 28, 1937. Class 46.

Cornell Seed Company, St. Louis, Mo. Vegetable, garden, flower, etc., seeds. 352,573; Dec. 7; Serial No. 386,771; published Sept. 28, 1937. Class 1.

Cosman, Claus A., New York, N. Y. Elastic fabrics. 352,660; Dec. 7; Serial No. 395,222; published Sept. 28, 1937. Class 42.

Cottage Club Foods, Inc., San Francisco, Calif. Grated American and Parmesan cheese, mayonnaise, mustard, etc. 352,555; Dec. 7; Serial No. 377,632; published Sept. 28, 1937. Class 46.

Cotto-Waxo Company, St. Louis, Mo. Sweeping and cleaning compounds. 121,412; renewed Apr. 30, 1938.

Crittenden Bootery Co., Portsmouth, Ohio. Women's shoes. 352,662; Dec. 7; Serial No. 395,287; published Sept. 21, 1937. Class 39.

Cudahy Brothers Company, Cudahy, Wis. Vegetable shortening. 352,637; Dec. 7; Serial No. 394,590; published Sept. 28, 1937. Class 46.

Currick, Leiken & Bandler, assignor to Currick & Leiken Co. Inc., New York, N. Y. Cotton and wool piece goods. 105,506; renewed July 27, 1935.

Donnelley, Reuben H., Corporation, The, New York, N. Y., and Chicago, Ill. Trade paper. 352,677; Dec. 7; Serial No. 395,565; published Sept. 21, 1937. Class 38.

Doughnut Corporation of America, New York, N. Y. Prepared flour for bread, cakes, and doughnuts. 352,625; Dec. 7; Serial No. 394,129; published Sept. 28, 1937. Class 46.

Du Clair Products Corp., New York, N. Y. Garment hangers. 352,632; Dec. 7; Serial No. 394,479; published Sept. 28, 1937. Class 50.

Dumari Textile Co., Inc., New York, N. Y. Dresses. 352,649; Dec. 7; Serial No. 394,982; published Sept. 28, 1937. Class 39.

Du Pont Film Manufacturing Corporation Inc., New York, N. Y. Photographic film. 352,720; Dec. 7; Serial No. 396,227; published Sept. 28, 1937. Class 26.

E. A. Laboratories, Inc., Brooklyn, N. Y. Radiator units for use in the interior of automobiles, trucks, etc. 352,571; Dec. 7; Serial No. 386,154; published Feb. 9, 1937. Class 19.

Economy Tool Machine Co., Muskegon Heights, Mich. Wire bending and cutting machines. 352,704; Dec. 7; Serial No. 395,908; published Sept. 28, 1937. Class 23.

Ehlenberger, George, & Co. Inc., New York, N. Y. Butter, eggs, cheese, and Stilton cheese with port wine. 352,712; Dec. 7; Serial No. 396,028; published Sept. 28, 1937. Class 46.

Ehlenberger, George, & Co. Inc., New York, N. Y. Butter. 352,713; Dec. 7; Serial No. 396,029; published Sept. 28, 1937. Class 46.

Ellis, T. M., Jr., doing business as Shekels Advertising Company, Beloit, Wis. Board game. 352,719; Dec. 7; Serial No. 396,188; published Sept. 28, 1937. Class 22.

Expello Corporation, The, Dover, N. H. Toilet bowl cleaner. 352,714; Dec. 7; Serial No. 396,030; published Sept. 28, 1937. Class 4.

Fairbanks, Morse & Co., Chicago, Ill. Mechanical stokers and automatic draft-regulating devices for stokers. 352,579; Dec. 7; Serial No. 388,350; published Sept. 28, 1937. Class 34.

Farber Bros., Inc., also doing business as Stay-On Manufacturing Co., Memphis, Tenn. Automobile seat covers. 352,646; Dec. 7; Serial No. 394,834; published Sept. 28, 1937. Class 19.

Faultless Rubber Company, The, Ashland, Ohio. Rubber articles. 121,425–8; renewed Apr. 30, 1938.

Fingertip system Company. (See Stiles, Dudley H.)

Fischer & Co., Inc., New York, N. Y. Ladies' silk pajamas and underwear. 352,709; Dec. 7; Serial No. 395,986; published Sept. 28, 1937. Class 39.

Foremost Hat Co. Inc., New York, N. Y. Women's and misses' hats. 352,680; Dec. 7; Serial No. 395,614; published Sept. 28, 1937. Class 39.

Garfinkel & Ritter, New York, N. Y. Chemises, pantles, slips, etc. 352,658; Dec. 7; Serial No. 395,192; published Sept. 28, 1937. Class 39.

Garfinkel & Ritter, New York, N. Y. Chemises, pantles, night-gowns, etc. 352,686–8; Dec. 7; Serial Nos. 395,708–10; published Sept. 28, 1937. Class 39.

General Mills, Inc., Minneapolis, Minn. Flour. 352,548; Dec. 7; Serial No. 363,044; published Sept. 28, 1937. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. 352,549; Dec. 7; Serial No. 363,046; published Sept. 28, 1937. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. 352,565; Dec. 7; Serial No. 381,450; published Sept. 28, 1937. Class 46.

General Mills, Inc. (See Sperry Flour Company, assignor.)

Geuting, A. H., Company, Philadelphia, Pa. Shoes. 352,589; Dec. 7; Serial No. 390,645; published Sept. 21, 1937. Class 39.

Gielow, J. J., & Sons, Inc., Detroit, Mich. Non-alcoholic fruit extracts for beverage purposes. 352,666; Dec. 7; Serial No. 395,409; published Sept. 28, 1937. Class 45.

Gimbel Brothers, Inc., New York, N. Y. Women's shoes. 352,606; Dec. 7; Serial No. 392,526; published Sept. 28, 1937. Class 39.

Glnckin Corp., The, New York, N. Y. Brassières and girdles. 352,698; Dec. 7; Serial No. 395,822; published Sept. 28, 1937. Class 39.

Goldblatt Bros. Inc., Chicago, Ill. Sweater sets, polo shirts, ski pants, etc. 352,693; Dec. 7; Serial No. 395,756; published Sept. 28, 1937. Class 39.

Golden Rule, The, St. Paul, Minn. Misses' and children's clothing. 352,667; Dec. 7; Serial No. 395,411; published Sept. 21, 1937. Class 39.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Automobile seat covers. 352,609; Dec. 7; Serial No. 393,129; published Sept. 28, 1937. Class 19.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Storage batteries, electricians' tape. 352,716; Dec. 7; Serial No. 396,074; published Sept. 28, 1937. Class 21.

Gordon-Allen Ltd., Oakland, Calif. Clothes washing soap. 352,550; Dec. 7; Serial No. 366,095; published Sept. 21, 1937. Class 4.

Granik, Theodore, New York, N. Y. Publication. 352,564; Dec. 7; Serial No. 380,832; published Sept. 21, 1937. Class 38.

Grant, D. H., & Co. Inc., New York, N. Y. Dresses, outer skirts, kimonos, etc. 352,605; Dec. 7; Serial No. 392,492; published Sept. 21, 1937. Class 39.

Grean, Seymour S. (See Silverman & Grean, Inc., assignor.)

Gutta Percha & Rubber Manufacturing Company, The, New York, assignor to Hewitt Rubber Corporation, Buffalo, N. Y. Belting. 120,192; renewed Jan. 15, 1938.

Haire, Robert D., Roswell, N. Mex. Health column and articles for publication pertaining to subjects on medicine and health. 352,600; Dec. 7; Serial No. 392,274; published Sept. 21, 1937. Class 38.

Hales & Hunter Co., Chicago, Ill. Poultry feed. 352,683; Dec. 7; Serial No. 395,643; published Sept. 28, 1937. Class 46.

Halprin, Morris A., Los Angeles, Calif. Combination bottle holder and door knocker. 352,583; Dec. 7; Serial No. 389,785; published Sept. 28, 1937. Class 13.

Hansen, Julius E., doing business as J. E. Hansen Company, Rochester, N. Y. Abdominal belts and trusses. 352,584; Dec. 7; Serial No. 389,786; published Sept. 28, 1937. Class 44.

Hearst Enterprises Incorporated, New York, N. Y. Weekly publication. 352,621; Dec. 7; Serial No. 393,710; published Sept. 21, 1937. Class 38.

Hendrickson, Paul, doing business as Hendrickson's Winery, Los Angeles, Calif. Wines. 352,610; Dec. 7; Serial No. 395,129; published Sept. 28, 1937. Class 47.

Hewitt Rubber Corporation. (See Gutta Percha & Rubber Manufacturing Company, The, assignor.)

Hoffman, J. S., Co., Inc., New York, N. Y. Cheese. 352,727; Dec. 7. Class 46.

Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Printed books, periodicals, and circulars. 120,746; renewed Mar. 5, 1938.

Howard, J. W. & A. P., Company. (See K-K Shoe Company, assignor.)

Hygrade Food Products Corporation, New York, N. Y. Luncheon meats. 352,707; Dec. 7; Serial No. 395,947; published Sept. 28, 1937. Class 46.

Imperial Manufacturing Co., New York, N. Y. Panties, girdles, and slips. 352,668; Dec. 7; Serial No. 395,414; published Sept. 28, 1937. Class 39.

Independent Milwaukee Brewery, Milwaukee, Wis. Beer. 352,663; Dec. 7; Serial No. 395,296; published Sept. 28, 1937. Class 48.

Industrial Engineering Corporation, Boston, Mass. Machine parts, pumps, winches, etc. 352,568; Dec. 7; Serial No. 384,084; published May 18, 1937. Class 23.

International Shoe Co., St. Louis, Mo. Boots and shoes. 352,689; Dec. 7; Serial No. 395,733; published Sept. 28, 1937. Class 39.

Interstate Cotton Oil Refining Co., Sherman, Tex. Cotton-seed-oil shortening. 121,449; renewed Apr. 30, 1938.

Irvington Varnish & Insulator Company, Irvington, N. J. Materials for electrical purposes. 119,542; renewed Nov. 27, 1937.

Jaffe, Arthur, New York, N. Y. Shirts, undershirts, and nightshirts, and pajamas. 352,620; Dec. 7; Serial No. 393,676; published Sept. 28, 1937. Class 39.

Jefferson Electric Company. (See Chicago Fuse Mfg. Co.)

Joseph & Feiss Company, The, Cleveland, Ohio. Top coats, overcoats, and suits. 352,685; Dec. 7; Serial No. 395,670; published Sept. 28, 1937. Class 39.

K-K Shoe Company, assignor to J. W. & A. P. Howard Company, Corry, Pa. Boots, shoes, and slippers. 121,451; renewed Apr. 30, 1938.

Kanegafuchi Boseki Kabushiki Kwaisha, Tokyo, Japan. Raw silk. 352,558–60; Dec. 7; Serial Nos. 379,242–4; published Sept. 28, 1937. Class 1.

Kayser, Julius, & Co., New York, N. Y. Knit underwear and hosiery. 120,399; renewed Feb. 5, 1938.

Kayser, Julius, & Co., New York, N. Y. Ladies' knit underwear. 120,501; renewed Feb. 12, 1938.

Kellogg Switchboard & Supply Co., Chicago, Ill. Telephone sets, hand telephones. 352,710; Dec. 7; Serial No. 395,996; published Sept. 28, 1937. Class 21.

Kelly Axe Manufacturing Company, Charleston, W. Va., assignor, by mesne assignments, to The American Fork & Hoe Company, Cleveland, Ohio. Axes, hatchets, scythes, etc. 119,899; renewed Dec. 18, 1937.

Kemper, Johanna, Neuenkirchen Kreis Wiedenbruck, Westphalia, Germany. Milk separators, potato rooters, kneading, blending and mixing machines. 352,700; Dec. 7; Serial No. 395,869; published Sept. 28, 1937. Class 23.

Kilgore Manufacturing Company, The, Westerville, Ohio. Toy firearms. 352,547; Dec. 7; Serial No. 358,325; published Sept. 28, 1937. Class 22.

Kleinert, I. B., Rubber Company. (See Kops Bros., assignor.)

Knipe Bros. Inc., Haverhill, Mass. Shoes. 352,630; Dec. 7; Serial No. 394,415; published Sept. 21, 1937. Class 39.

Kops Bros., assignor to I. B. Kleinert Rubber Company, New York, N. Y. Corsets, brassières, and ladies' underwaists. 121,455; renewed Apr. 30, 1938.

Kuatro Sales, Seattle, Wash. Card games and board games. 352,705; Dec. 7; Serial No. 395,919; published Sept. 28, 1937. Class 22.

Lake Erie Provision Company, The. (See Cleveland Provision Company, The, assignor.)

Lee & Cady. (See Worden Grocer Company, assignor.)

Leppert, William H., doing business as The Southern Signal Company, New Orleans, La. Chemical flares. 352,602; Dec. 7; Serial No. 392,327; published Sept. 28, 1937. Class 9.

Leventhal, Philip, & Sons, New York, N. Y. Men's and ladies' hosiery and underwear, suspenders, etc. 352,588; Dec. 7; Serial No. 390,549; published Sept. 21, 1937. Class 39.

Lewel Mfg. Co., Inc., New York, N. Y. Bandeaux and brassières. 352,690–2; Dec. 7; Serial Nos. 395,734–6; published Sept. 28, 1937. Class 39.

Liebmann's, S., Sons Brewing Company, assignor, by mesne assignments, to Liebmann Breweries, Inc., Brooklyn, N. Y. Beverage brewed of malt and other cereals and is non-alcoholic. 119,332; renewed Nov. 13, 1937.

Lowe, Joe, Corporation, New York, N. Y. Baking powder and a whip powder for making cream roll fillings, etc. 352,552; Dec. 7; Serial No. 376,127; published Sept. 28, 1937. Class 46.

Lyle, Fay S., doing business as Scientific Fishermen's Association, Cincinnati, Ohio. Charts. 352,595; Dec. 7; Serial No. 391,874; published Sept. 21, 1937. Class 38.

Mackenzie Candy Company, The, Cleveland, Ohio. Candy. 352,631; Dec. 7; Serial No. 394,464; published Sept. 28, 1937. Class 46.

Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Gloves. 120,032; renewed Jan. 1, 1938.

Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Hosiery. 120,033; renewed Jan. 1, 1938.

Macy, R. H., & Co., assignor to R. H. Macy & Co., Inc., New York, N. Y. Coats, vests, and trousers. 120,275; renewed Jan. 29, 1938.

Manhattan Electrical Supply Co., Inc., assignor to National Carbon Company, Inc., New York, N. Y. Electric batteries. 120,761; renewed Mar. 5, 1938.

Marbert Products, Inc., New York, N. Y. Cola carbonated beverage. 352,611; Dec. 7; Serial No. 393,136; published Sept. 28, 1937. Class 45.

Marbon Corporation, Chicago, Ill. Oil containers. 352,585; Dec. 7; Serial No. 390,327; published Sept. 28, 1937. Class 2.

Marizon & Rosenberg Co., Inc., New York, N. Y. Publication. 352,607; Dec. 7; Serial No. 392,600; published Aug. 10, 1937. Class 38.

Markwell Manufacturing Company, Inc., New York, N. Y. Stapling machines. 352,696; Dec. 7; Serial No. 395,796; published Sept. 28, 1937. Class 23.

McCray Refrigerator Company, Kendallville, Ind. Refrigerators. 352,723; Dec. 7; Serial No. 396,434; published Sept. 28, 1937. Class 31.

McCrory Stores Corporation, New York, N. Y. Crockery domestic hollowware. 352,613; Dec. 7; Serial No. 393,223; published Sept. 28, 1937. Class 30.

Menasha Products Company, Menasha, Wis. Paper containers and cartons. 352,681; Dec. 7; Serial No. 395,073; published Sept. 7, 1937. Class 2.

Midway Chemical Co., Chicago, Ill. Stove polish, porcelain cleaner, shoe cleaner and polish, etc. 352,653; Dec. 7; Serial No. 395,139; published Sept. 21, 1937. Class 4.

Minnesota Macaroni Co., St. Paul, Minn. Macaroni food products and egg noodles. 352,567; Dec. 7; Serial No. 383,593; published Sept. 28, 1937. Class 46.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth and abrasive paper. 352,731; Dec. 7. Class 4.

Mojonnier & Sons, Inc., Walla Walla, Wash. Fresh fruits and vegetables. 352,612; Dec. 7; Serial No. 393,140; published Sept. 28, 1937. Class 46.

Moore, E. R., Company, Chicago, Ill. Gymnasium suits, dancing suits, sport bloomers, etc. 352,725; Dec. 7. Class 39.

Morris, Charles D., New York, N. Y. Cotton piece goods. 352,638; Dec. 7; Serial No. 394,672; published Sept. 28, 1937. Class 42.

Morris, Charles D., New York, N. Y. Children's dresses, raincoats, and pajamas. 352,639; Dec. 7; Serial No. 394,673; published Sept. 28, 1937. Class 39.

Morris Shoe Co. Inc., New York, N. Y. Shoes. 352,643; Dec. 7; Serial No. 394,794; published Sept. 21, 1937. Class 39.

Mosgrove, Charles A., doing business as New Way Spreader Company, Mansfield, Ill. Lime and fertilizer spreaders. 352,604; Dec. 7; Serial No. 395,762; published Sept. 28, 1937. Class 23.

Mosler Safe Co., The, Hamilton, Ohio, doing business as The Mosler Lock Co., Covington, Ky. Portable and built in place safes, safety cabinets, bank vaults, etc. 352,592; Dec. 7; Serial No. 391,029; published Sept. 28, 1937. Class 25.

Museback Shoe Company, Danville, Ill. Boots and shoes. 352,644; Dec. 7; Serial No. 394,795; published Sept. 21, 1937. Class 39.

Nasser, James E., San Francisco, Calif. Game apparatus. 352,580; Dec. 7; Serial No. 388,819; published Sept. 28, 1937. Class 22.

National Carbon Company, Inc. (See Manhattan Electrical Supply Co., Inc., assignor.)

National Casket Company, New York, N. Y., by change of name, to National Casket Company, Inc., Boston, Mass. Casket hardware. 121,478; renewed Apr. 30, 1938.

National Trailways System, Chicago, Ill. Periodical. 352,654; Dec. 7; Serial No. 395,142; published Sept. 21, 1937. Class 38.

Nestle's Milk Products, Inc., New York, N. Y. Milk food for infant feeding. 352,701; Dec. 7; Serial No. 395,873; published Sept. 28, 1937. Class 46.

New Way Spreader Company. (See Mosgrove, Charles A.)

Nier, Hermann, Belerfeld, Germany. Liquid and solid fuel lanterns, replacement glasses, and other lantern parts. 352,598; Dec. 7; Serial No. 392,029; published Sept. 28, 1937. Class 34.

Nordby-Roe Corporation, Chicago, Ill. Beds, dressers, tables, etc. 352,604; Dec. 7; Serial No. 392,446; published Sept. 28, 1937. Class 32.

Nu-Way Distributing Co., New York, N. Y. Boots, shoes, sandals, and slippers. 352,635; Dec. 7; Serial No. 394,518; published Sept. 28, 1937. Class 39.

Oglesby Granite Quarries, Elberton, Ga. Granite. 352,616; Dec. 7; Serial No. 393,500; published Sept. 21, 1937. Class 1.

Oglesby Granite Quarries, Elberton, Ga. Stone monuments, stone memorials, stone tablets, etc. 352,617; Dec. 7; Serial No. 393,501; published Sept. 21, 1937. Class 50.

Onita Specialty Company, Brooklyn, N. Y. Infants' and children's slips (gertrudes), pajamas, sun suits, etc. 352,603; Dec. 7; Serial No. 392,331; published Sept. 28, 1937. Class 39.

Pacific Mills, Boston and Lawrence, Mass. Dresses. 352,628; Dec. 7; Serial No. 394,300; published Sept. 28, 1937. Class 39.

Page, Louise A., assignor to James W. Page, Slaterville Springs, N. Y. Mineral water. 121,563; renewed May 7, 1938.

Pal Products Co., Inc., Brooklyn, N. Y. Preparation for cleaning porcelain, tile, and enamel. 352,627; Dec. 7; Serial No. 394,247; published Sept. 28, 1937. Class 4.

Perfect, A. H., & Co., Fort Wayne, Ind. Foods. 121,139; renewed Apr. 9, 1938.

Perlman, A. M., Inc., New York, N. Y. Rayon piece goods. 352,652; Dec. 7; Serial No. 395,086; published Sept. 28, 1937. Class 42.

Perrin Glove Co. Inc., New York and Gloversville, N. Y. Gloves. 352,623–4; Dec. 7; Serial Nos. 394,095–6; published Sept. 28, 1937. Class 39.

Petroleum Heat and Power Company, New York, N. Y. Oil burners. 352,641–2; Dec. 7; Serial Nos. 394,728–4; published Sept. 28, 1937. Class 34.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Medicinal preparation. 121,093; renewed Apr. 2, 1938.

Phillips, Levin, Baltimore, Md. Beverages, and syrups and extracts used in making. 352,561–2; Dec. 7; Serial Nos. 380,588–9; published Sept. 1, 1936. Class 45.

Play-Time, Inc., Cleveland, Ohio. Board games. 352,673–4; Dec. 7; Serial Nos. 395,506–7; published Sept. 28, 1937. Class 22.

Podhouser & Hollinger, New York, N. Y. Muskrat fur coats for women. 352,659; Dec. 7; Serial No. 395,202; published Sept. 28, 1937. Class 39.

Portis Bros. Hat Co., Chicago, Ill. Hats and caps. 352,596–7; Dec. 7; Serial Nos. 391,883–4; published Sept. 21, 1937. Class 39.

Rasmussen Shoe Company, Westboro, Mass. Shoes. 352,702; Dec. 7; Serial No. 395,881; published Sept. 28, 1937. Class 39.

Rizzuto, Salvatore, doing business as Rubnu Co., Brooklyn, N. Y. Preparation for polishing, preserving, and waterproofing. 352,640; Dec. 7; Serial No. 394,679; published Sept. 28, 1937. Class 4.

Roberts, Lewis, Newark, N. J. Printing inks. 352,730; Dec. 7. Class 11.

Robinson Bros. & Company Incorporated, Portland, Maine, and Malden, Mass. Soap. 352,629; Dec. 7; Serial No. 394,350; published Sept. 21, 1937. Class 4.

Roth, Otto, to Otto Roth & Co. Inc., New York, N. Y., successor. Cheese. 120,692; renewed Feb. 26, 1938.

Royal Amusement Company, Los Angeles, Calif. Ball spinning games. 352,678; Dec. 7; Serial No. 395,594; published Sept. 28, 1937. Class 22.

Rubbercraft Corporation of California, Ltd., Los Angeles, Calif. Buoys. 352,728; Dec. 7. Class 19.

Rubnu Co. (See Rizzuto, Salvatore.)

Rutherford Food Corporation, Kansas City, Mo. Specially prepared canned concentrated condiment for seasoning chile con carne, tamales, etc. 352,647; Dec. 7; Serial No. 394,861; published Sept. 28, 1937. Class 46.

Salesmen's League of America, Inc., New York, N. Y. Periodical publication. 352,681; Dec. 7; Serial No. 395,630; published Sept. 21, 1937. Class 38.

Schechner, A. H., & Son, New York, N. Y. Fur skins. 352,618; Dec. 7; Serial No. 393,505; published Sept. 28, 1937. Class 1.

Scheuer, Samuel, New York, N. Y. Hats. 352,645; Dec. 7; Serial No. 394,806; published Sept. 28, 1937. Class 39.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, etc. 352,669; Dec. 7; Serial No. 395,486; published Sept. 28, 1937. Class 39.

Scientific Fishermen's Association. (See Lyle, Fay S.)

Seaboard Lemon Assn., Oxnard, Calif. Fresh citrus fruits. 352,721; Dec. 7; Serial No. 396,279; published Sept. 28, 1937. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Automobile seat covers. 352,633–4; Dec. 7; Serial Nos. 394,508–9; published Sept. 28, 1937. Class 19.

Security Storage Co., Inc., Baltimore, Md. Fur and cloth garments. 352,572; Dec. 7; Serial No. 386,698; published Sept. 28, 1937. Class 39.

Sharp Paper & Specialty Co. Inc., New York, N. Y. Kraft wrapping paper. 352,570; Dec. 7; Serial No. 385,871; published Sept. 28, 1937. Class 37.

Shekels Advertising Company. (See Ellis, T. M., Jr.)

Sho-Windo Co., St. Louis, Mo. Boxes, bags, containers, etc. 352,706; Dec. 7; Serial No. 395,933; published Sept. 28, 1937. Class 2.

Signore, Pierre B., New York, N. Y. Endives. 352,574; Dec. 7; Serial No. 387,050; published Sept. 28, 1937. Class 46.

Siegel, A. L., Co., Inc., New York, N. Y. Transparent wearing apparel. 352,675; Dec. 7; Serial No. 395,510; published Sept. 28, 1937. Class 39.

Silverman & Grean, Inc., New York, assignor to Seymour S. Grean, Manhattan Beach, N. Y. Clothing and accessories. 352,626; Dec. 7; Serial No. 394,147; published Sept. 21, 1937. Class 39.

Simon Millinery Co., San Francisco, Calif. Ladies' hats. 352,729; Dec. 7. Class 39.

Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. 119,390–1; renewed Nov. 13, 1937.

Society of Chemical Industry in Basle, Basel, Switzerland. Medicine. 119,392; renewed Nov. 13, 1937.
Sonneborn, L., Sons, Inc., New York, N. Y. Liquid used as a disinfectant, sterilizer, cleanser, etc. 120,120; renewed Jan. 8, 1938.
Southern Signal Company, The. (See Leppert, William H.)
Sperry Flour Company, San Francisco, Calif., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Self-rising wheat-flour. 119,395; renewed Nov. 13, 1937.
Staedtler, J. S., Nuremberg, Germany. Writing materials. 352,578; Dec. 7; Serial No. 388,076; published Sept. 28, 1937. Class 37.
Standard Garment Co. Inc., New York, N. Y. Dresses, outer skirts, blouses, etc. 352,615; Dec. 7; Serial No. 393,452; published Sept. 21, 1937. Class 39.
Stay-On Manufacturing Co. (See Farber Bros., Inc.)
Sterling Sweeper Company, Holland, Mich. Carpet sweepers. 352,717; Dec. 7; Serial No. 396,110; published Sept. 28, 1937. Class 23.
Stiles, Dudley H., doing business as Fingertip System Company, Kansas City, Kans. Portable accounting systems and supplementary computing attachments. 352,726; Dec. 7. Class 37.
Street, R. R., & Co. Inc., Chicago, Ill. Superfatted dry cleaner. 352,557; Dec. 7; Serial No. 379,154; published Sept. 28, 1937. Class 4.
Swank Products, Inc., Attleboro, Mass. Men's suspenders or braces. 352,664; Dec. 7; Serial No. 395,362; published Sept. 28, 1937. Class 39.
Swartchild & Company, Chicago, Ill. Jewelers, watchmakers, etc. appliances. 352,715; Dec. 7; Serial No. 396,050; published Sept. 28, 1937. Class 23.
Tagcraft Corporation, Lancaster, Pa. Printed tags and labels. 352,591; Dec. 7; Serial No. 390,941; published Sept. 21, 1937. Class 38.
Toops, Noble C., doing business as Toops Bros., Chicago, Ill. Floor brushes, barber brushes, shaving brushes, etc. 352,711; Dec. 7; Serial No. 396,016; published Sept. 28, 1937. Class 29.
Troy, Seymour, Incorporated, New York, N. Y. Ladies' shoes. 352,684; Dec. 7; Serial No. 395,658; published Sept. 28, 1937. Class 39.
Trumbull Electric Manufacturing Company, The, Plainville, Conn. Electrical insulators and parts thereof. 352,703; Dec. 7; Serial No. 395,886; published Sept. 28, 1937. Class 21.
U-Wan-A Wash Frocks, Inc., New York, N. Y. Beach dresses, beach robes, sport dresses, etc. 352,679; Dec. 7; Serial No. 395,598; published Sept. 28, 1937. Class 39.
Vita Var Corp., Newark, N. J. Paints, paint enamels, and varnishes, etc. 352,722; Dec. 7; Serial No. 396,376; published Sept. 28, 1937. Class 16.
Wilkerson Shoe Company, St. Louis, Mo. Shoes. 352,551; Dec. 7; Serial No. 370,848; published Sept. 28, 1937. Class 39.
Wilkinson, Kenyon F., San Juan, Tex. Winner selection tickets or forms for games and/or contests of speed, etc. 352,556; Dec. 7; Serial No. 378,769; published Sept. 21, 1937. Class 38.
Worden Grocer Company, Grand Rapids, assignor to Lee & Cady, Detroit, Mich. Canned vegetables. 120,003; renewed Dec. 25, 1937.
Zeiss, Carl, Jena, Germany. Lenses for scientific use, prisms, reflectors, etc. 352,708; Dec. 7; Serial No. 395,974; published Sept. 28, 1937. Class 26.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. 352,695; Dec. 7; Serial No. 395,794; published Sept. 28, 1937. Class 21.

LIST OF REGISTRANTS OF LABELS

Edwards, Willis G., Berkeley, Calif. Cowboy Peppermint Gum. For Peppermint Gum. 50,429; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Open Kettle Rendered Lard. 50,430; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Pure Refined Lard. 50,431; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Fresh Pork Sausage. 50,432; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Sugar Cured Meats. 50,433; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Sugar Cured Picnics. 50,434; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Sugar Cured Ham. 50,435; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Sugar Cured Bacon. 50,436; Dec. 7.
Kahn's, E., Sons Co., The, Cincinnati, Ohio. Dove Brand. For Smoked Sausage. 50,437; Dec. 7.
Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Kroger's Country Club Clock Bread. For Bread. 50,438; Dec. 7.
Labkon, David W., doing business as Labkon Products Co., Chicago, Ill. Labkon's Kosher Soap Flakes. For Soap Flakes. 50,439; Dec. 7.
Liberty Frock Company, Kansas City, Mo. The Junior. For Frocks. 50,440; Dec. 7.
Mannings, Inc., San Francisco, Calif. Mannings Coffee—Brown Bag Blend. For Coffee. 50,441; Dec. 7.
Menasha Products Company, Menasha, Wis. Pride of Jordan Creamery Butter. For Butter. 50,442; Dec. 7.
Menasha Products Company, Menasha, Wis. Rainbow Brand Oleomargarine. For Oleomargarine. 50,443; Dec. 7.
Oconomowoc Canning Company, Oconomowoc, Wis. Land O'Lakes. For Canned Peas. 50,444; Dec. 7.
Padre Vineyard Company, Los Angeles, Calif. Padre Sec. For California Champagne. 50,445; Dec. 7.
Reinhold, Arno, doing business as Reinhold Company, Cleveland, Ohio. Air-Vent Platter Cover. For Water Proof Silk Covers for Food Platters. 50,446; Dec. 7.
Sonneborn & Meyrich, New York, N. Y. Chami-Fab. For Interlinings for Coats. 50,447; Dec. 7.
Wilson, J. Levers, Pitman, N. J. Wilso. For a Skin Cleanser. 50,448; Dec. 7.

LIST OF REGISTRANTS OF PRINTS

Awful Frosh MacFarlane, Oakland, San Francisco, and Berkeley, Calif. Price List on Some of my Stuff. For Candy and Nuts. 16,602; Dec. 7.
Bueker, Arnold, Hamilton, Ohio. White Home Coal. For Coal. 16,603; Dec. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal and coke. M. Belinson. 352,553; Dec. 7; Serial No. 376,373; published Nov. 10, 1936.
Fur skins. A. H. Schechner & Son. 352,618; Dec. 7; Serial No. 393,505; published Sept. 28, 1937.
Granite. Ogleby Granite Quarriers. 352,616; Dec. 7; Serial No. 393,500; published Sept. 21, 1937.
Seeds. Cornell Seed Company. 352,573; Dec. 7; Serial No. 386,771; published Sept. 28, 1937.
Silk, Raw. Kanefaguchi Boseki Kabushiki Kwaisha. 352,558–60; Dec. 7; Serial Nos. 379,242–4; published Sept. 28, 1937.

CLASS 2

Boxes, bags, containers, etc. Sho-Windo Co. 352,706; Dec. 7; Serial No. 395,933; published Sept. 28, 1937.
Containers and cartons, Paper. Menasha Products Company. 352,651; Dec. 7; Serial No. 395,073; published Sept. 7, 1937.
Containers, Oil. Marbon Corporation. 352,585; Dec. 7; Serial No. 390,327; published Sept. 28, 1937.

CLASS 3

Hand bags, portfolios, pocketbooks, etc., Leather and canvas. Abraham & Straus, Inc. 352,575; Dec. 7; Serial No. 387,055; published Sept. 28, 1937.

CLASS 4

Abrasive cloth and abrasive paper. Minnesota Mining & Manufacturing Company. 352,731; Dec. 7.
Cleaner for white shoes, belts, etc. Buck-O Cleaner Co. 352,590; Dec. 7; Serial No. 390,777; published Sept. 21, 1937.
Cleaner, Toilet bowl. Expello Corporation. 352,714; Dec. 7; Serial No. 396,030; published Sept. 28, 1937.
Cleaner, Wall paper. Cleveland Cleaner and Paste Company. 352,697; Dec. 7; Serial No. 395,814; published Sept. 21, 1937.

Cleaning preparation. T. J. Bowes. 352,593; Dec. 7; Serial No. 391,171; published Sept. 28, 1937.
Dry cleaner, Superfatted. R. R. Street & Co. Inc. 352,557; Dec. 7; Serial No. 379,154; published Sept. 28, 1937.
Polish, porcelain cleaner, shoe cleaner and polish, etc., Stove. Midway Chemical Co. 352,653; Dec. 7; Serial No. 395,139; published Sept. 21, 1937.
Preparation for cleaning porcelain, tile, and enamel. Pal Products Co. 352,627; Dec. 7; Serial No. 394,247; published Sept. 28, 1937.
Preparation for polishing, preserving, and waterproofing. S. Rizzuto. 352,640; Dec. 7; Serial No. 394,679; published Sept. 28, 1937.
Soap. Robinson Bros. & Company Incorporated. 352,629; Dec. 7; Serial No. 394,350; published Sept. 21, 1937.
Soap, Clothes washing. Gordon-Allen Ltd. 352,550; Dec. 7; Serial No. 366,095; published Sept. 21, 1937.
Sweeping and cleaning compounds. Cotto-Waxo Company. 121,412; renewed Apr. 30, 1938.

CLASS 6

Colors, Coal-tar. Society of Chemical Industry in Basle. 119,390–1; renewed Nov. 13, 1937.
Liquid used as a disinfectant, sterilizer, cleanser, etc. L. Sonneborn Sons, Inc. 120,120; renewed Jan. 8, 1938.
Medicinal preparation. S. Pfeiffer Manufacturing Company. 121,093; renewed Apr. 2, 1938.
Medicine. Society of Chemical Industry in Basle. 119,392; renewed Nov. 13, 1937.

CLASS 7

Twine. Carter, Rice & Company. 352,682; Dec. 7; Serial No. 395,636; published Sept. 28, 1937.

CLASS 8

Cigar and cigarette holders, pipes and pipe cleaners, etc. Ahrnham & Straus, Inc. 352,576; Dec. 7; Serial No. 387,056; published Sept. 28, 1937.

CLASS 9

Flares, Chemical. W. H. Leppert. 352,602; Dec. 7; Serial No. 392,327; published Sept. 28, 1937.

CLASS 11

Carbon papers, inked ribbons, carbon paper rolls, etc. H. Bleking. 352,732; Dec. 7.
Inks, Printing. L. Roberts. 352,730; Dec. 7.

CLASS 13

Casket hardware. National Casket Company. 121,478; renewed Apr. 30, 1938.
Holder and door knocker, Combination bottle. M. A. Halprin. 352,583; Dec. 7; Serial No. 389,785; published Sept. 28, 1937.

CLASS 14

Lead. American Smelting and Refining Company. 352,734; Dec. 7.

CLASS 16

Paints, paint enamels, and varnishes, etc. Vita Var Corp. 352,722; Dec. 7; Serial No. 396,376; published Sept. 28, 1937.

CLASS 19

Buoys. Rubbercraft Corporation of California, Ltd. 352,728; Dec. 7.
Radiator units for use in the interior of automobiles, trucks, etc. E. A. Laboratories, Inc. 352,571; Dec. 7; Serial No. 386,154; published Feb. 9, 1937.
Seat covers, Automobile. Farber Bros., Inc. 352,646; Dec. 7; Serial No. 394,834; published Sept. 28, 1937.
Seat covers, Automobile. B. F. Goodrich Company. 352,609; Dec. 7; Serial No. 393,126; published Sept. 28, 1937.
Seat covers, Automobile. Sears, Roebuck and Co. 352,633–4; Dec. 7; Serial Nos. 394,508–9; published Sept. 28, 1937.
Trailers for automobiles. H. Brumpton. 352,636; Dec. 7; Serial No. 394,530; published Sept. 28, 1937.

CLASS 21

Batteries, electricians' tape, Storage. B. F. Goodrich Company. 352,716; Dec. 7; Serial No. 396,074; published Sept. 28, 1937.
Electric batteries. Manhattan Electrical Supply Co. 120,761; renewed Mar. 5, 1938.
Electrical insulators and parts thereof. Trumbull Electric Manufacturing Company. 352,703; Dec. 7; Serial No. 395,886; published Sept. 28, 1937.
Electrical supplies. Chicago Fuse Mfg. Co. 120,343; renewed Feb. 5, 1938.
Materials for electrical purposes. Irvington Varnish & Insulator Company. 119,542; renewed Nov. 27, 1937.
Radio and television receiving sets and parts thereof. Zenith Radio Corporation. 352,695; Dec. 7; Serial No. 395,794; published Sept. 28, 1937.
Radio receiving sets. Allied Stores Corporation. 352,594; Dec. 7; Serial No. 391,449; published July 13, 1937.
Telephone sets, hand telephones. Kellogg Switchboard & Supply Co. 352,710; Dec. 7; Serial No. 395,996; published Sept. 28, 1937.

CLASS 22

Game apparatus. J. E. Nasser. 352,580; Dec. 7; Serial No. 388,819; published Sept. 28, 1937.
Game, Board. T. M. Ellis, Jr. 352,719; Dec. 7; Serial No. 396,188; published Sept. 28, 1937.
Games and board games, Card. Kuatro Sales. 352,705; Dec. 7; Serial No. 395,919; published Sept. 28, 1937.
Games, Ball spinning. Royal Amusement Company. 352,678; Dec. 7; Serial No. 395,594; published Sept. 28, 1937.
Games, Board. Play-Time, Inc. 352,673–4; Dec. 7; Serial Nos. 395,506–7; published Sept. 28, 1937.
Toy firearms. Kilgore Manufacturing Company. 352,547; Dec. 7; Serial No. 358,325; published Sept. 28, 1937.

CLASS 23

Appliances, Jewelers, watchmakers, etc. Swartchild & Company. 352,715; Dec. 7; Serial No. 396,050; published Sept. 28, 1937.
Axes, hatchets, scythes, etc. Kelly Axe Manufacturing Company. 119,899; renewed Dec. 18, 1937.
Jacks and wrench sets, Hydraulic. Blackhawk Mfg. Co. 352,718; Dec. 7; Serial No. 396,177; published Sept. 28, 1937.
Lime and fertilizer spreaders. C. A. Mosgrove. 352,694; Dec. 7; Serial No. 395,762; published Sept. 28, 1937.
Machine parts, pumps, winches, etc. Industrial Engineering Corporation. 352,568; Dec. 7; Serial No. 384,084; published May 18, 1937.
Milk separators, potato rooters, kneading, blending, and mixing machines. J. Kemper. 352,700; Dec. 7; Serial No. 395,869; published Sept. 28, 1937
Stapling machines. Markwell Manufacturing Company. 352,696; Dec. 7; Serial No. 395,796 published Sept. 28, 1937.
Sweepers, Carpet. Sterling Sweeper Company. 352,717; Dec. 7; Serial No. 396,110; published Sept. 28; 1937.
Wire bending and cutting machines. Economy Tool Machine Co. 352,704; Dec. 7; Serial No. 395,908; published Sept. 28, 1937.

CLASS 25

Safes, safety cabinets, bank vaults, etc. Mosler Safe Co. 352,592; Dec. 7; Serial No. 391,029; published Sept. 28, 1937.

CLASS 26

Film, Photographic. Du Pont Film Manufacturing Corporation Inc. 352,720; Dec. 7; Serial No. 396,227; published Sept. 28, 1937.
Lenses for scientific use, prisms, reflectors, etc. Carl Zeiss. 352,708; Dec. 7; Serial No. 395,974; published Sept. 28, 1937.

CLASS 29

Brushes, barber brushes, shaving brushes, etc., Floor. N. C. Toops. 352,711; Dec. 7; Serial No. 396,016; published Sept. 28, 1937.
Brushes, Paint. Baker Brush Co. 352,671; Dec. 7; Serial No. 395,502; published Sept. 28, 1937.

CLASS 30

Hollowware, Crockery domestic. McCrory Stores Corporation. 352,613; Dec. 7; Serial No. 393,223; published Sept. 28, 1937.
Table ware, porcelain table and kitchen ware, earthenware table and kitchen ware, etc., China. Abraham & Straus, Inc. 352,577; Dec. 7; Serial No. 387,058; published Sept. 28, 1937.

CLASS 31

Freezers, Ice-cream. Alaska Freezer Co. 352,554; Dec. 7; Serial No. 376,564; published Sept. 28, 1937.
Refrigerators. McCray Refrigerator Company. 352,723; Dec. 7; Serial No. 396,434; published Sept. 28, 1937.

CLASS 32

Beds, dressers, tables, etc. Nordby-Roe Corporation. 352,604; Dec. 7; Serial No. 392,446; published Sept. 28, 1937.

CLASS 34

Boilers for heating water and generating steam; oil and gas burners, etc. Cooney Refrigeration Company. 352,622; Dec. 7; Serial No. 393,799; published Sept. 28, 1937.
Burners, Oil. Petroleum Heat and Power Company. 352,641–2; Dec. 7; Serial Nos. 394,723–4; published Sept. 28, 1937.
Chimney linings. Condensation Engineering Corporation. 352,619; Dec. 7; Serial No. 393,583; published Sept. 28, 1937.
Lanterns, replacement glasses and other lantern parts. H. Nier. 352,598; Dec. 7; Serial No. 392,029; published Sept. 28, 1937.

Stokers and automatic draft-regulating devices for stokers, Mechanical. Fairbanks, Morse & Co. 352,579; Dec. 7; Serial No. 388,350; published Sept. 28, 1937.

CLASS 35

Belting. Gutta Percha & Rubber Manufacturing Company. 120,102; renewed Jan. 15, 1938.

CLASS 37

Accounting systems and supplementary computing attachments, Portable. D. H. Stiles. 352,726; Dec. 7.
Paper. Blake, Moffitt & Towne. 352,582; Dec. 7; Serial No. 389,496; published Sept. 21, 1937.
Paper, Kraft wrapping. Sharp Paper & Specialty Co. Inc. 352,570; Dec. 7; Serial No. 385,871; published Sept. 28, 1937.
Pencil-clasps, pen-clasps, paper-fasteners, etc. Argus Manufacturing Company. 120,056; renewed Jan. 8, 1938.
Writing materials. J. S. Staedtler. 352,578; Dec. 7; Serial No. 388,076; published Sept. 28, 1937.

CLASS 38

Book, charts and pamphlets. Chek-Chart Corporation. 352,569; Dec. 7; Serial No. 385,212; published Sept. 21, 1937.
Books, periodicals, and circulars, Printed. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 120,746; renewed Mar. 5, 1938.
Cartoons, Newspaper. J. N. Cirone. 352,599; Dec. 7; Serial No. 392,085; published Sept. 21, 1937.
Charts. F. S. Lyle. 352,595; Dec. 7; Serial No. 391,874; published Sept. 21, 1937.
Column and articles for publication pertaining to subjects on medicine and health. R. D. Haire. 352,600; Dec. 7; Serial No. 392,274; published Sept. 21, 1937.
Magazine. Chilton Company. 352,655; Dec. 7; Serial No. 395,166; published Sept. 21, 1937.
Periodical. National Trailways System. 352,654; Dec. 7; Serial No. 395,142; published Sept. 21, 1937.
Periodical publication. Salesmen's League of America, Inc. 352,681; Dec. 7; Serial No. 395,630; published Sept. 21, 1937.
Publication. T. Granik. 352,564; Dec. 7; Serial No. 380,832; published Sept. 21, 1937.
Publication. Marizon & Rosenberg Co. 352,607; Dec. 7; Serial No. 392,600; published Aug. 10, 1937.
Publication, Weekly. Hearst Enterprises Incorporated. 352,621; Dec. 7; Serial No. 393,710; published Sept. 21, 1937.
Tags and labels, Printed. Tagcraft Corporation. 352,591; Dec. 7; Serial No. 390,941; published Sept. 21, 1937.
Tickets or forms for games and/or contests of speed, etc., Winner selection. K. F. Wilkinson. 352,550; Dec. 7; Serial No. 378,769; published Sept. 21, 1937.
Trade paper. Reuben H. Donnelley Corporation. 352,677; Dec. 7; Serial No. 395,565; published Sept. 21, 1937.

CLASS 39

Apparel, Women's knitted. Cavendish Trading Corporation. 352,608; Dec. 7; Serial No. 392,845; published Sept. 21, 1937.
Bandeaux and brassières. Lewel Mfg. Co. 352,690–2; Dec. 7; Serial Nos. 395,734–6; published Sept. 28, 1937.
Boots and shoes. International Shoe Co. 352,689; Dec. 7; Serial No. 395,733; published Sept. 28, 1937.
Boots and shoes. Musebeck Shoe Company. 352,644; Dec. 7; Serial No. 394,795; published Sept. 21, 1937.
Boots, shoes, and slippers. K-K Shoe Company. 121,451; renewed Apr. 30, 1938.
Boots, shoes, sandals and slippers. Nu-Way Distributing Co. 352,635; Dec. 7; Serial No. 394,518; published Sept. 28, 1937.
Brassières and girdles. Gluckin Corp. 352,698; Dec. 7; Serial No. 395,822; published Sept. 28, 1937.
Chemises, panties, night-gowns, etc. Garfinkel & Ritter. 352,686–8; Dec. 7; Serial Nos. 395,708–10; published Sept. 28, 1937.
Chemises, panties, slips, etc. Garfinkel & Ritter. 352,658; Dec. 7; Serial No. 395,192; published Sept. 28, 1937.
Clothing and accessories. Silverman & Grean, Inc. 352,626; Dec. 7; Serial No. 394,147; published Sept. 21, 1937.
Clothing for women. Barkin-Levin & Co. Inc. 352,672; Dec. 7; Serial No. 395,503; published Sept. 28, 1937.
Clothing, Misses' and children's. Golden rule. 352,667; Dec. 7; Serial No. 395,411; published Sept. 21, 1937.
Coats for women, Muskrat fur. Podhouser & Hollinger. 352,659; Dec. 7; Serial No. 395,202; published Sept. 28, 1937.
Coats, overcoats, and suits, Men's and boys' top. Joseph & Feiss Company. 352,685; Dec. 7; Serial No. 395,670; published Sept. 28, 1937.
Coats, vests, and trousers. R. H. Macy & Co. 120,275; renewed Jan. 29, 1938.
Coats, vests, trousers, etc. J. Schoeneman, Inc. 352,669; Dec. 7; Serial No. 395,486; published Sept. 28, 1937.
Corsets and girdles. Belfit Foundations Inc. 352,648; Dec. 7; Serial No. 394,972; published Sept. 21, 1937.
Corsets, brassières and ladies' underwaists. Kops Bros. 121,455; renewed Apr. 30, 1938.
Dresses. Dumari Textile Co. 352,649; Dec. 7; Serial No. 394,982; published Sept. 28, 1937.
Dresses. Pacific Mills. 352,628; Dec. 7; Serial No. 394,300; published Sept. 28, 1937.
Dresses, beach robes, sport dresses, etc., Beach. U-Wan-A Wash Frocks, Inc. 352,679; Dec. 7; Serial No. 395,598; published Sept. 28, 1937.
Dresses, outer skirts, blouses, etc. Standard Garment Co. Inc. 352,615; Dec. 7; Serial No. 393,432; published Sept. 21, 1937.
Dresses, outer skirts, kimonos, etc. D. H. Grant & Co. Inc. 352,605; Dec. 7; Serial No. 392,492; published Sept. 21, 1937.
Dresses, raincoats, and pajamas, Children's. C. D. Morris. 352,639; Dec. 7; Serial No. 394,673; published Sept. 28, 1937.
Garments, Fur and cloth. Security Storage Co. 352,572; Dec. 7; Serial No. 380,698; published Sept. 28, 1937.
Girdles, corsets, and brassières, and combinations thereof. Bonzette Foundations, Inc. 352,657; Dec. 7; Serial No. 395,186; published Sept. 28, 1937.
Gloves. R. H. Macy & Co. 120,032; renewed Jan. 1, 1938.
Gloves. Perrin Glove Co. Inc. 352,623–4; Dec. 7; Serial Nos. 394,095–6; published Sept. 28, 1937.
Hats. S. Scheuer. 352,945; Dec. 7; Serial No. 394,806; published Sept. 28, 1937.
Hats and caps. Portis Bros. Hat Co. 352,596–7; Dec. 7; Serial Nos. 391,883–4; published Sept. 21, 1937.
Hats, Ladies'. Simon Millinery Co. 352,729; Dec. 7.
Hats, Women's and misses'. Foremost Hat Co. Inc. 352,680; Dec. 7; Serial No. 395,614; published Sept. 28, 1937.
Hosiery. Berkshire Knitting Mills. 352,563; Dec. 7; Serial No. 380,748; published Sept. 28, 1937.
Hosiery. R. H. Macy & Co. 120,033; renewed Jan. 1, 1938.
Hosiery and underwear, suspenders, etc., Men's and ladies'. Philip Leventhal & Sons. 352,588; Dec. 7; Serial No. 390,549; published Sept. 21, 1937.
Pajamas and underwear, Ladies' silk. Fischer & Co. 352,709; Dec. 7; Serial No. 395,986; published Sept. 28, 1937.
Panties, girdles, and slips. Imperial Manufacturing Co. 352,668; Dec. 7; Serial No. 395,414; published Sept. 28, 1937.
Shirts, undershirts and nightshirts, and pajamas. A. Jaffe. 352,620; Dec. 7; Serial No. 393,676; published Sept. 28, 1937.
Shoes. A. H. Genting Company. 352,589; Dec. 7; Serial No. 390,645; published Sept. 21, 1937.
Shoes. Knipe Bros. Inc. 352,630; Dec. 7; Serial No. 394,415; published Sept. 21, 1937.
Shoes. Morris Shoe Co. Inc. 352,643; Dec. 7; Serial No. 394,794; published Sept. 21, 1937.
Shoes. Rasmussen Shoe Company. 352,702; Dec. 7; Serial No. 395,881; published Sept. 28, 1937.
Shoes. Wilkerson Shoe Company. 352,551; Dec. 7; Serial No. 370,848; published Sept. 28, 1937.
Shoes and slippers, Men's. Ludwig Baumann & Company. 352,724; Dec. 7.
Shoes, Ladies'. Seymour Troy, Incorporated. 352,684; Dec. 7; Serial No. 395,658; published Sept. 28, 1937.
Shoes, Women's. Crittenden Bootery Co. 352,662; Dec. 7; Serial No. 395,287; published Sept. 21, 1937.
Shoes, Women's. Gimbel Brothers, Inc. 352,606; Dec. 7; Serial No. 392,526; published Sept. 28, 1937.
Slips (gertrudes), pajamas, sun suits, etc., Infants' and children's. Onita Specialty Company. 352,603; Dec. 7; Serial No. 392,331; published Sept. 28, 1937.
Suits, dancing suits, sport bloomers, etc., Gymnasium. E. R. Moore Company. 352,725; Dec. 7.
Suits, overcoats, topcoats, etc. Browning King & Co. of New York, Inc. 352,733; Dec. 7.
Suits, rain jackets, rain skirts, etc., Rain. A. L. Siegel Co. 352,675; Dec. 7; Serial No. 395,510; published Sept. 28, 1937.
Suspenders or braces, Men's. Swank Products, Inc. 352,664; Dec. 7; Serial No. 395,362; published Sept. 28, 1937.
Sweater sets, polo shirts, ski pants, etc. Goldblatt Bros. Inc. 352,693; Dec. 7; Serial No. 395,756; published Sept. 28, 1937.
Underwear, Ladies' and children's. Colonial Undergarment Co. 352,650; Dec. 7; Serial No. 395,021; published Sept. 28, 1937.
Underwear and hosiery, Knit. Julius Kayser & Co. 120,399; renewed Feb. 5, 1938.
Underwear, Ladies' knit. Julius Kayser & Co. 120,501; renewed Feb. 12, 1938.

CLASS 42

Cotton and wool piece goods. Currick, Leiken & Bandler. 105,506; renewed July 27, 1935.
Cotton piece goods. C. D. Morris. 352,638; Dec. 7; Serial No. 394,672; published Sept. 28, 1937.
Fabrics, Cotton and rayon pile. Sidney Blumenthal & Co. Inc. 352,581; Dec. 7; Serial No. 389,346; published Sept. 28, 1937.
Fabrics, Elastic. C. A. Cohman. 352,660; Dec. 7; Serial No. 399,222; published Sept. 28, 1937.

Lace. Acme Textile Inc. 352,670; Dec. 7; Serial No. 395,501; published Sept. 28, 1937.
Rayon piece goods. A. M. Perlman Inc. 352,652; Dec. 7; Serial No. 395,086; published Sept. 28, 1937.
Sheets and pillow cases. Butler Brothers. 352,614; Dec. 7; Serial No. 393,258; published Sept. 28, 1937.
Sheets and pillow cases. Chatham Manufacturing Company. 352,676; Dec. 7; Serial No. 395,563; published Sept. 28, 1937.
Suede piece goods. Aladdin Knitting Co. 352,665; Dec. 7; Serial No. 395,387; published Sept. 28, 1937.

CLASS 44

Belts and trusses, Abdominal. J. E. Hansen. 352,584; Dec. 7; Serial No. 389,786; published Sept. 28, 1937.
Rubber articles. Faultless Rubber Company. 121,425–6; renewed Apr. 30, 1938.
Tray especially designed to hold hydro-colloid materials, Water-cooled. Coe Laboratories, Inc. 352,601; Dec. 7; Serial No. 392,312; published Sept. 28, 1937.

CLASS 45

Beverage, Cola carbonated. Marbert Products, Inc. 352,611; Dec. 7; Serial No. 393,136; published Sept. 28, 1937.
Beverages, and syrups and extracts used in making. L. Phillips. 352,561–2; Dec. 7; Serial Nos. 380,588–9; published Sept. 1, 1936.
Extracts for beverage purposes, Non-alcoholic fruit. J. J. Gielow & Sons, Inc. 352,666; Dec. 7; Serial No. 395,409; published Sept. 28, 1937.
Water, Mineral. L. A. Page. 121,563; renewed May 7, 1938.

CLASS 46

Baking powder and a whip powder for making cream roll fillings, etc. Joe Lowe Corporation. 352,552; Dec. 7; Serial No. 376,127; published Sept. 28, 1937.
Butter. George Ehlenberger & Co. Inc. 352,713; Dec. 7; Serial No. 396,029; published Sept. 28, 1937.
Butter, eggs, cheese, and Stilton cheese with port wine. George Ehlenberger & Co. Inc. 352,712; Dec. 7; Serial No. 396,028; published Sept. 28, 1937.
Candy. Mackenzie Candy Company. 352,631; Dec. 7; Serial No. 394,464; published Sept. 28, 1937.
Canned concentrated condiment for seasoning chile con carne, tamales, etc. Rutherford Food Corporation. 352,647; Dec. 7; Serial No. 394,861; published Sept. 28, 1937.
Canned vegetables. Worden Grocer Company. 120,003; renewed Dec. 25, 1937.
Cheese. J. S. Hoffman Co. 352,727; Dec. 7.
Cheese. O. Roth. 120,692; renewed Feb. 26, 1938.
Cheese, mayonnaise, mustard, etc., Grated American and Parmesan. Cottage Club Foods, Inc. 352,555; Dec. 7; Serial No. 377,632; published Sept. 28, 1937.
Endives. P. B. Signore. 352,574; Dec. 7; Serial No. 387,050; published Sept. 28, 1937.
Feed, Poultry. Hales & Hunter Co. 352,683; Dec. 7; Serial No. 395,643; published Sept. 28, 1937.
Flour. General Mills, Inc. 352,548; Dec. 7; Serial No. 363,044; published Sept. 28, 1937.
Flour. General Mills, Inc. 352,549; Dec. 7; Serial No. 363,046; published Sept. 28, 1937.
Flour. General Mills, Inc. 352,565; Dec. 7; Serial No. 381,450; published Sept. 28, 1937.
Flour for bread, cakes, and doughnuts, Prepared. Doughnut Corporation of America. 352,625; Dec. 7; Serial No. 394,129; published Sept. 28, 1937.
Flour, self-rising wheat. Sperry Flour Company. 119,395; renewed Nov. 13, 1937.
Food, Stock. Champion Feed Milling Company. 119,259; renewed Nov. 13, 1937.
Foods. A. H. Perfect & Co. 121,139; renewed Apr. 9, 1938.
Fruits and vegetables, Fresh. Mojonnier & Sons, Inc. 352,612; Dec. 7; Serial No. 393,140; published Sept. 28, 1937.
Fruits, Fresh citrus. Seaboard Lemon Assn. 352,721; Dec. 7; Serial No. 396,279; published Sept. 28, 1937.
Ham. Cleveland Provision Company. 120,169; renewed Jan. 15, 1938.
Ingredient for dog food. Corn Products Refining Company. 352,656; Dec. 7; Serial No. 395,168; published Sept. 28, 1937.
Macaroni food products and egg noodles. Minnesota Macaroni Co. 352,567; Dec. 7; Serial No. 383,593; published Sept. 28, 1937.
Meats, Luncheon. Hygrade Food Products Corporation. 352,707; Dec. 7; Serial No. 395,947; published Sept. 28, 1937.
Milk food for infant feeding. Nestle's Milk Products, Inc. 352,701; Dec. 7; Serial No. 395,875; published Sept. 28, 1937.
Shortening, Cotton-seed-oil. Interstate Cotton Oil Refining Co. 121,449; renewed Apr. 30, 1938.
Shortening, Vegetable. Cudahy Brothers Company. 352,637; Dec. 7; Serial No. 394,590; published Sept. 28, 1937.
Yeast extract paste, yeast flakes, biscuits, etc. Battle Creek Dietetic Supply Co. 352,586; Dec. 7; Serial No. 390,435; published Sept. 28, 1937.
Yeast extract paste, yeast flakes, biscuits, etc. Battle Creek Dietetic Supply Co. 352,587; Dec. 7; Serial No. 390,437; published Sept. 28, 1937.

CLASS 47

Wines. P. Hendrickson. 352,610; Dec. 7; Serial No. 393,129; published Sept. 28, 1937.

CLASS 48

Beer and malt beverage. Bruckmann Company. 352,566; Dec. 7; Serial No. 383,346; published Sept. 28, 1937.
Beer. Independent Milwaukee Brewery. 352,663; Dec. 7; Serial No. 395,296; published Sept. 28, 1937.
Beverage brewed of malt and other cereals and is non-alcoholic. S. Liebmann's Sons Brewing Company. 119,332; renewed Nov. 13, 1937.

CLASS 50

Art carvings, art and decorative plaques, etc. Boynton & Company. 352,661; Dec. 7; Serial No. 395,268; published Sept. 28, 1937.
Hangers, Garment. Du Clair Products Corp. 352,632; Dec. 7; Serial No. 394,479; published Sept. 28, 1937.
Monuments, stone memorials, stone tablets, etc., Stone. Oglesby Granite Quarriers. 352,617; Dec. 7; Serial No. 393,501; published Sept. 21, 1937.

LIST OF LABELS

Air-Vent Platter Cover. For Water Proof Silk Covers for Food Platters. A. Reinhold. 50,446; Dec. 7.
Chami-Fab. For Interlinings for Coats. Sonneborn & Meyrich. 50,447; Dec. 7.
Cowboy Peppermint Gum. For Peppermint Gum. W. G. Edwards. 50,429; Dec. 7.
Dove Brand. For Fresh Pork Sausage. E. Kahn's Sons Co. 50,432; Dec. 7.
Dove Brand. For Open Kettle Rendered Lard. E. Kahn's Sons Co. 50,430; Dec. 7.
Dove Brand. For Pure Refined Lard. E. Kahn's Sons Co. 50,431; Dec. 7.
Dove Brand. For Smoked Sausage. E. Kahn's Sons Co. 50,437; Dec. 7.
Dove Brand. For Sugar Cured Bacon. E. Kahn's Sons Co. 50,436; Dec. 7.
Dove Brand. For Sugar Cured Ham. E. Kahn's Sons Co. 50,435; Dec. 7.
Dove Brand. For Sugar Cured Meats. E. Kahn's Sons Co. 50,433; Dec. 7.
Dove Brand. For Sugar Cured Picnics. E. Kahn's Sons Co. 50,434; Dec. 7.
Kroger's Country Club Clock Bread. For Bread. Kroger Grocery & Baking Company. 50,438; Dec. 7.
Labkon's Kosher Soap Flakes. For Soap Flakes. D. W. Labkon. 50,439; Dec. 7.
Land O'Lakes. For Canned Peas. Oconomowoc Canning Company. 50,444; Dec. 7.
Mannings Coffee—Brown Bag Blend. For Coffee. Mannings, Inc. 50,441; Dec. 7.
Padre Sec. For California Champagne. Padre Vineyard Company. 50,445; Dec. 7.
Pride of Jordan Creamery Butter. For Butter. Menasha Products Company. 50,442; Dec. 7.
Rainbow Brand Oleomargarine. For Oleomargarine. Menasha Products Company. 50,443; Dec. 7.
The Junior. For Frocks. Liberty Frock Company. 50,440; Dec. 7.
Wilso. For a Skin Cleanser. J. L. Wilson. 50,448; Dec. 7.

LIST OF PRINTS

Price List on Some of My Stuff. For Candy and Nuts. Awful Fresh MacFarlane. 16,602; Dec. 7.
White Home Coal. For Coal. A. Bueker. 16,603; Dec. 7.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the **first significant** character or word of the name (in accordance with city and telephone directory practice).

Bachelis, Leonard H., Los Angeles, Calif., assignor to Olympia Knitting Mills, Inc., Olympia, Wash. Bathing suit removable while dressed. 20,567; Dec. 7.

Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Alternating current motor system. 20,568; Dec. 7.

Brown Instrument Company, The. (See Brown, Richard P., assignor.)

Brown, Richard P., assignor to The Brown Instrument Company, Philadelphia, Pa. Control method and apparatus. 20,569; Dec. 7.

Bushway, George H., Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass. Cooking machine. 20,570; Dec. 7.

Cook Laboratories, Inc. (See Heineman, Paul G., assignor.)

Electricooker, Inc. (See Bushway, George H., assignor.)

General Electric Company. (See Bedford, Burnice D., assignor.)

Heineman, Paul G., Albany, N. Y., assignor to Cook Laboratories, Inc., Chicago, Ill. Medicament package and process. 20,571; Dec. 7.

Litty, Elizabeth H. (See Litty, J. R., and Lundin, assignors.)

Litty, John R., and T. B. Lundin, deceased, by E. H. Litty, Philadelphia, Pa. Cake icing machine. 20,572; Dec. 7.

L'Orange, Rudolf, Stuttgart-Feuerbach, Germany, assignor of one-half to F. R. Simms, London, England. Liquid fuel injection pump. 20,573; Dec. 7.

Lundin, Trued B. (See Litty, J. R., and Lundin.)

Martin, John N., Tulsa, Okla. Pump plunger. 20,574; Dec. 7.

Older, Clifford, Wilmette, Ill. Expansion joint for pavements and the like. 20,575; Dec. 7.

Olympia Knitting Mills, Inc. (See Bachelis, Leonard H., assignor.)

Simms, Frederick R. (See L'Orange, Rudolf, assignor.)

Sloan, William E., River Forest, Ill. Flush valve. 20,576; Dec. 7.

Waksmundzka, Maria G., Washington, D. C. Girdle. 20,577; Dec. 7.

LIST OF DESIGN PATENTEES

Alcouloumre, Vitalis, New York, N. Y. Apron. 107,346; Dec. 7.

Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Electric range. 107,331; Dec. 7.

Ayer, Harriet Hubbard, Inc. (See Lux, Eugene J., assignor.)

Babcock, Earl C., Painesville, Ohio. Bier. 107,307; Dec. 7.

Bardstown Distillery, Inc. (See Henshel, Harry D., assignor.)

Barnhart, Abner C., New York, N. Y. Dress. 107,347; Dec. 7.

Battery Patents Corporation. (See Lewis, George S., assignor.)

Belmont Radio Corporation. (See Marholz, Richard C., assignor.)

Benjamin, Benjamin, New York, N. Y. Shoe. 107,308; Dec. 7.

Berger, Marie R., New York, N. Y. Dress. 107,381; Dec. 7.

Berger, Marie R., New York, N. Y. Dress. 107,382; Dec. 7.

Berlinger, Joseph F., New York, N. Y. Textile fabric. 107,369; Dec. 7.

Bly, Charley M., Cortez, Fla. Pipe spark arrester. 107,370; Dec. 7.

Brackman, August, New York, N. Y. Metallic filigree band. 107,309; Dec. 7.

Brandeis, Sidney, assignor to Continental Glass Corporation, Chicago, Ill. Flask. 107,371; Dec. 7.

Broadwin, Harry, Brooklyn, N. Y. Cover plate for air exhausting device. 107,399; Dec. 7.

Brooks, John W. H., Philadelphia, Pa. Textile fabric. 107,348; Dec. 7.

Cahalane, Daniel C., Hillsdale, N. J., assignor to The Hoge Manufacturing Company, Inc. Toy alphabet picture register or similar article. 107,310; Dec. 7.

Cedar Rapids Engineering Company. (See Dunn, Allen I., assignor.)

Central Ohio Steel Products Co. (See Schneiker, Norman J., assignor.)

Cicardo, Sally, New York, N. Y. Dress. 107,380; Dec. 7.

Cicardo, Sally, New York, N. Y. Dress. 107,383; Dec. 7.

Clark, James R., Rochester, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Desk. 107,349; Dec. 7.

Climax Radio & Television Co. (See Tulauskas, Leonard, assignor.)

Colt's Patent Fire Arms Manufacturing Company. (See Conner, Benjamin F., assignor.)

Condon, Edward T., New York, N. Y. Directional signal lamp. 107,350; Dec. 7.

Conner, Benjamin F., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Eyecup. 107,332; Dec. 7.

Continental Glass Corporation. (See Brandeis, Sidney, assignor.)

Cotes, Mervin F., and W. C. Schneider, assignors to Motor Wheel Corporation, Lansing, Mich. Door for a heater cabinet or the like. 107,384; Dec. 7.

Crane Co. (See Zinkil, Roy H., assignor.)

Cushman, Charles, Company. (See Stoddard, Charles I., assignor.)

De Benque, Helen, New York, N. Y. Combined hanger and deodorant container. 107,385; Dec. 7.

De Murguiondo, Jose H., Washington, D. C. Refrigerating mold. 107,317; Dec. 7.

Dunn, Allen I., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa. Torque measuring wrench. 107,311; Dec. 7.

Electro Manufacturing Co. (See Nemeroff, Victor, assignor.)

Endowment Foundation. (See Holland, Ubert C., assignor.)

Engel, Alice, New York, N. Y. Dress. 107,386; Dec. 7.

Fischer, Albert C., Chicago, Ill. Strip shingle or the like. 107,312; Dec. 7.

Fischer, Jacob J., Newark, N. J. Jewelry setting or similar article. 107,313; Dec. 7.

Fisher, Fred H., Syracuse, assignor to Morris W. Haft & Brothers, Inc., New York, N. Y. Button. 107,351; Dec. 7.

Florian, Gordon W. (See Patten, R. E., and Florian.)

Fried, Benjamin, New York, N. Y. Dress. 107,387; Dec. 7.

General Electric Company. (See Patten, R. E., and Florian, assignors.)

Gierden, Josefine, Koln-Nippes, Germany. Combined lady's handbag and vanity. 107,333; Dec. 7.

Goldfarb, Samuel J., New York, N. Y. Dress. 107,352; Dec. 7.

Grand Rapids Bookcase & Chair Co. (See Potts, Charles S., assignor.)

Haft, Morris W., & Brothers, Inc. (See Fisher, Fred H., assignor.)

Hall, Mercedes, New York, N. Y. Dress. 107,388; Dec. 7.

Harding, George W., Baltimore, Md. Wardrobe. 107,314; Dec. 7.

Hart, Lawrence E., and H. E. Lewy, New York, N. Y. Lace for a jacket or similar article. 107,372; Dec. 7.

Hart, Lawrence E., and H. E. Lewy, New York, N. Y. Lace for a cape or similar article. 107,373; Dec. 7.

Hart, Lawrence E., and H. E. Lewy, New York, N. Y. Lace for a jacket or similar article. 107,374; Dec. 7.

Henshel, Harry D., New York, N. Y., assignor to Bardstown Distillery, Inc., Bardstown, Ky. Bottle. 107,353; Dec. 7.

Hoge Manufacturing Company, The. (See Cahalane, Daniel C., assignor.)

Holland, Ubert C., assignor to Endowment Foundation, New Brunswick, N. J. Drawing table. 107,354; Dec. 7.

Hollins, Abraham and J., Brooklyn, N. Y. Directional signal lamp for vehicles. 107,334; Dec. 7.

Hollins, Jesse. (See Hollins, Abraham and J.)

Hopkins, George J., assignor to McCray Refrigerator Company, Kendallville, Ind. Refrigerated vegetable display case. 107,315; Dec. 7.

Horney, Edward, New York, N. Y. Combination bottle and closure. 107,375; Dec. 7.

Horst, Edward H., Clinton, Iowa, assignor to Patent Novelty Company, Fulton, Ill. Humidifier. 107,335; Dec. 7.
Jacobson, Benjamin, New York, N. Y. Nose device or similar article. 107,389; Dec. 7.
Kern, John A., Chicago, Ill., assignor to The W. J. McCahan Sugar Refining & Molasses Co., Philadelphia, Pa. Display stand. 107,336; Dec. 7.
Koch, Henry P., Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J. Textile fabric for upholstery. 107,355; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,337; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,338; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,339; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,377; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,378; Dec. 7.
La Hodny, William, Buffalo, N. Y. Hand vanity mirror. 107,390; Dec. 7.
Lampel, Ida, New York, N. Y. Dress. 107,391; Dec. 7.
Landers, Frary & Clark. (See Anderson, Oscar M., assignor.)
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Levy, Joseph G., New York, N. Y. Woven textile fabric. 107,356; Dec. 7.
Lewin, Arthur, New York, N. Y. Wrapping paper. 107,357; Dec. 7.
Lewis, George S., Oak Park, assignor to Battery Patents Corporation, Chicago, Ill. Combined bicycle guard and lamp. 107,358; Dec. 7.
Lewy, Herbert E. (See Hart, L. E., and Lewy.)
Lux, Eugene J., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y. Toilet accessories container. 107,340; Dec. 7.
Malden Form Brassiere Company. (See Rosenthal, William, assignor.)
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for radio receivers. 107,341; Dec. 7.
Martin, Charles H., Springfield, Mass. Parking meter. 107,316; Dec. 7.
Martin, Charles H., Springfield, Mass. Parking meter. 107,359; Dec. 7.
McCahan, W. J., Sugar Refining & Molasses Co., The. (See Kern, John A., assignor.)
McCray Refrigerator Company. (See Hopkins, George J., assignor.)
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Bottle. 107,360; Dec. 7.
Michelson, Margaret, New York, N. Y. Dress. 107,376; Dec. 7.
Miller, Willard J., Detroit, Mich. Vehicle body. 107,342; Dec. 7.
Mitrani, Maurice, New York, N. Y. Apron. 107,361; Dec. 7.
Motor Wheel Corporation. (See Cotes, M. F., and Schneider, assignors.)
Musser, Clair O., Chicago, Ill. Marimba. 107,318; Dec. 7.
National Cash Register Company, The. (See Clark, James R., assignor.)
Nemeroff, Victor, assignor to Electro Manufacturing Co., Chicago, Ill. Lamp. 107,343; Dec. 7.
Nonnenbacher, Frank H., Brooklyn, N. Y. Decorative mirror. 107,319; Dec. 7.
Nonnenbacher, Frank H., Brooklyn, N. Y. Decorative mirror. 107,320; Dec. 7.
Northampton Textile Company. (See Koch, Henry P., assignor.)
Patent Novelty Company. (See Horst, Edward H., assignor.)
Patten, Raymond E., and G. W. Florian, Bridgeport, Conn., assignors to General Electric Company. Electrical connecting cap. 107,379; Dec. 7.
Pharis Tire & Rubber Company, The. (See Reel, Ralph M., assignor.)
Potts, Charles S., assignor to Grand Rapids Bookcase & Chair Co., Hastings, Mich. Telephone booth. 107,321; Dec. 7.
Reel, Ralph M., Granville, assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Tire. 107,322; Dec. 7.
Reid, Elmer A., Morrisville, Pa. Electrical humidifying device. 107,344; Dec. 7.
Rosenthal, William, assignor to Malden Form Brassiere Company, Inc., New York, N. Y. Brassière. 107,362; Dec. 7.
Ross, Walter, New York, N. Y. Textile fabric. 107,363; Dec. 7.
Ross, Walter, New York, N. Y. Textile fabric. 107,364; Dec. 7.
Santore, Carolyn M., New York, N. Y. Dress. 107,392; Dec. 7.
Sauer, Albert H., Jr., Cincinnati, Ohio. Wrist watch strap. 107,323; Dec. 7.
Schneider, Walter C. (See Cotes, M. F., and Schneider.)
Schneiker, Norman J., assignor to Central Ohio Steel Products Co., Galion, Ohio. Grave vault. 107,324; Dec. 7.
Snowden, John W., Philadelphia, Pa. Textile fabric. 107,365; Dec. 7.
Stoddard, Charles I., Quincy, assignor to Charles Cushman Company, Boston, Mass. Shoe. 107,325; Dec. 7.
Stone, Mollie, New York, N. Y. Dress. 107,393; Dec. 7.
Stone, Mollie, New York, N. Y. Dress. 107,394; Dec. 7.
Stone, Mollie, New York, N. Y. Dress. 107,395; Dec. 7.
Talamantes, Della P., Alhambra, Calif. Combined umbrella and support. 107,326; Dec. 7.
Thacher, Sheldon P., Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Pneumatic tire. 107,327; Dec. 7.
Tulauskas, Leonard, assignor to Climax Radio & Television Co., Chicago, Ill. Combined radio receiving set and bed lamp. 107,396; Dec. 7.
Turpan, Mark, West New York, N. J. Textile fabric. 107,366; Dec. 7.
Ulrich, Henry W., Elizabeth, N. J. Combined curtain rod and shade roller bracket. 107,328; Dec. 7.
United States Rubber Products, Inc. (See Thacher, Sheldon P., assignor.)
Weissinger, Herbert F., Detroit, Mich. Self-contained air conditioner cabinet. 107,397; Dec. 7.
Wicker, William M., Sr., Carlyle, Ill. Automobile direction signal. 107,345; Dec. 7.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 107,367; Dec. 7.
Worrell, Guy C., Westfield, Mass. Casing for metal-working machine. 107,398; Dec. 7.
Wurlitzer, Rudolph, Company, The. (See Zaiser, William, assignor.)
Zahn, Phillip, New York, N. Y. Dress. 107,368; Dec. 7.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill. Piano. 107,329; Dec. 7.
Zinkil, Roy H., Oak Park, assignor to Crane Co., Chicago, Ill. Bathtub. 107,330; Dec. 7.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackerman, Charles. (See Rosenstone, S. D., and Ackerman.)
Adlake Company, The. (See Hedin, U. C., and Larson assignors.)
"Afag" Finanzierungs A. G. (See Sindl, O., and Frank, assignors.)
Agfa Ansco Corporation. (See Huber, Karl, assignor.)
Air Reduction Company. (See Weil, André, assignor.)
Air-Way Electric Appliance Corporation. (See Dow, Dewey M., assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Sanding machine. 2,101,205; Dec. 7.
Alco Products Incorporated. (See Cooke, M. B., Schutt, and Throckmorton, assignors.)
Aldridge, Arthur A., Paxtang, assignor of one-fourth to W. A. Laird, Chambersburg, and one-half to W. T. Gardner, Pittsburgh, Pa. Washing machine. 2,101,634; Dec. 7.
Allis-Chalmers Manufacturing Company. (See Stein, Harold J., assignor.)
Allis-Chalmers Manufacturing Company. (See Winograd, Harold, assignor.)
Alston, Roland, Washington, D. C. Mechanical adjustable shirt. 2,101,380; Dec. 7.
Amacher, Edward, et al. (See Warren, Calvin C., assignor.)
Amco, Incorporated. (See Morton, William A., assignor.)
American Brass Company, The. (See Munson, Elmer L., assignor.)
American Can Company. (See Mercer, William J., assignor.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Car and Foundry Company. (See Field, Henry P., assignor.)
American Car and Foundry Company. (See Ostrander, A. E., Joy, and Kassler, assignors.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Hyalsol Corporation. (See Grün, Adolf, assignor.)
American Laundry Machinery Company, The. (See Daly, Joseph P., assignor.)
American Machine and Metals, Inc. (See Sonntag, Alfred.)
American Sales Book Company. (See Gochnauer, Walter E., assignor.)
American Soya Products Corporation. (See Bonotto, Michele, assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Bacon, Walter M., assignor.)
American Telephone and Telegraph Company et al. (See Osborne, H. S., assignor, and Wright.)
Ames, John K., Machias, assignor to Burrowes Corporation, Portland, Maine. Double window. 2,101,803; Dec. 7.
Amidon, Charles H., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,101,787; Dec. 7.
Amidon, Charles H. (See Cole, R. A., and Amidon.)
Anchor Steel and Conveyor Company. (See Waalkes, Gerrit, assignor.)
Andersen, Andrew C. (See Simpson, E. G., and Andersen.)
Anderson, Carl R., assignor to The Griswold Manufacturing Company, Erie, Pa. Rack for cooking utensils. 2,101,487; Dec. 7.
Anderson, Clair H. (See Anderson, R. O. and C. H.)
Anderson, Edward, Dayton, Ohio. Hydraulic mold. 2,101,015; Dec. 7.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Inc. Sectional fuel distributor. 2,101,463; Dec. 7.
Anderson, John P., Köppel, assignor, by mesne assignments, to Pressed Steel Car Company Inc., Pittsburgh, Pa. Car construction. 2,101,698; Dec. 7.
Anderson, Roland O., and C. H. Anderson, Des Moines, Iowa. Ice or snow scooter. 2,101,229; Dec. 7.
Anderson, Russell G. (See Blazek, J. Y., and Anderson.)
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Combined cabinet and business machine stand. 2,101,230; Dec. 7.
Andrews, Charles W., and C. E. Dougan, Chicago, Ill., assignors, by mesne assignments, to A. F. Giese, Jr., Gary, Ind. Mud gun. 2,101,306; Dec. 7.
Anibal, Benjamin H., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Gear shift lever mounting. 2,101,727; Dec. 7.
Appel, Abraham. (See Block, David J., assignor.)
Appleyard, Kenelm C., assignor of one-half to The Birtley Company Limited, Birtley, England. Apparatus for the separation of coal and the like. 2,101,381; Dec. 7.
Arcadia Hosiery Co. (See Weisbecker, Frank G., assignor.)
Arden, Thomas R., Baldwin, assignor to Nic Projector Corporation, New York, N. Y. Typewriter. 2,101,231; Dec. 7.
Arey, Ralph G., Swampscott, and H. T. Faus, Lynn, Mass., assignors to General Electric Company. Synchronous motor. 2,101,665; Dec. 7.
Armour and Company. (See Conquest, Victor, assignor.)
Armour and Company. (See Kistler, John C., assignor.)
Armour and Company. (See Ralston, Anderson W., assignor.)
Armour and Company. (See Ralston, A. W., and Christensen, assignors.)
Armstrong-Blum Mfg. Co. (See Davidson, Jack H., assignor.)
Armstrong, Victor C., Short Hills, N. J., assignor, by mesne assignments, to Poor & Company. Rail supporting and retaining means. 2,101,038; Dec. 7.
Arndt, Paul, Los Angeles, Calif. Adhesive applying device. 2,101,464; Dec. 7.
Aronson, Louis V., Newark, N. J., assignor to Art Metal Works, Inc. Flame producing mechanism. 2,101,125; Dec. 7.
Art Metal Works, Inc. (See Aronson, Louis V., assignor.)
Asbridge, Harry H., Ashton-on-Mersey, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Altrincham, England. Precision grinding machine. 2,101,383; Dec. 7.
Assalit, Louis, Marseilles, France. Flexible seat support. 2,101,422; Dec. 7.
Assel, Walter J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Cross-roll mill. 2,101,357; Dec. 7.
Atkinson, Guy, et al. (See Taylor, Wesley, assignor.)
Atlantic Refining Company, The. (See Reuter, R., and Gaus, assignors.)
Atwell, George J. (See Paul, Leon R., assignor.)
Auburn Automobile Company. (See Buehrig, Gordon M., assignor.)
Augustin, Johann G. F., assignor to Verpackungsbedarf G. m. b. H., Krefeld, Germany. Filling machine. 2,101,232; Dec. 7.
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Snow moving device. 2,101,666; Dec. 7.
Autogiro Company of America. (See Larsen, Agnew E., assignor.)
Ayres, John, Carshelton, assignor to Bryce Limited, Hackbridge, Surrey, England. Engine starter. 2,101,606; Dec. 7.
Babb, George H., Brooklyn, N. Y. Advertising cinematograph. 2,101,126; Dec. 7.
Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
Bachelier, Eugene. (See Cramer, W. G., and Bachelier.)
Bacon, Walter M., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 2,101,209; Dec. 7.
Baesecke, Martin, Berlin-Siemensstadt, and H. Mayer, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Alternating current signaling system. 2,101,699; Dec. 7.
Bahnson Company, The. (See Stimson, Samuel C., assignor.)
Bakelite Corporation. (See Bender, Howard L., assignor.)
Bakelite Corporation. (See Elbel, E., and Seebach, assignors.)
Baker, Arthur R., Indianapolis, Ind., assignor to Columbia Carburetor Company, Washington, D. C. Carburetor with choke control. 2,101,039; Dec. 7.
Baker, Claude M., et al. (See Wright, William, assignor.)
Baldwin, Phil. (See Sandul, Amil, assignor.)
Baldwin Rubber Company. (See Pryale, H. M., and Clark, assignors.)
Balle, Gerhard, and K. Eisfeld, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Quaternary ammonium compounds and preparing them. 2,101,524; Dec. 7.

Bally Manufacturing Co. (See Williams, B. W. and H. S., assignors.)
Bancroft, Charles, New Canaan, Conn. Variable transmission means. 2,101,233; Dec. 7.
Barclay, Wright, New York, N. Y. Combination latch. 2,101,210; Dec. 7.
Bartels, Hans, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Linear amplifier circuit. 2,101,525; Dec. 7.
Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,101,488; Dec. 7.
Baughn, Roscoe N., Conway, Ark. Compound master cylinder. 2,101,772; Dec. 7.
Bayley, Lee, Springfield, Ohio, and R. L. Clingerman, Washington, D. C., assignors to The William Bayley Company, Springfield, Ohio. Alarm system for detention windows. 2,101,040; Dec. 7.
Bayley, William, Company, The. (See Bayley, L., and Clingerman, assignors.)
Bayley, William, Company, The. (See Clingerman, Robert L., assignor.)
Beach, Howard D., Buffalo, N. Y. Lens. 2,101,016; Dec. 7.
Beal, Walter H., et al., trustees. (See Starkey, William C., assignor.)
Bebinger, Charles N., assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio. Conveyer section connection. 2,101,017; Dec. 7.
Bebinger, Charles N., assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio. Conveyer driving mechanism. 2,101,018; Dec. 7.
Becher, Theodor, Wiesbaden, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Sluice gate. 2,101,234; Dec. 7.
Beck, Stefan, Budapest, Hungary. Furnace. 2,101,423; Dec. 7.
Beers, Arthur D. (See Brunner, J., and Beers.)
Beers, Harry F., Pelham, N. Y. Storage cabinet. 2,101,465; Dec. 7.
Bell Telephone Laboratories, Incorporated. (See Bishop, J. B., and Knott, assignors.)
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickieson, Alton C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hague, Alfred E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jones, Theodore A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Korn, Franklin A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Scott, Herbert J., assignor.)
Bell Telephone Laboratories, Inc., et al. (See Osborne, H. S., and Wright, assignor.)
Bell, William L., assignor to G. H. Chick, Oakland, Calif. Orthopedic table. 2,101,466; Dec. 7.
Bellingham, Leonard, F. S. and G. F. Stanley, London, England. Prism combination for three color photography and cinematography. 2,101,728; Dec. 7.
Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Resin dehydration. 2,101,635; Dec. 7.
Benedek, Elek K., Mount Gilead, Ohio. Hydraulic pump or motor. 2,101,729; Dec. 7.
Benedek, Elek K., Bucyrus, Ohio. High pressure hydraulic pump or motor. 2,101,730; Dec. 7.
Benedek, Elek K., Bucyrus, Ohio. Hydraulic machine. 2,101,731; Dec. 7.
Benedek, Elek K., Bucyrus, Ohio. Hydraulic machine. 2,101,732; Dec. 7.
Benedek, Elek K., Bucyrus, Ohio. Hydraulic motor. 2,101,829; Dec. 7.
Bennett, Melvin C., assignor of one-half to T. F. Smithwick, Middletown, Conn. Combined filter and primer for oil burners. 2,101,424; Dec. 7.
Benson, Arthur C., et al. (See Benson, Lew, assignor.)
Benson, Bert O., et al. (See Benson, Lew, assignor.)
Benson, Charl., et al. (See Benson, Lew, assignor.)
Benson, John, et al. (See Benson, Lew, assignor.)
Benson, Lesley D., et al. (See Benson, Lew, assignor.)
Benson, Lew, San Francisco, assignor of one-half to A. C. Benson, Glendale, Calif.; one-sixteenth to L. D. Benson, Tillimook, Oreg.; one-sixteenth to J. Benson, Phillipsburg, Kans.; one-sixteenth to B. O. Benson, one-sixteenth to C. Benson, and one-sixteenth to W. Benson, Vennes, Calif.; and one-sixteenth to K. Mudge, East St. Louis, Ill. Trap. 2,101,788; Dec. 7.
Benson, William, et al. (See Benson, Lew, assignor.)
Bentley Engineering Company Limited, The. (See Deans, F. E., Manger, and Buswell, assignors.)
Berggren, John L. (See Warnick, P., and Scott, assignors.)
Berman, Henry J., River Forest, assignor to Edison General Electric Appliance Comany, Chicago, Ill. Exhaust device. 2,101,667; Dec. 7.
Bethlehem Steel Company. (See Gillispie, Raymond L., assignor.)
Beth-Mary-Steel Corporation. (See Gerhardt, Reginald B., assignor.)
Bidwell, Paul W., Holyoke, Mass. Bookbinding. 2,101,804; Dec. 7.
Binks Manufacturing Company. (See Bramsen, S., and Wahlin, assignors.)
Binks Manufacturing Company. (See Gustafsson, Eric, assignor.)
Birtley Company Limited, The. (See Appleyard, Kenelm C., assignor.)
Bishop, John B., Bloomfield, and W. M. Knott, Fairlawn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio communication system. 2,101,668; Dec. 7.
Bisonit G. m. b. H. (See Gullich, Kurt, assignor.)
Bissell Carpet Sweeper Company. (See Dillard, Herbert C., assignor.)
Bjorklund, John R., assignor to Northwestern Terra Cotta Corp., Chicago, Ill. Treating liquid containing compressible bodies of material. 2,101,528; Dec. 7.
Black, Harry L., Toronto, Ontario, Canada. Apparatus for indicating an operative condition of vehicle lights. 2,101,489; Dec. 7.
Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,101,041; Dec. 7.
Blazek, John L., Maple Heights, and R. G. Anderson, Cleveland, assignors to Lempco Products, Inc., Bedford, Ohio. Surface forming machine. 2,101,569; Dec. 7.
Blettner, George H., assignor to Renette Company, Chicago, Ill. Apparatus for making pistons. 2,101,043; Dec. 7.
Blettner, George H., assignor to Renette Company, Chicago, Ill. Making pistons. 2,101,044; Dec. 7.
Blettner, George H., assignor to Renette Company, Chicago, Ill. Internal combustion engine. 2,101,045; Dec. 7.
Blettner, George H., assignor to Renette Company, Chicago, Ill. Casting pistons. 2,101,046; Dec. 7.
Block, David J., Winnetka, assignor to A. Appel, Chicago, Ill. Patching material. 2,101,607; Dec. 7.
Blomberg, Martin P. (See Mussey, W. H., and Blomberg.)
Blount, Golden, et al. (See Cheek, Lightle J., assignor.)
Boardman, Charles S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Making load sustaining structures. 2,101,358; Dec. 7.
Boddinghouse, Emmons R., assignor to Gas Tool Patents Corporation, Chicago, Ill. Internal combustion hammer. 2,101,608; Dec. 7.
Bodette, Edward T., Wisconsin Rapids, assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis. Paper dispenser. 2,101,307; Dec. 7.
Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. (See Götte, E., and Kling, assignors.)
Bolen, Emerson A., Morris, assignor, by mesne assignments, to F. L. Borchert, Rockford, Ill. Confection making machine. 2,101,570; Dec. 7.
Bonner, Daniel B., Philadelphia, Pa. Carpeting. 2,101,359; Dec. 7.
Bonotto, Michele, assignor to American Soya Products Corporation, Evansville, Ind. Treating leguminous materials. 2,101,805; Dec. 7.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,101,360; Dec. 7.
Borchert, Fred L. (See Bolen, Emerson A., assignor.)
Borg-Warner Corporation. (See Fawick, Thomas L., assignor.)
Borg-Warner Corporation. (See Nutt, H., and Reed, assignors.)
Borg-Warner Corporation. (See Reed, Harold V., assignor.)
Borg-Warner Corporation. (See Swennes, Benjamin A., assignor.)
Borvisk Syndicate Ltd. (See Borzykowski, Benno, assignor.)
Borzykowski, Benno, Paris, France, assignor to Borvisk Syndicate Ltd., London, England. Direct production of artificial silk in wound form suitable for the textile industry. 2,101,361; Dec. 7.
Boulton Paul Aircraft Limited. (See Townend, Hubert C. H., assignor.)
Bowen, Thomas B., Huntington, W. Va. Windshield wiper. 2,101,773; Dec. 7.
Bowers, Cecelia E. (See Schaeffer, Edward G., assignor.)
Bowes, David M., Bath, N. Y. Molding form for structural material. 2,101,019; Dec. 7.
Bowser, S. F., & Company. (See Carroll, William M., assignor.)
Bramsen, Svend, and F. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Spray gun with pneumatic needle valve control. 2,101,164; Dec. 7.
Brasfield, Evan W., Sheffield, Ala. Reversible reduction gear. 2,101,774; Dec. 7.
Bray, Ulric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oils. 2,101,308; Dec. 7.
Breedlove, Harry B., Memphis, Tenn. Radio transmission and reception. 2,101,529; Dec. 7.
Breisch, Edgar W., Lancaster, N. Y. Battery charging and testing apparatus. 2,101,571; Dec. 7.
Breitling, Ernst, Berlin-Tempelhof, and H. Schwenk, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio. Cash register, accounting, and the like machine. 2,101,636; Dec. 7.
Brenkert Light Projection Company. (See Brenkert, Wayne D., assignor.)

Brenkert, Wayne D., assignor to Brenkert Light Projection Company, Detroit, Mich. Ventilating system for arc lamps. 2,101,638; Dec. 7.
Brenzinger, Julius, Fairfield, Conn. Sheet-material container and making same. 2,101,530; Dec. 7.
Brisson, Louis C., Neuilly-sur-Seine, assignor to Société Anonyme Société des Freins Hydrauliques S. de Lavaud, Paris, France. Braking device for rotating machine parts. 2,101,425; Dec. 7.
Britton, Karl B., Cleveland, Ohio. Filter. 2,101,211; Dec. 7.
Broadmeyer, Albert, assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa. Sheet piling mechanism. 2,101,328; Dec. 7.
Broatch, John, Vancouver, British Columbia, Canada. Mineral separator. 2,101,572; Dec. 7.
Brüche, Ernst, and W. Henneberg, Berlin-Reinickendorf-Ost, Germany, assignors to General Electric Company. Device for the deflection of electron beams. 2,101,669; Dec. 7.
Bruins, Paul F., Jamaica, N. Y. Magazine and filter cigarette holder. 2,101,127; Dec. 7.
Brunner, Cora M., executrix. (See Brunner, J., and Beers.)
Brunner, John, Chicago, Ill., by C. M. Brunner, executrix, and A. D. Beers, Gary, Ind. Treating rails. 2,101,047; Dec. 7.
Brunnhuber, Joseph, and J. Schmid, Altoona, Pa. Window strip. 2,101,733; Dec. 7.
Bryant, Willard G., Miami, Fla. Receptacle holder. 2,101,526; Dec. 7.
Bryce Limited. (See Ayres, John, assignor.)
Buckeye Aluminum Company, The. (See Porter, Kirk E., assignor.)
Buckwalter, Tracy V. (See Scribner, W. L., and Buckwalter.)
Bucyrus-Erie Company. (See Parker, Paul R., assignor.)
Budd, Edward G., Manufacturing Company. (See Tarbox, John P., assignor.)
Buehrig, Gordon M., assignor to Auburn Automobile Company, Auburn, Ind. Clock. 2,101,235; Dec. 7.
Bullard, William P., and O. L. Williams, assignors to National Pecan Growers Exchange, Albany, Ga. Branding machine. 2,101,775; Dec. 7.
Bullock, Fred J., deceased, Shortsville, by V. V. Bullock, administratrix, Rochester, and W. H. Preston, assignors to Papec Machine Company, Shortsville, N. Y. Mixing machine. 2,101,490; Dec. 7.
Bullock, Violet V., administratrix. (See Bullock, F. J., deceased, and Preston.)
Burgess, Charles O., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Producing low carbon high chromium cast iron. 2,101,426; Dec. 7.
Burns, Laurence, Revere, assignor to Hygrade Sylvania Corporation, Salem, Mass. Control of electric arc lamps. 2,101,789; Dec. 7.
Burns, Wilford E., Burlingame, Calif., assignor to M. J. B. Co. Can end curling ring. 2,101,309; Dec. 7.
Burrowes Corporation. (See Ames, John K., assignor.)
Burt, F. N., Company. (See Dreux, A. H., and Royal, assignors.)
Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Cartridge-ejecting mechanism for firearms. 2,101,236; Dec. 7.
Business Corners, Inc. of Delaware. (See Toulmin, Harry A., Jr., assignor.)
Buswell, George A. (See Deans, F. E., Manger, and Buswell.)
Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 2,101,527; Dec. 7.
Byk, Maurice, and J. de Mare, Paris, France, assignors to General Electric Company. Radio frequency amplifier. 2,101,670; Dec. 7.
C-S Engineering Company. (See Schellens, Christopher A., assignor.)
Cabell, Charles A., Washington, D. C., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Composite article. 2,101,128; Dec. 7.
California Machinery & Supply Co. (See Winfield, Edward A., assignor.)
Callaghan, Thomas F., Toronto, Ontario, Canada. Applicator for tinting hair. 2,101,310; Dec. 7.
Cameron, Allan M., Oak Park, assignor to Cameron Can Machinery Co., Chicago, Ill. Can tester. 2,101,129; Dec. 7.
Cameron Can Machinery Co. (See Cameron, Allan M., assignor.)
Campbell, Wyant & Cannon Foundry Company. (See Grotewohl, Laurence A., assignor.)
Canadian Locomotive Company. (See Casey, William, assignor.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,101,237; Dec. 7.
Carraway Engineering Company. (See Carraway, Thomas W., assignor.)
Carraway, Thomas W., assignor to Carraway Engineering Company, Inc., Dallas, Tex. Air conditioning unit. 2,101,467; Dec. 7.
Carroll, William M., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Liquid dispensing apparatus. 2,101,806; Dec. 7.
Carter Carburetor Corporation. (See Ericson, George R., assignor.)
Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Gathering or pick-up conveyer. 2,101,238; Dec. 7.
Casco Products Corporation. (See Johnson, Arthur A., assignor.)
Casey, William, assignor to Canadian Locomotive Company, Limited, Kingston, Ontario, Canada. Method of and apparatus for treating materials. 2,101,042; Dec. 7.
Castings Patent Corporation. (See Hagemeyer, Henry F., assignor.)
Caudle, Arthur A., assignor to J. P., C. L., and J. P., Jr. Grey, a co-partnership doing business as Grey Hosiery Mills, Hendersonville, N. C. Circular knitting machine. 2,101,639; Dec. 7.
Celanese Corporation of America. (See Hale, F. C., and Yeadon, assignors.)
Celanese Corporation of America. (See Hale, F. C., and Yorke, assignors.)
Celanese Corporation of America. (See Piper, William G., assignor.)
Celanese Corporation of America. (See Pool, William, assignor.)
Chamberlain, Paul R. (See Tyler, W. E., Douglas, Chamberlain, and Loveland.)
Chapple, Jean S., assignor of one-half to B. V. Chotzner, Hove, England. Net cap for personal wear. 2,101,734; Dec. 7.
Chase Companies, The. (See Reichenbach, Howard F., assignor.)
Cheek, H. M., et al. (See Cheek, Lightle J., assignor.)
Cheek, Lightle J., Little Rock, assignor of one-third to H. M. Cheek, North Little Rock, and one-third to G. Blount, Searcy, Ark. Trap. 2,101,609; Dec. 7.
Chemical Works formerly Sandoz. (See Peter, Albin, assignor.)
Chesnut, Guy E., Jr., St. Joseph, Mo. Crusher for used safety razor blades. 2,101,700; Dec. 7.
Chessman, Samuel C. (See Hunt, N. C., and Chessman.)
Chicago Cardboard Company. (See Ziemmerman, Henry, assignor.)
Chicago Pneumatic Tool Company. (See Lear, Earl B., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chick, Gilbert H. (See Bell, William L., assignor.)
Chilcott, Langdon S., Brewer, Maine. Fishhook. 2,101,491; Dec. 7.
Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Supercharger drive. 2,101,239; Dec. 7.
Chittenden & Eastman Company. (See Eaton, Robert E., assignor.)
Chonette, William C., Ojai, and R. H. Hamilton, Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Method and apparatus for cementing wells. 2,101,640; Dec. 7.
Chotzner, Beatrice V. (See Chapple, Jean S., assignor.)
Christensen, Carl W. (See Ralston, A. W., and Christensen.)
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,101,130; Dec. 7.
Churchill Machine Tool Company Limited, The. (See Asbridge, Harry H., assignor.)
Cincinnati Grinders Incorporated. (See Ernst, H., Herfurth, and Nenninger, assignors.)
Cincinnati Milling Machine Co. (See Isler, Herman R., assignor.)
Clark, Samuel C. (See Pryale, H. M., and Clark.)
Clearing Machine Corporation. (See Johansen, Einar K., assignor.)
Clemson, Earle P., Baltimore, Md. Toilet paper holder. 2,101,531; Dec. 7.
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Clingerman, Robert L. (See Bayley, L., and Clingerman.)
Clingerman, Robert L., Washington, D. C., assignor to The William Bayley Company, Springfield, Ohio. Protective signaling device. 2,101,049; Dec. 7.
Cloud, William S., Wilmette, Ill. Method and apparatus for coating confections. 2,101,240; Dec. 7.
Cluett, Peabody & Co. (See Madsen, Louis P., assignor.)
Cogswell, Charles W., Elizabeth, N. J. Utility holder. 2,101,492; Dec. 7.
Cohen, Leonard, New York, N. Y. Sleeping garment. 2,101,701; Dec. 7.
Cohn, Benno, assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y. Making center spot crowns. 2,101,131; Dec. 7.
Cole, Edward S. (See Cole, Edward S. and E. S., and Hooper.)
Cole, Edward S., and E. S., Montclair, N. J., and L. J. Hooper, Holden, Mass., assignors to Pitometer Log Corporation. Pitot tube. 2,101,165; Dec. 7.
Cole, Joseph, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oils. 2,101,241; Dec. 7.
Cole, Raymond A., and C. H. Amidon, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,101,790; Dec. 7.
Coleman, William F., Richmond, Calif. Cream dispenser. 2,101,020; Dec. 7.

Collegiate Manufacturing Co. (See Smutny, Theodore J., assignor.)
Collette, Elmer E., et al. (See Fischer, Oliver C., assignor.)
Columbia Carburetor Company. (See Baker, Arthur R., assignor.)
Commonwealth Trust Company, trustee. (See Sharp, Henry J., assignor.)
Compagnie Generale de Telegraphie Sans Fil. (See Rocard, Yves, assignor.)
Congreve, Willard. (See Wolff, G. F., and Congreve.)
Conquest, Victor, assignor to Armour and Company, Chicago, Ill. Textile lubrication. 2,101,532; Dec. 7.
Conradi, Leo C., and A. M. Fairbrother, Binghamton, assignors to International Business Machines Corp., New York, N. Y. Tabulating card. 2,101,427; Dec. 7.
Consolidated Packaging Machinery Corporation. (See Cundall, R. N., and Gantzer, assignors.)
Continental Gin Company. (See Morgan, George C., assignor.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Cooke, Maurice B., Plainfield, N. J., H. C. Schutt, North Tarrytown, and J. W. Throckmorton, N. Y., assignors to Alco Products Incorporated, New York, N. Y. Producing coke. 2,101,641; Dec. 7.
Cooper, La Mar S., Erie, Pa., assignor to General Electric Company. Magnetic clutch. 2,101,671; Dec. 7.
Cooperative Engineering Co. (See Zelov, Victor L., assignor.)
Coppin, Camille, Brussels, Belgium. Boiled egg opener. 2,101,212; Dec. 7.
Corey, John W., assignor to The Dow Chemical Company, Midland, Mich. Fertilizer. 2,101,807; Dec. 7.
Cornell Securities Corporation. (See Lockhart, William, assignor.)
Coubray, Edwin, Auckland, New Zealand. Means for use in automatically weighing predetermined quantities of discrete materials. 2,101,354; Dec. 7.
Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. 2,101,166; Dec. 7.
Crain, Arthur W., Providence, R. I. Collar clasp. 2,101,493; Dec. 7.
Cramer, Walter G., and E. Bacheller, Cincinnati, Ohio. Collapsible and separable table. 2,101,573; Dec. 7.
Crane Co. (See Kacena, J., and Kelly, assignors.)
Crawford, John W. C., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Manufacture of unsaturated organic compounds. 2,101,821; Dec. 7.
Crawford, John W. C., Norton-on-Tees, England, assignor England, assignors to Imperial Chemical Industries Limited. Manufacture of unsaturated organic amides. 2,101,822; Dec. 7.
Crewdson, Sarah M., assignor of nineteen thirtieths to R. H. Goodhart and three-thirtieths to H. M. Soloway, Chicago, Ill. Clutch. 2,101,242; Dec. 7.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation receiver. 2,101,703; Dec. 7.
Crosby Steam Gage and Valve Company. (See Klafstad, Erling, assignor.)
Crosley, Lewis M., assignor to The Crosley Radio Corporation, Cincinnati, Ohio. Cabinet for mechanical refrigerators and appurtenances thereof. 2,101,702; Dec. 7.
Crosley Radio Corporation, The. (See Crosley, Lewis M., assignor.)
Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal repeating system. 2,101,243; Dec. 7.
Cundall, Robert N., Lackawanna, and H. E. Gantzer, Kenmore, assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Foil capping machine. 2,101,533; Dec. 7.
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatic air conditioning system. 2,101,808; Dec. 7.
Cunward, Inc. (See Cuny, Ernest A., assignor.)
Cuny, Ernest A., New York, assignor to Cunward, Inc., Brooklyn, N. Y. Rotary fluid displacement device. 2,101,051; Dec. 7.
Cuny, Ernest A., New York, assignor to Cunward, Inc., Brooklyn, N. Y. Rotary fluid displacement device. 2,101,428; Dec. 7.
Curtis, Charles, Chicago, Ill., assignor of twenty-five per cent to F. A. Luthy and twenty-five per cent to D. R. Luthy, Jackson, Mich. Piston ring. 2,101,244; Dec. 7.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Rock drill mounting. 2,101,672; Dec. 7.
Daimler-Benz A. G. (See Nallinger, Fritz, assignor.)
Dale, Arthur L., Tacoma, Wash. Oil dispenser. 2,101,468; Dec. 7.
Dale, Grover C. (See Mallory, Louis V., assignor.)
Dällenbach, Walter, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Electric discharge tube. 2,101,610; Dec. 7.
Daly, Joseph P., New York, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine and control mechanism. 2,101,021; Dec. 7.
Daly, Lewis, and M. Johannsen, New York, N. Y. Device for applying mascara and similar material. 2,101,132; Dec. 7.
Dangelmajer, Charles, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hardening of proteins. 2,101,574; Dec. 7.
Dangelmajer, Charles, Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticidal composition. 2,101,704; Dec. 7.
Davidson, Jack H., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill. Hacksaw. 2,101,362; Dec. 7.
Davies, Gomer L. (See Mashbir, S. F., Kear, Davies, and Orton.)
Davis, Arthur B., Springfield, Ohio. Printing plate and mounting the same. 2,101,052; Dec. 7.
Davis & Furber Machine Company. (See Knight, Henry H., assignor.)
Davis, George H., Washington, D. C. Multiple action thermostat. 2,101,637; Dec. 7.
Deans, Frederick E., C. F. Manger, and G. A. Buswell, assignors to The Bentley Engineering Company Limited, Leicester, England. Circular knitting machine. 2,101,494; Dec. 7.
De Baufre, William L., Lincoln, Nebr. Making and arrangement of interchangers for heat exchange between fluids at low temperatures. 2,101,157; Dec. 7.
De Felice, Quido, Devon, Conn. Electrical switch. 2,101,429; Dec. 7.
De Franco, Anthony, Euclid, Ohio. Stepladder attachment. 2,101,245; Dec. 7.
De Laney, William W., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Foundry core and dry binder for the preparation thereof. 2,101,330; Dec. 7.
Delaware Rayon Company. (See Ryan, Leon H., assignor.)
Dell, James A. (See Watkins, E. G., and Dell.)
Della Santina, Frank. (See Della Santina, Peter V., and F., and Nelson.
Della Santina, Peter V., A. Nelson, and F. Della Santina, San Francisco, Calif. Fire escape. 2,101,053; Dec. 7.
De Mare, Jehan. (See Byk, M., and de Mare.)
De Neumann, Michael, Budapest, Hungary, assignor to General Electric Company. Sealing-off apparatus. 2,101,673; Dec. 7.
De Rome, Lester L., Chicago, Ill. Sanitary tooth cleanser. 2,101,363; Dec. 7.
Deutsch, Walther, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Electrical precipitation apparatus. 2,101,168; Dec. 7.
Dewey Portland Cement Company. (See Tyler, W. E., Douglas, Chamberlain, and Loveland, assignors.)
Diamond Match Company, The. (See Traute, Henry C., assignor.)
Dichter, Jakob, Berlin, Germany. Machine for producing glass vessels from tubing. 2,101,213; Dec. 7.
Dickieson, Alton C., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control in signaling systems. 2,101,246; Dec. 7.
Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car end construction. 2,101,169; Dec. 7.
Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
Dilliard, Herbert C., East Bangor, Pa., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweeper case and dust pan construction. 2,101,133; Dec. 7.
Dittmar, Harry R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing cyanhydrins. 2,101,823; Dec. 7.
Dome, Robert B., Schenectady, N. Y., assignor to General Electric Company. Antenna. 2,101,674; Dec. 7.
Donovan, John F., and G. Illingworth, East Cleveland, Ohio, assignors to General Electric Company. Safety device for coiling machines. 2,101,382; Dec. 7.
Dopyera, Rudolph, Los Angeles, Calif. Neck construction for a stringed musical instrument. 2,101,364; Dec. 7.
Dorr Company, The. (See Fischer, Anthony J., assignor.)
Dorr Company, The. (See Lund, Nels B., assignor.)
Dougan, Charles E. (See Andrews, C. W., and Dougan.)
Douglas, James K. (See Ferris, W., Douglas, and Fobian.)
Douglas, Thomas B. (See Tyler, W. E., Douglas, Chamberlain, and Loveland.)
Dow Chemical Company, The. (See Corey, John W., assignor.)
Dow Chemical Company, The. (See Wass, H. W., and Rupright, assignors.)
Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,101,575; Dec. 7.
Dowty, George H., Cheltenham, England. Locking means for retractable aircraft landing gear. 2,101,611; Dec. 7.
Dreux, Alexander H., Orchard Park, and J. N. Royal, assignors, by mesne assignments, to F. N. Burt Company, Inc., Buffalo, N. Y. Powder box. 2,101,809; Dec. 7.

Dubois, Raymond. (See Laboureur, L. A. M. J., and Dubois.)
Du Bois, Warren C., et al. (See Taylor, Wesley, assignor.)
Duffy, Charles G., Brooklyn, N. Y., assignor to Sealed Joint Products Co., Inc. Panel mounting. 2,101,612; Dec. 7.
Duncan, Charles R., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Flanged tubular article and making same. 2,101,311; Dec. 7.
Duncan, Justin R. (See Tolson, W. A., and Duncan.)
Du Pont, E. I., de Nemours & Company. (See Dangelmajer, Charles, assignor.)
Du Pont, E. I., de Nemours & Company. (See Dittmar, Harry R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Edgar, Donald E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Gordon, Wallace E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, G. D., and Harmon, assignors.)
Du Pont, E. I. de Nemours & Company. (See Hill, J. W., and Spanagel, assignors.)
Du Pont, E. I., de Nemours & Company. (See Levine, A. A., and McAllister, assignors.)
Du Pont, E. I., de Nemours & Company. (See Maxwell, Robert W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Salzberg, Paul L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Strain, Daniel E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
Durex Products, Inc. (See Hay, Rene M., assignor.)
Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)
Dutchland Farms, Inc. (See Field, Fred F., Jr., assignor.)
Dymaxion Corporation, The. (See Fuller, Buckminster, assignor.)
Eagle Knitting Mills, Inc. (See Karger, David, assignor.)
Eames, George M., Bridgeport, and R. W. Stewart, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating means for sewing machine loop-takers. 2,101,329; Dec. 7.
Earp, Charles W., Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier coupling circuits. 2,101,247; Dec. 7.
Eaton, Charles F., West Newbury, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, and one-half to Parshad Holding Corporation, Syracuse, N. Y. Marking machine. 2,101,705; Dec. 7.
Eaton, Robert E., assignor to Chittenden & Eastman Company, Burlington, Iowa. Open bottom, floating top spring cushion chair or the like. 2,101,054; Dec. 7.
Economy Fuse & Manufacturing Company. (See Cabell, Charles A., assignor.)
Edgar, Donald E., Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea-formaldehyde condensation products. 2,101,534; Dec. 7.
Edison General Electric Appliance Company. (See Berman, Henry J., assignor.)
Eggert, Johann. (See Günther, M., and Eggert.)
Elnson-Freeman Co. (See Leigh, Nathan J., assignor.)
Elsfeld, Kurt. (See Balle, G., and Elsfeld.)
Ekman, Olof I. H., Stockholm, Sweden. Air horn. 2,101,385; Dec. 7.
Elbel, Ernst, and F. Seebach, Erkner, near Berlin, Germany, assignors to Bakelite Corporation, New York, N. Y. Molding composition. 2,101,642; Dec. 7.
Electric Household Utilities Corporation. (See Jensen, J. W., and Shute, assignors.)
Electric Storage Battery Company, The. (See Woodbridge, Joseph L., assignor.)
Electric Trading Corporation. (See Goldbert, M. L., and Watts, assignors.)
Ellinwood, Herman R., Los Angeles, Calif. Film moving mechanism. 2,101,469; Dec. 7.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Altered tung oil and making same. 2,101,791; Dec. 7.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Alkyd resin coating and composition of improved alkali resistance and making same. 2,101,792; Dec. 7.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Engdahl, Seth M. F., Stockholm, Sweden. Reversible propeller. 2,101,535; Dec. 7.
Engel, William H., assignor to Shellmar Products Company, Mount Vernon, Ohio. Sheeter. 2,101,170; Dec. 7.
Engelke, Ernest F., Camden, assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Fractionation of petroleum oils. 2,101,643; Dec. 7.
Engelmann, Rudolf, Berlin, Germany. High speed seagoing ship. 2,101,613; Dec. 7.
Engler, Julius, and E. Studt, assignors to Norddeutsche Seekabelwerke A. G., Nordenham, Germany. Submarine signaling cable. 2,101,386; Dec. 7.
Ensslin, Alfred. (See Wagner, H., Zabel, and Ensslin.)
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Erickson, Tony T., South Hibbing, Minn. Drafting instrument. 2,101,365; Dec. 7.
Ericson, George R., assignor to Carter Carburetor Corporation, St. Louis, Mo. Fuel feed means. 2,101,536; Dec. 7.
Ernst, Charles K., Buffalo, N. Y. Safe. 2,101,470; Dec. 7.
Ernst, Hans, C. Herfurth, and L. F. Nenninger, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,101,644; Dec. 7.
Everett, Terry, Watertown, N. Y., assignor to The New York Air Brake Company. Wasp excluder for air brakes. 2,101,214; Dec. 7.
Every, Elmer D., Rochelle Park, N. J. Well screen. 2,101,537; Dec. 7.
Ewing, Wylie B., Wheeling, W. Va., assignor, by mesne assignments, to Vulcan Rail and Construction Company, Maspeth, N. Y. Railing and manufacture thereof. 2,101,707; Dec. 7.
Excelsior Hardware Company, The. (See Komenak, Albert J., assignor.)
Extrom, John A., Tomahawk, Wis., and H. Martin, Chicago, Ill.; said Extrom assignor to Tomahawk Kraft Paper Company, Tomahawk, Wis., and said Martin assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Bleaching of pulp. 2,101,706; Dec. 7.
Faber, Herbert A., Cincinnati, Ohio. Floor construction. 2,101,538; Dec. 7.
Facer, Charles A., Bridgeport, Ohio. Smoking pipe. 2,101,387; Dec. 7.
Fagergren, William, Salt Lake City, Utah. Aerating machine. 2,101,331; Dec. 7.
Fairbrother, Almon M. (See Conradi, L. C., and Fairbrother.)
Fairmount Glass Works, Incorporated. (See Ferguson, John, assignor.)
Falk Corporation, The. (See Schmitter, Walter P., assignor.)
Farnsworth Television Incorporated. (See Varian, Russell H., assignor.)
Faus, Harold T. (See Arey, R. G., and Faus.)
Fawick, Thomas L., Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,101,134; Dec. 7.
Febod Corporation. (See Frank, Nathan, assignor.)
Fein-Maschinenbaugesellschaft m. b. H. (See Schumacher, Heinrich, assignor.)
Feldman, Arnold H., Chicago, Ill. Mold-flask separator. 2,101,776; Dec. 7.
Fenton, Benn F., Kansas City, Mo. Adjustable ladder leg. 2,101,576; Dec. 7.
Ferguson, John, assignor to Fairmount Glass Works, Incorporated, Indianapolis, Ind. Electric furnace. 2,101,675; Dec. 7.
Fernelius, Willis C. (See Fulton, R. A., and Fernelius.)
Fer-O-Con Corporation. (See Kotrbaty, Guy F., assignor.)
Ferris, Walter, and J. K. Douglas, Milwaukee, and G. H. Fobian, West Allis, assignors to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,101,495; Dec. 7.
Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Brine ice. 2,101,055; Dec. 7.
Field, Fred F., Jr., assignor to Dutchland Farms, Inc., Brockton, Mass. Tractor and trailer. 2,101,793; Dec. 7.
Field, Henry P., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,101,171; Dec. 7.
Figueira, Joseph, New York, assignor to Leviton Manufacturing Company, Brooklyn, N. Y. Electric switch. 2,101,539; Dec. 7.
Finch, James L., Patchogue, and L. L. Young, Rocky Point, N. Y., assignors to Radio Corporation of America. Temperature control container. 2,101,135; Dec. 7.
Finley, Sam E., Atlanta, Ga. Constructing pavements. 2,101,388; Dec. 7.
Fischer, Anthony J., Jackson Heights, assignor to The Dorr Company, Inc., New York, N. Y. Flocculation. 2,101,810; Dec. 7.
Fischer, Oliver C., assignor of one per cent to R. L. Miller, one per cent to O. J. Moffitt, one per cent to H. G. Horn, four per cent to H. F. Schneider, one per cent to E. E. Collette, one per cent to L. V. Sondelbeck, and one per cent to A. D. Goeddell, Waterloo; one per cent to A. A. Wierschem and M. Wierschem, and one per cent to E. W. Koch, Columbia, and one per cent to I. A. Moore, Collinsville, Ill. Muffler. 2,101,389; Dec. 7.
Fitch, Clyde J. (See Lemmon, W. S., Fitch, and Walz.)
Flakeice Corporation. (See Field, Crosby, assignor.)
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding wheel positioning mechanism. 2,101,794; Dec. 7.
Flygare, Carl G., and H. A. Silven, assignors to Norton Company, Worcester, Mass. Grinding wheel truing apparatus. 2,101,795; Dec. 7.
Fobian, George H. (See Ferris, W., Douglas, and Fobian.)
Folifilm, Inc. (See Kittredge, H. G., and Williams, assignors.)
Fonseca, Edward L., assignor to The Wilcolator Company Newark, N. J. Self-compensating heat regulator. 2,101,735; Dec. 7.

Food Machinery Corporation. (See Hait, James M., assignor.)
Food Machinery Corporation. (See Lewis, Harold R., assignor.)
Formfit Company, The. (See Kunstadter, Sigmund W., assignor.)
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Fox, Charles J., Ellicottville, N. Y. Building constructions. 2,101,777; Dec. 7.
Frank, Georg. (See Sindl, O., and Frank.)
Frank, Nathan, assignor to Febod Corporation, Newark, N. J. Clutch device. 2,101,366; Dec. 7.
Frankenburger, Walter, H. Hammerschmid, and G. Roessler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing synthetic resins. 2,101,332; Dec. 7.
Frankenburger, Walter, H. Hammerschmid, and G. Roessler, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing synthetic resins. 2,101,333; Dec. 7.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for winding material. 2,101,248; Dec. 7.
Franzmeier, Alvin W., Rosemount, Minn. Filter pad. 2,101,811; Dec. 7.
Fraser, James W., Cleveland, Ohio. Making a paving material. 2,101,614; Dec. 7.
Fraternali, Henry, Dobbs Ferry, N. Y. Candle holder and candle. 2,101,136; Dec. 7.
Freyn Engineering Company. (See Rice, Owen R., assignor.)
Frick, Henry E., Upper Montclair, N. J., assignor to The Metal Lumber Corporation of New Jersey, New York, N. Y. Covering cargo hatches and other openings. 2,101,056; Dec. 7.
Friedrichs, Wilhelm, Reinickendorf-Ost, near Berlin, Germany. Coin controlled prepaying machine for mail. 2,101,615; Dec. 7.
Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Pneumatic classifier. 2,101,249; Dec. 7.
Fritz, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Wave modulation. 2,101,137; Dec. 7.
Fuller Brush Company, The. (See Rowland, Clarence G., assignor.)
Fuller, Buckminster, assignor to The Dymaxion Corporation, Bridgeport, Conn. Motor vehicle. 2,101,057; Dec. 7.
Fulton Company, The. (See Thorp, Joel R., assignor.)
Fulton, Robert A., and W. C. Fernelius, Columbus, Ohio, dedicated to the free use of the Public in the Territory of the United States of America. Insecticide and fungicide. 2,101,645; Dec. 7.
Gantzer, Howard E. (See Cundall, R. N., and Gantzer.)
Gardner, William T., et al. (See Aldridge, Arthur A., assignor.)
Garlock Packing Company, The. (See Stewart, Hugh T., assignor.)
Gas Tool Patents Corporation. (See Boddinghouse, Emmons R., assignor.)
Gasoline Products Company. (See Nofsinger, C. W., and Keith, assignors.)
Gaus, Frank L. (See Reuter, R., and Gaus.)
Gebauer-Fuelnegg, Erich, deceased, by M. Gebauer-Fuelnegg, administratrix, Evanston, Ill., and E. M. Kratz, Gary, Ind., assignors, by mesne assignments, to Marbo Patents Inc. Apparatus for reacting strip material with a liquefied reagent. 2,101,138; Dec. 7.
Gebauer-Fuelnegg, Marie, administratrix. (See Gebauer-Fuelnegg, E., and Kratz.)
Gegenheimer, William, Brooklyn, assignor to Willard Manufacturing Corporation, New York, N. Y. Sprocket chain truing device. 2,101,172; Dec. 7.
Gegenheimer, William, Brooklyn, assignor to Willard Manufacturing Corporation, New York, N. Y. Plate clamp. 2,101,173; Dec. 7.
General Aniline Works, Inc. (See Balle, G., and Elsfeld, assignors.)
General Aniline Works, Inc. (See Neresheimer, H., Vilsmeier, and Heid, assignors.)
General Aniline Works, Inc. (See Wagner, H., Zabel, and Ensslin, assignors.)
General Electric Company. (See Arey, R. G., and Faus, assignors.)
General Electric Company. (See Brüche, E., and Henneberg, assignors.)
General Electric Company. (See Byk, M., and de Mare, assignors.)
General Electric Company. (See Cooper, La Mar S., assignor.)
General Electric Company. (See de Neumann, Michael, assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Donovan, J. F., and Illingworth, assignors.)
General Electric Company. (See Gulhauman, Werner, assignor.)
General Electric Company. (See Hull, Edwin H., assignor.)
General Electric Company. (See Linn, Frank C., assignor.)
General Electric Company. (See Nisbet, Archibald W., assignor.)
General Electric Company. (See Payne, John H., Jr., assignor.)
General Electric Company. (See Sambleson, Robert F., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Wiegand, K., and Koenig, assignors.)
General Electric Vapor Lamp Company. (See Walker, Warren R., assignor.)
General Machinery Corporation. (See Byerlein, Arthur A., assignor.)
General Motors Corporation. (See Anibal, Benjamin H., assignor.)
General Motors Corporation. (See Grooms, Albert O., assignor.)
General Motors Corporation. (See Michel, C. A., and Winkelmeyer, assignors.)
General Motors Corporation. (See Saunders, L. P., and Rosenberg, assignors.)
General Motors Corporation. (See Smart, Clarence F., assignor.)
General Motors Corporation. (See Tenney, Perry L., assignor.)
General Motors Corporation. (See Thompson, Earl A., assignor.)
George, Glenn C., Omaha, Nebr. Refrigerator car. 2,101,736; Dec. 7.
Gerard, Frank W. (See Jennings, C. S., and Gerard.)
Gerhardt, Reginald B., Steelton, Pa., assignor to Beth-Mary Steel Corporation. Cooling rails. 2,101,312; Dec. 7.
Gesler, Leonard A., Aurora, Ill. Hair trimmer. 2,101,737; Dec. 7.
Gibson Electric Refrigerator Corporation. (See Gilbert, Herman F., assignor.)
Giese, August F., Jr. (See Andrews, C. W., and Dougan, assignors.)
Gilbert, Herman F., Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation. Vitreous enameling process. 2,101,616; Dec. 7.
Gilbert, William L., Clock Corporation. (See Williams, Othenil G., assignor.)
Gillispie, Raymond L., Bethlehem, Pa., assignor to Bethlehem Steel Company. Rail brace. 2,101,313; Dec. 7.
Gleason Works. (See Carlsen, Leonard O., assignor.)
Gochnauer, Walter E., Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Strip feeding mechanism for writing machines. 2,101,334; Dec. 7.
Godfrey, Truman M., Winchester, Mass., and V. Serbell, Leonia, N. J., assignors to Lever Brothers Company. Finishing shortening. 2,101,496; Dec. 7.
Goeddel, Arthur D., et al. (See Fischer, Oliver C., assignor.)
Goertz, Frederick, South Orange, N. J. Spool needle cushion. 2,101,250; Dec. 7.
Goldbert, Max L., New York, N. Y., and R. T. Watts, Miami Beach, Fla., assignors to Electric Trading Corporation, New York, N. Y. Electric control device. 2,101,430; Dec. 7.
Goldstone, Benjamin, Long Beach, N. Y. Alarm system. 2,101,058; Dec. 7.
Goldstone, Benjamin, Long Beach, N. Y. Alarm apparatus. 2,101,059; Dec. 7.
Goodhart, Robert H., et al. (See Crewdson, Sarah M., assignor.)
Goodknight, Alva L., Fort Worth, Tex. Air brake mechanism. 2,101,708; Dec. 7.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Eyelet. 2,101,060; Dec. 7.
Gordon, Burgess L., Jr., assignor to Hogan Inventions, Inc., Philadelphia, Pa. Aquatic toy. 2,101,646; Dec. 7.
Gordon, Wallace E., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Casting. 2,101,061; Dec. 7.
Gorissen, Engelbert, deceased, M. Gorissen, nèe Becker, legal representative, assignor to the firm Vorwerk & Co., Wuppertal-Barmen, Germany. Blower for vacuum cleaners. 2,101,390; Dec. 7.
Gorissen, Margarete, nèe Becker, legal representative. (See Gorissen, Engelbert.)
Gossen, Martin J., Milwaukee, Wis. Window sash balance. 2,101,577; Dec. 7.
Götte, Ernst, and W. Kling, assignors, by mesne assignments, to Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Pigmenting fibrous materials. 2,101,251; Dec. 7.
Gotthardt, Henry R., assignor to Logan Co. Inc., Louisville, Ky. Coil handling apparatus. 2,101,738; Dec. 7.
Graham, Maurice H., Minneapolis, Minn. Automatic toaster. 2,101,062; Dec. 7.
Grahame, James H., Mount Vernon, assignor to The Texas Company, New York, N. Y. Solvent refining of mineral oil. 2,101,497; Dec. 7.

Grahame, John, Sixes, Oreg. Support for fishing reels. 2,101,174; Dec. 7.
Grant, Charles H., et al. (See Lawler, Frank P., assignor.)
Graves, George D., and J. Harmon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Resinous aminomethanol-aromatic amine-formaldehyde condensation products. 2,101,215; Dec. 7.
Gray, Harry H., Kansas City, Mo. Nut and bolt assembling machine. 2,101,367; Dec. 7.
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding apparatus. 2,101,796; Dec. 7.
Green, Samuel G., Gray, Ga. Muzzle attachment for guns. 2,101,063; Dec. 7.
Greenbaum, Martin, Newark, N. J. Nonrefillable bottle tapping device. 2,101,471; Dec. 7.
Grey, Charles L., et al. (See Caudle, Arthur A., assignor.)
Grey Hosiery Mills. (See Caudle, Arthur A.)
Grey, James P., Jr., et al. (See Caudle, Arthur A., assignor.)
Grigor, James. (See Crawford, J. W. C., and Grigor.)
Griswold Manufacturing Company, The. (See Anderson, Carl R., assignor.)
Groff, Frazier, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Denture blank. 2,101,431; Dec. 7.
Groll, Herbert P. A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Process and product relating to unsaturated xanthates. 2,101,648; Dec. 7.
Groll, Herbert P. A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Xanthates of unsaturated secondary alcohols and their preparation. 2,101,649; Dec. 7.
Groll, Herbert P. A., Oakland, assignor to Shell Development Company, San Francisco, Calif. Flotation process. 2,101,647; Dec. 7.
Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,101,498; Dec. 7.
Grotewohl, Laurence A., Muskegon, assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich. Foundry cupola. 2,101,391; Dec. 7.
Grueschow, Adolph C., Milwaukee, Wis. Ceiling washer. 2,101,216; Dec. 7.
Grün, Adolf, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del. Production of unsaturated hydrocarbons. 2,101,314; Dec. 7.
Guilhauman, Werner, Berlin-Steglitz, Germany, assignor to General Electric Company. Elastic fluid turbine Control. 2,101,676; Dec. 7.
Guinzburg, Roland H., Flushing, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Apparatus for molding and ornamenting rubber articles. 2,101,252; Dec. 7.
Gulf Research and Development Company. (See Weinrich, William W., assignor.)
Gullich, Kurt, assignor to Bisonit G. m. b. H., Marienberg in Saxony, Germany. Producing articles from moldable powder. 2,101,540; Dec. 7.
Günther, Martin, and J. Eggert, assignors to "Patentverwertung Dr. Martin Günther G. m. b. H.", Berlin, Germany. Producing artificial threads, fibers, and the like. 2,101,253; Dec. 7.
Gustafsson, Eric, assignor to Binks Manufacturing Company, Chicago, Ill. Air nozzle for flat-spraying appliances. 2,101,175; Dec. 7.
Gutmann, Ferdinand & Co. (See Cohn, Benno, assignor.)
Gyro Process Company. (See Schutt, Hermann C., assignor.)
Hackett, William F. (See Meyers, Charles J., assignor.)
Hagemeyer, Henry F., assignor to Castings Patent Corporation, Chicago, Ill. Apparatus for producing molds. 2,101,677; Dec. 7.
Hague, Alfred E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing circuit. 2,101,254; Dec. 7.
Hain, Harry D., assignor to Railley Corporation, Cleveland, Ohio. Electric lighting fixture. 2,101,499; Dec. 7.
Hait, James M., Los Angeles, Calif., assignor to Food Machinery Corporation. Lubricating system for vertical pump shafts. 2,101,541; Dec. 7.
Hale, Frank C., and R. Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,101,022; Dec. 7.
Hale, Frank C., and J. R. Yorke, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,101,023; Dec. 7.
Hall, Tom, New York, N. Y., assignor to C. S. Robinson, Sandy Hook, Conn. Candelabra. 2,101,578; Dec. 7.
Hall, Wesley F. (See Hogaboom, G. B., and Hall.)
Hamer, Edna, Sioux Falls, S. Dak. Powder puff dispenser. 2,101,579; Dec. 7.
Hamilton, Robert H. (See Chonette, W. C., and Hamilton.)
Hammerschmid, Herbert. (See Frankenburger, W., Hammerschmid, and Roessler.)
Hanford, John M. (See Willard, Louis E., assignor.)
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Visible detector of invisible radiation. 2,101,139; Dec. 7.
Hanson-Van Winkle-Munning Company. (See Hogaboom, G. B., and Hall.)
Harmon, Jesse. (See Graves, G. D., and Harmon.)
Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Electric generator. 2,101,392; Dec. 7.
Harrison, Laurence S., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Time system. 2,101,432; Dec. 7.
Hartbauer, August W. L., Chicago, Ill. Refrigerator hatch arrangement. 2,101,368; Dec. 7.
Hartford-Empire Company. (See Wise, Charles H., assignor.)
Hartzell Industries, Inc. (See Hartzell, Robert N., assignor.)
Hartzell, Robert N., assignor to Hartzell Industries, Inc., Piqua, Ohio. Compressing wood. 2,101,542; Dec. 7.
Haugen, Andrew L., New York, N. Y. Lawn mower. 2,101,739; Dec. 7.
Hautzenroeder, Richard W., Mansfield, Ohio. Fuel system for internal combustion engines. 2,101,064; Dec. 7.
Hay, Rene M., New York, N. Y., assignor to Durex Products, Inc. Making pessaries. 2,101,255; Dec. 7.
Hayes, Carl I., Providence, R. I. Heat treatment furnace. 2,101,065; Dec. 7.
Haynes, John. (See Rider, T. H., Shelton, and Haynes.)
Heckman, Joseph H., Chicago, Ill. Clasp for collars. 2,101,617; Dec. 7.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Bench saw rip fence. 2,101,709; Dec. 7.
Hedin, Uno C., and C. H. Larson, Elkhart, Ind., assignors to The Adlake Company. Mercury switch. 2,101,824; Dec. 7.
Hege, Raymond W., San Diego, Calif. Automatic injecting syringe device. 2,101,140; Dec. 7.
Height, Lewis H., assignor to Thompson Manufacturing Co., Denver, Colo. Highway guardrail. 2,101,176; Dec. 7.
Heintz Manufacturing Company. (See Lambert, Albert L., and F. M., assignors.)
Heinze Development Company. (See Heinze, John O., assignor.)
Heinze, John O., Detroit, Mich., assignor to Heinze Development Company. High speed transportation system. 2,101,024; Dec. 7.
Held, Robert. (See Meresheimer, H., Vilsmeier, and Heid.)
Hempe, Max T., Providence, R. I. Aircraft. 2,101,778; Dec. 7.
Henkel, Gerhard, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,101,543; Dec. 7.
Henneberg, Walter. (See Brüche, E., and Henneberg.)
Henricks, John A., Chicago, Ill., assignor to Udylite Company, Detroit, Mich. Obtaining bright zinc coating. 2,101,580; Dec. 7.
Henricks, John A., Chicago, Ill., assignor to Udylite Company, Detroit, Mich. Obtaining bright zinc coating. 2,101,581; Dec. 7.
Herbster, George, Cleveland, Ohio. Gas burning and control apparatus. 2,101,393; Dec. 7.
Hercules Powder Company. (See De Laney, William W., assignor.)
Hercules Powder Company. (See Hollabaugh, Cleveland B., assignor.)
Hercules Powder Company. (See Lorand, Eugene J., assignor.)
Herfurth, Charles. (See Ernst, H. Herfurth, and Nenninger.)
Herschmann, Arthur J., New York, N. Y. Nut lock. 2,101,678; Dec. 7.
Hickok, W. O., Manufacturing Company. (See Broadmeyer, Albert, assignor.)
Hilker, Luther D. (See Whitaker, R., Weisberg, and Hilker.)
Hill, Julian W., and E. W. Spanagel, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of dicarboxylic acids and esters thereof. 2,101,217; Dec. 7.
Hirschl, Harry, Washington, Mo. Corncob smoking pipe. 2,101,740; Dec. 7.
Hoagland, Frank O., West Hartford, assignor to Niles-Bement-Pond Company, Hartford, Conn. Bench type machine tool. 2,101,177; Dec. 7.
Hoff, John G., assignor to The Tappan Stove Company, Mansfield, Ohio. Oven lining. 2,101,582; Dec. 7.
Hogaboom, George B., New Britain, Conn., and W. F. Hall, assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J. Apparatus for plating sheets. 2,101,178; Dec. 7.
Hogan Inventions, Inc. (See Gordon, Burgess L., Jr., assignor.)
Hollabaugh, Cleveland B., assignor to Hercules Powder Company, Wilmington, Del. Nitrocellulose emulsion. 2,101,066; Dec. 7.
Holophane Company. (See Rolph, Thomas W., assignor.)
Hönneknövel, Friedrich A., Remscheid-Biledinghausen, Germany. Hand tool for boring, sawing, and rasping wood and like materials. 2,101,583; Dec. 7.
Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and apparatus for operating on unattached soles. 2,101,179; Dec. 7.
Hooper, Leslie J. (See Cole, Edward S. and E. S., and Hooper.)

Horn, Harold G., et al. (See Fischer, Oliver C., assignor.)
Horner, Albert, Kapaa, Kauai, Hawaii. Killing and controlling organisms on various plant materials 2,101,584; Dec. 7.
Hosking, Harry J., Sea Cliff, N. Y. Polishing compound. 2,101,050; Dec. 7.
Howard, William S., Detroit, Mich., assignor to B. Nicoll & Company, Inc., New York, N. Y. Material handling apparatus. 2,101,067; Dec. 7.
Hubbell, Jesse P., Fanwood, N. J. Transportation system and apparatus. 2,101,711; Dec. 7.
Huber, Karl, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Apparatus for measuring the region of density of a negative. 2,101,710; Dec. 7.
Huff, Walter N., Harwood, Tex. Rodless pump. 2,101,218; Dec. 7.
Huggins, Merion J., Upper Saddle River, N. J. Controlling the flow of electric current. 2,101,068; Dec. 7.
Hull, Edwin H., Schenectady, N. Y., assignor to General Electric Company. Spinning bucket drive. 2,101,679; Dec. 7.
Hungerford, Daniel C., Chalfont, Pa., assignor, by mesne assignments, to Star Expansion Bolt Company, New York, N. Y. Tie for concrete forms. 2,101,141; Dec. 7.
Hunt, Nathan C., and S. C. Chessman, Salem, Ohio; said Chessman assignor to said Hunt. Pressure valve. 2,101,025; Dec. 7.
Hunter Tractor & Machinery Co. (See Wagler, Mann E., assignor.)
Hygrade Sylvania Corporation. (See Burns, Laurence, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Frankenburger, W., Hammerschmid, and Roessler, assignors.)
Illingworth, George. (See Donovan, J. F., and Illingworth.)
Imperial Chemical Industries Limited. (See Crawford John W. C., assignor.)
Imperial Chemical Industries, Limited. (See Crawford, J. W. C., and Grigor, assignors.)
Imperial Chemical Industries Limited. (See Moore, Joseph G., assignor.)
Imperial Chemical Industries Limited. (See Wyler, Max, assignor.)
Industrial Dyestuff Company. (See Norman, Simon, assignor.)
International Business Machines Corp. (See Conradi, L. C., and Fairbrother, assignors.)
International Business Machines Corporation. (See Harrison, Laurence S.)
International Business Machines Corporation. (See Lang, William, assignor.)
International Business Machines Corporation. (See Lemmon, W. S., Fitch, and Walz, assignors.)
International Business Machines Corporation. (See Miles, Joseph W., assignor.)
International Business Machines Corporation. (See Rauch, Konrad, assignor.)
International Business Machines Corporation. (See Rose, Ernest, assignor.)
International Business Machines Corporation. (See Sprecker, Alfred L., assignor.)
International Harvester Company. (See Lindgren, A. C., and Raney, assignors.)
International Harvester Company. (See Rogers, Clifford R., assignor.)
International Precipitation Company. (See Deutsch, Walther, assignor.)
International Resistance Company. (See Marsten, Jesse, assignor.)
Ischinger, Alfred E., Mount Penn, assignor to Textile Machine Works, Wyomissing, Pa. Uninterrupted knitting of shaped fabrics. 2,101,048; Dec. 7.
Iske, Herbert. (See MacDonald, A. V., Minkler, and Iske.)
Isler, Herman R., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control mechanism. 2,101,544; Dec. 7.
Jackson, Philip A., Dayton, assignor to W. C. Lamprechter, Cleveland Heights, Ohio, trustee. Apparatus for guiding paper forms. 2,101,433; Dec. 7.
Jacob, Thomas H., Wausau, Wis. Spring suspension for trailers. 2,101,545; Dec. 7.
Jacobs, Charles, Detroit, Mich. Portable cooker. 2,101,180; Dec. 7.
Jagus, Leon J., Chicago, Ill. Expansible frame and support. 2,101,500; Dec. 7.
Jennings, Chester S., Syracuse, N. Y., and F. W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y. Drying materials. 2,101,335; Dec. 7.
Jensen, Joseph W., and A. J. Shute, assignors to Electric Household Utilities Corporation, Chicago, Ill. Supporting mechanism for cabinet ironers. 2,101,142; Dec. 7.
Johannsen, Margaret. (See Daly, L., and Johannsen.)
Johansen, Einar K., assignor to Clearing Machine Corporation, Chicago, Ill. Tracer mechanism for duplicating machines. 2,101,712; Dec. 7.
Johns-Manville Corporation. (See Parry, Robert E., assignor.)
Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Cigar-lighter. 2,101,336; Dec. 7.
Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Coin actuated switch. 2,101,546; Dec. 7.
Johnson, Charles E., Chicago, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,101,181; Dec. 7.
Johnson, Fay G. (See Watson, Charles B., assignor.)
Johnson, Franklin D., Charleston, W. Va. Meat block brush. 2,101,394; Dec. 7.
Johnson, Gustaf A., New Bedford, Mass. Electric light fixture. 2,101,680; Dec. 7.
Johnston, Howard M., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Vise. 2,101,434; Dec. 7.
Jolliffe, John J., Hawthorne, assignor to The Okonite Company, Passaic, N. J. Electric connecter or terminal. 2,101,713; Dec. 7.
Jones-Laughlin Steel Corporation. (See Boardman, Charles S., assignor.)
Jones, Theodore A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph receiver. 2,101,256; Dec. 7.
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 2,101,060; Dec. 7.
Jorgensen, Clarence H., administrator. (See Jorgensen, Clarence H. and P. J.)
Jorgensen, Clarence H., and P. J. Jorgensen, deceased, by C. H. Jorgensen, administrator, Elmhurst, Ill. Thermostatic control for internal combustion engines. 2,101,369; Dec. 7.
Jorgensen, Peter J. (See Jorgensen, Clarence H. and P. J.)
Josephs, Lester J., New York, N. Y. Attaching tip for suspender cords. 2,101,681; Dec. 7.
Joy, Robert W. (See Ostrander, A. E., Joy, and Kassler.)
Kacena, John, Chicago, and E. E. Kelly, Oak Park, assignors to Crane Co., Chicago, Ill. Shutter for radiator enclosures and the like. 2,101,797; Dec. 7.
Kantola, Carl F. (See Lentz, W. L., and Kantola.)
Kaplan, Morris, Brooklyn, N. Y. Eyeglasses. 2,101,026; Dec. 7.
Karger, David, assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis. Dusting mitten. 2,101,027; Dec. 7.
Kassler, Adolph. (See Ostrander, A. E., Joy, and Kassler.)
Kato, Etsuro, Hara-Machi, Meguro-ku, Tokyo-Shi, Japan. Operating apparatus for flyer frames. 2,101,395; Dec. 7.
Kear, Frank G. (See Mashbir, S. F., Kear, Davies, and Orton.)
Keck, Harry A., Teaneck, N. J., assignor to Lever Brothers Company. Finishing fats. 2,101,501; Dec. 7.
Keeney, Arthur J., Cuyahoga Falls, Ohio. Rubber coated article and manufacturing same. 2,101,714; Dec. 7.
Kegresse, Adolphe, Paris, France. Endless track for vehicles. 2,101,618; Dec. 7.
Keith, Percy C., Jr. (See Nofsinger, C. W., and Keith.)
Keller, John M., Lakewood, Ohio. Hair drying apparatus. 2,101,502; Dec. 7.
Kelley, Shawl J., Baltimore, Md. Horseshoe. 2,101,070; Dec. 7.
Kelly, Edward E. (See Kacena, J., and Kelly.)
Kemp, William, St. Louis, Mo. Automatic check damper. 2,101,315; Dec. 7.
Kenney, Frederick W., Bloomfield, N. J. Cylinder lock. 2,101,779; Dec. 7.
Kershaw, Henry, Newark, N. J. Apparatus for marking articles. 2,101,219; Dec. 7.
Ketcham, Howard, New York, N. Y. Color analyzing apparatus. 2,101,741; Dec. 7.
Kettnich, Albert E., Chicago, Ill. Valve. 2,101,316; Dec. 7.
Kielland, Jakob de R. (See Samuelson, H., and Kielland.)
King, John M., Dover, N. J. Grenade. 2,101,071; Dec. 7.
Kingman, Russell B., Orange, N. J. Waxing device. 2,101,672; Dec. 7.
Kingsbury, Edward J., Keene, N. H. Automatic machine tool with work clamps. 2,101,396; Dec. 7.
Kinsley, Carl, Westfield, N. J., assignor to United States Steel Corporation, New York, N. Y. Electromagnetic testing of materials. 2,101,780; Dec. 7.
Kiser, Fred A., Lamar, Kans. Holder. 2,101,220; Dec. 7.
Kistler, John C., assignor to Armour and Company, Chicago, Ill. Curing hams. 2,101,547; Dec. 7.
Kistner, Herman H., Baltimore, Md., assignor to Kistner Lock & Appliance Company. Door lock. 2,101,812; Dec. 7.
Kistner Lock & Appliance Company. (See Kistner, Herman H., assignor.)
Kitson Company. (See Lovekin, Luther D., assignor.)
Kittredge, Harvey G., and F. W. Williams, assignors to Fothilm, Inc., Dayton, Ohio. Composite product. 2,101,182; Dec. 7.
Klafstad, Erling, Melrose, assignor to Crosby Steam Gage and Valve Company, Boston, Mass. Relief valve. 2,101,682; Dec. 7.
Klingfilm G. m. b. H. (See Weber, Heinrich, assignor.)

Klein, Maxmillian, and B. Willach, assignors to United States Gauge Company, Sellersville, Pa. Differential gauge. 2,101,028; Dec. 7.
Kleinert, I. B., Rubber Company. (See Guinzburg, Roland H., assignor.)
Kling, Walter. (See Götte, E., and Kling.)
Klotz, Ernest, K. Wilhelm, and H. O. Roosenstein, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Selective circuit arrangement. 2,101,715; Dec. 7.
Knight, Henry H., Canton, assignor, by mesne assignments, to Davis & Furber Machine Company, North Andover, Mass. Tape condenser. 2,101,370; Dec. 7.
Knobeck, John H., Madison, Wis. Freewheeling device for aeroplane propellers. 2,101,781; Dec. 7.
Knott, William M. (See Bishop, J. B., and Knott.)
Koch, Elmer W., et al. (See Fischer, Oliver C., assignor.)
Koch, George H. (See Simpson, R., and Koch.)
Koenig, Alexander. (See Wiegand, K., and Koenig.)
Koerber, William G., assignor to Karl A. Zimmerer Manufacturing Co. Inc., Detroit, Mich. Apparatus for preventing beer settling. 2,101,029; Dec. 7.
Komenak, Albert J., assignor to The Excelsior Hardware Company, Stamford, Conn. Lockable hasp fastener. 2,101,337; Dec. 7.
Koninklijke Nederlandsche Hoogovens en Staalfabrieken N. V. (See van Zijp, Antonius J., assignor.)
Kormann, Frederick A., Glendale, Calif. Antifreezing means. 2,101,472; Dec. 7.
Korn, Franklin A., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,101,258; Dec. 7.
Kotrbaty, Guy F., New York, N. Y., assignor to Ferrocon Corporation, Bryn Mawr, Pa. Structural building element and building made therefrom. 2,101,073; Dec. 7.
Kotrbaty, Guy F., assignor to Fer-O-Con Corporation, New York, N. Y. Building system and construction units and elements therefor. 2,101,074; Dec. 7.
Krag, Franz K., Chicago, Ill. Food dispensing device. 2,101,075; Dec. 7.
Kratz, Edouard M. (See Gebauer-Fuelnegg, E., and Kratz.)
Krauer, Otto. (See Lewis, J. D., Waters, and Krauer.)
Kroll, Philip J., New York, N. Y. Vehicle rocking apparatus. 2,101,397; Dec. 7.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electromagnetic apparatus. 2,101,548; Dec. 7.
Krumbhaar, Wilhelm, Detroit, Mich. Shellac substitute and producing the same. 2,101,398; Dec. 7.
Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Heat exchange apparatus. 2,101,782; Dec. 7.
Kunstadter, Sigmund W., assignor to The Formfit Company, Chicago, Ill. Brassière. 2,101,716; Dec. 7.
Kunze, Willy, Leipzig, Germany. Expansion-plug for barrels and other tanks, fire-tube and water-tube boilers. 2,101,030; Dec. 7.
Kurtz, Benjamin F., Bellevue, assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa. Car brake. 2,101,717; Dec. 7.
Laboureur, Louis A. M. J., Paris, and R. Dubois, Asnieres, France. Electric time indicator for sounding apparatus. 2,101,076; Dec. 7.
Lacy, Roy. (See Palmer, George V., assignor.)
La-Del Conveyor & Mfg. Co. (See Bebinger, Charles N., assignor.)
Laidig, Alfred H., Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Shockproof X-ray unit. 2,101,143; Dec. 7.
Laird, William A., et al. (See Aldridge, Arthur A., assignor.)
Lamb, James J., West Hartford, Conn., assignor, by mesne assignments, to A. N. Mann, Scarsdale, N. Y., trustee. Silencing circuits for radio receivers. 2,101,549; Dec. 7.
Lambert, Albert L. and F. M., Narberth, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Ship door or hatch construction. 2,101,550; Dec. 7.
Lambert, Francis M. (See Lambert, Albert L. and F. M.)
Lamprechter, William C., trustee. (See Jackson, Philip A., assignor.)
Lamson Company, The. (See Jennings, C. S., and Gerard, assignors.)
Landau, Argo E., assignor to Royal Bond, Inc., St. Louis, Mo. Prayer bench. 2,101,259; Dec. 7.
Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
Landis & Gyr, A.-G. (See Pudelko, Riccard, assignor.)
Lang, Frederick W., Forsyth, Ga. Foot exercising device. 2,101,503; Dec. 7.
Lang, William, assignor to International Business Machines Corporation, New York, N. Y. Record controlled printing mechanism. 2,101,435; Dec. 7.
Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Spirit level and mounting. 2,101,077; Dec. 7.
Lannom, George S., Jr., assignor to The Lannom Manufacturing Company, Grinnell, Iowa. Blind stitch play ball. 2,101,473; Dec. 7.
Lannom Manufacturing Company, The. (See Lannom, George S., Jr., assignor.)
La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)
Larsen, Agnew E., Kingston-on-Thames, England, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft of the rotative-wing type. 2,101,399; Dec. 7.
Larson, Carl H. (See Hedin, U. C., and Larson.)
Lava, Vincente G., Manila, P. I. Oil recovery. 2,101,371; Dec. 7.
La Vigne, Jerome R., assignor to The Waterbury Buckle Company, Waterbury, Conn. Belt buckle. 2,101,585; Dec. 7.
Lawler, Frank P., assignor to C. H. Grant, San Francisco, P. J. Tyler, Orville, Calif., and himself. Earth moving machine. 2,101,400; Dec. 7.
Lawton, Howard B., Detroit, Mich. Arrangement for resetting hobs. 2,101,183; Dec. 7.
Leach, Harry, Providence, R. I. Seal. 2,101,586; Dec. 7.
Lear, Earl B., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Air or water tube connection for rock drills. 2,101,144; Dec. 7.
Lee, John G., Avon, Conn., assignor, by mesne assignments, to United Aircraft Corporation. Adjustable gunner's seat. 2,101,145; Dec. 7.
Lehmann Machine Company. (See Lehmann, Max A., assignor.)
Lehmann, Max A., Richmond Heights, assignor to Lehmann Machine Company, St. Louis, Mo. Lathe. 2,101,372; Dec. 7.
Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Directive signaling. 2,101,436; Dec. 7.
Leigh, Nathan J., Great Neck, assignor to Elnson-Freeman Co., Inc., Long Island City, N. Y. Adjustable display device having a lustrous portion. 2,101,683; Dec. 7.
Lemieux, Emma, et al. (See Lemieux, Felix J., assignor.)
Lemieux, Felix J., assignor of twenty-five percent to J. J. McLaughlin, twelve and one-half percent to E. Lemieux, and twelve and one-half percent to M. Tonjum, Chicago, Ill. Clamping device. 2,101,317; Dec. 7.
Lemmon, Walter S., New York, N. Y., C. J. Fitch, Jersey City, N. J., and R. F. Walz, assignors to International Business Machines Corporation, New York, N. Y. System of operation of typewriters. 2,101,437; Dec. 7.
Lempco Products, Inc. (See Blazek, J. Y., and Anderson, assignors.)
Lentz, William L., Tuckahoe, N. Y., and C. F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company. Locomotive structure. 2,101,619; Dec. 7.
Leppke, Louis A., Omaha, Nebr. Serving device. 2,101,401; Dec. 7.
Lever Brothers Company. (See Godfrey, T. M., and Serbell, assignors.)
Lever Brothers Company. (See Keck, Harry A., assignor.)
Levine, Arthur A., and R. W. McAllister, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticidal product and process. 2,101,587; Dec. 7.
Leviton Manufacturing Company. (See Figueira, Joseph, assignor.)
Lewis, Harold R., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Pulper. 2,101,620; Dec. 7.
Lewis, Jacob D., Yonkers, N. Y., H. Waters, Hohokus, N. J., and O. A. Krauer, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Control system. 2,101,146; Dec. 7.
Leyhausen, Wilhelm, Nuremberg, Germany. Spark chamber for automatic cut-outs. 2,101,783; Dec. 7.
Libbey-Owens-Ford Glass Company. (See Johnson, Charles E., assignor.)
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Neutralized coupling circuit. 2,101,438; Dec. 7.
Lindgren, Alexus C., Chicago, and C. R. Raney, Riverside, Ill., assignors to International Harvester Company. Grain binder. 2,101,439; Dec. 7.
Lindstaedt, Frank F., Oakland, Calif. Parasiticidal spray compound. 2,101,373; Dec. 7.
Linn, Frank C., Swampscott, Mass., assignor to General Electric Company. Spinning bucket drive. 2,101,684; Dec. 7.
Linsell, Alfred A., London, England, assignor to Radio Corporation of America. Short wave radio transmitting apparatus. 2,101,440; Dec. 7.
Lisowitz, Herman W., Uniontown, Pa. Emergency chain for automobile tires. 2,101,588; Dec. 7.
Lithographic Technical Foundation, Inc., The. (See Reed, Robert F., assignor.)
Little, Charles E., Los Angeles, Calif. Apparatus for handling concrete and the like. 2,101,031; Dec. 7.
Livingston, John W., Wilkinsburg, assignor to the Union Switch & Signal Company, Swissvale, Pa. Railway car retarder. 2,101,184; Dec. 7.
Lockhart, William, assignor to Cornell Securities Corporation, Cleveland, Ohio. Receptacle and closure. 2,101,813; Dec. 7.
Lockhart, William, assignor to Cornell Securities Corporation, Cleveland, Ohio. Receptacle and closure. 2,101,814; Dec. 7.
Logan Co. Inc. (See Gotthardt, Henry R., assignor.)

Logan, George H., Pittsburgh, Pa. Snare for drums. 2,101,784; Dec. 7.

Lognion, Euclide, Lake Charles, La. Clothespin. 2,101,742; Dec. 7.

Long, W. E., Company, The. (See Reece, Wade W., assignor.)

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Recovery of aralkyl ethers of cellulose. 2,101,032; Dec. 7.

L'Orange, Rudolf, Stuttgart, Germany, assignor of one-half to F. R. Simms, London, England. Liquid fuel pump. 2,101,221; Dec. 7.

Lord, Hugh C., and T. Lord, Erie, Pa.; said T. Lord assignor to said H. C. Lord. Flexible coupling. 2,101,078; Dec. 7.

Lord, Thomas. (See Lord, Hugh C., and T.)

Lovekin, Luther D., Villa Nova, assignor to Kitson Company, Philadelphia, Pa. Temperature relief valve device. 2,101,338; Dec. 7.

Loveland, Russ A. (See Tyler, W. E., Douglas, Chamberlain, and Loveland.)

Lowres Optical Manufacturing Co. (See Petersen, Henry C., assignor.)

Luhn, Hans P., New York, N. Y. Apparatus for determining variations in thickness of thread. 2,101,260; Dec. 7.

Lund, Nels B., Seaford, assignor to The Dorr Company, Inc., New York, N. Y. Raking mechanism for sedimentation tanks. 2,101,081; Dec. 7.

Lund, Nels B., Seaford, assignor to The Dorr Company, Inc., New York, N. Y. Raking mechanism for sedimentation tanks. 2,101,981; Dec. 7.

Lund, Nels B., Seaford, assignor to The Dorr Company, Inc., New York, N. Y. Sedimentation apparatus. 2,101,079; Dec. 7.

Luthy, Deborah R., et al. (See Curtis, Charles, assignor.)

Luthy, Fred A., et al. (See Curtis, Charles, assignor.)

Lux, Saul, Brooklyn, N. Y. Automatic upwardly movable door or portion thereof. 2,101,147; Dec. 7.

Lynn, Adam W. (See Woods, Hazel H., assignor.)

Lyon, George A., Allenhurst, N. J. Ornamental bead and applying the same to ornamental wheel disks. 2,101,318; Dec. 7.

Lyon, Norman W., assignor to National Bread Wrapping Machine Co., Springfield, Mass. Guide mounting for bread slicing knife frames. 2,101,402; Dec. 7.

M. J. B. Co. (See Burns, Willford E., assignor.)

Maas, Louis J. P., London, England. Dough molding machine. 2,101,621; Dec. 7.

MacDonald, Archibald V., Los Angeles, R. A. Minkler, Hawthorne, and H. Iske, Alhambra, Calif. Carton for and method of packaging furniture. 2,101,403; Dec. 7.

MacLean, Allen D., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Method and apparatus for calibrating and proving meters. 2,101,745; Dec. 7.

Maclean, Robert S., Michigan City, Ind., assignor to Mastic Asphalt Corporation. Building corner unit. 2,101,589; Dec. 7.

Madsen, Louis P., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collar and making the same. 2,101,798; Dec. 7.

Magid, Florence R., et al. (See Miller, Richard B., assignor.)

Mahle, Ernst, Stuttgart, Germany. Chill mold. 2,101,404; Dec. 7.

Mallory, Louis V., assignor of one-half to G. C. Dale, Salina, Kans. Slip socket. 2,101,815; Dec. 7.

Malmquist, Clayton W., Minneapolis, Minn. Toasting apparatus. 2,101,504; Dec. 7.

Manger, Charles F. (See Deans, F. E., Manger, and Buswell.)

Manfredi, Marlo, New York, N. Y. Friction clamp. 2,101,746; Dec. 7.

Mann, Alan N., trustee. (See Lamb, James J., assignor.)

Mann, Miles H., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Tally roll mechanism. 2,101,747; Dec. 7.

Manville, Charles J., Indianapolis, Ind. Machine projector. 2,101,148; Dec. 7.

Marbo Patents Inc. (See Gebauer-Fuelnegg, E., and Kratz, assignors.)

Marsh, Reginald E., Bronxville, N. Y., assignor to Simplon Products Corporation. Clip. 2,101,551; Dec. 7.

Marsh, Reginald E., Bronxville, N. Y., assignor to Simplon Products Corporation. Clip. 2,101,552; Dec. 7.

Marsten, Jesse, assignor to International Resistance Company, Philadelphia, Pa. Rheostat or potentiometer. 2,101,441; Dec. 7.

Martin, Erle, Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Airplane propeller. 2,101,149; Dec. 7.

Martin, Hoke. (See Extrom, J. A., and Martin.)

Martin, Michael A., Erie, Pa. Refrigerant system and apparatus. 2,101,261; Dec. 7.

Martinez B., Agustin, Mexico, D. F., Mexico. Centrifugal grinding machine. 2,101,442; Dec. 7.

Maschinenfabrik Augsburg-Nurnberg A. G. (See Becher, Theodor, assignor.)

Mashbir, Sidney F., Washington, D. C., F. G. Kear, Minersville, Pa., G. L. Davies, Cleveland, Ohio, and W. H. Orton, assignors to Washington Institute of Technology, Washington, D. C. Antenna belt. 2,101,033; Dec. 7.

Massey-Harris Company. (See Johnston, Howard M., assignor.)

Mastic Asphalt Corporation. (See Maclean, Robert S., assignor.)

Mathieson Alkali Works, Inc., The, et al. (See Extrom, J. A., and Martin, assignor.)

Mathsen, Marvin L., Wharton, N. J. Fuse. 2,101,082; Dec. 7.

Mattsson, Ernst J. M., assignor to F. Nilsson, Stockholm, Sweden. Coating iron or steel with aluminum or an alloy thereof. 2,101,553; Dec. 7.

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose etherification. 2,101,262; Dec. 7.

Maxwell, Robert W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous preparation of cellulose derivatives. 2,101,263; Dec. 7.

Mayer, George F., Chicago, Ill. Padlock. 2,101,264; Dec. 7.

Mayer, Hans. (See Baesecke, M., and Mayer.)

Mayo, Robert H., London, England. Aircraft. 2,101,743; Dec. 7.

McAllister, Robert W. (See Levine, A. A., and McAllister.)

McBride, Frank D., Philadelphia, Pa. Galvanizing composition. 2,101,816; Dec. 7.

McCracken, Leonard O., North Little Rock, Ark. Vacuum cleaner appliance. 2,101,222; Dec. 7.

McGraw-Electric Company. (See Scharf, Frank W., assignor.)

McGuigan, Louis B., Bryn Mawr, Pa. Vehicle wheel. 2,101,744; Dec. 7.

McKeever, Roy S., assignor to Smith Separator Corporation, Tulsa, Okla. Coupling. 2,101,405; Dec. 7.

McKeever, Roy S., assignor to Smith Separator Corporation, Tulsa, Okla. Pipe coupling. 2,101,406; Dec. 7.

McLaughlin, John J., et al. (See Lemieux, Felix J., assignor.)

Meckler, Samuel. (See Penslee, Otis E., assignor.)

Meinert, Willy, Brooklyn, N. Y. Air brake for aeroplanes. 2,101,443; Dec. 7.

Mercer, William J., Berkeley, Calif., assignor to American Can Company, New York, N. Y. Press gauge. 2,101,083; Dec. 7.

Mercier, Jean, Neuilly-sur-Seine, France. Shock absorber. 2,101,265; Dec. 7.

Merrell, Wm. S., Company, The. (See Rider, T. H., Shelton, and Haynes, assignors.)

Metal Lumber Corporation of New Jersey, The. (See Frick, Henry E., assignor.)

Meuche, Alfred H., Washington, D. C. Drawing and map file. 2,101,034; Dec. 7.

Meyer, Andre J., Grosse Pointe Village, assignor to Continental Motors Corporation, Detroit, Mich. Internal combustion engine and injecting device therefor. 2,101,554; Dec. 7.

Meyer, John F. (See Radtke, Bruno, assignor.)

Meyer, J. Frank. (See Simpkins, Carl R., assignor.)

Meyers, Charles J., Wilmar, assignor to W. F. Hackett, Los Angeles, Calif. Constant speed controlled drive. 2,101,084; Dec. 7.

Michel, Clarence A., and R. Winkelmeyer, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Luggage compartment lamp. 2,101,748; Dec. 7.

Miehle Printing Press & Manufacturing Company. (See Stevens, Burt D., assignor.)

Miles, Joseph W., London, England, assignor to International Business Machines Corporation, New York, N. Y. Ticket printing machine. 2,101,444; Dec. 7.

Miller, Bernice, et al. (See Miller, Richard B., assignor.)

Miller, Frank P., Meadville, Pa. Inserted blade cutter. 2,101,085; Dec. 7.

Miller, Herchael W., Davenport, Iowa. Stove top. 1,101,590; Dec. 7.

Miller, Richard B., Detroit, Mich., assignor, by mesne assignments, of fifty per cent to B. Miller, Cleveland, Ohio, and fifty per cent to F. R. Magid, Brooklyn, N. Y. Wheel for motor vehicles. 2,101,505; Dec. 7.

Miller, Robert L., et al. (See Fischer, Oliver C., assignor.)

Milligan, Robert R. D., Portland, Ind. Trailer hitch coupling. 2,101,622; Dec. 7.

Minkler, Raymond A. (See MacDonald, A. V., Minkler, and Iske.)

Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Minters, Barnet S., Elmhurst, N. Y. Supporting device. 2,101,474; Dec. 7.

Mistretta, John, New York, N. Y. Securing mechanism for automobile doors. 2,101,035; Dec. 7.

Moffitt, Oscar J., et al. (See Fischer, Oliver C., assignor.)

Moffitt, Robert C., Seattle, Wash. Internal combustion engine. 2,101,319; Dec. 7.

Monroe Calculating Machine Company. (See Overbury, Austin A., assignor.)

Monroe Calculating Machine Company. (See Walter, Edward C., assignor.)

Monroe, Daniel B., Denver, Colo. Well drilling whip stock. 2,101,185; Dec. 7.

Monsanto Chemical Company. (See Nealon, Thomas F., assignor.)

Montroy, Frank E., Los Angeles, Calif. Luminous clock. 2,101,339; Dec. 7.

Moore, Alexander D., Merwood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,101,186; Dec. 7.

Moore, Bart, Jr., San Antonio, Tex. Motor propelled wheeled roller. 2,101,150; Dec. 7.

Moore, Edmund B., Brooklyn, N. Y. Automatic constant heat electric soldering iron. 2,101,445; Dec. 7.

Moore, Harry W., Greene County, Ohio. Indicator gauge. 2,101,718; Dec. 7.

Moore, Ira A., et al. (See Fischer, Oliver C., assignor.)

Moore, Joseph G., Runcorn, England, assignor to Imperial Chemical Industries Limited. Chemical process. 2,101,223; Dec. 7.

Moore, Wiley T., U. S. Army, Wright Field, Ohio. Gun. 2,101,086; Dec. 7.

Moore, William E., Pittsburgh, and G. L. Simpson, Coraopolis, assignors to Pittsburgh Research Corporation, Pittsburgh, Pa. Air or gas conditioning apparatus. 2,101,555; Dec. 7.

Morgan, George C., Birmingham, Ala., assignor to Continental Gin Company. Linter gin rib mounting. 2,101,151; Dec. 7.

Morgan, Richard O., Evanston, Ill. Stamp support. 2,101,623; Dec. 7.

Morgan, Wayne N., Merced, Calif. Airplane engine. 2,101,556; Dec. 7.

Morland, Johan B., Langed, Nordmaling, Sweden. Alarm device for motor vehicles. 2,101,407; Dec. 7.

Morrison, Montford, Montclair, N. J., assignor to Westinghouse X-ray Company, Inc. X-ray apparatus. 2,101,152; Dec. 7.

Morrow, Eva M., and F. L. Morrow, Elgin, Ill. Making dehydrated potato chips. 2,101,506; Dec. 7.

Morrow, Forrest L. (See Morrow, E. M. and F. L.)

Morse Chain Company. (See Perry, David B., assignor.)

Morton, William A., Mount Lebanon, assignor to Amco, Incorporated, Pittsburgh, Pa. Regenerator. 2,101,817; Dec. 7.

Mudge, Karl, et al. (See Benson, Lew, assignor.)

Muller, Anthony S., Pontiac, Mich. Cutting jig. 2,101,624; Dec. 7.

Munson, Elmer L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. Copper base alloy. 2,101,087; Dec. 7.

Munson, Elmer L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. High strength corrosion resistant copper alloy. 2,101,625; Dec. 7.

Munson, Elmer L., Naugatuck, assignor to The American Brass Company, Waterbury, Conn. Hot workable copper alloys. 2,101,626; Dec. 7.

Munson, Joseph J., Houma, La. Rolling mill. 2,101,266; Dec. 7.

Murphy, P. H., & Company. (See Bonsall, Charles D., assignor.)

Muse, Marshall H., New York, N. Y. Producing electrotype plates. 2,101,591; Dec. 7.

Mussey, William H., and M. P. Blomberg, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Lightweight railway car. 2,101,557; Dec. 7.

Muth, Herbert, and W. Runge, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. B., Berlin, Germany. Electrical condenser. 2,101,153; Dec. 7.

Muzzey, David S., Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Seismic surveying method. 2,101,408; Dec. 7.

Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machine looptakers. 2,101,320; Dec. 7.

N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Dillenbach, Walter, assignor.)

N. V. Wallramit Handel Maatschappij. (See Voigtländer, Hermann, assignor.)

Nallinger, Fritz, Stuttgart, assignor to Daimler-Benz A. G., Stuttgart-Unterturkheim, Germany. Motor vehicle with compressed air cooling. 2,101,627; Dec. 7.

National Bread Wrapping Machine Co. (See Lyon, Norman W., assignor.)

National Cash Register Company, The. (See Breitling, E., and Schwenk, assignors.)

National Gypsum Company. (See Venzie, Frederick M., assignor.)

National Pecan Growers Exchange. (See Bullard, W. P., and Williams, assignors.)

Nealon, Thomas F., Boston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Processing of hydrocarbon resins. 2,101,558; Dec. 7.

Neiman, Abram, Cologne-on-the-Rhine, Germany. Safety locking device. 2,101,446; Dec. 7.

Nekoosa-Edwards Paper Company. (See Bodette, Edward T., assignor.)

Nelson, Arthur. (See Della Santina, Peter V., and F., and Nelson.)

Nenninger, Lester F. (See Ernst, H., Herfurth, and Nenninger.)

Nereshelmer, Heinrich, A. Villmeier, and R. Held, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Hydroxy compounds of the dibenzanthrone series. 2,101,321; Dec. 7.

Nestler, Edmund, Dresden, Germany. Humidifier. 2,101,267; Dec. 7.

New York Air Brake Company, The. (See Everett, Terry, assignor.)

New York Central Railroad Company, The. (See Lentz, W. L., and Kantola, assignors.)

Nicoll, B., & Company. (See Howard, William S., assignor.)

Nic Projector Corporation. (See Arden, Thomas R., assignor.)

Niebuhr, Henry J., Lewiston, Idaho. Merry-go-round. 2,101,719; Dec. 7.

Nier, Bruno, Beierfeld in Sachsen, Germany. Storm lantern. 2,101,409; Dec. 7.

Niles-Bement-Pond Company. (See Hoagland, Frank O., assignor.)

Niles-Bement-Pond Company. (See Raber, Robert R., assignor.)

Nilsson, Frans. (See Mattsson, Ernst J. M., assignor.)

Nisbet, Archibald W., Schenectady, N. Y., assignor to General Electric Company. Combined sprocket and guide wheel. 2,101,685; Dec. 7.

Nofsinger, Charles W., Orange, and P. C. Keith, Jr., Short Hills, assignors to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oils. 2,101,088; Dec. 7.

NoKoRode Company, The. (See Schmaus, Louis R., assignor.)

Norddeutsche Seekabelwerke A. G. (See Engler, J., and Studt, assignors.)

Norman, Simon, Providence, assignor to Industrial Dyestuff Company, East Providence, R. I. Manufacture of monomethyl-para-aminophenol and its sulphate. 2,101,749; Dec. 7.

Norman, Simon, Providence, assignor to Industrial Dyestuff Company, East Providence, R. I. Manufacture of monomethyl-para-aminophenol and its sulphate. 2,101,750; Dec. 7.

Norris, Kenneth T. (See Rathbun, Homer E., assignor.)

North American Holding Corporation et al. (See Eaton, Charles F., assignor.)

Northwestern Terra Cotta Corp. (See Bjorklund, John R., assignor.)

Norton Company. (See Amidon, Charles H., assignor.)

Norton Company. (See Cole, R. A., and Amidon, assignors.)

Norton Company. (See Flygare, Carl G., assignor.)

Norton Company. (See Flygare, C. G., and Silven, assignors.)

Norton Company. (See Green, Clarence J., assignor.)

Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Latex stabilization. 2,101,089; Dec. 7.

Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,101,268; Dec. 7.

Nutt, Harold, and H. V. Reed, assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Clutch plate. 2,101,410; Dec. 7.

Nutt, Harold, and H. V. Reed, assignors to Borg-Warner Corporation, Chicago, Ill. Driven clutch disk. 2,101,411; Dec. 7.

Oakes Products Corporation. (See Duncan, Charles R., assignor.)

Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Inboard roller bearing unit. 2,101,650; Dec. 7.

Offutt, Bernard M., West Barrington, R. I. Service tray. 2,101,686; Dec. 7.

Ogg, Marie Y., Lincoln Park, N. J. Novelty display. 2,101,592; Dec. 7.

Oilgear Company, The. (See Ferris, W., Douglas, and Fobian, assignors.)

Okonite Company, The. (See Jolliffe, John J., assignor.)

Olbrich, George A., Minneapolis, Minn. Silo. 2,101,036; Dec. 7.

Older, Clifford, Wilmette, Ill. Expansion joint for pavements and the like. 2,101,154; Dec. 7.

Oldham, Samuel R., Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Thermostatic speed control. 2,101,447; Dec. 7.

Oliver, Edd C., Adrian, Mich. Sawing or filing machine. 2,101,507; Dec. 7.

Olson, Archie. (See Olson, Ray and A.)

Olson, Ray and A., Kingsburg, Calif. Levee disk. 2,101,187; Dec. 7.

O'Neil, Charles M. (See Worel, Glen J., assignor.)

O'Neil, Charles M., Hopkins, Minn. Telescopic sight for guns. 2,101,037; Dec. 7.

Orcutt, Joseph W., H. A. Stearns, and T. L. Wall, Los Angeles, Calif. Game apparatus. 2,101,188; Dec. 7.

Orton, William H. (See Mashbir, S. F., Kear, Davies, and Orton.)

Osborn, Alden E., New York, N. Y. Pipe joint. 2,101,155; Dec. 7.

Osborn, Frank C., Manchester, Vt. Cigarette stub receiver and extinguisher. 2,101,593; Dec. 7.

Osborne, Harold S., Upper Montclair, and S. B. Wright, South Orange, N. J.; said Osborne assignor to American Telephone and Telegraph Company, and said Wright assignor to Bell Telephone Laboratories, Inc. Privacy system. 2,101,224; Dec. 7.

Oshei, C. H. (See Schellinger, Theodor, assignor.)

Ostlind, Oscar J., Portland, Oreg. Thermal control switch. 2,101,475; Dec. 7.

Ostrander, Allen E., Larchmont, N. Y., R. W. Joy, Berwick, Pa., and A. Kassler, assignors to American Car and Foundry Company, New York, N. Y. Hopper car. 2,101,448; Dec. 7.

Oswego Falls Corporation. (See Price, John F., assignor.)

Otis Elevator Company. (See Lewis, J. D., Waters, and Kraner, assignors.)

Overbury, Austin A., East Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,101,818; Dec. 7.

Owens, Adolphus W., Houston, Tex. Holder for optical instruments. 2,101,340; Dec. 7.

Packard Motor Car Company. (See Christman, John M., assignor.)

Padelford, Valerie B., Washington, D. C. Ice bag. 2,101,628; Dec. 7.

Palmer, George V., assignor, by mesne assignments, to Roy Lacy, Los Angeles, Calif. Composite girder construction. 2,101,090; Dec. 7.

Panther-Panco Rubber Co. Inc. (See Sheehan, Edward A., assignor.)

Papec Machine Company. (See Bullock, F. J., and Preston, assignors.)

Parker, Paul R., Brooklyn, N. Y., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Stone box. 2,101,091; Dec. 7.

Parry, Robert E., North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Impregnated asbestos product. 2,101,449; Dec. 7.

Parshad Holding Corporation et al. (See Eaton, Charles F., assignor.)

Patentverwertung Dr. Martin Günther G. m. b. H. (See Günther, M., and Eggert, assignors.)

Pateras, Pescara, Raul, Paris, France. Free piston driving gas generator. 2,101,412; Dec. 7.

Paul, Leon R., Brooklyn, assignor of one-half to G. J. Atwell, New York, N. Y. Dispensing container. 2,101,687; Dec. 7.

Payne, John H., Jr., Ballston Spa, N. Y., assignor to General Electric Company. Liquid contact switch. 2,101,092; Dec. 7.

Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Barrier for mercury switches. 2,101,093; Dec. 7.

Payne, John H., Ballston Spa, N. Y., assignor to General Electric Company. Machine for sealing receptacles. 2,101,156; Dec. 7.

Penny, Myrl N., Lawrence, Kans. Cleaner for conveyers. 2,101,751; Dec. 7.

Pensbee, Otis E., assignor of one-half to S. Meckler, St. Paul, Minn. Variable speed pulley. 2,101,504; Dec. 7.

Pepin, Charles H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for pressing soles on shoes. 2,101,189; Dec. 7.

Percy, George W., et al. (See Warren, Calvin C., assignor.)

Perry, David B., assignor to Morse Chain Company, Ithaca, N. Y. Drive chain. 2,101,341; Dec. 7.

Peter, Albin, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Arylamino anthraquinone dyestuffs and their manufacture. 2,101,094; Dec. 7.

Petersen, Henry C., Hillside, assignor to Lowres Optical Manufacturing Co., Newark, N. J. Leaf lock for ophthalmic mountings. 2,101,476; Dec. 7.

Pfanze, Charles F., University City, Mo. Duplex envelope. 2,101,342; Dec. 7.

Philley, William W., Valparaiso, Ind. Cool drink dispenser. 2,101,190; Dec. 7.

Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)

Pickett, Gerald A., McKenzie Bridge, Oreg. Gas mixer. 2,101,477; Dec. 7.

Pickles, John. (See Pickles, Robert and J. P.)

Pickles, Robert, Burnley, and J. Pickles, Fence, near Burnley, England. Manufacture of elastic threads. 2,101,752; Dec. 7.

Pierson, Alberta M., Stockton, Calif. Invalid chair. 2,101,290; Dec. 7.

Pintsch, Julius, Aktiengesellschaft. (See Wilckens, Ernst, assignor.)

Piper, William G., Cumberland, Md., assignor to Celanese Corporation of America. Carton. 2,101,282; Dec. 7.

Pitometer Log Corporation. (See Cole, Edward S., and E. S., and Hooper, assignors.)

Pittsburgh Equitable Meter Company. (See MacLean, Allen D., assignor.)

Pittsburgh Research Corporation. (See Moore, W. E., and Simpson, assignors.)

Pittsburgh Steel Company. (See Protin, Edward J., assignor.)

Pollinger, Morris D., and H. J. Watson, Los Angeles County, Calif.; said Watson assignor to said Pollinger. Display device. 2,101,450; Dec. 7.

Ponton, Fortunat, assignor to Vaughan Company, Chicago, Ill. Tensioning apparatus for meat and bone cutting machines. 2,101,343; Dec. 7.

Pool, William, Spondon, near Derby, England, assignor to Celanese Corporation of America. Circular loom. 2,101,283; Dec. 7.

Poor & Company. (See Armstrong, Victor C., assignor.)

Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Web cutting mechanism for bag machines. 2,101,191; Dec. 7.

Porter, Kirk E., assignor to The Buckeye Aluminum Company, Wooster, Ohio. Dinner pail. 2,101,281; Dec. 7.

Porter, Lewis O., Ovid, Colo. Barrel rack. 2,101,629; Dec. 7.

Potstada, George, Oakland, Calif. Corrugated slicer and detachable shredding set. 2,101,505; Dec. 7.

Power Patents Company. (See Engelke, Ernest F., assignor.)

Pressed Steel Car Company. (See Kurtz, Benjamin F., assignor.)

Pressed Steel Car Company Inc. (See Anderson, John P., assignor.)

Preston, Ward H. (See Bullock, F. J., and Preston.)

Prewitt, Sidney A., Pleasant Hill, Mo. Clamp head. 2,101,192; Dec. 7.

Price, George E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Making electrical heaters. 2,101,095; Dec. 7.

Price, John F., assignor to Oswego Falls Corporation, Fulton, N. Y. Machine for preliminarily assembling covers to containers. 2,101,291; Dec. 7.

Protin, Edward J., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Thread protector. 2,101,451; Dec. 7.

Pruitt, Raymond S., et al., trustees. (See Starkey, William C., assignor.)

Pryale, Harry M., and S. C. Clark, assignors to Baldwin Rubber Company, Pontiac, Mich. Apparatus for manufacturing mats. 2,101,508; Dec. 7.

Public in the Territory of the United States of America, Dedicated to the. (See Fulton, R. A., and Fernelius, assignors.)

Pudelko, Riccard, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Remote control system. 2,101,269; Dec. 7.

Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Blomberg, assignors.)

Raber, Robert R., West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y. Abrasive wheel. 2,101,193; Dec. 7.

Radabaugh, Tom B., West Milton, Ohio. Passbook or the like. 2,101,292; Dec. 7.

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Finch, J. L., and Young, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Linsell, Alfred A., assignor.)

Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)

Radio Corporation of America. (See Tolson, W. A., and Duncan, assignors.)

Radtke, Bruno, Libertyville, assignor to J. F. Meyer, Chicago, Ill. Dashpot. 2,101,194; Dec. 7.

Railley Corporation. (See Hain, Harry D., assignor.)

Rainier Pulp & Paper Company. (See Vicary, Edward H., assignor.)

Rall, Harry T. (See Smith, H. M., and Rall.)

Ralston, Anderson W., assignor to Armour and Company, Chicago, Ill. Mixed thienyl-alkyl ketones. 2,101,560; Dec. 7.

Ralston, Anderson W., and C. W. Christensen, assignors to Armour and Company, Chicago, Ill. Carbazole-alkyl ketones. 2,101,559; Dec. 7.

Rambold, Adolf, Dresden-Laubegast, Germany. Production of wrappers. 2,101,225; Dec. 7.

Rambold, Adolf, Dresden, Germany. Producing perforations of small diameter in bands of cellulose foil, metal foil, and the like. 2,101,753; Dec. 7.

Randall, Anna M. (See Randall, Laurence H., assignor.)

Randall Company, The. (See Waddell, Edgar S., assignor.)

Randall, Howard D., Cincinnati, Ohio. Manufacturing paper clips. 2,101,195; Dec. 7.

Randall, Laurence H., Lakeland, assignor of one-half to A. M. Randall, Daytona Beach, Fla. Carriage release for lathes. 2,101,754; Dec. 7.

Raney, Clemma R. (See Lindgren, A. C., and Raney.)

Ransohoff, Nathan, Cincinnati, Ohio. Tumbling mill. 2,101,196; Dec. 7.

Rapp, Theodore, Los Angeles, Calif. Automatic weighing and packaging machine. 2,101,561; Dec. 7.

Räsänen, Isak, Helsingfors, Finland. Stove for domestic purposes. 2,101,509; Dec. 7.

Rath, Julius, Lippstadt, Germany. Machine for producing ropes from steel wires. 2,101,630; Dec. 7.

Rathbun, Homer E., assignor to K. T. Norris, Los Angeles, Calif. Umbrella structure. 2,101,510; Dec. 7.

Rauch, Konrad, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y. Recording scale. 2,101,452; Dec. 7.

Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)

Rechnitzer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tone control device. 2,101,688; Dec. 7.

Redinger, Joseph M., Johnston, R. I. Lathe tool post. 2,101,157; Dec. 7.

Redinger, Joseph M., Johnston, R. I. Lathe tool and holder therefor. 2,101,158; Dec. 7.

Reece, Wade W., assignor to The W. E. Long Company, Chicago, Ill. Apparatus for cooling bread. 2,101,651; Dec. 7.

Reed, Harold V. (See Nutt, H., and Reed.)

Reed, Harold V., assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch. 2,101,293; Dec. 7.

Reed Propeller Co., The. (See Chilton, Roland, assignor.)

Reed, Robert F., Cincinnati, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y. Method and apparatus for measuring properties of inks and the like. 2,101,322; Dec. 7.

Reich, Frederick, Elizabeth, N. J. Adjustable templet. 2,101,478; Dec. 7.

Reichenbach, Howard F., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Adjustable holder for lipsticks and the like. 2,101,596; Dec. 7.

Renette Company. (See Blettner, George H., assignor.)

Reuter, Raymond, Upper Aetna Lake, Medford Lakes, N. J., and F. L. Gaus, assignors to The Atlantic Refining Company, Philadelphia, Pa. Production of mercaptans. 2,101,096; Dec. 7.

Reynolds, Damian L., Burlingame, Calif. Carrier vehicle structure. 2,101,344; Dec. 7.

Rhodes, Margerie C., New York, N. Y. Diaper. 2,101,453; Dec. 7.

Rice, Cyrus W., Pittsburgh, Pa. Treatment of boiler water. 2,101,197; Dec. 7.

Rice, Owen R., assignor to Freyn Engineering Company, Chicago, Ill. Blowpipe. 2,101,270; Dec. 7.

Rich, Chester A., assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio. Lockable ironing board. 2,101,597; Dec. 7.

Rich Pump & Ladder Company, The. (See Rich, Chester A., assignor.)

Richardson, Harry H., Hamilton, Ontario, Canada. Drawing die. 2,101,689; Dec. 7.

Rider, Theodore H., Mariemont, and R. Shelton and J. Haynes, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio. Products for rendering the urine bacteriostatic. 2,101,097; Dec. 7.

Riedel, William, Lansdowne, Md. Nonreusable bottle. 2,101,598; Dec. 7.

Riley, Lee H., University City, Mo. Electrical connecter plug. 2,101,345; Dec. 7.

Riley Stoker Corporation. (See Kuhner, Max H., assignor.)

Robertson, Benjamin C., Los Angeles, Calif. Ball bearing mounting. 2,101,346; Dec. 7.

Robinette, Willard C., Pasadena, Calif. Tap. 2,101,347; Dec. 7.

Robins, Edward, Farnham, England. Lock. 2,101,562; Dec. 7.

Robinson, Charles S. (See Hall, Tom, assignor.)

Robinson, William C., Bell, Calif. Air gun. 2,101,198; Dec. 7.

Robles, Benjamin, Palmira, Chuva, Guatemala. Safety exposure recorder for cameras. 2,101,652; Dec. 7.

Rocard, Yves, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Triode oscillator and the like. 2,101,563; Dec. 7.

Rock-Ola Manufacturing Corporation. (See Williams, Harry E., assignor.)

Roehrich, Victor H., St. Paul, Minn. Extractor. 2,101,819; Dec. 7.

Roessler, Georg. (See Frankenburger, W., Hammerschmid, and Roessler.)

Rogers, Clifford R., Oak Park, Ill., assignor to International Harvester Company. Front idler wheel for crawler tractors. 2,101,454; Dec. 7.

Röhm, Otto, Darmstadt, Germany. Sole leather and preparing the same. 2,101,511; Dec. 7.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminair. 2,101,199; Dec. 7.

Roosenstein, Hans O. (See Klotz, E., Wilhelm, and Roosenstein.)

Root, Donald S., et al. (See Taylor, Wesley, assignor.)

Rose, Ernest, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y. Group selector for sorting machines. 2,101,455; Dec. 7.

Rose, Ernest, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y. Selector for sorting machines. 2,101,456; Dec. 7.

Rosenberg, Philip S. (See Saunders, L. P., and Rosenberg.)

Rosenmund, Alfred L., Rockaway, N. J., assignor to Stapling Machines Co. Box making machine. 2,101,457; Dec. 7.

Rosenstone, Samuel D., Passaic, and C. Ackerman, Hackensack, N. J. Slicing machine. 2,101,755; Dec. 7.

Ross, Raymond O., Portland, Oreg. Garment hanger. 2,101,294; Dec. 7.

Rowland, Clarence G., Newington Junction, assignor to The Fuller Brush Company, Hartford, Conn. Brush. 2,101,799; Dec. 7.

Royal Bond, Inc. (See Landau, Argo E., assignor.)

Royal, Joseph N. (See Dreux, A. H., and Royal.)

Rulon, Watson B., Atlantic City, N. J. Refrigerator. 2,101,512; Dec. 7.

Runge, Wilhelm. (See Muth, H., and Runge.)

Rupright, Howard J. (See Wass, H. W., and Rupright.)

Rusk, Edwin M., Seattle, Wash. Apparatus for air floatation separation. 2,101,295; Dec. 7.

Ruskin, Frances R. (See Ruskin, Simon L., assignor.)

Ruskin, Simon L., assignor to F. R. Ruskin, New York, N. Y. Manganese compounds of nucleotides and of their hydrolytic decomposition products. 2,101,099; Dec. 7.

Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Making electric heating units and resultant product. 2,101,098; Dec. 7.

Rust, John D. and M. D., Memphis, Tenn. Cotton picking machine. 2,101,100; Dec. 7.

Rust, Mack D. (See Rust, John D. and M. D.)

Ryan, Leon H., assignor to Delaware Rayon Company, New Castle, Del. Manufacture of artificial silk. 2,101,720; Dec. 7.

Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Trimming device. 2,101,458; Dec. 7.

Salzberg, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monoamides of dicarboxylic acids and preparing the same. 2,101,323; Dec. 7.

Sambleson, Robert F., Bridgeport, Conn., assignor to General Electric Company. Liquid contact circuit closer. 2,101,101; Dec. 7.

Samuelson, Hjalmar, Oslo, and J. de R. Kielland, Vinderen, near Oslo, Norway. Coin sorting device. 2,101,513; Dec. 7.

Sandlant, Harry, Wellington, New Zealand. Holding and serving machine for ice cream or the like. 2,101,599; Dec. 7.

Sandul, Amil, assignor of one-half to P. Baldwin, Humboldt, Minn. Automatic trailer brake appliance. 2,101,600; Dec. 7.

Sarff, Evert O., Roseburg, Oreg. Tractor construction. 2,101,631; Dec. 7.

Satz, William, New York, N. Y. Brief case construction. 2,101,459; Dec. 7.

Sauer, Albert H., Jr., Cincinnati, Ohio. Wrist watch guard. 2,101,600; Dec. 7.

Saunders, Laurence P., and P. S. Rosenberg, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich. Radiator cap. 2,101,756; Dec. 7.

Sayour, Elias, Brooklyn, N. Y. House coat. 2,101,564; Dec. 7.

Schaeffer, Edward G., New York, N. Y., assignor to C. E. Bowers, Washington, D. C. Doll. 2,101,102; Dec. 7.

Scharf, Frank W., Western Springs, assignor to McGraw Electric Company, Chicago, Ill. Electric water heater. 2,101,691; Dec. 7.

Scharfenberg, Karl, Berlin-Nicolassee, Germany. Spring. 2,101,721; Dec. 7.

Schellens, Christopher A., Marblehead, Mass., assignor to C-S Engineering Company, Englewood, N. J. Impeller for centrifugel pumps. 2,101,653; Dec. 7.

Schellinger, Theodor, assignor to C. H. Oshei, Detroit, Mich. Radiator or gas tank cap lock. 2,101,348; Dec. 7.

Schenk, Cleveland H., Springfield, Ill. Night target range finder. 2,101,479; Dec. 7.

Schmaus, Louis R., assignor to The NoKoRode Company, Milwaukee, Wis. Pipe thread protector. 2,101,514; Dec. 7.

Schmid, Joseph. (See Brunnhuber, J., and Schmid.)

Schmidt, Ulrich, Berlin-Wilmersdorf, Germany. Sound muffling device. 2,101,460; Dec. 7.

Schmitter, Walter P., assignor to The Falk Corporation, Milwaukee, Wis. Geared motor. 2,101,515; Dec. 7.

Schneider, Henry F., et al. (See Fischer, Oliver C., assignor.)

Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Brake shoe guide. 2,101,692; Dec. 7.

Schreiber, Louis J. J., Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Substation telephone apparatus. 2,101,271; Dec. 7.

Schultz, Edward, Evansville, Ind. Bolting machine. 2,101,722; Dec. 7.

Schumacher, Heinrich, assignor to Fein-Maschenin bau-gesellschaft m. b. H., Berlin, Germany. Shock absorber. 2,101,757; Dec. 7.

Schutt, Hermann C. (See Cooke, M. B., Schutt, and Throckmorton.)

Schutt, Hermann C., North Tarrytown, N. Y., assignor, by mesne assignments, to Gyro Process Company, Detroit, Mich. Cracking hydrocarbon oils. 2,101,800; Dec. 7.

Schwenk, Hans. (See Breitling, E., and Schwenk.)

Scofield, Gilbert J., Loudonville, N. Y. Vending machine construction. 2,101,420; Dec. 7.

Scott, Herbert J., Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Combined magnetostriction and piezoelectric selective device. 2,101,272; Dec. 7.

Scott, Walter H. (See Warnick, P., and Scott.)

Scribner, William L., and T. V. Buckwalter, assignors to The Timken Roller Bearing Company, Canton, Ohio. Apparatus for cold rolling axle journals. 2,101,516; Dec. 7.

Sealed Joints Products Co. (See Duffy, Charles G., assignor.)
Sealtest System Laboratories, Inc. (See Whitaker, R., Weisberg, and Hilker, assignors.)
Seebach, Fritz. (See Elbel, E., and Seebach.)
Seeburg, J. P., Corporation. (See Johnson, Carl G., assignor.)
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,101,517; Dec. 7.
Serbell, Victor. (See Godfrey, T. M., and Serbell.)
Shaffer, Phillip, Mitchell, Nebr. Electromagnetic gas tank lock. 2,101,758; Dec. 7.
Shakespeare Products Company. (See Weber, Herman, assignor.)
Sharp, Henry J., Emsworth, assignor to Commonwealth Trust Company, trustee, Pittsburgh, Pa. Joining lengths of metal. 2,101,349; Dec. 7.
Sheaffer, W. A., Pen Company. (See Wright, Howard S., assignor.)
Sheehan, Edward A., Stoughton, assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass. Machine for finishing molded articles of rubber. 2,101,654; Dec. 7.
Shell Development Company. (See Chonette, W. C., and Hamilton, assignors.)
Shell Development Company. (See Groll, Herbert P. A., assignor.)
Shell Development Company. (See Muzzey, David S., Jr., assignor.)
Shellmar Products Company. (See Engel, William H., assignor.)
Shelton, Robert. (See Rider, T. H., Shelton, and Haynes.)
Shields, Wendell H., Grand Rapids, Mich. Steaming and pressing machine. 2,101,655; Dec. 7.
Shute, Alfred J. (See Jensen, J. W., and Shute.)
Siemens & Halske, Aktiengesellschaft. (See Baesecke, M., and Mayer, assignors.)
Silven, Herbert A. (See Glygare, C. G., and Silven.)
Simms, Frederick R. (See L'Orange, Rudolf, assignor.)
Simpkins, Carl R., Inglewood, assignor to J. F. Meyer, Flintridge, Calif. Game apparatus. 2,101,201; Dec. 7.
Simplex Time Recorder Company. (See Watkins, E. G., and Dell, assignors.)
Simplon Products Corporation. (See Marsh, Reginald E., assignor.)
Simpson Electric Company. (See Simpson, R., and Koch, assignors.)
Simpson, Emory G., and A. C. Andersen, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Seat adjuster. 2,101,350; Dec. 7.
Simpson, George L. (See Moore, W. E., and Simpson.)
Simpson, Lewis, Monterey Park, Calif. Lifesaving chute. 2,101,284; Dec. 7.
Simpson, Ray, River Forest, and G. H. Koch, assignors to Simpson Electric Company, Chicago, Ill. Electrical measuring instrument. 2,101,296; Dec. 7.
Sinclair Refining Company. (See Cole, Joseph, assignor.)
Sindl, Otto, Paris, France, and G. Frank, Moedling, near Vienna, Austria, assignors to "Afag" Finanzierungs A. G., Schaffhausen, Switzerland. Producing mixed cellulosic esters. 2,101,413; Dec. 7.
Singer Manufacturing Company, The. (See Eames, G. M., and Stewart, assignors.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Sinko, John, Chicago, Ill. Cigar lighter. 2,101,601; Dec. 7.
Sinko, John, Chicago, Ill. Cigar lighter. 2,101,602; Dec. 7.
Slayback, Roy R., Decatur, Ill. Aeroplane. 2,101,351; Dec. 7.
Smart, Clarence F., assignor to General Motors Corporation, Pontiac, Mich. Bearing. 2,101,759; Dec. 7.
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, David F., Takoma Park, Md. Apparatus for clarifying saccharine liquids. 2,101,480; Dec. 7.
Smith, Edward W., Melrose, assignor to Submarine Signal Company, Boston, Mass. Treating milk. 2,101,103; Dec. 7.
Smith, Elmer, Shreveport, La. Athletic shoe. 2,101,723; Dec. 7.
Smith, Harold M., and H. T. Rall, Bartlesville, Okla. Catalyst for hydrogenating hydrocarbons. 2,101,104; Dec. 7.
Smith, Harvey H., Columbus, Ohio. Wrench. 2,101,760; Dec. 7.
Smith Separator Corporation. (See McKeever, Roy S., assignor.)
Smith, Wallace D., Kalamazoo, Mich. Massage instrument for treating the prostate gland. 2,101,273; Dec. 7.
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Smithwick, Thomas F. (See Bennett, Melvin C., assignor.)
Smutny, Theodore J., assignor to Collegiate Manufacturing Co., Inc., New York, N. Y. Lady's undergarment. 2,101,604; Dec. 7.
Snell, Edgar W., San Francisco, Calif. Apparatus for establishing a standard cranial point of orientation. 2,101,105; Dec. 7.
Snelling, Nicholas, Jackson Heights, Long Island, N. Y. Can marking and displaying device. 2,101,565; Dec. 7.
Societe Anonyme Adolphe Saurer. (See Wiget, Georg, assignor.)
Société Anonyme Société des Freins Hydrauliques S. de Lavaud. (See Brisson, Louis C., assignor.)
Soloway, Herman M., et al. (See Crewdson, Sarah M., assignor.)
Sondelbeck, Leo V., et al. (See Fischer, Oliver C., assignor.)
Sonntag, Alfred, Moline, Ill., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y. Leakage compensator for pumping systems. 2,101,226; Dec. 7.
Spanagel, Edgar W. (See Hill, J. W., and Spanagel.)
Spangler, Henry R., Denver, Colo. Cigarette extinguisher. 2,101,200; Dec. 7.
Sprecker, Alfred L., Freeport, assignor to International Business Machines Corporation, New York, N. Y. Communication system. 2,101,421; Dec. 7.
Square D Company. (See Van Valkenburg, Hermon L., assignor.)
Stagl, Charles. (See Stagl, Joseph E., assignor.)
Stagl, Joseph E., deceased, assignor to C. Stagl. Metatarsal rubber cushion rest. 2,101,761; Dec. 7.
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Stanley, Frank. (See Bellingham, L., and Frank and G. F. Stanley.)
Stanley, Gilbert F. (See Bellingham, L., and Frank and G. F. Stanley.)
Stanzel, Victor, Schulenburg, Tex. Amusement ride device. 2,101,274; Dec. 7.
Stapling Machines Co. (See Rosenmund, Alfred L., assignor.)
Star Expansion Bolt Company. (See Hungerford, Daniel C., assignor.)
Starkey, William C., Indianapolis, Ind., assignor, by mesne assignments, to W. C. Starkey, R. S. Pruitt, and W. H. Beal, trustees. Automotive driving mechanism. 2,101,275; Dec. 7.
Stearns, Harry A. (See Orcutt, J. W., Stearns, and Wall.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,101,656; Dec. 7.
Stein, Harold J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Heat treating container. 2,101,481; Dec. 7.
Stevens, Burt D., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Dampening mechanism for printing presses. 2,101,202; Dec. 7.
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammer. 2,101,159; Dec. 7.
Stevens, Edwin F., St. Paul, Minn. Tubular interlocking piling. 2,101,285; Dec. 7.
Stevens, William H. N., Columbus, Ohio. Combined canteen, cooking, and mess kit. 2,101,414; Dec. 7.
Stewart, Hugh T., assignor to The Garlock Packing Company, Palmyra, N. Y. Metallized fibrous packing. 2,101,518; Dec. 7.
Stewart, Robert W. (See Eames, G. M., and Stewart.)
Stienen, Ernest A., New York, N. Y. Extracting and drying system. 2,101,461; Dec. 7.
Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Newark, N. J. Superheater boiler. 2,101,106; Dec. 7.
Stimson, Samuel C., assignor to The Bahnson Company, Winston-Salem, N. C. Humidifier. 2,101,603; Dec. 7.
Strain, Daniel E., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Molding compositions and molding. 2,101,107; Dec. 7.
Straub, Alvin L., Tomball, Tex. Air gun. 2,101,762; Dec. 7.
Stuart, Cameron A., Hettinger, N. Dak. Sealing device. 2,101,415; Dec. 7.
Studt, Ernst. (See Engler, J., and Studt.)
Sturm, Frank X., Sr., Jasper, Ind. Glove. 2,101,763; Dec. 7.
Submarine Signal Company. (See Smith, Edward W., assignor.)
Swart, Harry A., San Marino, Calif. Game. 2,101,764; Dec. 7.
Swennes, Benjamin A., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Friction clutch plate. 2,101,297; Dec. 7.
Swift, Claude E. (See Bray, U. B., and Swift.)
Szabo, Alexander, Linden, N. J. Twin marble skill game. 2,101,657; Dec. 7.
Szabo, Alexander, Linden, N. J. Ball return amusement device. 2,101,658; Dec. 7.
Takenaga, Frank Y., Anaheim, Calif. Dehydrator. 2,101,352; Dec. 7.
Tappan Stove Company, The. (See Hoff, John G., assignor.)
Taraci, Joseph, East Elmhurst, Long Island, N. Y. Shoe structure. 2,101,693; Dec. 7.
Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Weld efficiency indicator. 2,101,108; Dec. 7.

Taylor, Wesley, New York, assignor of thirty-eight one-hundredths to D. S. Root, Bronxville, nineteen one-hundredths to G. Atkinson, and five one-hundredths to W. C. Du Bois, New York, N. Y. Calculator. 2,101,298; Dec. 7.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bartels, Hans, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Klotz, E., Wilhelm, and Roosenstein, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, August, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Muth, H., and Runge, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)
Teletypesetter Corporation. (See Walden, Lester M., assignor.)
Tenney, Perry L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Automotive transmission. 2,101,765; Dec. 7.
Ternstedt Manufacturing Company. (See Simpson, E. G., and Andersen, assignors.)
Texas Company, The. (See Grabame, James H., assignor.)
Textile Machine Works. (See Ischinger, Alfred E., assignor.)
Theunissen, Heinrich, Kaldenkirchen, Germany. Producing double warp pile fabrics with figured backs. 2,101,286; Dec. 7.
Thompson, Earl A., assignor to General Motors Corporation, Detroit, Mich. Synchronized power transmission mechanism. 2,101,827; Dec. 7.
Thompson, Earl A., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Synchronizing clutch mechanism. 2,101,826; Dec. 7.
Thompson, Earl A., Portland, Oreg., assignor to General Motors Corporation, Detroit, Mich. Automatic gear shifting mechanism. 2,101,825; Dec. 7.
Thompson Manufacturing Co. (See Height, Lewis H., assignor.)
Thomson, William R., Toronto, Ontario, Canada. Method of and apparatus for the extraction of liquid from materials. 2,101,109; Dec. 7.
Thornton, Frank, Jr., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating unit. 2,101,110; Dec. 7.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Steering wheel spinner knob. 2,101,519; Dec. 7.
Throckmorton, John W. (See Cooke, M. B., Schutt, and Throckmorton.)
Timken Roller Bearing Company, The. (See Assel, Walter J., assignor.)
Timken Roller Bearing Company, The. (See Scribner, W. L., and Buckwalter, assignors.)
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to A. H. Tinnerman, Cleveland, Ohio. Fastening device. 2,101,287; Dec. 7.
Toison, William A., Erlton, and J. R. Duncan, Camden, N. J., assignors to Radio Corporation of America. Oscillator for use with kinescope deflecting circuits. 2,101,520; Dec. 7.
Tomahawk Kraft Paper Company et al. (See Extrom, J. A., assignor, and Martin.)
Tonjum, Mary, et al. (See Lemieux, Felix J., assignor.)
Topiel, Abraham, New York, N. Y. Trimming material. 2,101,521; Dec. 7.
Toulmin, Harry A., Jr., assignor to Business Corners, Inc. of Delaware, Dayton, Ohio. Measuring instrument. 2,101,203; Dec. 7.
Townend, Hubert C. H., Teddington, assignor to Boulton Paul Aircraft Limited, Norfolk, England. Air cooled aero engine. 2,101,724; Dec. 7.
Traficante, Joseph, Hoboken, N. J. Table top. 2,101,725; Dec. 7.
Traute, Henry C., Monmouth Beach, N. J., assignor to The Diamond Match Company, Wilmington, Del. Match packet. 2,101,111; Dec. 7.
Tschantre, Julius, New City, N. Y. Animal trap. 2,101,482; Dec. 7.
Tucker, Martha E., Grand Rapids, Mich. Chocolate malted milk food product and forming same. 2,101,374; Dec. 7.
Tyden, Emil, Hastings, Mich. Sprinkler head. 2,101,694; Dec. 7.
Tyler, Paul J., et al. (See Lawler, Frank P., assignor.)
Tyler, Waldo E., Kansas City, Mo., T. B. Douglas, Houston, Tex., P. R. Chamberlain, and R. A. Loveland, Dewey, Okla., assignors to Dewey Portland Cement Company, Kansas City, Mo. Cement. 2,101,299; Dec. 7.
Udylite Company. (See Henricks, John A., assignor.)
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Underwood Elliott Fisher Company. (See Mann, Miles H., assignor.)
Union Carbide and Carbon Corporation. (See Burgess, Charles O., assignor.)
Union Carbide and Carbon Corporation. (See Groff, Frazier, assignor.)
Union Carbide and Carbon Corporation. (See Oldham, Samuel R., assignor.)
Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
Union Switch & Signal Company, The. (See Crago, Paul H., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See Moore, Alexander D., assignor.)
Union Switch & Signal Company, The. (See Vantassel, Harry C., assignor.)
Union Switch & Signal Company, The. (See Williamson, Kenneth T., assignor.)
United Aircraft Corporation. (See Lee; John G., assignor.)
United Aircraft Corporation. (See Martin, Erle, assignor.)
United Shoe Machinery Corporation. (See Blanchard, Benjamin B., assignor.)
United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Pepin, Charles H., assignor.)
United States Steel Corporation. (See Kinsley, Carl, assignor.)
United States Gauge Company. (See Klein, M., and Willach, assignors.)
Universal Oil Products Company. (See Seguy, Jean D., assignor.)
Vale, Baldwin, San Francisco, Calif. Fire escape. 2,101,659; Dec. 7.
Van Cleef Bros. (See Wonder, Charles E., assignor.)
Vanderpool, Wade, assignor of one-half to D. Wakefield, Stevenson, Wash. Nonfouling drill. 2,101,566; Dec. 7.
Vanderveld, Anthony, Grand Rapids, Mich. Powder dispenser. 2,101,375; Dec. 7.
Vantassel, Harry C., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,101,204; Dec. 7.
Van Valkenburg, Hermon L., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Contactor construction. 2,101,288; Dec. 7.
Van Zijp, Antonius J., Haarlem, assignor to Koninklijke Nederlandsche Hoogovens en Staalfabrieken N. V., Ijmuiden, Netherlands. Manufacture of molds used for casting metal pipes and the like by the centrifugal method. 2,101,726; Dec. 7.
Varian, Russell H., San Francisco, Calif., assignor to Farnsworth Television Incorporated. Grid. 2,101,462; Dec. 7.
Vaughan Company. (See Ponton, Fortunat, assignor.)
Venzie, Frederick M., Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y. Wall construction. 2,101,416; Dec. 7.
Vermette, Denis, Montreal, Quebec, Canada. Clutch mechanism. 2,101,484; Dec. 7.
Verpackungsbedarf G. m. b. H. (See Augustin, Johann G. F., assignor.)
Vicary, Edward H., Port Angeles, Wash., assignor to Rainier Pulp & Paper Company, San Francisco, Calif. Apparatus for the utilization of the heat of flue gases of a furnace to heat a liquid. 2,101,112; Dec. 7.
Victoreen, Charles H., Cleveland, Ohio. Illuminating device. 2,101,289; Dec. 7.
Vilsmeier, Anton. (See Neresheimer, H., Vilsmeier, and Held.)
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for measuring liquid or fluent materials. 2,101,257; Dec. 7.
Vogel, Max, Frankfort-on-the-Main, Germany. Stapling machine for closing flaps of cartons and the like. 2,101,660; Dec. 7.
Voigtländer, Hermann, Essen, Germany, assignor to N. V. Wallramit Handel Maatschappij, Rotterdam, Netherlands. Percussive boring tool. 2,101,376; Dec. 7.
Vorwerk & Co. (See Gorissen, Engelbert, assignor.)
Vulcan Rail and Construction Company. (See Ewing, Wylie B., assignor.)
Waalkes, Gerrit, Highland Park, Mich., assignor to Anchor Steel and Conveyor Company. Conveyer mechanism. 2,101,353; Dec. 7.
Waddell, Edgar S., assignor to The Randall Company, Cincinnati, Ohio. Awning structure. 2,101,695; Dec. 7.
Wagler, Mann E., assignor to Hunter Tractor & Machinery Co., Milwaukee, Wis. Auxiliary moldboard attachment for plows. 2,101,661; Dec. 7.
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wagner, Heinrich, Mannheim, M. Zabel and A. Ensslin, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Producing two-color effects on skins or furs. 2,101,696; Dec. 7.
Wahlin, Fritz. (See Bramsen, S., and Wahlin.)
Wakefield, Dee. (See Vanderpool, Wade, assignor.)

Walden, Lester M., Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Control unit for linecasting machines. 2,101,113; Dec. 7.

Waldvogel, Albert C., Richmond Heights, Mo. Roasting apparatus. 2,101,417; Dec. 7.

Waldvogel, Albert C., Richmond Heights, Mo. Caffeine collector. 2,101,418; Dec. 7.

Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Fluid flow electric switch and method of and apparatus for manufacture of same. 2,101,114; Dec. 7.

Walker, Warren R., Short Hills, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric switch of the fluid flow type. 2,101,115; Dec. 7.

Wall, Thomas L. (See Orcutt, J. W., Stearns, and Wall.)

Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,101,766; Dec. 7.

Walter, Edward C., assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,101,767; Dec. 7.

Walter, William J., Mishawaka, Ind. Toy airplane. 2,101,276; Dec. 7.

Wals, Richard F. (See Lemmon, W. S., Fitch, and Wals.)

Wappler, Frederick C., New York, N. Y. Miniature electric lamp. 2,101,277; Dec. 7.

Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Seal for percolators. 2,101,324; Dec. 7.

Warnick, Paul, and W. H. Scott, assignors to J. L. Berggren, Chicago, Ill. Electric motor. 2,101,116; Dec. 7.

Warren, Calvin C., assignor of one-third to E. Amacher and one-third to G. W. Percy, South Dayton, N. Y. Method and apparatus for molding seamless hollowware articles. 2,101,768; Dec. 7.

Washington Institute of Technology. (See Mashbir, S. F., Kear, Davies, and Orton, assignors.)

Wass, Harold W., and H. J. Rupright, assignors to The Dow Chemical Company, Midland, Mich. Vat dye composition. 2,101,828; Dec. 7.

Waterbury Buckle Company, The. (See La Vigne, Jerome E., assignor.)

Waters, Harold. (See Lewis, J. D., Waters, and Krauer.)

Watkins, Edward G., and J. A. Dell, assignors to Simplex Time Recorder Company, Gardner, Mass. Workman's time recorder. 2,101,205; Dec. 7.

Watson, Charles B., assignor of forty-nine per cent to F. G. Johnson, Omaha, Nebr. Traffic signal system. 2,101,697; Dec. 7.

Watson, Harry J. (See Pollinger, M. D., and Watson.)

Watts, Roy T. (See Goldbert, M. L., and Watts.)

Weber, Heinrich, assignor to Klangfilm G. m. b. H., Berlin, Germany. Recording of electrical impulses. 2,101,419; Dec. 7.

Weber, Herman, assignor to Shakespeare Products Company, Kalamazoo, Mich. Control device. 2,101,160; Dec. 7.

Weil, André, Paris, France, assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of krypton and xenon by separation from atmospheric air. 2,101,300; Dec. 7.

Weinrich, William W., assignor to Gulf Research and Development Company, Pittsburgh, Pa. Lubricating bearing surfaces. 2,101,632; Dec. 7.

Weisbecker, Frank G., Glenside, assignor to Arcadia Hosiery Co., Lansdale, Pa. Knitting machine. 2,101,801; Dec. 7.

Weisberg, Samuel M. (See Whitaker, R., Weisberg, and Hilker.)

Weldon, Walter S., Maryland Heights, Mo. Curtain tie-back securing device. 2,101,377; Dec. 7.

Wellmar, Sven, Stockholm, Sweden. Method and apparatus for drying cellulose and like material in a continuous web. 2,101,301; Dec. 7.

Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Making ribbed separators. 2,101,206; Dec. 7.

Werntz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polycarboxylic acid esters of polyunsaturated higher alcohols. 2,101,227; Dec. 7.

Wescott, Jay V., et al. (See Wright, William, assignor.)

Western Electric Company. (See Earp, Charles W., assignor.)

Western Electric Company. (See Franz, Erwin E., assignor.)

Western Electric Company. (See Schreiber, Louis J. J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Laidig, Alfred H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Price, George E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, Jr., assignor.)

Westinghouse Electric and Manufacturing Company. (See Woodside, Cornelius S., assignor.)

Westinghouse X-Ray Company. (See Morrison, Montford, assignor.)

Westmoreland, Andrew J., Florence, Ala. Sweeper attachment for motor vehicles. 2,101,769; Dec. 7.

Weston, Milton T., Keansburg, N. J. Mechanical control device. 2,101,117; Dec. 7.

Whitaker, Randall, S. M. Weisberg, and L. D. Hilker, Baltimore, Md., assignors to Sealtest System Laboratories, Inc., New York, N. Y. Food product and making same. 2,101,633; Dec. 7.

White, Clarence W., North Bennington, Vt. Carton. 2,101,522; Dec. 7.

Whiteman, Arthur, New York, N. Y. Slide staining and heating rack. 2,101,161; Dec. 7.

Whitman, Henry L., Los Angeles, Calif. Aluminum alloy. 2,101,118; Dec. 7.

Wico Electric Company. (See Harmon, Kenneth A., assignor.)

Wiegand, Kurt, Hohenneuendorf, near Berlin, and A. Koenig, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Socket for tubular lamps. 2,101,662; Dec. 7.

Wierschem, Anton A., et al. (See Fischer, Oliver C., assignor.)

Wierschem, Mamie, et al. (See Fischer, Oliver C., assignor.)

Wiget, Georg, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland. Shuttle box mechanism for looms. 2,101,663; Dec. 7.

Wilckens, Ernst, Berlin-Sudende, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany. Apparatus for signaling with ultrashort waves. 2,101,785; Dec. 7.

Wilcolator Company, The. (See Fonseca, Edward L., assignor.)

Wilder, Thomas B., Aberdeen, N. C. Impression seal. 2,101,119; Dec. 7.

Wilhelm, Karl. (See Klotz, E., Wilhelm, and Roosenstein.)

Wilkening, Frederick W., Narberth, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston ring. 2,101,120; Dec. 7.

Wilkening Manufacturing Company. (See Wilkening, Frederick W., assignor.)

Willach, Bernhard. (See Klein, M., and Willach.)

Willard, Louis E., assignor of fifty-one per cent to J. M. Hanford, Dallas, Tex. Testing machine for shock absorbers and the like. 2,101,228; Dec. 7.

Willard Manufacturing Corporation. (See Gegenheimer, William, assignor.)

Willard Storage Battery Company. (See Wells, Leland E., assignor.)

Williams, Bradlee W., and H. S., assignors to Bally Manufacturing Co., Chicago, Ill. Amusement game. 2,101,302; Dec. 7.

Williams, Frank W. (See Kittredge, H. G., and Williams.)

Williams, Harry E., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,101,354; Dec. 7.

Williams, Homer S. (See Williams, Bradlee W., and H. S.)

Williams, Oswell L. (See Bullard, W. P., and Williams.)

Williams, Othneil G., assignor to William L. Gilbert Clock Corporation, Winsted, Conn. Clock door. 2,101,325; Dec. 7.

Williamson, Kenneth T., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Battery charging apparatus. 2,101,207; Dec. 7.

Williamson, Marshall L., Edgewater, N. J. Locking means for joining sheet material. 2,101,303; Dec. 7.

Willis, Richard M., Mobile, Ala. Toilet fixture. 2,101,523; Dec. 7.

Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Mine car. 2,101,208; Dec. 7.

Winchester Repeating Arms Company. (See Burton, Frank F., assignor.)

Winfield, Edward A., La Canada, assignor to California Machinery & Supply Co., Ltd., Los Angeles, Calif. Automatic throttle control. 2,101,605; Dec. 7.

Wing, Dee A., Detroit, Mich. Ornamental reflector and sign. 2,101,162; Dec. 7.

Winkelmeyer, Robert. (See Michel, C. A., and Winkelmeyer.)

Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Rectifying system. 2,101,802; Dec. 7.

Winsor, Roy J., Marion, Ohio. Drag. 2,101,567; Dec. 7.

Wise, Charles H., assignor to Hartford-Empire Company, Hartford, Conn. Furnace construction. 2,101,786; Dec. 7.

Wiskoff, Alfred, Evanston, Ill. Partition assembling and retaining fixture. 2,101,378; Dec. 7.

Wixon, Howard H., Chicago, Ill. Sound recording and reproducing equipment. 2,101,121; Dec. 7.

Wolfe, Joseph A., Seattle, Wash. Pennant and staff means. 2,101,163; Dec. 7.

Wolfe, Wilbur, Carmel, Ind. Milk strainer. 2,101,770; Dec. 7.

Wolff, George F., and W. Congreve, Chicago, Ill. Weather strip. 2,101,278; Dec. 7.

Wonder, Charles E., assignor to Van Cleef Bros., Chicago, Ill. Tape carton. 2,101,355; Dec. 7.

Woodbridge, Joseph L., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Storage battery separator containing a compound of mercury. 2,101,326; Dec. 7.

Woodbury, Francis R., Portland, Oreg. Sound deadening construction. 2,101,568; Dec. 7.

Woodhouse, John C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polymerizable unsaturated compounds. 2,101,820; Dec. 7.

Woods, Hazel H., Greenville, assignor of forty-eight per cent to A. W. Lynn, Arcanum, Ohio. Burial garment. 2,101,483; Dec. 7.

Woodside, Cornelius S., Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Light intensity indicator. 2,101,122; Dec. 7.

Worel, Glen J., Minneapolis, assignor to C. M. O'Neil, Hopkins, Minn. Piston expander. 2,101,279; Dec. 7.

Wright, Howard S., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 2,101,304; Dec. 7.

Wright, Sumner B. (See Osborne, H. S., and Wright.)

Wright, William, assignor of one-half to J. V. Wescott and one-half to C. M. Baker, Chicago, Ill. Railway car coupler positioning device. 2,101,280; Dec. 7.

Wyche, Christopher L., York, Pa. Blower. 2,101,123; Dec. 7.

Wyler, Max, Blackley, Manchester, England, assignor to Imperial Chemical Industries, Limited. Diazo salt preparations. 2,101,664; Dec. 7.

Yarnell, Elizabeth, Elizabeth, N. J. Pulley. 2,101,771; Dec. 7.

Yeadon, Robert. (See Hale, F. C., and Yeadon.)

Yorke, James R. (See Hale, F. C., and Yorke.)

Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Process and apparatus for the conversion of hydrocarbon liquids and gases. 2,101,485; Dec. 7.

Young, Leonard A., Detroit, Mich. Spring structure. 2,101,124; Dec. 7.

Young, Lloyd L. (See Finch, J. L., and Young.)

Zabel, Max. (See Wagner, H., Zabel, and Ensslin.)

Zackowitz, Joseph, Flushing, N. Y. Lathe tool. 2,101,379; Dec. 7.

Zak, William, San Francisco, Calif. Orifice dial valve. 2,101,356; Dec. 7.

Zeiss Ikon Aktiengesellschaft. (See Henkel, Gerhard, assignor.)

Zelov, Victor I., Rosemont, assignor to Cooperative Engineering Co., Philadelphia, Pa. Prime mover governing system. 2,101,486; Dec. 7.

Ziemmerman, Henry, assignor to Chicago Cardboard Company, Chicago, Ill. Folding framed display. 2,101,327; Dec. 7.

Zimmerer, Karl A., Manufacturing Co. Inc. (See Koerber, William G., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bathing suit removable while dressed. L. H. Bachelis. 20,567; Dec. 7.
Cake icing machine. J. R. Litty and T. B. Lundin. 20,572; Dec. 7.
Control method and apparatus. R. P. Brown. 20,569; Dec. 7.
Cooking machine. G. H. Bushway. 20,570; Dec. 7.
Flush valve. W. E. Sloan. 20,576; Dec. 7.
Fuel injection pump, Liquid. R. L'Orange. 20,573; Dec. 7.
Girdle. M. G. Waksmundzka. 20,577; Dec. 7.
Joint for pavements and the like, Expansion. C. Older. 20,575; Dec. 7.
Motor system, Alternating current. B. D. Bedford. 20,568; Dec. 7.
Package and process, Medicament. P. G. Heineman. 20,571; Dec. 7.
Pump plunger. J. N. Martin. 20,574; Dec. 7.

LIST OF DESIGN INVENTIONS

Apron. V. Alcouloumre. 107,346; Dec. 7.
Apron. M. Mitrani. 107,361; Dec. 7.
Band, Metallic filigree. A. Brackman. 107,309; Dec. 7.
Bathtub. R. H. Zinkil. 107,330; Dec. 7.
Bier. E. C. Babcock. 107,307; Dec. 7.
Booth, Telephone. C. S. Potts. 107,321; Dec. 7.
Bottle. H. D. Henshel. 107,353; Dec. 7.
Bottle. F. McIntosh. 107,360; Dec. 7.
Bracket, Combined curtain rod and shade roller. H. W. Ullrich. 107,328; Dec. 7.
Brassière. W. Rosenthal. 107,362; Dec. 7.
Button. F. H. Fisher. 107,351; Dec. 7.
Cabinet, Self-contained air conditioner. H. F. Weissinger. 107,397; Dec. 7.
Cap, Combination bottle and closure. E. Horney. 107,375; Dec. 7.
Cap, Electrical connecting. R. E. Patten and G. W. Florian. 107,379; Dec. 7.
Case, Refrigerated vegetable display. G. J. Hopkins. 107,315; Dec. 7.
Casing for metalworking machine. G. C. Worrell. 107,398; Dec. 7.
Container, Toilet accessories. E. J. Lux. 107,340; Dec. 7.
Desk. J. R. Clark. 107,349; Dec. 7.
Door for a heater cabinet or the like. M. F. Cotes and W. C. Schneider. 107,384; Dec. 7.
Dress. A. C. Barnhart. 107,347; Dec. 7.
Dress. M. R. Berger. 107,381–2; Dec. 7.
Dress. S. Cicardo. 107,380; Dec. 7.
Dress. S. Cicardo. 107,383; Dec. 7.
Dress. A. Engel. 107,386; Dec. 7.
Dress. B. Fried. 107,387; Dec. 7.
Dress. S. J. Goldfarb. 107,352; Dec. 7.
Dress. M. Hall. 107,388; Dec. 7.
Dress. I. Lampel. 107,391; Dec. 7.
Dress. M. Michelson. 107,376; Dec. 7.
Dress. C. M. Santore. 107,392; Dec. 7.
Dress. M. Stone. 107,393–5; Dec. 7.
Dress. P. Zahn. 107,368; Dec. 7.
Eyecup. B. F. Conner. 107,332; Dec. 7.
Fabric for upholstery, Textile. H. P. Koch. 107,355; Dec. 7.
Fabric, Textile. J. F. Berlinger. 107,369; Dec. 7.
Fabric, Textile. J. W. H. Brooks. 107,348; Dec. 7.
Fabric, Textile. W. Ross. 107,363–4; Dec. 7.
Fabric, Textile. J. W. Snowden. 107,365; Dec. 7.
Fabric, Textile. M. Turpan. 107,366; Dec. 7.
Fabric, Textile. H. W. Wilde. 107,367; Dec. 7.
Fabric, Woven textile. J. G. Levy. 107,356; Dec. 7.
Flask. S. Brandeis. 107,371; Dec. 7.
Guard and lamp, Combined bicycle. G. S. Lewis. 107,358; Dec. 7.
Handbag and vanity case, Combined lady's. J. Gierden. 107,333; Dec. 7.
Hanger and deodorant container, Combined. H. de Benque. 107,385; Dec. 7.
Humidifier. E. H. Horst. 107,335; Dec. 7.
Humidifying device, Electrical. E. A. Reid. 107,344; Dec. 7.
Jewelry setting or similar article. J. J. Fischer. 107,313; Dec. 7.
Lace for a cape or similar article. L. E. Hart and H. E. Lewy. 107,373; Dec. 7.
Lace for a jacket or similar article. L. E. Hart and H. E. Lewy. 107,372; Dec. 7.
Lace for a jacket or similar article. L. E. Hart and H. E. Lewy. 107,374; Dec. 7.
Lamp. V. Nemeroff. 107,343; Dec. 7.
Lamp, Directional signal. E. T. Condon. 107,350; Dec. 7.
Lamp for vehicles, Directional signal. A. and J. Hollins. 107,334; Dec. 7.
Marimba. C. O. Musser. 107,318; Dec. 7.
Meter, Parking. C. H. Martin. 107,316; Dec. 7.
Meter, Parking. C. H. Martin. 107,359; Dec. 7.
Mirror, Decorative. F. H. Nonnenbacher. 107,319–20; Dec. 7.
Mirror, Hand vanity. W. La Hodny. 107,337–9; Dec. 7.
Mirror, Hand vanity. W. La Hodny. 107,377–8; Dec. 7.
Mirror, Hand vanity. W. La Hodny. 107,390; Dec. 7.
Mold, Refrigerating. J. H. de Murguiondo. 107,317; Dec. 7.
Nose device or similar article. B. Jacobson. 107,389; Dec. 7.
Paper, Wrapping. A. Lewin. 107,357; Dec. 7.
Piano. W. Zaiser. 107,329; Dec. 7.
Plate for air exhausting device, Cover. H. Broadwin. 107,399; Dec. 7.
Plate for radio receivers, Escutcheon. R. C. Marholz. 107,341; Dec. 7.
Radio receiving set and bed lamp, Combined. L. Tulauskas. 107,396; Dec. 7.
Range, Electric. O. M. Anderson. 107,331; Dec. 7.
Shingle or the like, Strip. A. C. Fischer. 107,312; Dec. 7.
Shoe. B. Benjamin. 107,308; Dec. 7.
Shoe. C. I. Stoddard. 107,325; Dec. 7.
Signal, Automobile direction. W. M. Wicker, Sr. 107,345; Dec. 7.
Spark arrester, Pipe. C. M. Bly. 107,370; Dec. 7.
Stand, Display. J. A. Kern. 107,336; Dec. 7.
Strap, Wrist watch. A. H. Sauer, Jr. 107,323; Dec. 7.
Table, Drawing. U. C. Holland. 107,354; Dec. 7.
Tire. R. M. Reel. 107,322; Dec. 7.
Tire, Pneumatic. S. P. Thacher. 107,327; Dec. 7.
Toy alphabet picture register or similar article. D. C. Cabalane. 107,310; Dec. 7.
Umbrella and support, Combined. D. P. Talamantes. 107,326; Dec. 7.
Vault, Grave. N. J. Schneiker. 107,324; Dec. 7.
Vehicle body. W. J. Miller. 107,342; Dec. 7.
Wardrobe. G. W. Harding. 107,314; Dec. 7.
Wrench, Torque measuring. A. I. Dunn. 107,311; Dec. 7.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive wheel. R. R. Raber. 2,101,193; Dec. 7.
Acid esters of polyunsaturated higher alcohols, Polycarboxylic. J. H. Werntz. 2,101,227; Dec. 7.
Adhesive applying device. P. Arndt. 2,101,464; Dec. 7.
Acids and esters thereof, Production of dicarboxylic. J. W. Hill and E. W. Spanagel. 2,101,217; Dec. 7.
Aerating machine. W. Fagergren. 2,101,331; Dec. 7.
Aeroplane. R. R. Slayback. 2,101,351; Dec. 7.
Air conditioning system, Automatic. L. L. Cunningham. 2,101,808; Dec. 7.
Air conditioning unit. T. W. Carraway. 2,101,467; Dec. 7.
Air cooled aero engine. H. C. H. Townend. 2,101,724; Dec. 7.
Air flotation separation, Apparatus for. E. M. Rusk. 2,101,295; Dec. 7.
Air or gas conditioning apparatus. W. E. Moore and G. L. Simpson. 2,101,555; Dec. 7.
Aircraft. M. T. Hempe. 2,101,778; Dec. 7.
Aircraft. R. H. Mayo. 2,101,743; Dec. 7.
Aircraft of the rotative-wing type. A. E. Larsen. 2,101,399; Dec. 7.
Airplane engine. W. N. Morgan. 2,101,556; Dec. 7.
Airplane propeller. E. Martin. 2,101,149; Dec. 7.
Alarm apparatus. B. Goldstone. 2,101,059; Dec. 7.
Alarm device for motor vehicles. J. B. Morland. 2,101,407; Dec. 7.
Alarm system. B. Goldstone. 2,101,058; Dec. 7.
Alarm system for detention windows. L. Bayley and R. L. Clingerman. 2,101,040; Dec. 7.
Alkyd resin coating and composition of improved alkali resistance and making same. C. Ellis. 2,101,792; Dec. 7.
Alloy, Aluminum. H. L. Whitman. 2,101,118; Dec. 7.
Alloy, Copper base. E. L. Munson. 2,101,087; Dec. 7.
Alloy, High strength corrosion resistant copper. E. L. Munson. 2,101,625; Dec. 7.
Alloys, Hot workable copper. E. L. Munson. 2,101,626; Dec. 7.
Amides, Manufacturing of unsaturated organic. J. W. C. Crawford and J. Grigor. 2,101,822; Dec. 7.
Aminomethanol-aromatic amine-formaldehyde condensation products, Resinous. G. D. Graves and J. Harmon. 2,101,215; Dec. 7.
Ammonium compounds and preparing them, Quaternary. G. Balle and K. Elsfeld. 2,101,524; Dec. 7.
Amplifier, Radio frequency. M. Byk and J. De Mare. 2,101,670; Dec. 7.
Amusement device, Ball return. A. Szabo. 2,101,658; Dec. 7.
Amusement ride device. V. Stanzel. 2,101,274; Dec. 7.
Animal trap. J. Tschantre. 2,101,482; Dec. 7.
Antenna. R. B. Dome. 2,101,674; Dec. 7.
Antifreezing means. F. A. Kormann. 2,101,472; Dec. 7.
Applicator for tinting hair. T. F. Callaghan. 2,101,310; Dec. 7.
Aralkyl ethers of cellulose, Recovery of. E. J. Lorand. 2,101,032; Dec. 7.
Articles, Apparatus for marking. H. Kershaw. 2,101,219; Dec. 7.
Articles from moldable powder, Producing. K. Gullich. 2,101,540; Dec. 7.
Asbestos product, Impregnated. R. E. Parry. 2,101,449; Dec. 7.
Awning structure. E. S. Waddell. 2,101,695; Dec. 7.
Axle journals, Apparatus for cold rolling. W. L. Scribner and T. V. Buckwalter. 2,101,516; Dec. 7.
Bag: *See*—
Ice bag.
Ball, Blind stitch play. G. S. Lannom, Jr. 2,101,473; Dec. 7.
Barrel rack. L. O. Porter. 2,101,629; Dec. 7.
Barrier for mercury switches. J. H. Payne. 2,101,093; Dec. 7.
Battery charging and testing apparatus. E. W. Breisch. 2,101,571; Dec. 7.
Battery charging apparatus. K. T. Williamson. 2,101,207; Dec. 7.
Battery separator containing a compound of mercury, Storage. J. L. Woodbridge. 2,101,326; Dec. 7.
Bead and applying the same to ornamental wheel disks, Ornamental. G. A. Lyon. 2,101,318; Dec. 7.
Bearing. C. F. Smart. 2,101,759; Dec. 7.
Bearing mounting, Ball. B. C. Robertson. 2,101,346; Dec. 7.
Bearing surfaces, Lubricating. W. W. Weinrich. 2,101,632; Dec. 7.
Bearing unit, Inboard roller. A. H. Oelkers. 2,101,650; Dec. 7.
Beer settling, Apparatus for preventing. W. G. Koerber. 2,101,029; Dec. 7.
Belt, Antenna. S. F. Mashbir, F. G. Kear, G. L. Davies, and W. H. Orton. 2,101,033; Dec. 7.
Bench, Prayer. A. E. Landau. 2,101,259; Dec. 7.
Binder, Grain. A. C. Lindgren and C. R. Raney. 2,101,439; Dec. 7.
Blade cutter, Inserted. F. P. Miller. 2,101,085; Dec. 7.
Blank, Denture. F. Groff. 2,101,431; Dec. 7.
Block: *See*—
Building block.
Blower. C. L. Wyche. 2,101,123; Dec. 7.
Blower for vacuum cleaners. E. Gorissen. 2,101,390; Dec. 7.
Blowpipe. O. R. Rice. 2,101,270; Dec. 7.
Board: *See*—
Lockable ironing board.
Boiler: *See*—
Superheater boiler.
Bolting machine. E. Schultz. 2,101,722; Dec. 7.
Bookbinding. P. W. Bidwell. 2,101,804; Dec. 7.
Bottle, Nonreusable. W. Riedel. 2,101,598; Dec. 7.
Bottle tapping device, Nonrefillable. M. Greenbaum. 2,101,471; Dec. 7.
Box: *See*—
Powder box.
Stone box.
Box making machine. A. L. Rosenmund. 2,101,457; Dec. 7.
Brace: *See*—
Rail brace.
Brake: *See*—
Car brake.
Clasp brake.
Brake appliance, Automatic trailer. A. Sandul. 2,101,600; Dec. 7.
Brake for aeroplanes, Air. W. Meinert. 2,101,443; Dec. 7.
Brake mechanism, Air. A. L. Goodknight. 2,101,708; Dec. 7.
Braking device for rotating machine parts. L. C. Brisson. 2,101,425; Dec. 7.
Branding machine. W. P. Bullard and O. L. Williams. 2,101,775; Dec. 7.
Brassière. S. W. Kunstadter. 2,101,716; Dec. 7.
Bread, Apparatus for and method of cooling. W. W. Reece. 2,101,651; Dec. 7.
Brief case construction. W. Satz. 2,101,459; Dec. 7.
Brush. C. G. Rowland. 2,101,799; Dec. 7.
Brush, Meat block. F. D. Johnson. 2,101,394; Dec. 7.
Buckle, Belt. J. R. La Vigne. 2,101,585; Dec. 7.
Building block. C. E. Johnson. 2,101,181; Dec. 7.
Building constructions. C. J. Fox. 2,101,777; Dec. 7.
Building element and building made therefrom, Structural. G. F. Kotrbaty. 2,101,073; Dec. 7.
Building system and construction units and elements therefor. G. F. Kotrbaty. 2,101,074; Dec. 7.
Cabinet and business machine stand, Combined. W. A. Anderson. 2,101,230; Dec. 7.
Cabinet for mechanical refrigerators and appurtenances thereof. L. M. Crosley. 2,101,702; Dec. 7.
Cabinet, Storage. H. F. Beers. 2,101,465; Dec. 7.
Cable, Submarine signaling. J. Engler and E. Studt. 2,101,386; Dec. 7.
Caffeine collector. A. C. Waldvogel. 2,101,418; Dec. 7.
Calculating machine. A. A. Overbury. 2,101,818; Dec. 7.
Calculating machine. E. C. Walter. 2,101,766–7; Dec. 7.
Calculator. W. Taylor. 2,101,298; Dec. 7.
Cam grinding apparatus. C. J. Green. 2,101,796; Dec. 7.
Camera, Photographic. G. Henkel. 2,101,543; Dec. 7.
Can marking and displaying device. N. Snelling. 2,101,565; Dec. 7.
Can tester. A. M. Cameron. 2,101,129; Dec. 7.
Candelabra. T. Hall. 2,101,578; Dec. 7.
Canteen, cooking, and mess kit, Combined. W. H. N. Stevens. 2,101,414; Dec. 7.
Cap for personal wear, Net. J. S. Chapple. 2,101,734; Dec. 7.
Cap, Radiator. L. P. Saunders and P. S. Rosenberg. 2,101,756; Dec. 7.
Car brake. B. F. Kurtz. 2,101,717; Dec. 7.
Car end construction, Mine. W. F. Dietrichson. 2,101,169; Dec. 7.
Car construction. J. P. Anderson. 2,101,698; Dec. 7.
Car, Hopper. A. E. Ostrander, R. W. Joy, and A. Kassler. 2,101,448; Dec. 7.
Car, Lightweight railway. W. H. Mussey and M. P. Blomberg. 2,101,557; Dec. 7.
Car, Mine. H. P. Field. 2,101,171; Dec. 7.
Car, Mine. V. Willoughby. 2,101,208; Dec. 7.
Car, Refrigerator. G. C. George. 2,101,736; Dec. 7.

Car retarder, Railway. J. W. Livingston. 2,101,184; Dec. 7.
Carburetor with choke control. A. R. Baker. 2,101,039; Dec. 7.
Card, Tabulating. L. C. Conradi and A. M. Fairbrother. 2,101,427; Dec. 7.
Carpeting. D. B. Bonner. 2,101,359; Dec. 7.
Carriage release for lathes. L. H. Randall. 2,101,754; Dec. 7.
Carton. W. G. Piper. 2,101,282; Dec. 7.
Carton. C. W. White. 2,101,522; Dec. 7.
Carton for and method of packaging furniture. A. V. MacDonald, R. A. Minkler, and H. Iske. 2,101,403; Dec. 7.
Carton, Tape. C. E. Wonder. 2,101,355; Dec. 7.
Case and dust pan construction, Carpet sweeper. H. C. Dilliard. 2,101,133; Dec. 7.
Cash register, accounting and the like machine. E. Breitling and H. Schwenk. 2,101,636; Dec. 7.
Casting. W. E. Gordon. 2,101,061; Dec. 7.
Catalyst for hydrogenating hydrocarbons. H. M. Smith and H. T. Rall. 2,101,104; Dec. 7.
Ceiling washer. A. C. Grueschow. 2,101,216; Dec. 7.
Cellulose and like material in a continuous web, Method and apparatus for drying. S. Wellmar. 2,101,301; Dec. 7.
Cellulose derivatives, Continuous preparation of. R. W. Maxwell. 2,101,263; Dec. 7.
Cellulose etherification. R. W. Maxwell. 2,101,262; Dec. 7.
Cellulosic esters, Producing mixed. O. Sindl and G. Frank. 2,101,413; Dec. 7.
Cement. W. E. Tyler, T. B. Douglas, P. R. Chamberlain, and R. A. Loveland. 2,101,299; Dec. 7.
Center spot crowns, Making. B. Cohn. 2,101,131; Dec. 7.
Chain: *See*—
Drive chain.
Chain for automobile tires, Emergency. H. W. Lisowitz. 2,101,588; Dec. 7.
Chain truing device, Sprocket. W. Gegenheimer. 2,101,172; Dec. 7.
Chair: *See*—
Invalid chair.
Chair or the like, Open bottom, floating top spring cushion. R. E. Eaton. 2,101,054; Dec. 7.
Chemical process. J. G. Moore. 2,101,223; Dec. 7.
Chill mold. E. Mahle. 2,101,404; Dec. 7.
Chute, Lifesaving. L. Simpson. 2,101,284; Dec. 7.
Cigarette extinguisher. H. R. Spangler. 2,101,200; Dec. 7.
Cigarette stub receiver and extinguisher. F. C. Osborn. 2,101,593; Dec. 7.
Cinematograph, Advertising. G. H. Babb. 2,101,126; Dec. 7.
Circuit arrangement, Selective. E. Klotz, K. Wilhelm, and H. O. Roosenstein. 2,101,715; Dec. 7.
Circuit closer, Liquid contact. R. F. Sambleson. 2,101,101; Dec. 7.
Circuit, Testing. A. E. Hague. 2,101,254; Dec. 7.
Circuit, Linear amplifier. H. Bartels. 2,101,525; Dec. 7.
Circuit, Neutralized coupling. N. E. Lindenblad. 2,101,438; Dec. 7.
Circuits, Amplifier coupling. C. W. Earp. 2,101,247; Dec. 7.
Circuits for radio receivers, Silencing. J. J. Lamb. 2,101,549; Dec. 7.
Circular loom. F. C. Hale and R. Yeadon. 2,101,022; Dec. 7.
Circular loom. F. C. Hale and J. R. Yorke. 2,101,023; Dec. 7.
Circular loom. W. Pool. 2,101,283; Dec. 7.
Clamp: *See*—
Friction clamp. Plate clamp.
Clamp head. S. A. Prewitt. 2,101,192; Dec. 7.
Clamping device. F. J. Lemieux. 2,101,317; Dec. 7.
Clasp brake. W. H. Baselt. 2,101,488; Dec. 7.
Clasp, Collar. A. W. Crain. 2,101,493; Dec. 7.
Clasp for collars. J. H. Heckman. 2,101,617; Dec. 7.
Classifier, Pneumatic. M. Frisch. 2,101,249; Dec. 7.
Cleaner: *See*—
Vacuum cleaner.
Cleaner for conveyers. M. N. Penny. 2,101,751; Dec. 7.
Clip. R. E. Marsh. 2,101,551–2; Dec. 7.
Clips, Manufacturing paper. H. D. Randall. 2,101,195; Dec. 7.
Clock. G. M. Buehrig. 2,101,235; Dec. 7.
Clock, Luminous. F. E. Montroy. 2,101,339; Dec. 7.
Clothespin. E. Lognion. 2,101,742; Dec. 7.
Clutch: *See*—
Friction clutch. Magnetic clutch.
Clutch. S. M. Crewdson. 2,101,242; Dec. 7.
Clutch device. N. Frank. 2,101,366; Dec. 7.
Clutch disk, Driven. H. Nutt and H. V. Reed. 2,101,411; Dec. 7.
Clutch mechanism. D. Vermette. 2,101,484; Dec. 7.
Clutch mechanism, Synchronizing. E. A. Thompson. 2,101,828; Dec. 7.
Clutch plate. H. Nutt and H. V. Reed. 2,101,410; Dec. 7.
Clutch plate, Friction. B. A. Swennes. 2,101,297; Dec. 7.
Coal and the like, Apparatus for the separation of. K. C. Appleyard. 2,101,381; Dec. 7.
Coat, House. E. Sayour. 2,101,564; Dec. 7.
Coil handling apparatus. H. R. Gotthardt. 2,101,738; Dec. 7.
Coin actuated switch. C. G. Johnson. 2,101,546; Dec. 7.
Coin sorting device. H. Samuelsen and J. de R. Kielland. 2,101,513; Dec. 7.
Coke, Producing. M. B. Cooke, H. C. Schutt, and J. W. Throckmorton. 2,101,641; Dec. 7.
Collapsible and separable table. W. G. Cramer and E. Bachelier. 2,101,573; Dec. 7.
Collar and making the same. L. P. Madsen. 2,101,798; Dec. 7.
Color analyzing apparatus. H. Ketcham. 2,101,741; Dec. 7.
Color effects on skins or furs, Producing two. H. Wagner, M. Zabel, and A. Enselin. 2,101,696; Dec. 7.
Combination latch. W. Barclay. 2,101,210; Dec. 7.
Communication system. A. L. Sprecker. 2,101,421; Dec. 7.
Composite article. C. A. Cabell. 2,101,128; Dec. 7.
Composite product. H. G. Kittredge and F. W. Williams 2,101,182; Dec. 7.
Compounds, Preparation of polymerizable unsaturated. J. C. Woodhouse. 2,101,820; Dec. 7.
Concrete and the like, Apparatus for handling. C. E. Little. 2,101,031; Dec. 7.
Condenser: *See*—
Electrical condenser. Tape condenser.
Confection making machine. E. A. Bolen. 2,101,570; Dec. 7.
Confections, Method and apparatus for coating. W. S. Cloud. 2,101,240; Dec. 7.
Connecter or terminal, Electric. J. J. Jolliffe. 2,101,713; Dec. 7.
Connecter plug, Electrical. L. H. Riley. 2,101,345; Dec. 7.
Connection, Conveyer section. C. N. Bebinger. 2,101,017; Dec. 7.
Connection for rock drills, Air or water tube. E. B. Lear. 2,101,144; Dec. 7.
Contactor construction. H. L. Van Valkenburg 2,101,288; Dec. 7.
Container: *See*—
Dispensing container. Temperature control container.
Heat treating container.
Container and making same, Sheet-material. J. Brenzinger. 2,101,530; Dec. 7.
Control device. H. Weber. 2,101,160; Dec. 7.
Control device, Mechanical. M. T. Weston. 2,101,117, Dec. 7.
Control for internal combustion engines, Thermostatic C. H. and P. J. Jorgensen. 2,101,369; Dec. 7.
Control of electric arc lamps. L. Burns. 2,101,789; Dec. 7.
Control system. J. D. Lewis, H. Waters, and O. A. Krauer. 2,101,146; Dec. 7.
Control system, Remote. R. Pudelko. 2,101,269; Dec. 7.
Control unit for line casting machines. L. M. Walden. 2,101,113; Dec. 7.
Conveyer driving mechanism. C. N. Bebinger. 2,101,018; Dec. 7.
Conveyer, Gathering or pick-up. F. Cartlidge. 2,101,238; Dec. 7.
Conveyer mechanism. G. Waalkes. 2,101,353; Dec. 7.
Cooker, Portable. C. Jacobs. 2,101,180; Dec. 7.
Core and dry binder for the preparation thereof, Foundry. W. W. De Laney. 2,101,330; Dec. 7.
Corncob smoking pipe. H. Hirschl. 2,101,740; Dec. 7.
Corner unit, Building. R. S. Maclean. 2,101,589; Dec. 1.
Cotton picking machine. J. D. and M. D. Rust. 2,101,100; Dec. 7.
Coupler positioning device, Railway car. W. Wright. 2,101,280; Dec. 7.
Coupling: *See*—
Flexible coupling. Trailer hitch coupling.
Pipe coupling.
Coupling. R. S. McKeever. 2,101,405; Dec. 7.
Cream dispenser. W. F. Coleman. 2,101,020; Dec. 7.
Cross-roll mill. W. J. Assel. 2,101,357; Dec. 7.
Crusher for used safety razor blades. G. E. Chesnut. 2,101,700; Dec. 7.
Cupola, Foundry. L. A. Grotewohl. 2,101,391; Dec. 7.
Curling ring, Can end. W. E. Burns. 2,101,309; Dec. 7.
Current, Controlling the flow of electric. M. J. Huggins. 2,101,068; Dec. 7.
Current signaling system, Alternating. M. Baesecke and H. Mayer. 2,101,699; Dec. 7.
Curtain tie-back securing device. W. S. Weldon. 2,101,377; Dec. 7.
Cushion rest, Metatarsal rubber. J. E. Stagl. 2,101,761; Dec. 7.
Cushion, Spool needle. F. Goertz. 2,101,250; Dec. 7.
Cutter: *See*—
Blade cutter.
Cutting mechanism for bag machines, Web. G. W. Poppe. 2,101,101; Dec. 7.
Cyanhydrins, Preparing. H. R. Dittmar. 2,101,823; Dec. 7.
Cylinder, Compound master. R. N. Baughn. 2,101,772; Dec. 7.
Cylinder lock. F. W. Kenney. 2,101,779; Dec. 7.
Dampening mechanism for printing presses. B. D. Stevens. 2,101,202; Dec. 7.
Damper, Automatic check. W. Kemp. 2,101,315; Dec. 7.
Dashpot. B. Radtke. 2,101,194; Dec. 7.
Dehydrator. F. Y. Takenaga. 2,101,352; Dec. 7.
Detector of invisible radiation, Visible. C. W. Hansell. 2,101,139; Dec. 7.

Device for applying mascara and similar material. L. Daly and M. Johannsen. 2,101,132; Dec. 7.
Device for the deflection of electron beams. E. Brüche and W. Henneberg. 2,101,669; Dec. 7.
Diaper. M. C. Rhodes. 2,101,453; Dec. 7.
Diazo salt preparations. M. Wyler. 2,101,664; Dec. 7.
Die: *See*—
Drawing die.
Differential gauge. M. Klein and B. Willach. 2,101,028; Dec. 7.
Disk, Levee. R. and A. Olson. 2,101,187; Dec. 7.
Dispenser: *See*—
Cream dispenser. Paper dispenser.
Drink dispenser. Powder dispenser.
Oil dispenser. Powder puff dispenser.
Dispensing container. L. R. Paul. 2,101,687; Dec. 7.
Display device. M. D. Pollinger and H. J. Watson. 2,101,450; Dec. 7.
Display device having a lustrous portion, Adjustable. N. J. Leigh. 2,101,683; Dec. 7.
Display, Folding framed. H. Ziemmerman. 2,101,327; Dec. 7.
Doll. E. G. Schaeffer. 2,101,102; Dec. 7.
Door, Clock. O. G. Williams. 2,101,325; Dec. 7.
Door lock. H. H. Kistner. 2,101,812; Dec. 7.
Door or hatch construction, Ship. A. L. and F. M. Lambert. 2,101,550; Dec. 7.
Door or portion thereof, Automatic upwardly-movable. S. Lux. 2,101,147; Dec. 7.
Dough molding machine. L. J. P. Maas. 2,101,621; Dec. 7.
Drafting instrument. T. T. Erickson. 2,101,365; Dec. 7.
Drag. R. J. Winsor. 2,101,567; Dec. 7.
Drawing die. H. H. Richardson. 2,101,689; Dec. 7.
Drill: *See*—
Nonfouling drill.
Drink dispenser, Cool. W. W. Philley. 2,101,190; Dec. 7.
Drive chain. D. B. Perry. 2,101,341; Dec. 7.
Drive, Constant speed controlled. C. J. Meyers. 2,101,084; Dec. 7.
Drive, Spinning bucket. E. H. Hull. 2,101,679; Dec. 7.
Drive, Spinning bucket. F. C. Linn. 2,101,684; Dec. 7.
Drive, Supercharger. R. Chilton. 2,101,239; Dec. 7.
Driving mechanism, Automotive. W. C. Starkey. 2,101,275; Dec. 7.
Dye composition, Vat. H. W. Wass and H. J. Rupright. 2,101,828; Dec. 7.
Dyestuffs and their manufacture, Arylamino anthraquinone. A. Peter. 2,101,094; Dec. 7.
Earth moving machine. F. P. Lawler. 2,101,400; Dec. 7.
Electric control device. M. L. Goldbert and R. T. Watts. 2,101,430; Dec. 7.
Electric discharge tube. W. Dällenbach. 2,101,610; Dec. 7.
Electric furnace. J. Ferguson. 2,101,675; Dec. 7.
Electric generator. K. A. Harmon. 2,101,392; Dec. 7.
Electric lamp, Miniature. F. C. Wappler. 2,101,277; Dec. 7.
Electric motor. P. Warnick and W. H. Scott. 2,101,116; Dec. 7.
Electric switch. J. Figueira. 2,101,539; Dec. 7.
Electrical condenser. H. Muth and W. Runge. 2,101,153; Dec. 7.
Electrical impulses, Recording of. H. Weber. 2,101,419; Dec. 7.
Electrical measuring instrument. R. Simpson and G. H. Koch. 2,101,296; Dec. 7.
Electrical precipitation apparatus. W. Deutsch. 2,101,168; Dec. 7.
Electrical switch. Q. De Fellce. 2,101,429; Dec. 7.
Electromagnetic apparatus. P. H. Crago. 2,101,166; Dec. 7.
Electromagnetic apparatus. C. G. Kronmiller. 2,101,548; Dec. 7.
Electrotype plates, Producing. M. H. Muse. 2,101,591; Dec. 7.
Enameling process, Vitreous. H. F. Gilbert. 2,101,616; Dec. 7.
Engine: *See*—
Air cooled aero engine. Internal combustion engine.
Airplane engine.
Engine and injecting device therefor, Internal combustion. A. J. Meyer. 2,101,554; Dec. 7.
Envelope, Duplex. C. F. Pflanze. 2,101,342; Dec. 7.
Envelope machine. A. Novick. 2,101,268; Dec. 7.
Exhaust device. H. J. Berman. 2,101,667; Dec. 7.
Extracting and drying system. E. A. Stienen. 2,101,461; Dec. 7.
Extractor. V. H. Roehrich. 2,101,819; Dec. 7.
Eyeglasses. M. Kaplan. 2,101,026; Dec. 7.
Eyelet. S. L. Gookin. 2,101,060; Dec. 7.
Fabrics, Uninterrupted knitting of shaped. A. E. Ischinger. 2,101,048; Dec. 7.
Fabrics with figured backs, Producing double warp pile. H. Theunissen. 2,101,286; Dec. 7.
Fastener: *See*—
Hasp fastener.
Fastening device. G. A. Tinnerman. 2,101,287; Dec. 7.
Fats, Process for finishing. H. A. Keck. 2,101,501; Dec. 7.
File, Drawing and map. A. H. Meuche. 2,101,034; Dec. 7.
Fence, Bench saw rip. T. L. Hedgpeth. 2,101,709; Dec. 7.
Fertilizer. J. W. Corey. 2,101,807; Dec. 7.
Filling machine. J. G. F. Augustin. 2,101,232; Dec. 7.
Film moving mechanism. H. R. Ellinwood. 2,101,469; Dec. 7.
Filter. K. B. Britton. 2,101,211; Dec. 7.
Filter and primer for oil burners, Combined. M. C. Bennett. 2,101,424; Dec. 7.
Filter pad. A. W. Franzmeier. 2,101,811; Dec. 7.
Fire escape. P. V. Della Santina, A. Nelson, and F. Della Santina. 2,101,053; Dec. 7.
Fire escape. B. Vale. 2,101,659; Dec. 7.
Firearms, Cartridge-ejecting mechanism for. F. F. Burton. 2,101,236; Dec. 7.
Fish hook. L. S. Chilcott. 2,101,491; Dec. 7.
Fixture, Toilet. R. M. Willis. 2,101,523; Dec. 7.
Flame producing mechanism. L. V. Aronson. 2,101,125; Dec. 7.
Flexible coupling. H. C. and T. Lord. 2,101,078; Dec. 7.
Flexible seat support. L. Assalit. 2,101,422; Dec. 7.
Flocculation. A. J. Fischer. 2,101,810; Dec. 7.
Floor construction. H. A. Faber. 2,101,538; Dec. 7.
Flotation process. H. P. A. Groll. 2,101,647; Dec. 7.
Fluid displacement device, Rotary. E. A. Cuny. 2,101,051; Dec. 7.
Fluid displacement device, Rotary. E. A. Cuny. 2,101,428; Dec. 7.
Foil capping machine. R. N. Cundall and H. E. Gantzer. 2,101,533; Dec. 7.
Food dispensing device. F. K. Krag. 2,101,075; Dec. 7.
Food product and forming same, Chocolate malted milk. M. E. Tucker. 2,101,374; Dec. 7.
Food product and making same. R. Whitaker, S. M. Weisberg, and L. D. Hilker. 2,101,633; Dec. 7.
Foot exercising device. F. W. Lang. 2,101,503; Dec. 7.
Form for structural material, Molding. D. M. Bowes. 2,101,019; Dec. 7.
Forms, Apparatus for guiding paper. P. A. Jackson. 2,101,433; Dec. 7.
Frame and support, Expansible. L. J. Jagus. 2,101,500; Dec. 7.
Freewheeling device for aeroplane propellers. J. H. Knobeck. 2,101,781; Dec. 7.
Friction clamp. M. Manfredi. 2,101,746; Dec. 7.
Friction clutch. H. V. Reed. 2,101,293; Dec. 7.
Fuel distributor, Sectional. H. P. Anderson. 2,101,463; Dec. 7.
Fuel feed means. G. R. Ericson. 2,101,536; Dec. 7.
Fuel pump, Liquid. R. L'Orange. 2,101,221; Dec. 7.
Fuel system for internal combustion engines. R. W. Hautzenroeder. 2,101,064; Dec. 7.
Furnace: *See*—
Electric furnace. Heat treatment furnace.
Furnace, S. Beck. 2,101,423; Dec. 7.
Furnace construction. C. H. Wise. 2,101,786; Dec. 7.
Fuse. M. L. Mathsen. 2,101,082; Dec. 7.
Galvanizing composition. F. D. McBride. 2,101,816; Dec. 7.
Game. H. A. Swart. 2,101,764; Dec. 7.
Game, Amusement. B. W. and H. S. Williams. 2,101,302; Dec. 7.
Game apparatus. J. W. Orcutt, H. A. Stearns, and T. L. Wall. 2,101,188; Dec. 7.
Game apparatus. C. R. Simpkins. 2,101,201; Dec. 7.
Game apparatus. H. E. Williams. 2,101,354; Dec. 7.
Game, Twin marble skill. A. Szabo. 2,101,657; Dec. 7.
Garment, Burial. H. H. Woods. 2,101,483; Dec. 7.
Garment hanger. R. O. Ross. 2,101,294; Dec. 7.
Garment, Sleeping. L. Cohen. 2,101,701; Dec. 7.
Gas burning and control apparatus. G. Herbster. 2,101,393; Dec. 7.
Gas generator. Free piston driving. R. Pateras Pescara. 2,101,412; Dec. 7.
Gas mixer. G. A. Pickett. 2,101,477; Dec. 7.
Gas tank lock, Electromagnetic. P. Shaffer. 2,101,758; Dec. 7.
Gate: *See*—
Sluice gate.
Gauge: *See*—
Indicator gauge. Press gauge.
Gear: *See*—
Reversible reduction gear.
Gear shifting mechanism, Automatic. E. A. Thompson. 2,101,825; Dec. 7.
Geared motor. W. P. Schmitter. 2,101,515; Dec. 7.
Generator: *See*—
Electric generator. Gas generator.
Girder construction, Composite. G. V. Palmer. 2,101,090; Dec. 7.
Glove. F. X. Sturm, Sr. 2,101,763; Dec. 7.
Grenade. J. M. King. 2,101,071; Dec. 7.
Grid. R. H. Varian. 2,101,462; Dec. 7.
Grinding machine. C. H. Amidon. 2,101,787; Dec. 7.
Grinding machine. R. A. Cole and C. H. Amidon. 2,101,790; Dec. 7.
Grinding machine. H. Ernst, C. Herfurth, and L. F. Nenninger. 2,101,644; Dec. 7.
Grinding machine, Centrifugal. A. Martinez, B. 2,101,442; Dec. 7.
Group selector for sorting machines. E. Rose. 2,101,455; Dec. 7.
Guardrail, Highway. L. H. Height. 2,101,176; Dec. 7.
Guard, Wrist watch. A. H. Sauer, Jr. 2,101,690; Dec. 7.
Guide, Brake shoe. S. Schnell. 2,101,692; Dec. 7.
Gun. W. T. Moore. 2,101,086; Dec. 7.
Gun, Air. W. C. Robinson. 2,101,198; Dec. 7.

Gun, Air. A. L. Stranb. 2,101,762; Dec. 7.
Gun, Mud. C. W. Andrews and C. E. Dougan. 2,101,306; Dec. 7.
Gun with pneumatic needle valve control, Spray. S. Bramsen and F. Wahlin. 2,101,164; Dec. 7.
Gunner's seat, Adjustable. J. G. Lee. 2,101,145; Dec. 7.
Hack saw. J. H. Davidson. 2,101,362; Dec. 7.
Hair drying apparatus. J. M. Keller. 2,101,502; Dec. 7.
Hair trimmer. L. A. Gesler. 2,101,737; Dec. 7.
Hammer, Internal combustion. E. R. Boddinghouse. 2,101,608; Dec. 7.
Hammer, Pneumatic. E. W. Stevens. 2,101,159; Dec. 7.
Hams, Curing. J. C. Kistler. 2,101,547; Dec. 7.
Hanger: *See*—
Garment hanger.
Hasp fastener, Lockable. A. J. Komenak. 2,101,337; Dec. 7.
Hatches and other openings, Covering cargo. H. E. Frick. 2,101,056; Dec. 7.
Heat exchange apparatus. M. H. Kuhner. 2,101,782; Dec. 7.
Heat of flue gases of a furnace to heat a liquid, Apparatus for the utilization of the. E. H. Vicary. 2,101,112; Dec. 7.
Heat regulator, Self-compensating. E. L. Fonseca. 2,101,735; Dec. 7.
Heat treating container. H. J. Stein. 2,101,481; Dec. 7.
Heat treatment furnace. C. I. Hayes. 2,101,065; Dec. 7.
Heater: *See*—
Water heater.
Heaters, Making electrical. G. E. Price. 2,101,095; Dec. 7.
Heating unit. F. Thornton, Jr. 2,101,110; Dec. 7.
Heating units and resultant product, Making electric. W. J. Russell. 2,101,098; Dec. 7.
Hobs, Arrangement for resetting. H. B. Lawton. 2,101,183; Dec. 7.
Holder: *See*—
Magazine and filter cigarette holder.
Toilet paper holder.
Utility holder.
Receptacle holder.
Holder. F. A. Kiser. 2,101,220; Dec. 7.
Holder and candle, Candle. H. Fraternall. 2,101,136; Dec. 7.
Holder for lipsticks and the like, Adjustable. H. F. Reichenbach. 2,101,596; Dec. 7.
Holder for optical instruments. A. W. Owens. 2,101,340; Dec. 7.
Holding and serving machine for ice cream or the like. H. Sandlant. 2,101,599; Dec. 7.
Hollow ware articles, Method and apparatus for molding seamless. C. C. Warren. 2,101,768; Dec. 7.
Horn, Air. O. I. H. Ekman. 2,101,385; Dec. 7.
Horseshoe. S. J. Kelley. 2,101,070; Dec. 7.
Humidifier. E. Nestler. 2,101,267; Dec. 7.
Humidifier. S. C. Stimson. 2,101,603; Dec. 7.
Hydraulic machine. E. K. Benedek. 2,101,731–2; Dec. 7.
Hydraulic mold. E. Anderson. 2,101,015; Dec. 7.
Hydraulic motor. E. K. Benedek. 2,101,829; Dec. 7.
Hydrocarbons, Production of unsaturated. A. Grün. 2,101,314; Dec. 7.
Hydroxy compounds of the dibenzanthrone series. H. Neresheimer, A. Vilsmeier, and R. Held. 2,101,321; Dec. 7.
Ice bag. V. B. Padelford. 2,101,628; Dec. 7.
Ice, Brine. C. Field. 2,101,055; Dec. 7.
Illuminating device. C. H. Victoreen. 2,101,289; Dec. 7.
Impeller for centrifugal pumps. C. A. Schellens. 2,101,653; Dec. 7.
Indicator: *See*—
Light intensity indicator.
Weld efficiency indicator.
Indicator gauge. H. W. Moore. 2,101,718; Dec. 7.
Inks and the like, Method and apparatus for measuring properties of. R. F. Reed. 2,101,322; Dec. 7.
Insecticidal composition. C. Dangelmajer. 2,101,704; Dec. 7.
Insecticidal product and process. A. A. Levine and R. W. McAllister. 2,101,587; Dec. 7.
Insecticide and fungicide. R. A. Fulton and W. C. Fernelius. 2,101,645; Dec. 7.
Interchangers for heat exchange between fluids at low temperatures, Making and arrangement of. W. L. De Baufre. 2,101,167; Dec. 7.
Internal combustion engine. G. H. Blettner. 2,101,045; Dec. 7.
Internal combustion engine. R. C. Moffitt. 2,101,319; Dec. 7.
Invalid chair. A. M. Pierson. 2,101,290; Dec. 7.
Iron or steel with aluminum or an alloy thereof, Coating. E. J. M. Mattsson. 2,101,553; Dec. 7.
Iron, Producing low carbon high chromium cast. C. O. Burgess. 2,101,426; Dec. 7.
Jig, Cutting. A. S. Muller. 2,101,624; Dec. 7.
Joint: *See*—
Pipe joint.
Joint for pavements and the like, Expansion. C. Older. 2,101,154; Dec. 7.
Ketones, Carbazole-alkyl. A. W. Ralston and C. W. Christensen. 2,101,559; Dec. 7.
Ketones, Mixed thienyl-alkyl. A. W. Ralston. 2,101,560; Dec. 7.
Knitting machine. F. G. Weisbecker. 2,101,801; Dec. 7.
Knitting machine, Circular. A. A. Caudle. 2,101,639; Dec. 7.
Knitting machine, Circular. F. E. Deans, C. F. Manger, and G. A. Buswell. 2,101,494; Dec. 7.
Krypton and xenon by separation from atmospheric air, Manufacture of. A. Well. 2,101,300; Dec. 7.
Ladder leg, Adjustable. B. F. Fenton. 2,101,576; Dec. 7.
Lamp: *See*—
Electric lamp.
Luggage compartment lamp.
Lantern, Storm. B. Nier. 2,101,409; Dec. 7.
Lasting machine. B. B. Blanchard. 2,101,041; Dec. 7.
Lasting machine. B. Jorgensen. 2,101,069; Dec. 7.
Latex stabilization. I. J. Novak. 2,101,089; Dec. 7.
Latch: *See*—
Combination latch.
Lathe. M. A. Lehmann. 2,101,372; Dec. 7.
Lathe tool. J. Zackowitz. 2,101,379; Dec. 7.
Lathe tool and holder therefor. J. M. Redinger. 2,101,158; Dec. 7.
Lathe tool post. J. M. Redinger. 2,101,157; Dec. 7.
Leakage compensator for pumping systems. A. Sonntag. 2,101,226; Dec. 7.
Leather and preparing the same, Sole. O. Röhm. 2,101,511; Dec. 7.
Lens. H. D. Beach. 2,101,016; Dec. 7.
Light fixture, Electric. G. A. Johnson. 2,101,680; Dec. 7.
Light intensity indicator. C. S. Woodside. 2,101,122; Dec. 7.
Light signal. A. D. Moore. 2,101,186; Dec. 7.
Lighter, Cigar. A. A. Johnson. 2,101,336; Dec. 7.
Lighter, Cigar. J. Sinko. 2,101,601–2; Dec. 7.
Lighting fixture, Electric. H. D. Hain. 2,101,499; Dec. 7.
Lights, Apparatus for indicating an operative condition of vehicle. H. L. Black. 2,101,489; Dec. 7.
Lining, Oven. J. G. Hoff. 2,101,582; Dec. 7.
Liquid contact switch. J. H. Payne, Jr. 2,101,092; Dec. 7.
Liquid containing compressible bodies of material, Treating. J. R. Bjorklund. 2,101,528; Dec. 7.
Liquid dispensing apparatus. W. M. Carroll. 2,101,806; Dec. 7.
Liquid from materials, Method of and apparatus for the extraction of. W. R. Thomson. 2,101,109; Dec. 7.
Liquids and gases, Process and apparatus for the conversion of hydrocarbon. M. P. Youker. 2,101,485; Dec. 7.
Liquids, Apparatus for clarifying saccharine. D. F. Smith. 2,101,480; Dec. 7.
Load sustaining structures, Making. C. S. Boardman. 2,101,358; Dec. 7.
Lock: *See*—
Cylinder lock.
Door lock.
Gas tank lock.
Nut lock.
Tank cap lock.
Lock. E. Robins. 2,101,562; Dec. 7.
Lock for ophthalmic mountings, Leaf. H. C. Petersen. 2,101,476; Dec. 7.
Lockable ironing board. C. A. Rich. 2,101,597; Dec. 7.
Locking device, Safety. A. Nelman. 2,101,446; Dec. 7.
Locking means for joining sheet material. M. I. Williamson. 2,101,303; Dec. 7.
Locking means for retractable aircraft landing gear. G. H. Dowty. 2,101,611; Dec. 7.
Locomotive structure. W. L. Lentz and C. F. Kantola. 2,101,619; Dec. 7.
Loom: *See*—
Circular loom.
Lubricating device for sewing machine loop-takers. W. Myers. 2,101,320; Dec. 7.
Lubricating means for sewing machine loop-takers. G. M. Eames and R. W. Stewart. 2,101,329; Dec. 7.
Lubricating system for vertical pump shafts. J. M. Halt. 2,101,341; Dec. 7.
Luggage compartment lamp. C. A. Michel and R. Winkelmeyer. 2,101,748; Dec. 7.
Luminair. T. W. Rolph. 2,101,199; Dec. 7.
Machine for finishing molded articles of rubber. E. A. Sheehan. 2,101,654; Dec. 7.
Machine for preliminarily assembling covers to containers. J. F. Price. 2,101,291; Dec. 7.
Machine for pressing soles on shoes. C. H. Pepin. 2,101,189; Dec. 7.
Machine for producing gears. L. O. Carlsen. 2,101,237; Dec. 7.
Machine for producing glass vessels from tubing. J. Dichter. 2,101,213; Dec. 7.
Machine for producing ropes from steel wires. J. Rath. 2,101,630; Dec. 7.
Machine for sealing receptacles. J. H. Payne. 2,101,156; Dec. 7.
Machine projector. C. J. Manville. 2,101,148; Dec. 7.
Machine tool, Bench type. F. O. Hoagland. 2,101,177; Dec. 7.
Magazine and filter cigarette holder. P. F. Bruins. 2,101,127; Dec. 7.
Magnetic clutch. L. S. Cooper. 2,101,671; Dec. 7.
Manganese compounds of nucleotides and of their hydrolytic decomposition products. S. L. Ruskin. 2,101,099; Dec. 7.

Marking machine. C. F. Eaton. 2,101,705; Dec. 7.
Massage instrument for treating the prostate gland. W. D. Smith. 2,101,273; Dec. 7.
Match packet. H. C. Traute. 2,101,111; Dec. 7.
Material, Apparatus for winding. E. E. Franz. 2,101,248; Dec. 7.
Material handling apparatus. W. S. Howard. 2,101,067; Dec. 7.
Material, Making a paving. J. W. Fraser. 2,101,614; Dec. 7.
Material, Patching. D. J. Block. 2,101,607; Dec. 7.
Material, Trimming. A. Topiel. 2,101,521; Dec. 7.
Material with a liquefied reagent, Apparatus for reacting strip. E. Gebauer-Fuelnegg and E. M. Kratz. 2,101,138; Dec. 7.
Materials, Apparatus for measuring liquid or fluent. M. Vogel-Jorgensen. 2,101,257; Dec. 7.
Materials, Drying. C. S. Jennings and F. W. Gerard. 2,101,335; Dec. 7.
Materials, Electromagnetic testing of. C. Kinsley. 2,101,780; Dec. 7.
Materials, Means for use in automatically weighing predetermined quantities of discrete. E. Coubray. 2,101,384; Dec. 7.
Materials, Method of and apparatus for treating. W. Casey. 2,101,042; Dec. 7.
Materials, Pigmenting fibrous. E. Götte and W. Kling. 2,101,251; Dec. 7.
Materials, Treating leguminous. M. Bonotto. 2,101,805; Dec. 7.
Mats, Apparatus for manufacturing. H. M. Pryale and S. C. Clark. 2,101,508; Dec. 7.
Measuring instrument. H. A. Toulmin, Jr. 2,101,203; Dec. 7.
Mercaptans, Production of. R. Reuter and F. L. Gaus. 2,101,096; Dec. 7.
Mercury switch. U. C. Hedin and C. H. Larson. 2,101,824; Dec. 7.
Merry-go-round. H. J. Niebuhr. 2,101,719; Dec. 7.
Metal, Joining lengths of. H. J. Sharp. 2,101,349; Dec. 7.
Meters, Method and apparatus for calibrating and proving. A. D. MacLean. 2,101,745; Dec. 7.
Milk, Treating. E. W. Smith. 2,101,103; Dec. 7.
Mill: *See*—
Cross-roll mill.
Rolling mill.
Tumbling mill.
Mitten, Dusting. D. Karger. 2,101,027; Dec. 7.
Milling machine transmission and control mechanism. H. R. Isler. 2,101,544; Dec. 7.
Mineral separator. J. Broatch. 2,101,572; Dec. 7.
Mixing machine. F. J. Bullock and W. H. Preston. 2,101,490; Dec. 7.
Mold: *See*—
Chill mold.
Hydraulic mold.
Mold-flask separator. A. H. Feldman. 2,101,776; Dec. 7.
Molds, Apparatus for producing. H. F. Hagemeyer. 2,101,677; Dec. 7.
Molds used for casting metal pipes and the like by the centrifugal method, Manufacture of. A. J. van Zijp. 2,101,726; Dec. 7.
Molding composition. E. Elbel and F. Seebach. 2,101,642; Dec. 7.
Molding compositions and molding. D. E. Strain. 2,101,107; Dec. 7.
Monoamides of dicarboxylic acids and preparing the same. P. L. Salzberg. 2,101,323; Dec. 7.
Monomethyl-para-aminophenol and its sulphate, Manufacture of. S. Norman. 2,101,749–50; Dec. 7.
Motor: *See*—
Electric motor.
Geared motor.
Hydraulic motor.
Synchronous motor.
Motor propelled wheeled roller. B. Moore, Jr. 2,101,150; Dec. 7.
Mounting for bread slicing knife frames, Guide. N. W. Lyon. 2,101,402; Dec. 7.
Mounting, Gear shift lever. B. H. Anibal. 2,101,727; Dec. 7.
Mounting, Linter gin rib. G. C. Morgan. 2,101,151; Dec. 7.
Mounting, Panel. C. G. Duffy. 2,101,612; Dec. 7.
Mounting, Rock drill. J. C. Curtis. 2,101,672; Dec. 7.
Mower, Lawn. A. L. Haugen. 2,101,739; Dec. 7.
Muffler. O. C. Fischer. 2,101,389; Dec. 7.
Muzzle attachment for guns. S. G. Green. 2,101,063; Dec. 7.
Neck construction for a stringed musical instrument. R. Dopyera. 2,101,364; Dec. 7.
Negative, Apparatus for measuring the region of density of a. K. Huber. 2,101,710; Dec. 7.
Nitrocellulose emulsion. C. B. Hollabaugh. 2,101,066; Dec. 7.
Nonfouling drill. W. Vanderpool. 2,101,566; Dec. 7.
Novelty display. M. Y. Ogg. 2,101,592; Dec. 7.
Nozzle for flat-spraying appliances, Air. E. Gustafsson. 2,101,175; Dec. 7.
Nut and bolt assembling machine. H. H. Gray. 2,101,367; Dec. 7.
Nut lock. A. J. Herschmann. 2,101,678; Dec. 7.
Oil and making same, Altered tung. C. Ellis. 2,101,791; Dec. 7.
Oil conversion, Hydrocarbon. J. D. Seguy. 2,101,517; Dec. 7.
Oil dispenser. A. L. Dale. 2,101,468; Dec. 7.
Oil recovery. V. G. Lava. 2,101,371; Dec. 7.
Oils, Cracking hydrocarbon. H. C. Schutt. 2,101,800; Dec. 7.
Oils, Lubricating. J. Cole. 2,101,241; Dec. 7.
Oils, Producing lubricating. U. B. Bray and C. E. Swift. 2,101,308; Dec. 7.
Oils, Treating hydrocarbon. C. W. Nofsinger and P. C. Keith, Jr. 2,101,088; Dec. 7.
Opener, Boiled egg. C. Coppin. 2,101,212; Dec. 7.
Operating apparatus for flyer frames. E. Kato. 2,101,395; Dec. 7.
Organic compounds, Manufacture of unsaturated. J. W. C. Crawford. 2,101,821; Dec. 7.
Organisms on various plant materials, Killing and controlling. A. Horner. 2,101,584; Dec. 7.
Orifice dial valve. W. Zak. 2,101,356; Dec. 7.
Orthopedic table. W. L. Bell. 2,101,466; Dec. 7.
Oscillator and the like, Triode. Y. Rocard. 2,101,563; Dec. 7.
Oscillator for use with kinescope deflecting circuits. W. A. Tolson and J. R. Duncan. 2,101,520; Dec. 7.
Packing, Metallized fibrous. H. T. Stewart. 2,101,518; Dec. 7.
Pad: *See*—
Filter pad.
Padlock. G. F. Mayer. 2,101,264; Dec. 7.
Pail, Dinner. K. E. Porter. 2,101,281; Dec. 7.
Paper dispenser. E. T. Bodette. 2,101,307; Dec. 7.
Partition assembling and retaining fixture. A. Wiskoff. 2,101,378; Dec. 7.
Passbook or the like. T. B. Radabaugh. 2,101,292; Dec. 7.
Pavements, Process of constructing. S. E. Finley. 2,101,388; Dec. 7.
Pen, Fountain. H. S. Wright. 2,101,304; Dec. 7.
Pennant and staff means. J. A. Wolfe. 2,101,163; Dec. 7.
Percussive boring tool. H. Voigtländer. 2,101,376; Dec. 7.
Perforations of small diameter in bands of cellulose foil, metal foil and the like, Producing. A. Rambold. 2,101,753; Dec. 7.
Pessaries, Making. R. M. Hay. 2,101,255; Dec. 7.
Petroleum oils, Fractionation of. E. F. Engelke. 2,101,643; Dec. 7.
Phase modulation receiver. M. G. Crosby. 2,101,703; Dec. 7.
Piling, Tubular interlocking. E. F. Stevens. 2,101,285; Dec. 7.
Pipe: *See*—
Corn cob smoking pipe.
Pipe coupling. R. S. McKeever. 2,101,406; Dec. 7.
Pipe joint. A. E. Osborn. 2,101,155; Dec. 7.
Pipe thread protector. L. R. Schmaus. 2,101,514; Dec. 7.
Piston expander. G. J. Worel. 2,101,279; Dec. 7.
Piston ring. C. Curtis. 2,101,244; Dec. 7.
Pistons, Apparatus for making. G. H. Blettner. 2,101,043; Dec. 7.
Pistons, Casting. G. H. Blettner. 2,101,046; Dec. 7.
Piston ring. F. W. Wilkening. 2,101,120; Dec. 7.
Pistons, Making. G. H. Blettner. 2,101,044; Dec. 7.
Pitot tube. E. S. and E. S. Cole, and L. J. Hooper. 2,101,165; Dec. 7.
Plate clamp. W. Gegenheimer. 2,101,173; Dec. 7.
Plows, Auxiliary moldboard attachment for. M. E. Wagler. 2,101,661; Dec. 7.
Plug: *See*—
Connecter plug.
Plug for barrels and other tanks, fire-tube and water-tube boilers, Expansion. W. Kunze. 2,101,030; Dec. 7.
Polishing compound. H. J. Hosking. 2,101,050; Dec. 7.
Post: *See*—
Lathe tool post.
Potato chips, Making dehydrated. E. M. and F. L. Morrow. 2,101,506; Dec. 7.
Powder box. A. H. Dreux and J. N. Royal. 2,101,809; Dec. 7.
Powder dispenser. A. Vanderveld. 2,101,375; Dec. 7.
Powder puff dispenser. E. Hamer. 2,101,579; Dec. 7.
Power transmission mechanism, Synchronized. E. A. Thompson. 2,101,827; Dec. 7.
Precision grinding machine. H. H. Asbridge. 2,101,383; Dec. 7.
Prepaying machine for mail, Coin controlled. W. Friedrichs. 2,101,615; Dec. 7.
Press. A. A. Byerlein. 2,101,527; Dec. 7.
Press gauge. W. J. Mercer. 2,101,083; Dec. 7.
Pressing machine and control mechanism. J. P. Daly. 2,101,021; Dec. 7.
Prime mover governing system. V. I. Zelov. 2,101,486; Dec. 7.
Printing mechanism, Record controlled. W. Lang. 2,101,435; Dec. 7.
Printing plate and mounting the same. A. B. Davis. 2,101,052; Dec. 7.
Prism combination for three color photography and cinematography. L. Bellingham and F. and G. F. Stanley. 2,101,728; Dec. 7.
Privacy system. H. S. Osborne and S. B. Wright. 2,101,224; Dec. 7.
Products for rendering the urine bacteriostatic. T. H. Rider, R. Shelton, and J. Haynes. 2,101,097; Dec. 7.
Propeller, Reversible. S. M. F. Engdahl. 2,101,535; Dec. 7.
Protector: *See*—
Pipe thread protector.
Thread protector.
Proteins, Hardening of. C. Dangelmajer. 2,101,574; Dec. 7.

Pulley. E. Yarnell. 2,101,771; Dec. 7.
Pulley, Variable speed. O. E. Pensbee. 2,101,594; Dec. 7.
Pulp, Bleaching of. J. A. Extrom and H. Martin. 2,101,706; Dec. 7.
Pulper. H. R. Lewis. 2,101,620; Dec. 7.
Pump: *See*—
Fuel pump. Rodless pump.
Pump or motor, High pressure hydraulic. E. K. Benedek. 2,101,730; Dec. 7.
Pump or motor, Hydraulic. E. K. Benedek. 2,101,729; Dec. 7.
Rack: *See*—
Barrel rack.
Slide staining and heating rack.
Rack for cooking utensils. C. R. Anderson. 2,101,487; Dec. 7.
Radio communication system. J. B. Bishop and W. M. Knott. 2,101,668; Dec. 7.
Radio transmission and reception. H. B. Breedlove. 2,101,529; Dec. 7.
Radio transmitting apparatus, Short wave. A. A. Linsell. 2,101,440; Dec. 7.
Rail brace. R. L. Gillispie. 2,101,313; Dec. 7.
Rail supporting and retaining means. V. C. Armstrong. 2,101,038; Dec. 7.
Rails, Cooling. R. B. Gerhardt. 2,101,312; Dec. 7.
Rails, Treating. J. Brunner and A. D. Beers. 2,101,047; Dec. 7.
Railing and manufacture thereof. W. B. Ewing. 2,101,707; Dec. 7.
Raking mechanism for sedimentation tanks. N. B. Lund. 2,101,080–1; Dec. 7.
Receptacle and closure. W. Lockhart. 2,101,813–4; Dec. 7.
Receptacle holder. W. G. Bryant. 2,101,526; Dec. 7.
Recorder: *See*—
Time recorder.
Recorder for cameras, Safety exposure. B. Robles. 2,101,652; Dec. 7.
Rectifying system. H. Winograd. 2,101,802; Dec. 7.
Reflector and sign, Ornamental. D. A. Wing. 2,101,162; Dec. 7.
Refrigerant system and apparatus. M. A. Martin. 2,101,261; Dec. 7.
Refrigerating apparatus. A. O. Grooms. 2,101,498; Dec. 7.
Refrigerating machine. C. Steenstrup. 2,101,656; Dec. 7.
Refrigerator. W. B. Rulon. 2,101,512; Dec. 7.
Refrigerator hatch arrangement. A. W. L. Hartbauer. 2,101,368; Dec. 7.
Regenerator. W. A. Morton. 2,101,817; Dec. 7.
Relief valve. E. Klafstad. 2,101,682; Dec. 7.
Resin dehydration. H. L. Bender. 2,101,635; Dec. 7.
Resins, Processing of hydrocarbon. T. F. Nealon. 2,101,558; Dec. 7.
Resins, Producing synthetic. W. Frankenburger, H. Hammerschmid, and G. Roessler. 2,101,332–3; Dec. 7.
Reversible reduction gear. E. W. Brasfield. 2,101,774; Dec. 7.
Rheostat or potentiometer. J. Marsten. 2,101,441; Dec. 7.
Ring: *See*—
Curling ring. Piston ring.
Roasting apparatus. A. C. Waldvogel. 2,101,417; Dec. 7.
Rodless pump. W. N. Huff. 2,101,218; Dec. 7.
Roller: *See*—
Motor propelled wheeled roller.
Rolling mill. J. J. Munson. 2,101,266; Dec. 7.
Roof, Car. C. D. Bonsall. 2,101,360; Dec. 7.
Rubber articles, Apparatus for molding and ornamenting. R. H. Guinzburg. 2,101,252; Dec. 7.
Rubber coated article and manufacturing same. A. J. Keeney. 2,101,714; Dec. 7.
Safe. C. K. Ernst. 2,101,470; Dec. 7.
Safety device for coiling machines. J. F. Donovan and G. Illingworth. 2,101,382; Dec. 7.
Sanding machine. F. O. Albertson. 2,101,305; Dec. 7.
Sash balance, Window. M. J. Gossen. 2,101,577; Dec. 7.
Sawing or filing machine. E. C. Oliver. 2,101,507; Dec. 7.
Scale, Recording. K. Rauch. 2,101,452; Dec. 7.
Scooter, Ice or snow. R. O. and C. H. Anderson. 2,101,229; Dec. 7.
Screen: *See*—
Well screen.
Seal. H. Leach. 2,101,586; Dec. 7.
Seal for percolators. A. A. Warner. 2,101,324; Dec. 7.
Seal, Impression. T. B. Wilder. 2,101,119; Dec. 7.
Sealing device. C. A. Stuart. 2,101,415; Dec. 7.
Sealing-off apparatus. M. de Neumann. 2,101,673; Dec. 7.
Seat: *See*—
Gunner's seat.
Seat adjuster. E. G. Simpson and A. C. Andersen. 2,101,350; Dec. 7.
Securing mechanism for automobile doors. J. Mistretta. 2,101,035; Dec. 7.
Sedimentation apparatus. N. B. Lund. 2,101,079; Dec. 7.
Seismic surveying method. D. S. Muzzey, Jr. 2,101,408; Dec. 7.
Selective device, Combined magnetostriction and piezo-electric. H. J. Scott. 2,101,272; Dec. 7.
Selector for sorting machines. E. Rose. 2,101,456; Dec. 7.
Separator: *See*—
Mineral separator. Mold-flask separator.
Separators, Making ribbed. L. E. Wells. 2,101,206; Dec. 7.
Serving device. L. A. Leppke. 2,101,401; Dec. 7.
Sheet piling mechanism. A. Broadmeyer. 2,101,328; Dec. 7.
Sheets, Apparatus for plating. G. B. Hogaboom and W. F. Hall. 2,101,178; Dec. 7.
Sheeter. W. H. Engel. 2,101,170; Dec. 7.
Shellac substitute and producing the same. W. Krumbhaar. 2,101,398; Dec. 7.
Ship, High speed seagoing. R. Engelmann. 2,101,613; Dec. 7.
Shirt, Mechanical adjustable. R. Alston. 2,101,380; Dec. 7.
Shock absorber. J. Mercier. 2,101,265; Dec. 7.
Shock absorber. H. Schumacher. 2,101,757; Dec. 7.
Shoe, Athletic. E. Smith. 2,101,723; Dec. 7.
Shoe structure. J. Taraci. 2,101,693; Dec. 7.
Shortening, Finishing. T. M. Godfrey and V. Serbell. 2,101,496; Dec. 7.
Shuttle box mechanism for looms. G. Wiget. 2,101,663; Dec. 7.
Shutter for radiator enclosures and the like. J. Kacena and E. E. Kelly. 2,101,797; Dec. 7.
Sight for guns, Telescopic. C. M. O'Neil. 2,101,037; Dec. 7.
Signal: *See*—
Light signal.
Signaling device, Protective. R. L. Clingerman. 2,101,049; Dec. 7.
Signaling, Directive. A. Leib. 2,101,436; Dec. 7.
Signaling system. W. M. Bacon. 2,101,209; Dec. 7.
Signaling with ultrashort waves, Apparatus for. E. Wilckens. 2,101,785; Dec. 7.
Silk in wound form suitable for the textile industry, Direct production of artificial. B. Borzykowski. 2,101,361; Dec. 7.
Silk, Manufacture of artificial. L. H. Ryan. 2,101,720; Dec. 7.
Silo. G. A. Olbrich. 2,101,036; Dec. 7.
Slicer and detachable shredding set, Corrugated. G. Potstada. 2,101,595; Dec. 7.
Slicing machine. S. D. Rosenstone and C. Ackerman. 2,101,755; Dec. 7.
Slide staining and heating rack. A. Whiteman. 2,101,161; Dec. 7.
Sluice gate. T. Becher. 2,101,234; Dec. 7.
Smoking pipe. C. A. Facer. 2,101,387; Dec. 7.
Snare for drums. G. H. Logan. 2,101,784; Dec. 7.
Snow moving device. E. W. Austin. 2,101,666; Dec. 7.
Socket for tubular lamps. K. Wiegand. 2,101,662; Dec. 7.
Socket, Slip. L. V. Mallory. 2,101,815; Dec. 7.
Soldering iron, Automatic constant heat electric. E. B. Moore. 2,101,445; Dec. 7.
Soles, Method of and apparatus for operating on unattached. C. E. Hood. 2,101,179; Dec. 7.
Solvent refining of mineral oil. J. H. Grahame. 2,101,497; Dec. 7.
Sound deadening construction. F. R. Woodbury. 2,101,568; Dec. 7.
Sound muffling device. U. Schmidt. 2,101,460; Dec. 7.
Sound recording and reproducing equipment. H. H. Wixon. 2,101,121; Dec. 7.
Spark chamber for automatic cut-outs. W. Leyhausen. 2,101,783; Dec. 7.
Spirit level and mounting. A. Langsner. 2,101,077; Dec. 7.
Spray compound, Parasiticidal. F. F. Lindstaedt. 2,101,373; Dec. 7.
Spring. K. Scharfenberg. 2,101,721; Dec. 7.
Spring structure. L. A. Young. 2,101,124; Dec. 7.
Spring suspension for trailers. T. H. Jacob. 2,101,545; Dec. 7.
Sprinkler head. E. Tyden. 2,101,694; Dec. 7.
Sprocket and guide wheel, Combined. A. W. Nisbet. 2,101,685; Dec. 7.
Stamp support. R. O. Morgan. 2,101,623; Dec. 7.
Standard cranial point of orientation, Apparatus for establishing a. E. W. Snell. 2,101,105; Dec. 7.
Stapling machine for closing flaps of cartons or the like. M. Bogel. 2,101,660; Dec. 7.
Starter, Engine. J. Ayres. 2,101,606; Dec. 7.
Steaming and pressing machine. W. H. Shields. 2,101,655; Dec. 7.
Stepladder attachment. A. DeFranco. 2,101,245; Dec. 7.
Stone box. P. R. Parker. 2,101,091; Dec. 7.
Stove for domestic purposes. I. Räsänen. 2,101,509; Dec. 7.
Stove top. H. W. Miller. 2,101,590; Dec. 7.
Strainer, Milk. W. Wolfe. 2,101,770; Dec. 7.
Strip feeding mechanism for writing machines. W. E. Gochnauer. 2,101,334; Dec. 7.
Strip, Window. J. Brunnhuber and J. Schmid. 2,101,733; Dec. 7.
Superheater boiler. T. B. Stillman. 2,101,106; Dec. 7.

Support: *See*—
Flexible seat support. Stamp support.
Support for fishing reels. J. Grahame. 2,101,174; Dec. 7.
Supporting device. B. S. Minters. 2,101,474; Dec. 7.
Supporting mechanism for cabinet ironers. J. W. Jensen and A. J. Shute. 2,101,142; Dec. 7.
Surface forming machine. J. Y. Blazek and R. G. Anderson. 2,101,569; Dec. 7.
Sweeper attachment for motor vehicles. A. J. Westmoreland. 2,101,769; Dec. 7.
Switch: *See*—
Coin actuated switch. Liquid contact switch.
Electric switch. Mercury switch.
Electrical switch. Thermal control switch.
Switch and method of and apparatus for manufacture of same, Fluid flow electric. W. R. Walker. 2,101,114; Dec. 7.
Switch of the fluid flow type, Electric. W. R. Walker. 2,101,115; Dec. 7.
Synchronous motor. R. G. Arey and H. T. Faus. 2,101,665; Dec. 7.
Syringe device, Automatic injecting. R. W. Hege. 2,101,140; Dec. 7.
Table: *See*—
Collapsible and separable table. Orthopedic table.
Table top. J. Traficante. 2,101,725; Dec. 7.
Tally roll mechanism. M. H. Mann. 2,101,747; Dec. 7.
Tank cap lock, Radiator or gas. T. Schellinger. 2,101,348; Dec. 7.
Tap. W. C. Robinette. 2,101,347; Dec. 7.
Tape condenser. H. H. Knight. 2,101,370; Dec. 7.
Target range finder, Night. C. H. Schenk. 2,101,479; Dec. 7.
Telegraph receiver, Carrier. T. A. Jones. 2,101,256; Dec. 7.
Telegraph signal repeating system. G. C. Cummings. 2,101,243; Dec. 7.
Telephone apparatus, Substation. L. J. J. Schreiber. 2,101,271; Dec. 7.
Telephone system. F. A. Korn. 2,101,258; Dec. 7.
Temperature control container. J. L. Finch and L. L. Young. 2,101,135; Dec. 7.
Templet, Adjustable. F. Reich. 2,101,478; Dec. 7.
Tensioning apparatus for meat and bone cutting machines. F. Ponton. 2,101,343; Dec. 7.
Testing machine for shock absorbers and the like. L. E. Willard. 2,101,228; Dec. 7.
Textile lubrication. V. Conquest. 2,101,532; Dec. 7.
Thermal control switch. O. J. Ostlind. 2,101,475; Dec. 7.
Thermostat, Multiple action. G. H. Davis. 2,101,637; Dec. 7.
Thermostatic speed control. S. R. Oldham. 2,101,447; Dec. 7.
Thread, Apparatus for determining variations in thickness of thread. H. P. Lubn. 2,101,260; Dec. 7.
Thread protector. E. J. Protin. 2,101,451; Dec. 7.
Threads, fibers, and the like, Producing artificial. M. Günther and J. Eggert. 2,101,253; Dec. 7.
Threads, Manufacture of elastic. R. and J. Pickles. 2,101,752; Dec. 7.
Throttle control, Automatic. E. A. Winfield. 2,101,605; Dec. 7.
Ticket printing machine. J. W. Miles. 2,101,444; Dec. 7.
Tie for concrete forms. D. C. Hungerford. 2,101,141; Dec. 7.
Time indicator for sounding apparatus, Electric. L. A. M. J. Laboureur and R. Dubois. 2,101,076; Dec. 7.
Time recorder, Workman's. E. G. Watkins and J. A. Dell. 2,101,205; Dec. 7.
Time system. L. S. Harrison. 2,101,432; Dec. 7.
Tip for suspender cords, Attaching. L. J. Josephs. 2,101,681; Dec. 7.
Toaster, Automatic. M. H. Graham. 2,101,062; Dec. 7.
Toasting apparatus. C. W. Malmquist. 2,101,504; Dec. 7.
Toilet paper holder. E. P. Clemson. 2,101,531; Dec. 7.
Tone control device. R. Rechnitzer. 2,101,688; Dec. 7.
Tool: *See*—
Lathe tool. Percussive boring tool.
Machine tool.
Tool for boring, sawing, and rasping wood and like materials, Hand. 2,101,583; Dec. 7.
Tool with work clamps, Automatic machine. E. J. Kingsbury. 2,101,396; Dec. 7.
Tooth cleanser, Sanitary. L. L. DeRome. 2,101,363; Dec. 7.
Toy airplane. W. J. Walter. 2,101,276; Dec. 7.
Toy, Aquatic. B. L. Gordon, Jr. 2,101,646; Dec. 7.
Tracer mechanism for duplicating machines. E. K. Johansen. 2,101,712; Dec. 7.
Track for vehicles, Endless. A. Kegresse. 2,101,618; Dec. 7.
Tractor and trailer. F. F. Field, Jr. 2,101,793; Dec. 7.
Tractor construction. E. O. Sarff. 2,101,631; Dec. 7.
Traffic controlling apparatus, Railway. H. C. Vantassel. 2,101,204; Dec. 7.
Traffic signal system. C. B. Watson. 2,101,697; Dec. 7.
Trailer hitch coupling. R. R. D. Milligan. 2,101,622; Dec. 7.
Transmission. T. L. Fawick. 2,101,134; Dec. 7.
Transmission, Automotive. P. L. Tenney. 2,101,765; Dec. 7.
Transmission control in signaling systems. A. C. Dickieson. 2,101,246; Dec. 7.
Transmission, Hydraulic. W. Ferris, J. K. Douglas, and G. H. Foblan. 2,101,495; Dec. 7.
Transmission means, Variable. C. Bancroft. 2,101,233; Dec. 7.
Transportation system and apparatus. J. P. Hubbell. 2,101,711; Dec. 7.
Transportation system, High speed. J. O. Heinze. 2,101,024; Dec. 7.
Trap: *See*—
Animal trap.
Trap. L. Benson. 2,101,788; Dec. 7.
Trap. L. J. Cheek. 2,101,609; Dec. 7.
Tray, Service. B. M. Offutt. 2,101,686; Dec. 7.
Trimming device. L. T. Sachtleben. 2,101,458; Dec. 7.
Tube: *See*—
Electric discharge tube. Pitot tube.
Tubular article and making same, Flanged. C. R. Duncan. 2,101,311; Dec. 7.
Tumbling mill. N. Ransohoff. 2,101,196; Dec. 7.
Turbine control, Elastic fluid. W. Guilhauman. 2,101,676; Dec. 7.
Typewriter. T. R. Arden. 2,101,231; Dec. 7.
Typewriters, System of operation of. W. S. Lemmon, C. J. Fitch, and R. F. Walz. 2,101,437; Dec. 7.
Umbrella structure. H. E. Rathbun. 2,101,510; Dec. 7.
Undergarment, Lady's. T. J. Smutny. 2,101,604; Dec. 7.
Urea-formaldehyde condensation products. D. E. Edgar. 2,101,534; Dec. 7.
Utility holder. C. W. Cogswell. 2,101,492; Dec. 7.
Vacuum cleaner. D. M. Dow. 2,101,575; Dec. 7.
Vacuum cleaner appliance. L. O. McCracken. 2,101,222; Dec. 7.
Valve: *See*—
Orifice dial valve. Relief valve.
Valve. A. E. Kettnich. 2,101,316; Dec. 7.
Valve device, Temperature relief. L. D. Lovekin. 2,101,338; Dec. 7.
Valve, Pressure. N. C. Hunt and S. C. Chessman. 2,101,025; Dec. 7.
Vehicle, Motor. J. M. Christman. 2,101,130; Dec. 7.
Vehicle, Motor. B. Fuller. 2,101,057; Dec. 7.
Vehicle rocking apparatus. P. J. Kroll. 2,101,397; Dec. 7.
Vehicle structure, Carrier. D. L. Reynolds. 2,101,344; Dec. 7.
Vehicle wheel. L. B. McGuigan. 2,101,744; Dec. 7.
Vehicle with compressed air cooling, Motor. F. Nallinger. 2,101,627; Dec. 7.
Vending machine construction. G. J. Scofield. 2,101,420; Dec. 7.
Ventilating system for arc lamps. W. D. Brenkert. 2,101,638; Dec. 7.
Vise. H. M. Johnston. 2,101,434; Dec. 7.
Wall construction. F. M. Venzie. 2,101,416; Dec. 7.
Washer: *See*—
Ceiling washer.
Washing machine. A. A. Aldridge. 2,101,634; Dec. 7.
Wasp excluder for air brakes. T. Everett. 2,101,214; Dec. 7.
Water heater, Electric. F. W. Scharf. 2,101,691; Dec. 7.
Water, Treatment of boiler. C. W. Rice. 2,101,197; Dec. 7.
Wave modulation. K. Fritz. 2,101,137; Dec. 7.
Waxing device. R. B. Kingman. 2,101,072; Dec. 7.
Weather strip. G. F. Wolff and W. Congreve. 2,101,278; Dec. 7.
Weighing and packaging machine, Automatic. T. Rapp. 2,101,561; Dec. 7.
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Window, Double. J. K. Ames. 2,101,803; Dec. 7.
Wiper, Windshield. T. B. Bowen. 2,101,773; Dec. 7.
Wrappers, Production of. A. Rambold. 2,101,225; Dec. 7.
Wood, Compressing. R. N. Hartzell. 2,101,542; Dec. 7.
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X-ray apparatus. M. Morrison. 2,101,152; Dec. 7.
X-ray unit, Shockproof. A. H. Laidig. 2,101,143; Dec. 7.
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CLASSIFICATION OF PATENTS

ISSUED DECEMBER 7, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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163: 2,101,155
177: 2,101,406
201: 2,101,311
287— 53: 2,101,679
2,101,684
288— 1: 2,101,518
292— 144: 2,101,758
294— 33: 2,101,526
102: 2,101,815
295— 36: 2,101,650
296— 65: 2,101,210
299— 121: 2,101,694
140.1: 2,101,164
2,101,175
301— 6: 2,101,505
9: 2,101,744
302— 64: 2,101,091
303— 1: 2,101,214
80: 2,101,708
305— 8: 2,101,618
308— 9: 2,101,266
184: 2,101,346
242: 2,101,759
309— 12: 2,101,279
23: Re.20,574
41: 2,101,244
45: 2,101,120
311— 4: 2,101,573
5: 2,101,174
22: 2,101,686
41: 2,101,725
312— 28: 2,101,142
61: 2,101,307
65: 2,101,420
162: 2,101,230
166: 2,101,571
173: 2,101,702
189: 2,101,465

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Capsules containing fish liver oil, etc. Serial No. 398,551; Dec. 14. Class 6.

Addressograph-Multigraph Corporation, Euclid Village, Cleveland, Ohio. Writing fluid. Serial No. 399,544; Dec. 14. Class 11.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. Serial No. 398,448; Dec. 14. Class 46.

Andrews, E. C., Company, Cleveland, Ohio. Porch enclosures and prefabricated building structures. Serial No. 398,697; Dec. 14. Class 12.

Angel Products, Inc., New York, N. Y. Cosmetics. Serial No. 389,769; Dec. 14. Class 6.

Arex Pharmaceutical Co. (See Rocchio, Thomas A. J.)

Artaba Foods, Limited, Long Island City, N. Y. Seasoning compounds. Serial No. 386,395; Dec. 14. Class 46.

Automobile Mutual Insurance Company of America, Providence, R. I. Serial publication. Serial No. 333,213; Dec. 14. Class 38.

B & B Service Corporation, Chicago, Ill. Annual publication relating to periodicals and their advertising rates. Serial No. 397,699; Dec. 14. Class 38.

Barrett Company, The, New York, N. Y. Stains, ready mixed paints, and paint thinners. Serial No. 397,174; Dec. 14. Class 16.

Baskind, Louis, & Co., Inc., New York, N. Y. Dress, negligee, and work shirts, etc. Serial No. 398,081; Dec. 14. Class 39.

Beir, Arthur, & Co. Inc., New York, N. Y. Piece goods. Serial No. 399,029; Dec. 14. Class 42.

Belleyea Laboratories. (See Gamble, George.)

Bennett, George E., doing business as E. W. Bennett & Co., San Francisco, Calif. Polish. Serial No. 397,836; Dec. 14. Class 16.

Billings & Spencer Company, The, Hartford, Coun. Wrenches. Serial No. 398,660; Dec. 14. Class 23.

Bilofsky, Maxwell M., New York, N. Y. Radio tubes. Serial No. 397,700; Dec. 14. Class 21.

Blaisdell Pencil Company, Philadelphia, Pa. Wood-cased lead pencils. Serial No. 396,801; Dec. 14. Class 37.

Bubble Up Company. (See Schneeberger, Leroy O.)

Burberrys Limited, London, England. Cloths, and stuffs in the piece. Serial No. 398,457; Dec. 14. Class 42.

Cape Cod Cooks. (See Waugh, William C.)

Carleton Sportswear, Inc., New York, N. Y. Women's and misses' coats, suits, dresses, etc. Serial No. 398,803; Dec. 14. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial Nos. 398,804–5; Dec. 14. Class 42.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 398,807; Dec. 14. Class 42.

Celotex Corporation, The, Chicago, Ill. Structural wall surfacing, sound absorbing and decorative materials. Serial No. 395,377; Dec. 14. Class 12.

Champion Laboratories Inc., Meriden, Conn. Key chains and key rings. Serial No. 397,326; Dec. 14. Class 13.

Character Sales Corporation, New York, N. Y. Coffee. Serial No. 399,034; Dec. 14. Class 46.

Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. House numbers and letters and lawn sprinklers. Serial No. 398,554; Dec. 14. Class 13.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 398,341; Dec. 14. Class 39.

Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Overcoats, topcoats, and suits. Serial No. 398,757; Dec. 14. Class 39.

Commodore Woolen Co., New York, N. Y. Woolen fabrics in the piece. Serial No. 399,166; Dec. 14. Class 42.

Compania de Productos Marinos, S. A., Ensenada, Mex. Canned shellfish. Serial No. 397,612; Dec. 14. Class 46.

Congratulations, Inc., New York, N. Y. Magazines and periodicals. Serial No. 395,500; Dec. 14. Class 38.

Conn, C. G., Ltd., Elkhart, Ind. Cornets, trumpets, fluegelhorns, etc. Serial Nos. 398,560–3; Dec. 14. Class 36.

Continental Lithograph Corporation, Cleveland, Ohio. Prints, lithographs, posters, etc. Serial No. 394,128; Dec. 14. Class 38.

Cosmo Dress, Inc., New York, N. Y. Dresses. Serial No. 398,839; Dec. 14. Class 39.

Coward Shoe Inc., The, New York, N. Y. Leather shoes. Serial No. 396,402; Dec. 14. Class 39.

Crown Cork & Seal Company, Inc., Baltimore, Md. Jar sealing rings. Serial No. 396,868; Dec. 14. Class 35.

Crown Cork & Seal Company, Inc., Baltimore, Md. Glass jars. Serial No. 397,959; Dec. 14. Class 33.

Cudahy Packing Company, The, Chicago, Ill. Dressed poultry. Serial No. 397,279; Dec. 14. Class 46.

Cutter Laboratories, Berkeley, Calif. Antigen. Serial Nos. 390,632–3; Dec. 14. Class 6.

Cutter Laboratories, Berkeley, Calif. Gonadotropic hormone. Serial No. 390,634; Dec. 14. Class 6.

Cutter Laboratories, Berkeley, Calif. Solution for the treatment of wounds. Serial No. 390,637; Dec. 14. Class 6.

Dean Rubber Manufacturing Company, North Kansas City, Mo. Prophylactic rubber articles. Serial No. 398,892; Dec. 14. Class 44.

Diamond State Brewery, Inc., Wilmington, Del. Beer. Serial No. 387,780; Dec. 14. Class 48.

Dick, A. B., Company, Chicago, Ill. Cushion sheets used in preparation of stencils. Serial No. 398,424; Dec. 14. Class 37.

Dick, A. B., Company, Chicago, Ill. Flexible covers for duplicating machines. Serial No. 398,566; Dec. 14. Class 50.

Dick, A. B., Company, Chicago, Ill. Plates for making stencils. Serial No. 398,714; Dec. 14. Class 50.

Dick, A. B., Company, Chicago, Ill. Interleaving blotters and separators. Serial No. 398,760; Dec. 14. Class 37.

Divine Brothers Company, Utica, N. Y. Truck casters. Serial No. 394,404; Dec. 14. Class 19.

Drake Supply Co., Los Angeles, Calif. Wire rope. Serial No. 392,918; Dec. 14. Class 7.

Driwood Corporation, New York, N. Y. Partitions, doors, wood molding, etc. Serial No. 398,452; Dec. 14. Class 12.

Eagle Signal Corporation, Moline, Ill. Traffic signals, signal controllers, sign flashers, etc. Serial No. 397,110; Dec. 14. Class 21.

Eastern Coal Corporation, Bluefield, W. Va. Bituminous coals. Serial No. 398,393; Dec. 14. Class 1.

Eaton Manufacturing Company, Cleveland, Ohio. Lock washers. Serial No. 398,195; Dec. 14. Class 13.

Electric Razor Corporation, Chicago, Ill. Electric dry shavers. Serial No. 397,649; Dec. 14. Class 23.

Elliott, Clarence V., Los Angeles, Calif. Instruments for exhaust gas analysis. Serial No. 398,615; Dec. 14. Class 26.

Ellis, T. M., Jr., doing business as Shekels Advertising Company, Beloit, Wis. Display signs and boards and portable rotary wheels containing indicia. Serial No. 398,187; Dec. 14. Class 50.

Eureka Feed Mills. (See Wilson, John M.)

Exhibit Supply Company, The, Chicago, Ill. Amusement apparatus. Serial No. 399,404; Dec. 14. Class 22.

Everly Aircraft Corp., Salem, Oreg. Airplane amusement devices. Serial No. 398,531; Dec. 14. Class 22.

Franklin Research Company, Philadelphia, Pa. Wax or similar preservative and protective compositions for applying finishing coatings to real or imitation leather and rubber. Serial No. 398,428; Dec. 14. Class 16.

Fuji Trading Company, The, Chicago, Ill. Chop suey sauce, canned bean sprouts, canned chow mein noodles, etc. Serial No. 393,981; Dec. 14. Class 46.

Gamble, George, doing business as Belleyea Laboratories, Boston, Mass. Compacts. Serial No. 396,986; Dec. 14. Class 6.

Garcia Grande Cigars, Incorporated, New York, N. Y. Cigars. Serial No. 398,312; Dec. 14. Class 17.

Georgia Kaolin Company, Elizabeth, N. J. Clay. Serial No. 398,769; Dec. 14. Class 1.

Gertz, B., Inc., Jamaica, N. Y. Suits, overcoats, topcoats, etc. Serial Nos. 397,248–9; Dec. 14. Class 39.

Goldman, Louis M., doing business as Lou Bob Company, Chicago, Ill. Lubricating oils. Serial No. 398,353; Dec. 14. Class 15.

Gratz, Wm. R., Import Co., New York, N. Y. Wood wind and metal wind instruments. Serial No. 397,847; Dec. 14. Class 36.

Green, Helen J., Akron, Ohio. Beauty cream, cosmetic lotion, cosmetic oil, etc. Serial No. 398,537; Dec. 14. Class 6.

Haband Company, Paterson, N. J. Neckties, hosiery, mufflers, etc. Serial No. 397,803; Dec. 14. Class 39.

Hall Hardware Company, Minneapolis, Minn. Lubricating oils and greases. Serial No. 399,354; Dec. 14. Class 15.

Harry, Carl L., Mount Healthy, Ohio. Bowling alley. Serial No. 398,354; Dec. 14. Class 22.

Hearst Publications, Incorporated, San Francisco, Calif. Column published in its daily newspaper. Serial No. 398,139; Dec. 14. Class 38.

Heeren, Ernest R., doing business as Soxseal Company, Long Island City, N. Y. Mastic for use as a surfacing material etc. Serial No. 397,662; Dec. 14. Class 12.

Herbert, John M., doing business as Herbert Manufacturing Co., Shreveport, La. Artificial fishing bait. 398,573; Dec. 14. Class 22.

Hoffmann-La Roche, Inc., Nutley, N. J. Chocolate base food supplement. Serial No. 399,357; Dec. 14. Class 46.

Hoffmann-La Roche, Inc., Nutley, N. J. Pharmaceutical preparation. Serial No. 399,358; Dec. 14. Class 6.

Hudson Motor Car Company, Detroit, Mich. Passenger automobiles. Serial Nos. 398,105–6; Dec. 14. Class 19.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hygrade Sylvania Corporation, Salem, Mass. Radio transmitting tubes, power amplifier tubes, space discharge tubes, etc. Serial No. 356,842; Dec. 14. Class 21.
Ideal Fastener Corporation, New York, N. Y. Slide fastener assemblies. Serial No. 390,213; Dec. 14. Class 13.
Indestro Manufacturing Corp., Chicago, Ill. Wrench socket kits. Serial No. 398,579; Dec. 14. Class 23.
Ingersoll-Rand Company, New York, N. Y. Air-feed hammer-drills. Serial No. 396,719; Dec. 14. Class 23.
Italian Swiss Colony, San Francisco, Calif. Wines. Serial No. 397,118; Dec. 14. Class 47.
Johnson-Stephens & Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 379,098; Dec. 14. Class 39.
Justin, H. J., and Sons Inc., The, Fort Worth, Tex. Leather shoes. Serial No. 397,099; Dec. 14. Class 39.
K-Nine Diner Corporation, Cleveland, Ohio. Trays, troughs, receptacles, etc. Serial No. 397,445; Dec. 14. Class 2.
Kamm & Schellinger Company, Inc., Mishawaka, Ind. Beer. Serial No. 399,303; Dec. 14. Class 48.
Knappen Company, doing business as Knappen Milling Company, Augusta, Mich. Wheat flour and cake flour. Serial No. 386,035; Dec. 14. Class 46.
Laucks, I. F., Inc., Seattle, Wash. Wall coating material. Serial Nos. 398,623–4; Dec. 14. Class 16.
Lebell, Frank, doing business as Lebell Specialty Company, Los Angeles, Calif. Cake. Serial No. 396,860; Dec. 14. Class 46.
Lee County Packing Company, Fort Myers, Fla. Fresh oranges, lemons, limes, etc. Serial No. 398,909; Dec. 14. Class 46.
Level Hat Co., Inc., South Norwalk, Conn. Men's hats. Serial No. 394,844; Dec. 14. Class 39.
Levy, Jacob H., Cleveland, Ohio. Overalls, jumpers, overall-coats, and children's play suits. Serial No. 388,323; Dec. 14. Class 39.
Lou Bob Company. (See Goldman, Louis M.)
Mailinson, Geo. E., Importing Co., Inc., New York, N. Y. Rugs, carpets, and floor coverings. Serial No. 398,817; Dec. 14. Class 42.
Manhattan Shirt Company, The, New York, N. Y. Outer shirts. Serial No. 396,742; Dec. 14. Class 39.
Marvellash Company. (See Sharp, Edward A., Jr.)
Massey-Harris Company, The, Racine, Wis. Farm tractors and parts thereof. Serial No. 398,582; Dec. 14. Class 23.
Matson, Charles H., New York, N. Y. Preparation for congestion and inflammation, colds, etc. Serial No. 396,743; Dec. 14. Class 6.
McDonald Products Corporation, Buffalo, N. Y. Ash trays and receptacles, smoking stands, etc. Serial No. 393,225; Dec. 14. Class 8.
McKeever, T. D., Los Angeles, Calif. Swim suits, outer shorts, play suits, etc. Serial No. 397,857; Dec. 14. Class 39.
Megowen-Educator Food Company, Cambridge, Mass. Crackers and biscuits. Serial No. 398,856; Dec. 14. Class 46.
Metal Glass Products Company, Belding, Mich. Dry cleaning machines. Serial No. 395,586; Dec. 14. Class 24.
Milestone Distilling Company Incorporated, Louisville, Ky., and San Francisco, Calif. Whiskey. Serial No. 398,916–9; Dec. 14. Class 49.
Milestone Distilling Company Incorporated, Louisville, Ky., and San Francisco, Calif. Whiskey. Serial No. 399,003; Dec. 14. Class 49.
Milestone Distilling Company Incorporated, Louisville, Ky., and San Francisco, Calif. Whiskey. Serial Nos. 399,100–1; Dec. 14. Class 49.
Miller, Louis, doing business as Louis Miller and Company, New York, N. Y. Men's dress shirts. Serial No. 398,629; Dec. 14. Class 39.
Minicam Company, The, Los Angeles, Calif. Envelopes or files for negative photographic film and the like. Serial No. 397,949; Dec. 14. Class 26.
Minor, William O., Atlanta, Ga. Corrective shoes. Serial No. 390,006; Dec. 14. Class 44.
Mission Fruit & Vegetable Co., Inc., Mission, Tex. Fresh citrus fruits and fresh vegetables. Serial No. 398,401; Dec. 14. Class 46.
Morgan Crucible Company Limited, The, London, England. Sealing rings and gland rings. Serial Nos. 396,689–90; Dec. 14. Class 35.
Mosesian, Paul A., & Sons, Inc., Fresno, Calif. Fresh grapes, fresh deciduous fruits, fresh vegetables, etc. Serial No. 398,072; Dec. 14. Class 46.
Mutterperl, Sol, Inc., New York, N. Y. Ladies' handbags of imitation leather. Serial No. 396,367; Dec. 14. Class 3.
National Distillers Products Corporation, New York, N. Y. Whiskey and gin. Serial Nos. 398,481–2; Dec. 14. Class 49.
National Fabrics Corporation, New York, N. Y. Textile fabrics. Serial No. 398,923; Dec. 14. Class 42.
National Silver Company, New York, N. Y. Tableware. Serial No. 393,999; Dec. 14. Class 23.
Nord-Buttum Pearl Button Co., The, Louisiana, Mo. Case-in plastic buttons. Serial No. 397,239; Dec. 14. Class 40.
Norse Produce Co. (See Solberg, Martin.)
Ornstein, Levy & Israelson, New York, N. Y. Women's coats and suits. Serial No. 398,929; Dec. 14. Class 39.
Pan-American Color & Chemical Co., Inc., The, Paterson, N. J. Dyes and chemicals. Serial No. 396,236; Dec. 14. Class 6.
Paramount Shoe Manufacturing Company, St. Louis, Mo. Shoes. Serial No. 385,857; Dec. 14. Class 39.
Pejepscot Paper Company, Brunswick, Maine. Paper. Serial No. 397,950; Dec. 14. Class 37.
Permatex Company, Inc., Brooklyn, N. Y. Sealing composition used for relining upper false teeth dentures. Serial No. 398,405; Dec. 14. Class 44.
Pervo Company. (See Van Dulst, Herman H.)
Phillips, Dr. P., Company, Orlando, Fla. Canned and fresh citrus fruits and canned fruit juices. Serial No. 396,575; Dec. 14. Class 46.
Pickens, Waunetta, North Hollywood, Calif. Corsets. Serial No. 397,002; Dec. 14. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial Nos. 398,789–90; Dec. 14. Class 46.
Pink, Berry, New York, N. Y. Marbles. Serial No. 398,546; Dec. 14. Class 22.
Porter Screen Company, Winooski, Vt. Window screens. Serial No. 398,636; Dec. 14. Class 12.
Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. Serial No. 399,108; Dec. 14. Class 29.
Public Relations, Inc., New York, N. Y. Periodical. Serial No. 397,267; Dec. 14. Class 38.
Radio Laboratories, Inc., Seattle, Wash. Office intercommunicating telephone radio, or the like. Serial No. 395,643; Dec. 14. Class 21.
Random House, Inc., New York, N. Y. Series of books. Serial No. 397,870; Dec. 14. Class 38.
Ready Foods Company, Inc., Chicago, Ill. Canned dog food. Serial No. 397,871; Dec. 14. Class 46.
Rhea Manufacturing Company, Milwaukee, Wis. Dresses, smocks, and housecoats. Serial No. 396,578; Dec. 14. Class 39.
Rocchio, Thomas A. J., doing business as Arex Pharmaceutical Co., New York, N. Y. Cough medicine. Serial No. 397,301; Dec. 14. Class 6.
Rocquin, Camille J., doing business as Wild Rose Nursery, New Orleans, La. Prepared soil. Serial No. 397,913; Dec. 14. Class 1.
Roma Wine Company, Inc., doing business as Santa Lucia Wineries, Lodi and Fresno, Calif. Wines. Serial No. 395,433; Dec. 14. Class 47.
Rose, Don W., Cooperstown, N. Y. Fishing spoons and lures. Serial No. 398,261; Dec. 14. Class 22.
Roux Laboratories, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 389,697; Dec. 14. Class 6.
Roxseal Company. (See Heeren, Ernest R.)
St. Charles Manufacturing Co., St. Charles, Ill. Kitchen cabinets and kitchen cabinet units. Serial No. 390,888; Dec. 14. Class 32.
Salmanson & Co. Inc., New York, N. Y. Radiator shields and window ventilators. Serial No. 398,496; Dec. 14. Class 34.
Sandess Manufacturing Company, Philadelphia, Pa. Boys' clothing. Serial No. 397,357; Dec. 14. Class 39.
Santa Lucia Wineries. (See Roma Wine Company, Inc.)
Scatena Bros. Wine Co., Healdsburg, Calif. Wines. Serial No. 398,410; Dec. 14. Class 47.
Schneeberger, Leroy O., doing business as Bubble Up Company, St. Louis, Mo. Nonalcoholic beverage. Serial No. 399,154; Dec. 14. Class 45.
Sharp, Edward A., Jr., doing business as Marvellash Company, Chicago, Ill. Eyelash darkener. Serial No. 397,306; Dec. 14. Class 6.
Sheffield Gage Corporation, The, Dayton, Ohio. Gaging and measuring devices. Serial No. 390,675; Dec. 14. Class 26.
Shekels Advertising Company. (See Ellis, T. M., Jr.)
Sherwood Brothers Incorporated, Baltimore, Md. Oil burners. Serial Nos. 398,263–4; Dec. 14. Class 34.
Slickette Manufacturing Company, The, Toronto, Ontario, Canada. Rainproof apparel. Serial No. 396,424; Dec. 14. Class 39.
Slote & Klein, Inc., New York, N. Y. Belts. Serial No. 397,056; Dec. 14. Class 39.
Solberg, Martin, doing business as Norse Produce Co., New York, N. Y. Sardines. Serial No. 398,828; Dec. 14. Class 46.
Sorkin, Louis, doing business as Sorkin Music Company, New York, N. Y. Piano accordions, Vienna model accordions, stop accordions, etc. Serial No. 395,159; Dec. 14. Class 36.
Sound Products, Hollywood, Calif. Communication equipment. Serial No. 394,850; Dec. 14. Class 21.
Spatola, Joseph, Sr., doing business as Spatola Importing Company, Philadelphia, Pa. Whiskey. Serial No. 398,374; Dec. 14. Class 49.
Standard Brands Incorporated, New York, N. Y. Baking powder. Serial No. 397,233; Dec. 14. Class 46.
Standard Brands Incorporated, New York, N. Y. Dough improver. Serial No. 398,794; Dec. 14. Class 46.
Standard Garment Co. Inc., New York, N. Y. Dresses, outer-skirts, blouses, etc. Serial No. 397,156; Dec. 14. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Strouse-Baer Company, Inc., The, Baltimore, Md. Children's wash suits. Serial No. 398,549; Dec. 14. Class 39.
Superior Petticoat Company, Inc., New York, N. Y. Ladies' slips. Serial No. 398,504; Dec. 14. Class 39.
Thomas, Frank, Co., Inc., Norfolk, Va. Naval and service uniform accoutrements and paraphernalia. Serial No. 393,739; Dec. 14. Class 40.
Thomson, S. H., Mfg. Company, The, Dayton, Ohio. Electric spot lights for vehicles. Serial No. 398,694; Dec. 14. Class 21.
Treesweet Products Co., Los Angeles, Calif. Fresh citrus fruits, and canned citrus fruit juices. Serial No. 396,619; Dec. 14. Class 46.
Unexcelled Manufacturing Co., Inc., New York, N. Y. Firecrackers. Serial Nos. 399,258–9; Dec. 14. Class 9.
Universal Children's Dress Co. (See Wieder, Samuel.)
Universal Motor Oils Co., Inc., Wichita, Kans. Lubricating oils and greases, and motor fuel oil, etc. Serial No. 396,584; Dec. 14. Class 15.
Utility Fan & Manufacturing Company, Los Angeles, Calif. Ventilating, cooling, and air conditioning unit. Serial No. 395,775; Dec. 14. Class 34.
Valentine Laboratories, Inc. (See Walgreen Co.)
Van Camp Sea Food Co., Inc., Terminal Island, Calif. Vitamin potent concentrate. Serial Nos. 397,204–5; Dec. 14. Class 6.
Van Dulst, Herman H., doing business as Pervo Company, Los Angeles, Calif. Penetrating paint paste. Serial No. 397,000; Dec. 14. Class 16.
Vickery, Inez G., Chicago, Ill. Lotions and cosmetics. Serial No. 390,825; Dec. 14. Class 6.
Waer, John A., Los Angeles, Calif. Canned oils and greases for automobiles. Serial No. 393,459; Dec. 14. Class 15.
Walgreen Co., doing business as Valentine Laboratories, Inc., Chicago, Ill. Anti-pain tablet. Serial No. 397,159; Dec. 14. Class 6.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Slacks, sweat shirts, and sweaters. Serial No. 397,919; Dec. 14. Class 39.
Waugh, William C., doing business as Cape Cod Cooks, Middleboro, Mass. Clam chowder. Serial No. 396,017; Dec. 14. Class 46.
Weber, F., Co., Philadelphia, Pa. Oil colors, water colors, paints, etc. Serial No. 385,954; Dec. 14. Class 16.
West Coast-Manchester Mills, Inc., Los Angeles, Calif. Swimming suits, sweaters, dresses, etc. Serial No. 392,247; Dec. 14. Class 39.
Wieder, Samuel, doing business as Universal Children's Dress Co., New York, N. Y. Girls' dresses. Serial No. 398,798; Dec. 14. Class 39.
Wild Rose Nursery. (See Rocquin, Camille J.)
Wilson, John M., doing business as Eureka Feed Mills, Meriden, Miss. Horse and mule feed, and laying mash. Serial No. 398,512; Dec. 14. Class 46.
Wright's Underwear Co. Inc., New York, N. Y. Underwear, pajamas, sweaters, etc. Serial No. 398,184; Dec. 14. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Acosta, Numa W., doing business as Pacific Beach Barber Shop, Pacific Beach, Calif. Preparation for restoring the hair. 352,744; Dec. 14; Serial No. 384,492; published Sept. 28, 1937. Class 6.
Aluminum Cooking Utensil Company, The, New Kensington, Pa. Base metal table and cooking hollowware. 352,881; Dec. 14; Serial No. 395,601; published Oct. 5, 1937. Class 13.
Alva Tape Mills. (See Michie, Andrew Y., & Sons, Inc.)
American Ball-Mill Company, Denver, Colo. Milling machinery and parts therefor. 352,840; Dec. 14; Serial No. 394,885; published Oct. 5, 1937. Class 23.
American Viscose Corporation, Marcus Hook, Pa. Rayon yarn. 352,914; Dec. 14; Serial No. 396,060; published Oct. 5, 1937. Class 43.
Ams, Max, Incorporated, doing business as The Pittsburgh Importing and Manufacturing Co., New York, N. Y. Prune butter. 352,862; Dec. 14; Serial No. 395,391; published Oct. 5, 1937. Class 46.
Andrews-Alderfer Company, Akron, Ohio. Elastic thread. 352,836; Dec. 14; Serial No. 394,776; published Sept. 28, 1937. Class 43.
Anheuser-Busch, Incorporated, St. Louis, Mo. Malt powder for commercial baking. 352,909; Dec. 14; Serial No. 395,975; published Oct. 5, 1937. Class 46.
Anheuser-Busch, Incorporated, St. Louis, Mo. Malt powder for food confections. 352,910; Dec. 14; Serial No. 395,976; published Oct. 5, 1937. Class 46.
Arizona Publishing Company, Phoenix, Ariz. Newspaper. 352,830–1; Dec. 14; Serial Nos. 394,654–5; published Sept. 28, 1937. Class 38.
Ausenik, Alois, Tappan, N. Y. Fruit, herb, root, etc., flavoring concentrates. 352,843; Dec. 14; Serial No. 394,969; published Oct. 5, 1937. Class 46.
Avondale Mills, Birmingham, Ala. Yarns composed of rayon. 352,898; Dec. 14; Serial No. 395,939; published Oct. 5, 1937. Class 43.
Ayerst, McKenna & Harrison, Ltd., Montreal, Quebec, Canada. Medicinal preparation. 352,814; Dec. 14; Serial No. 394,396; published Sept. 28, 1937. Class 6.
Bancroft, Joseph, & Sons Co., Wilmington and Rockford, Wilmington, Del. Processed and waterproofed cotton piece goods. 352,933; Dec. 14. Class 50.
Battle Creek Dietetic Supply Co., Battle Creek, Mich. Brewer's yeast tablets, psyllium seed, ground psyllium and agar, etc. 352,764; Dec. 14; Serial No. 390,434; published Oct. 5, 1937. Class 6.
Battle Creek Dietetic Supply Co., Battle Creek, Mich. Brewer's yeast tablets, psyllium seed, ground psyllium and agar, etc. 352,765; Dec. 14; Serial No. 390,436; published Oct. 5, 1937. Class 6.
Battle Creek Food Company, The, Battle Creek, Mich. Coffee substitute. 352,923; Dec. 14; Serial No. 396,251; published Oct. 5, 1937. Class 46.
Baumgartner, Earl J., Hudson, Mich. Eyeshades. 352,854; Dec. 14; Serial No. 395,185; published Oct. 5, 1937. Class 26.
Beaulieu Vineyard, San Francisco, Calif. Wines. 352,844; Dec. 14; Serial No. 395,009; published Oct. 5, 1937. Class 47.
Belyea Company, Inc., New York, N. Y. Electrical machinery. 352,775; Dec. 14; Serial No. 391,947; published Oct. 5, 1937. Class 21.
Billy White and His Staff. (See Morris, Charles D.)
Black Products Co., Houston, Tex. Food for dogs and cats. 352,892; Dec. 14; Serial No. 395,791; published Oct. 5, 1937. Class 46.
Blanton Manufacturing Company, by change of name, to The Blanton Company, St. Louis, Mo. Oleomargarin. 109,633; renewed Apr. 11, 1936.
Borden Company, The, New York, N. Y. Chocolate flavored food drink. 352,798; Dec. 14; Serial No. 393,936; published Oct. 5, 1937. Class 46.
Boye Needle Company, The, Chicago, Ill. Hairpins, safety pins, crochet hooks, etc. 352,743; Dec. 14; Serial No. 382,112; published Sept. 21, 1937. Class 40.
Boynton & Company, Chicago, Ill. Buckles, buttons, and ornamental pins. 352,856; Dec. 14; Serial No. 395,267; published Sept. 21, 1937. Class 40.
Boynton & Company, Chicago, Ill. Ornamented and plain boxes. 352,857; Dec. 14; Serial No. 395,269; published Oct. 5, 1937. Class 2.
Brach, E. J., & Sons, Chicago, Ill. Candies. 352,782; Dec. 14; Serial No. 393,113; published Oct. 5, 1937. Class 46.
Bradley, Milton, Company, Springfield, Mass. Games. 352,882; Dec. 14; Serial No. 395,610; published Oct. 5, 1937. Class 22.
Branford Sportwear, Inc., New York, N. Y. Knitted sweaters, coats, dresses, etc. 352,807; Dec. 14; Serial No. 394,162; published Oct. 5, 1937. Class 39.
Bray & Boyer, New York, N. Y. Cleansing cream and tissue cream. 352,876; Dec. 14; Serial No. 395,560; published Oct. 5, 1937. Class 6.
C. & D. Mfg. Co. (See Harrington, Charles A.)
Calgon, Inc., Pittsburgh, Pa. Water softening and water conditioning chemical. 352,803–4; Dec. 14; Serial Nos. 394,109–10; published Oct. 5, 1937. Class 6.
Calgon, Inc., Pittsburgh, Pa. Sodium metaphosphate. 352,805–6; Dec. 14; Serial Nos. 394,111–2; published Oct. 5, 1937. Class 6.
Calgon Incorporated, Pittsburgh, Pa. Chemical compound. 352,922; Dec. 14; Serial No. 396,223; published Sept. 28, 1937. Class 6.
California Perfume Company, Inc., New York, N. Y. Perfumes. 352,845; Dec. 14; Serial No. 395,015; published Sept. 28, 1937. Class 6.
Cane Chemical Company, Inc., New York, N. Y. Liquid dog shampoo preparation. 352,890; Dec. 14; Serial No. 395,747; published Sept. 28, 1937. Class 6.
Celanese Corporation of America, New York, N. Y. Piece goods. 352,913; Dec. 14; Serial No. 396,025; published Oct. 5, 1937. Class 42.
Celotex Corporation, The, Chicago, Ill. Structural insulating slabs. 352,863; Dec. 14; Serial No. 395,399; published Sept. 28, 1937. Class 12.
Champlin, Harry, Beverly Hills, Calif. Photographic film developing solution. 352,821; Dec. 14; Serial No. 394,577; published Oct. 5, 1937. Class 6.
Cheney Brothers, South Manchester, Conn., to Cheney Brothers, New York, N. Y. Silk, foulards, florentines, etc., in the piece. 120,249; renewed Jan. 29, 1938.
Chu, Paul E., doing business as Ultra Chemical Products, Honolulu, Hawaii. Ointment for athlete's foot, corns, barber's itch, etc. 352,858; Dec. 14; Serial No. 395,284; published Oct. 5, 1937. Class 6.

Clark Brothers Chewing Gum Co., Pittsburgh, Pa. Candy coated chewing gum. 352,870; Dec. 14; Serial No. 395,472; published Sept. 7, 1937. Class 46.
Clinton, George, doing business as George Clinton Company, Wichita, Kans. Liniment. 352,799; Dec. 14; Serial No. 394,020; published Oct. 5, 1937. Class 6.
Cobb & Doflemyer, Exeter, Calif. Oranges, lemons, and grape-fruit. 121,596; renewed May 14, 1938.
Cobble Corporation, The, Des Moines, Iowa. Formed candied pop corn confection. 352,754; Dec. 14; Serial No. 388,309; published Oct. 5, 1937. Class 46.
Cohen, William, Fabrics Corporation, New York, N. Y. Piece goods. 352,887; Dec. 14; Serial No. 395,699; published Oct. 5, 1937. Class 42.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 352,926; Dec. 14; Serial No. 396,298; published Oct. 5, 1937. Class 42.
Colborn, A. B., doing business as Modernistic Beauty Service, Omaha, Nebr. Shampoo preparation. 352,849; Dec. 14; Serial No. 394,165; published Oct. 5, 1937. Class 6.
Colfax Bottling Works. (See Crisman, William C.)
Comar & Cie., S. A. R. L., Paris, France. Preparation for the treatment of syphilis and diseases having a syphilitic origin. 352,783; Dec. 14; Serial No. 393,212; published Oct. 5, 1937. Class 6.
Cookware Company of America, Hartford, Mich. Base metal cooking hollowware. 352,943; Dec. 14. Class 13.
Cooper & Cooper, Inc. (See Wren, Frank, assignor.)
Cosman, Claus A., New York, N. Y. Narrow elastic fabrics, elastic belting, etc. 352,815; Dec. 14; Serial No. 394,402; published Sept. 21, 1937. Class 40.
Cosman, Claus A., New York, N. Y. Narrow elastic fabrics. 352,855; Dec. 14; Serial No. 395,223; published Sept. 28, 1937. Class 40.
Cravenette Co., U. S. A., The, Hoboken, N. J. Woolen, worsted, hair, etc., piece goods. 121,413; renewed Apr. 30, 1938.
Crimpwick Products Company. (See Diamond, Jacob.)
Crisman, William C., doing business as Colfax Bottling Works, Colfax, Iowa. Beverages and sirups and extracts for making the same. 352,896; Dec. 14; Serial No. 395,857; published Oct. 5, 1937. Class 46.
Crowell Publishing Company, The, New York, N. Y. Periodical publication. 352,832; Dec. 14; Serial No. 394,660; published Sept. 28, 1937. Class 38.
Culwright Publishing Company, New York, N. Y. Periodical publication. 352,772; Dec. 14; Serial No. 391,178; published Sept. 28, 1937. Class 38.
Darlington Fabrics Corporation, New York, N. Y. Piece goods, wide elastic webbings, and wide elastic sheetings. 352,915; Dec. 14; Serial No. 396,066; published Oct. 5, 1937. Class 42.
Dartmouth Co-operative Society, Inc., Hanover, N. H. Skis and ski hitch brackets, bindings, poles, etc. 352,941–2; Dec. 14. Class 22.
Decatur Garment Company, Decatur, Ill. Dresses and aprons. 352,911; Dec. 14; Serial No. 395,981; published Oct. 5, 1937. Class 39.
Demonets' Incorporated, Washington, D. C. Caramels and candy. 121,417; renewed Apr. 30, 1938.
Detwiler, J. Arlington, doing business as Nearby Sales Co., Philadelphia, Pa. Canned fruits, vegetables, berries, etc. 352,877; Dec. 14; Serial No. 395,564; published Oct. 5, 1937. Class 46.
Diamond, Jacob, doing business as Crimpwick Products Company, Hyde Park, Mass. Stove wicks. 352,746; Dec. 14; Serial No. 384,689; published Oct. 5, 1937. Class 34.
Dritz-Traum Company, Inc., New York, N. Y. Glass salt and pepper sets. 352,860; Dec. 14; Serial No. 395,336; published Oct. 5, 1937. Class 2.
Effervescent Products, Inc., Elkhart, Ind. Salicylate, iodide with alkali buffers in an effervescent tablet. 352,878; Dec. 14; Serial No. 395,569; published Sept. 28, 1937. Class 6.
Ego Remedy Company, The, Salt Lake City, Utah. Remedy, liniment, and an ointment. 120,726; renewed Mar. 5, 1938.
Eisenberg, Gustave H., Long Beach, Calif. Foot ointment. 352,847; Dec. 14; Serial No. 395,110; published Sept. 28, 1937. Class 6.
Electrical Communications Division, Inc., New York, N. Y. Electric signal pickup and amplifying units. 352,850; Dec. 14; Serial No. 394,167; published Oct. 5, 1937. Class 21.
El Roy Naval Stores, Inc., Vidalia, Ga. Wood preservative and insecticide. 352,916; Dec. 14; Serial No. 396,067; published Sept. 28, 1937. Class 6.
Ex-Cell-O Aircraft & Tool Corporation, Detroit, Mich., now, by change of name, Ex-Cello-Corporation. Machines for the manufacture of paper containers, portions of such machines and individual parts thereof. 352,763; Dec. 14; Serial No. 390,268; published Oct. 5, 1937. Class 23.
F. M. R. Co., Freeport, Pa. Curtain and blind holders. 352,883; Dec. 14; Serial No. 395,640; published Oct. 5, 1937. Class 13.
Feinbeau Fabrics, New York, N. Y. Piece goods, voiles, and drapery fabrics. 352,927; Dec. 14; Serial No. 396,303; published Oct. 5, 1937. Class 42.
Fire Chief Stoker Company, St. Louis, Mo. Coal stokers and repair parts. 352,796; Dec. 14; Serial No. 393,903; published Oct. 5, 1937. Class 34.
Firth-Sterling Steel Company, McKeesport, Pa. Electric heating furnaces. 352,934; Dec. 14. Class 21.
Flood & Conklin Co., Newark, N. J. Paint-surfacer. 121,611; renewed May 14, 1938.
Fostoria Pressed Steel Corp., The, Fostoria, Ohio. Guards, brackets, assembly means therefor, etc. 352,804; Dec. 14; Serial No. 395,407; published Oct. 5, 1937. Class 23.
G. & H. Hosiery Company, Incorporated, Hickory, N. C. Hosiery. 352,899; Dec. 14; Serial No. 395,944; published Oct. 5, 1937. Class 39.
Gamble Stores Incorporated, Minneapolis, Minn. After shaving lotion, bay rum, hair oil, etc. 352,874; Dec. 14; Serial No. 395,522; published Sept. 28, 1937. Class 6.
Gang, Lipe L., Brooklyn, N. Y. Cotton and woolen piece goods. 352,897; Dec. 14; Serial No. 395,861; published Oct. 5, 1937. Class 42.
General Mills, Inc. (See Washburn Crosby Company, assignor.)
Grant, W. T., Company, New York, N. Y. Hose. 352,928; Dec. 14; Serial No. 396,311; published Oct. 5, 1937. Class 39.
Gustin, M., Co., assignor to Max Gustin, New York, N. Y. Footwear. 119,702; renewed Dec. 11, 1937.
Hall, Guy H., Los Angeles, Calif. Food lifting utensil for culinary use. 352,742; Dec. 14; Serial No. 382,093; published Oct. 5, 1937. Class 23.
Halle Bros. Co., The, Cleveland, Ohio. Perfume. 352,816; Dec. 14; Serial No. 394,458; published Oct. 5, 1937. Class 6.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Children's sleeping garments. 352,924; Dec. 14; Serial No. 396,266; published Oct. 5, 1937. Class 39.
Harkins, Robert H., doing business as Nott Manufacturing Co., New York, N. Y. Insecticide for moles, rats, mice, etc. 352,879; Dec. 14; Serial No. 395,576; published Sept. 28, 1937. Class 6.
Harrington, Charles A., doing business as C. & D. Mfg. Co., Baltimore, Md. Veterinary medicines. 352,835; Dec. 14; Serial No. 394,708; published Oct. 5, 1937. Class 6.
Hearn Department Stores, Inc., New York, N. Y. Sewing machines. 352,791; Dec. 14; Serial No. 393,709; published Oct. 5, 1937. Class 23.
Holly Hill Fruit Products, Inc., Davenport, Fla. Fresh citrus fruits. 352,748; Dec. 14; Serial No. 385,520; published Oct. 5, 1937. Class 46.
Hospital Specialty Co., Whitewater, Wis. Medicators. 352,792; Dec. 14; Serial No. 393,712; published Oct. 5, 1937. Class 44.
Hotels of the World, Inc., New York, N. Y. Monthly trade bulletins. 352,739; Dec. 14; Serial No. 375,439; published Sept. 28, 1937. Class 38.
Houghton, E. F., & Co., Philadelphia, Pa. Chlorinated hydrocarbon base for cutting oils. 352,777; Dec. 14; Serial No. 392,278; published Oct. 5, 1937. Class 6.
Houghton, E. F., & Co., Philadelphia, Pa. Chlorinated hydrocarbon base for cutting oils. 352,780; Dec. 14; Serial No. 393,035; published Oct. 5, 1937. Class 6.
Hunt, Philip A., Company, Brooklyn, N. Y. Photographic developers. 352,751; Dec. 14; Serial No. 393,079; published Sept. 28, 1937. Class 6.
Ice-Kist Packing Company, Salinas, Calif. Fresh vegetables. 352,800; Dec. 14; Serial No. 394,037; published Oct. 5, 1937. Class 46.
Insulation Development Corporation, Monroe, Mich. Thermal and sound insulating material. 352,801; Dec. 14; Serial No. 394,039; published Sept. 28, 1937. Class 12.
Interboro Decorators Inc., Brooklyn, N. Y. Tables, chairs, sofas, etc. 352,776; Dec. 14; Serial No. 391,959; published Oct. 5, 1937. Class 32.
International Looms, Inc., New York, N. Y. Carpets, rugs, and upholstery piece goods. 352,851; Dec. 14; Serial No. 395,173; published Oct. 5, 1937. Class 42.
Italian Swiss Colony, San Francisco, Calif. Wines. 352,822–3; Dec. 14; Serial Nos. 394,607–8; published Oct. 5, 1937. Class 47.
Johns-Manville Corporation, New York, N. Y. Felted mineral fibre sheets. 352,741; Dec. 14; Serial No. 380,993; published Sept. 14, 1937. Class 12.
Jones', Alfred, Sons, to Alfred Jones Company, Bangor, Maine, successor. Foods. 119,455; renewed Nov. 20, 1937.
Kalish, Ben, New York, N. Y. Fur coats, scarfs, and capes of dyed rabbit skins. 352,793; Dec. 14; Serial No. 393,713; published Oct. 5, 1937. Class 39.
Kestler, Valentine R., Jamestown, N. Y. Hand cream. 352,753; Dec. 14; Serial No. 388,236; published Sept. 28, 1937. Class 6.
Kiddies Pal, Inc., New York, N. Y. Children's suits, rompers, and sun suits. 352,852; Dec. 14; Serial No. 394,179; published Oct. 5, 1937. Class 39.
Kimmel, Frederick C., Rochester, N. Y. Portable electric heating and cooking stoves and electric boilers. 352,937; Dec. 14. Class 21.
Kinney, Harry W., doing business as Scientific Sugars Company, Indianapolis, Ind. Yeast extract containing vitamin B complex for therapeutic use. 352,794; Dec. 14; Serial No. 393,770; published Sept. 28, 1937. Class 6.

Kinsey Distilling Company, Linfield and Philadelphia, Pa. Whiskey. 352,932; Dec. 14; Serial No. 396,817; published Oct. 5, 1937. Class 49.
Laboratorio Brasileiro de Chimiotherapia Ltda., Rio de Janeiro, Brazil. Vaccines. 352,735; Dec. 14; Serial No. 341,482; published Sept. 28, 1937. Class 6.
Lancaster Inc., Los Angeles, Calif. Calibrated fluid measuring devices. 352,779; Dec. 14; Serial No. 392,988; published Oct. 5, 1937. Class 26.
La Perla Vineyard Company, Chicago, Ill. Wines. 352,846; Dec. 14; Serial No. 395,040; published Oct. 5, 1937. Class 47.
La Rosa, Benjamin, New York, N. Y. Hair preparations. 352,752; Dec. 14; Serial No. 387,749; published Sept. 28, 1937. Class 6.
Lawrence Pump and Engine Co., Lawrence, Mass. Centrifugal pumps and parts thereof. 352,819; Dec. 14; Serial No. 394,540; published Oct. 5, 1937. Class 23.
Lehn & Fink Products Corporation, Bloomfield, N. J. Preparation recommended as an antiseptic, disinfectant, etc. 352,912; Dec. 14; Serial No. 395,997; published Oct. 5, 1937. Class 6.
Le Mare, Robert W., New York, N. Y. Lipsticks, face creams, face powder, etc. 352,784; Dec. 14; Serial No. 393,335; published Oct. 5, 1937. Class 6.
Lenox, Incorporated, Trenton, N. J. Decorated tableware of porcelain and earthenware. 119,736; renewed Dec. 11, 1937.
Levinsohn, Frank, & Co. Inc., New York, N. Y. Coats and suits. 352,872; Dec. 14; Serial No. 395,482; published Oct. 5, 1937. Class 39.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' suits. 352,931; Dec. 14; Serial No. 396,571; published Oct. 5, 1937. Class 39.
Lilly, Eli, and Company, Indianapolis, Ind. Line or group of enteric coated tablets. 352,745; Dec. 14; Serial No. 384,541; published Sept. 28, 1937. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 352,824–7; Dec. 14; Serial Nos. 394,613–16; published Oct. 5, 1937. Class 6.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 352,828; Dec. 14; Serial No. 394,618; published Oct. 5, 1937. Class 6.
Lindenhurst Manufacturing Company, Lindenhurst, N. Y. Horn buttons. 352,813; Dec. 14; Serial No. 394,376; published Sept. 21, 1937. Class 40.
Ludlum Steel Co., Watervliet, N. Y. Tool-steels. 352,944; Dec. 14. Class 14.
Lyon & Healy, assignor, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill. Pianos. 119,459; renewed Nov. 20, 1937.
MacBslin, Donald R., York, Pa. Antacid powder. 352,785; Dec. 14; Serial No. 393,340; published Oct. 5, 1937. Class 6.
Mang, James P., Brooklyn, N. Y. Hair-tonic. 119,341; renewed Nov. 13, 1937.
Manhattan Shirt Company, The, New York, N. Y. Bathing trunks. 352,919; Dec. 14; Serial No. 396,148; published Oct. 5, 1937. Class 39.
Masonite Corporation, Chicago, Ill. Fiber board, insulating board, composite board, etc. 352,866; Dec. 14; Serial No. 395,453; published Sept. 28, 1937. Class 12.
McClure & McIntosh, Limited, Glasgow, Scotland. Articles of clothing. 352,774; Dec. 14; Serial No. 391,646; published Oct. 5, 1937. Class 39.
McCrory Stores Corporation, New York, N. Y. Crockery imported hollowware. 352,787; Dec. 14; Serial No. 393,437; published Oct. 5, 1937. Class 30.
McKesson & Robbins, Incorporated, Fairfield and Bridgeport, Conn. Eye preparation. 352,935; Dec. 14. Class 6.
Meridian Pictures Corporation, New York, N. Y. Motion picture films. 352,751; Dec. 14; Serial No. 387,507; published Oct. 5, 1937. Class 26.
Michle, Andrew Y., & Sons, Inc., doing business as Alva Tape Mills, Philadelphia, Pa. Tapes, binding braids, and woven bindings. 352,770; Dec. 14; Serial No. 391,028; published Sept. 21, 1937. Class 40.
Missouri Mill & Elevator Co. (See Washburn Crosby Company.)
Modernistic Beauty Service. (See Colborn, A. B.)
Morgan Crucible Company Limited, The, London, England. Machinery bearings, mechanical valves for engines, plugs for the same, etc. 352,759; Dec. 14; Serial No. 390,225; published Oct. 5, 1937. Class 23.
Morgan Crucible Company Limited, The, London, England. Electrodes for batteries, lighting, and welding, brushes for electrical machinery, lightning arresters, etc. 352,760; Dec. 14; Serial No. 390,226; published Oct. 5, 1937. Class 21.
Morgan Crucible Company Limited, The, London, England. Machinery bearings, mechanical valves for engines, plugs for the same, etc. 352,761; Dec. 14; Serial No. 390,227; published Oct. 5, 1937. Class 23.
Morgan Crucible Company Limited, The, London, England. Electrodes for batteries, lighting, and welding, brushes for electrical machinery, lightning arresters, etc. 352,762; Dec. 14; Serial No. 390,228; published Oct. 5, 1937. Class 21.
Mor-Pak Preserving Corporation, Stockton, Calif. Canned fruits. 352,750; Dec. 14; Serial No. 386,439; published Oct. 5, 1937. Class 46.
Morris, Charles D., New York, N. Y. Greeting cards. 352,834; Dec. 14; Serial No. 394,675; published Sept. 28, 1937. Class 38.
Morris, Charles D., doing business as Billy White and His Staff, New York, N. Y. Periodical publication. 352,833; Dec. 14; Serial No. 394,671; published Sept. 28, 1937. Class 38.
Munder Electrical Company, Springfield, Mass. Electric lamps for photographic purposes. 352,940; Dec. 14. Class 26.
Muney, Maurice, Brooklyn, N. Y. Watches. 352,936; Dec. 14. Class 27.
Muralo Company, Inc., The, New Brighton, N. Y. Dry powder to be mixed with water and used as calcimine, etc. 352,842; Dec. 14; Serial No. 394,964; published Oct. 5, 1937. Class 16.
Musante, George B., doing business as Musante-Gillarde Co., San Jose, Calif. Fresh vegetables. 352,736; Dec. 14; Serial No. 358,442; published Oct. 5, 1937. Class 46.
Mutual Orange Distributors, Redlands, Calif. Canned nonalcoholic citrus juices. 352,810; Dec. 14; Serial No. 394,341; published Oct. 5, 1937. Class 45.
National Automotive Parts Association, Detroit, Mich. Publications. 352,790; Dec. 14; Serial No. 393,614; published Sept. 28, 1937. Class 38.
National Chair Co., Inc., Rahway, N. J. Beds, mattresses, and bedroom furniture. 352,884; Dec. 14; Serial No. 395,648; published Oct. 5, 1937. Class 32.
Nearby Sales Co. (See Detwiler, J. Arlington.)
Nott Manufacturing Co. (See Harkins, Robert H.)
Nu-Angle Jack Company, Parkston, S. Dak. Lifting jack. 352,848; Dec. 14; Serial No. 395,144; published Oct. 5, 1937. Class 23.
Owens-Illinois Can Company, Toledo, Ohio. Sheet metal containers. 352,757; Dec. 14; Serial No. 389,692; published Oct. 5, 1937. Class 2.
Paac Chemical Corporation, The, Greensburg, Pa. Skin cleansing lotion. 352,886; Dec. 14; Serial No. 395,681; published Sept. 28, 1937. Class 6.
Pacific Beach Barber Shop. (See Acosta, Numa W.)
Pacific Mfg. Corporation, Chicago, Ill. Chewing gum. 352,900; Dec. 14; Serial No. 395,953; published Oct. 5, 1937. Class 46.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 121,092; renewed Apr. 2, 1938.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Cotton piece goods. 121,203; renewed Apr. 16, 1938.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Boston, Mass. Clothing. 121,486; renewed Apr. 30, 1938.
Paramount Distilling Corporation, Chicago, Ill. Whiskey. 352,773; Dec. 14; Serial No. 391,336; published July 13, 1937. Class 49.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. 352,901; Dec. 14; Serial No. 395,955; published Sept. 28, 1937. Class 38.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. 352,902–5; Dec. 14; Serial Nos. 395,957–60; published Sept. 28, 1937. Class 38.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. 352,906–7; Dec. 14; Serial Nos. 395,962–3; published Sept. 28, 1937. Class 38.
Park & Smith, Inc., New York, N. Y. Tonic containing vitamins and minerals. 352,853; Dec. 14; Serial No. 394,186; published Sept. 28, 1937. Class 6.
Parke-Adair Products. (See Parkinson, Stanley.)
Parkinson, Stanley, doing business as Parke-Adair Products, Chicago, Ill. Feminine hygiene preparation. 352,893; Dec. 14; Serial No. 395,799; published Sept. 28, 1937. Class 6.
Patou, Jean, Inc., New York, N. Y. Perfumes. 352,817; Dec. 14; Serial No. 394,504; published Oct. 5, 1937. Class 6.
Paxton, Frederick H., Chicago, Ill. Granulated combination of certain salts for internal use. 120,212; renewed Jan. 15, 1938.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Trousers and jackets. 352,920–1; Dec. 14; Serial Nos. 396,162–3; published Oct. 5, 1937. Class 39.
Perkins-Espeneter Pickle Co., Denver, Colo. Foods. 120,285; renewed Jan. 29, 1938.
Permalux Company, Inc., The, Chicago, Ill. Decalcomania signs. 352,859; Dec. 14; Serial No. 395,315; published Sept. 28, 1937. Class 38.
Petayloid Company, Los Angeles, Calif. Medical preparation. 352,811; Dec. 14; Serial No. 394,346; published Sept. 28, 1937. Class 6.
Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 352,930; Dec. 14; Serial No. 396,470; published Oct. 5, 1937. Class 39.
Photo Marketing Corporation, New York, N. Y. Photographic exposure meters. 352,868; Dec. 14; Serial No. 395,458; published Oct. 5, 1937. Class 26.
Photo Utilities, Inc., New York, N. Y. Photographic exposure meters. 352,867; Dec. 14; Serial No. 395,457; published Oct. 5, 1937. Class 26.
Pittsburgh Importing and Manufacturing Co., The. (See Ams, Max, Incorporated.)

Planters Nut & Chocolate Co., Wilkes-Barre, Pa., to Planters Nut & Chocolate Company, Wilkes-Barre, Pa., and Suffolk, Va. Whole blanched salted peanuts. 121,140; renewed Apr. 9, 1938.
Porcelain Enameling Association, Sheboygan, Wis. Vitreous enamel and stainless steel pots, pans, and kettles. 352,808; Dec. 14; Serial No. 394,190; published Oct. 5, 1937. Class 13.
Porter, Arthur W., Des Moines, Iowa. Livestock and poultry concentrate. 352,756; Dec. 14; Serial No. 389,376; published Oct. 5, 1937. Class 46.
Pressey, Edwin P., Mount Vernon, N. Y. Folders and portfolios. 352,917; Dec. 14; Serial No. 396,106; published Oct. 5, 1937. Class 3.
Purity Drug Co. Inc., New York, N. Y. Medicinal preparations. 352,865; Dec. 14; Serial No. 395,432; published Oct. 5, 1937. Class 6.
Red Wing Union Stoneware Co., Red Wing, Minn. Pottery or earthenware vases, jugs, bowls, etc. 352,737; Dec. 14; Serial No. 361,632; published Nov. 26, 1937. Class 30.
Renner Company, The, Youngstown, Ohio. Malt beverages. 352,929; Dec. 14; Serial No. 396,336; published Oct. 5, 1937. Class 48.
Republic Steel Corporation, Cleveland, Ohio. Highway and road guards and parts thereof, etc. 352,778; Dec. 14; Serial No. 392,335; published Sept. 21, 1937. Class 12.
Rex, Clarence R., Toledo, Ohio. Mortar, stucco, artificial stone, etc. 352,707; Dec. 14; Serial No. 393,919; published Sept. 28, 1937. Class 12.
Rice-Stix Dry Goods Company, St. Louis, Mo. Cotton piece goods. 120,524; renewed Feb. 12, 1938.
Richards, Joshua M., South Boston, Mass. Sky-light unit. 352,885; Dec. 14; Serial No. 395,653; published Sept. 28, 1937. Class 12.
Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Screen cloth. 352,788; Dec. 14; Serial No. 393,553; published Oct. 5, 1937. Class 13.
Robins Conveying Belt Company, Passaic, N. J., and New York, N. Y. Screen cloth. 352,789; Dec. 14; Serial No. 393,540; published Oct. 5, 1937. Class 13.
Romaine Pierson Publishers, Inc., New York, N. Y. Medical monthly publication. 352,908; Dec. 14; Serial No. 395,968; published Sept. 28, 1937. Class 38.
Ross-Mielke Company, Detroit, Mich. Salves. 352,758; Dec. 14; Serial No. 390,010; published Oct. 5, 1937. Class 6.
Rust Proofing Company of Canada Limited, Montreal, Quebec, Canada. Chemical compositions. 352,771; Dec. 14; Serial No. 391,091; published Sept. 28, 1937. Class 6.
Sachs, Harry, New York, N. Y. Beverages, and sirups and extracts for making the same. 352,755; Dec. 14; Serial No. 388,849; published Apr. 6, 1937. Class 45.
St. Mungo Manufacturing Company of America, Newark, assignor to A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. Golf-balls. 121,210; renewed Apr. 16, 1938.
Salsbury's, Dr., Laboratories, Charles City, Iowa. Poultry and animal dip and disinfectant and deodorant. 352,802; Dec. 14; Serial No. 394,059; published Oct. 5, 1937. Class 6.
Samson Plaster Board Company, Buffalo, N. Y. Asphalt roof cement, asbestos fiber coating, and asphalt roof coating. 352,880; Dec. 14; Serial No. 395,595; published Sept. 28, 1937. Class 12.
Sanders, Sanford E. A., doing business as The Steri-Graph Company, Shreveport, La. Chart. 352,829; Dec. 14; Serial No. 394,637; published Sept. 28, 1937. Class 38.
Santé Institute, Ltd., Manhattan Beach, Calif. Stamps, coupons, and trading stamps. 352,812; Dec. 14; Serial No. 394,351; published Sept. 28, 1937. Class 38.
Sayles Finishing Plants, Inc., Saylesville, R. I. Piece goods. 352,809; Dec. 14; Serial No. 394,197; published Oct. 5, 1937. Class 42.
Schering Corporation, Bloomfield, N. J. Medicinal tonic. 352,838; Dec. 14; Serial No. 394,864; published Sept. 28, 1937. Class 6.
Scientific Sugars Company. (See Kinney, Harry W.)
Scotch Products Incorporated, New York, N. Y. Perfumes. 352,869; Dec. 14; Serial No. 395,460; published Sept. 28, 1937. Class 6.
Seaboard Lemon Assn., Oxnard, Calif. Fresh citrus fruits. 352,925; Dec. 14; Serial No. 396,280; published Oct. 5, 1937. Class 46.
Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides, fungicides, and flocculators. 352,767; Dec. 14; Serial No. 390,814; published Oct. 5, 1937. Class 6.
Simoneau, Florida B., doing business as Mrs. Willie Simoneau, Biddeford, Maine. Preparation for coughs, sore throat, etc. 352,871; Dec. 14; Serial No. 395,474; published Sept. 28, 1937. Class 6.
Spalding, A. G., & Bros. (See St. Mungo Manufacturing Company of America, assignor.)
Spurgeon, William W., Washington, D. C. Preparation for the treatment of the smoking habit. 352,841; Dec. 14; Serial No. 394,915; published Oct. 5, 1937. Class 6.
Standard Oil Development Company, Linden, N. J. Chemical compounds for use in lubricating oils. 352,873; Dec. 14; Serial No. 395,494; published Sept. 28, 1937. Class 6.
Stephens, Clarence L., New York, N. Y. Toy picture projectors. 352,938; Dec. 14. Class 22.
Steri-Graph Company, The. (See Sanders, Sanford E. A.)
Stuebriuger, John, Stapleton, N. Y. Insulating material somewhat similar to cement. 352,769; Dec. 14; Serial No. 390,976; published Sept. 28, 1937. Class 12.
Style Art Clothes Inc., New York, N. Y. Coats, top coats, and suits. 352,918; Dec. 14; Serial No. 396,108; published Oct. 5, 1937. Class 39.
Suddeutsche Metallwerke, Gesellschaft mit beschränkter Haftung, Waldorf, Germany. Stop lights, electric rear lights, dynamos, etc. 352,747; Dec. 14; Serial No. 385,312; published Oct. 5, 1937. Class 21.
Supreme Wine Co. Inc., Boston, Mass. Wines. 352,820; Dec. 14; Serial No. 394,563; published Oct. 5, 1937. Class 47.
Sure-Grip Adhesives, Inc., Albany, N. Y. Glues and cements. 352,837; Dec. 14; Serial No. 394,814; published Sept. 14, 1937. Class 5.
Tebault, Hugh, & Company, Inc., New York, N. Y. Breakfast cereals. 352,875; Dec. 14; Serial No. 395,546; published Oct. 5, 1937. Class 46.
Tremont Mills Corporation, New York, N. Y. Belting for ladies' wear. 352,894; Dec. 14; Serial No. 395,846; published Sept. 28, 1937. Class 40.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 352,805; Dec. 14; Serial No. 395,847; published Sept. 28, 1937. Class 48.
Ultra Chemical Products. (See Chu, Paul E.)
Universal Parts, Inc., Chicago, Ill. Automotive replacement parts. 352,788; Dec. 14; Serial No. 372,120; published Oct. 5, 1937. Class 19.
Vac-O-Grip Company. (See Williams, Percy Q.)
Varaeska, William, Woodbridge, N. J. Preparation for preventing perspiration and correcting body odors. 352,795; Dec. 14; Serial No. 393,881; published Sept. 28, 1937. Class 6.
Villa, Nellie, Los Angeles, Calif. Permanent wave solution. 352,839; Dec. 14; Serial No. 394,878; published Sept. 28, 1937. Class 6.
Vita-Phates, Incorporated, New York, N. Y. Tonics. 352,818; Dec. 14; Serial No. 394,516; published Sept. 28, 1937. Class 6.
Walgreen Co., Chicago, Ill. Radio dials. 352,861; Dec. 14; Serial No. 395,864; published Oct. 5, 1937. Class 21.
Walsh, James, & Company, Inc., Lawrenceburg, Ind. Distilled dry gin. 352,891; Dec. 14; Serial No. 395,776; published Oct. 5, 1937. Class 49.
Washburn Crosby Company, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn., assignor to General Mills, Inc. Flour. 352,740; Dec. 14; Serial No. 379,932; published Oct. 5, 1937. Class 46.
Weissman, Fred P., Inc., New York, N. Y. Misses' and juniors' coats and suits. 352,888; Dec. 14; Serial No. 395,728; published Sept. 21, 1937. Class 39.
Weleda, Inc., Wilmington, Del., and New York, N. Y. Medicines for headaches, migraines, hay fever, etc. 352,768; Dec. 14; Serial No. 390,878; published Sept. 28, 1937. Class 6.
Wheelan, Robert B., doing business as Wheelan Studios, New York, N. Y. Photographic cameras. 352,930; Dec. 14. Class 26.
Williams, Percy Q., doing business as Vac-O-Grip Company, Toledo, Ohio. Vehicle luggage, equipment and sign carriers. 352,749; Dec. 14; Serial No. 386,281; published Oct. 5, 1937. Class 19.
Winchendon Furniture Corporation, Winchendon, Mass. Furniture. 352,766; Dec. 14; Serial No. 390,486; published Oct. 5, 1937. Class 32.
Wren, Frank, assignor to Cooper & Cooper, Inc., Brooklyn, N. Y. Razor blades. 352,786; Dec. 14; Serial No. 393,353; published Oct. 5, 1937. Class 23.
Zonite Products Corporation, New York, N. Y. Antiseptic cream. 352,889; Dec. 14; Serial No. 395,730; published Oct. 5, 1937. Class 6.

LIST OF REGISTRANTS OF LABELS

Alkine Company, The, New Brunswick, N. J. Flem-O-Lyn. For Emulsion for Treatment of Coughs Due to Colds. 50,440; Dec. 14.

Alkine Company, The, New Brunswick, N. J. Flem-O-Lyn. For an Emulsion for Treatment of Coughs Due to Colds. 50,482; Dec. 14.

Berger, Edward L., doing business as Old Dutch Chemical Company, Brooklyn, N. Y. Old Dutch. For a Concentrated Cleaning and Washing Compound. 50,450; Dec. 14.

Blue Cross Chemical Company, Chicago, Ill. Pure-O-Clora. For Composition for Sterilizing, Bleaching, Deodorizing, and Removing Stains. 50,451; Dec. 14

Central Waxed Paper Company, Chicago, Ill. Sliced Gold Top. For Bread. 50,452; Dec. 14.
Chattanooga Bakery. (See Mountain City Mill Company.)
Clark-Milliner Company, Chicago, Ill. Three Sisters Cleansing Pads. For Cleansing Pads for the Skin. 50,453; Dec. 14.
Comfort Paper Corporation, San Francisco, Calif. Comfort Tissue. For Toilet Tissue. 50,454; Dec. 14.
Daggett Chocolate Company, doing business as The Marquise Chocolate Co., Cambridge, Mass. Fantaisie. For Chocolates. 50,455; Dec. 14.
Freedom Oil Works Company, The, Freedom, Pa. Four-State Motor Oil. For Motor Oil. 50,456; Dec. 14.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. 'Junket' Brand Rennet Powder. For a Preparation for Making Milk into Rennet-Custard Desserts. 50,457; Dec. 14.
Hills Brothers Company, The, New York, N. Y. Dromedary Tapioca. For Tapioca. 50,458; Dec. 14.
Hoffman, S. L., & Co., Inc., New York, N. Y. Fashionette Utiliform of Preshrunk Linolin. For Uniforms and Utility Frocks. 50,459; Dec. 14.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Glo-Coat. For Floor Polish. 50,460; Dec. 14.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Liquid Wax. For Liquid Wax. 50,461; Dec. 14.
Kelly Co., The, Cleveland, Ohio. Krunchy. For Peanut Butter. 50,462; Dec. 14.
Kemp, E. F., Inc., Somerville, Mass. Kemp's Crocus Blossoms. For Chocolate Hand Dipped Confections. 50,464; Dec. 14.
Kroger Grocery & Baking Co., The, Cincinnati, Ohio. 'Country Club' Salted Soda Crackers. For Soda Crackers. 50,463; Dec. 14.
Ledkote Products Company, Long Island City, N. Y. Ledkote 25–30 U. T. For Lead Coated Copper Flat Sheets. 50,465; Dec. 14.
Ledkote Products Company, Long Island City, N. Y. Ledkote 50 U. T. For Fabricated Lead Coated Copper Products. 50,466; Dec. 14.
Leon, I. Joseph, Freeport, N. Y. Strength of the Loom. For Dry Goods. 50,467; Dec. 14.
Lilly, Marie S., Los Angeles, Calif. Aloha Pomade Oil. For Pomade Oil. 50,468; Dec. 14.
Marquise Chocolate Co., The. (See Daggett Chocolate Company.)
Matsil Brothers, New York, N. Y. Palais Royal. For Robes. 50,469; Dec. 14.
Moderne Labs, Brownstown, Ind. Alkaleyes. For Eye Wash. 50,470; Dec. 14.
Mountain City Mill Company, doing business as Chattanooga Bakery, Chattanooga, Tenn. 2 Cents Cookie. For Cookies. 50,471; Dec. 14.
Norwich Pharmacal Company, The, Norwich, N. Y. 'Noil' Liquid Sun Shade. For Preparation for Preventing Sunburn. 50,472; Dec. 14.
Nuetzman, J. H., Kasson, Minn. Pop-E Pop Corn, Southern Minnesota Popcorn Company. For Popcorn. 50,473; Dec. 14.
Oconomowoc Canning Company, Oconomowoc, Wis. Miss Wisconsin. For Canned Peas. 50,474; Dec. 14.
Oconomowoc Canning Company, Oconomowoc, Wis. Buddie. For Canned Peas. 50,475; Dec. 14.
Old Dutch Chemical Company. (See Berger, Edward L.)
Parker, Frederick G., Boston, Mass. Imperial-Ice-Box-Cookies. For Ice Box Cookies. 50,476; Dec. 14.
Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Planters Peanuts Pick of the Plantation. For Peanuts. 50,477; Dec. 14.
Puffed Cereals Incorporated, Minneapolis, Minn. Toasted Pophitts. For Breakfast Foods. 50,478; Dec. 14.
Rifkin, Lillian, doing business as Tested Toy Laboratory, New York, N. Y. Child Tested & Approved. For Toys and Games. 50,479; Dec. 14.
Tested Toy Laboratory. (See Rifkin, Lillian.)
Virtue Bros. Mfg. Co., Los Angeles, Calif. Virtue Chrome Furniture. For Chrome Furniture. 50,480; Dec. 14.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Glo-Wyn. For Chocolates. 50,481; Dec. 14.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. Gift from the Gay 90's. For Wheat Breakfast Food. 16,604; Dec. 14.
Hair Net Packers, Inc., New York, N. Y. Fifth Avenue Hair Fashions. For Hair Curlers. 16,605; Dec. 14.
Hair Net Packers, Inc., New York, N. Y. Park Avenue Hair Fashions. For Hair Curlers. 16,606; Dec. 14.
Hoffman, S. L., & Co., Inc., New York, N. Y. Recipe for Smartness 'Pleated Plaid' . . . Again Because You Requested It—The Original Formflex Dresses. For Dresses. 16,607; Dec. 14.
Lundquist, Geo. C., San Francisco, Calif. Dot. For Pull Toys. 16,608; Dec. 14.
Nu Way Products, Inc., Milwaukee, Wis. Safe-Way. For Extension Cord Connectors. 16,609; Dec. 14.
Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Planters Always Hit the Spot. For Peanuts. 16,610; Dec. 14.
Simmons Distributing Co. Inc., New York, N. Y. Simmons Arrowroot Dessert. For a Dessert. 16,611; Dec. 14.
Soft-Lite Lens Co., Inc., New York, N. Y. Of All Your Faculties. For Lenses. 16,612; Dec. 14.
Timken Roller Bearing Company, The, Canton, Ohio. A Reflection of Quality for Any Automobile with Which It Is Associated. For Roller Bearings. 16,613; Dec. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Boxes, Ornamented and plain. Boynton & Company. 352,857; Dec. 14; Serial No. 395,269; published Oct. 5, 1937.
Containers, Sheet metal. Owens-Illinois Can Company. 352,757; Dec. 14; Serial No. 389,692; published Oct. 5, 1937.
Salt and pepper sets, Glass. Dritz-Traum Company. 352,860; Dec. 14; Serial No. 395,336; published Oct. 5, 1937.

CLASS 3

Folders and portfolios. E. P. Pressey. 352,917; Dec. 14; Serial No. 396,106; published Oct. 5, 1937.

CLASS 5

Glues and cements. Sure-Grip Adhesives, Inc. 352,837; Dec. 14; Serial No. 394,814; published Sept. 14, 1937.

CLASS 6

Antacid powder. D. R. MacEalin. 352,785; Dec. 14; Serial No. 393,340; published Oct. 5, 1937.
Antiseptic cream. Zonite Products Corporation. 352,889; Dec. 14; Serial No. 395,730; published Oct. 5, 1937.
Chemical compositions. Rust Proofing Company of Canada Limited. 352,771; Dec. 14; Serial No. 391,091; published Sept. 28, 1937.
Chemical compound. Calgon Incorporated. 352,922; Dec. 14; Serial No. 396,228; published Sept. 28, 1937.
Chemical compounds for use in lubricating oils. Standard Oil Development Company. 352,873; Dec. 14; Serial No. 395,494; published Sept. 28, 1937.
Chemical, Water softening and water conditioning. Calgon, Inc. 352,803–4; Dec. 14; Serial Nos. 394,109–10; published Oct. 5, 1937.
Cream and tissue cream, Cleansing. Bray & Boyer. 352,876; Dec. 14; Serial No. 395,560; published Oct. 5, 1937.
Cream, Hand. V. R. Kestler. 352,753; Dec. 14; Serial No. 388,236; published Sept. 28, 1937.
Eye preparation. McKesson & Robbins, Incorporated. 352,935; Dec. 14.
Feminine hygiene preparation. S. Parkinson. 352,893; Dec. 14; Serial No. 395,799; published Sept. 28, 1937.
Film developing solution, Photographic. H. Champlin. 352,821; Dec. 14; Serial No. 394,577; published Oct. 5, 1937.
Hair preparations. B. La Rosa. 352,752; Dec. 14; Serial No. 387,749; published Sept. 28, 1937.
Hair-tonic. J. P. Mang. 119,341; renewed Nov. 13, 1937.
Hydrocarbon base for cutting oils, Chlorinated. E. F. Houghton & Co. 352,777; Dec. 14; Serial No. 392,278; published Oct. 5, 1937.
Hydrocarbon base for cutting oils, Chlorinated. E. F. Houghton & Co. 352,780; Dec. 14; Serial No. 393,035; published Oct. 5, 1937.
Insecticide for moles, rats, mice, etc. R. H. Harkins. 352,879; Dec. 14; Serial No. 395,576; published Sept. 28, 1937.
Insecticides, fungicides, and flocculators. Sherwin-Williams Co. 352,767; Dec. 14; Serial No. 390,814; published Oct. 5, 1937.
Liniment. G. Clinton. 352,799; Dec. 14; Serial No. 394,020; published Oct. 5, 1937.
Lipsticks, face creams, face powder, etc. R. W. Le Mare. 352,784; Dec. 14; Serial No. 393,335; published Oct. 5, 1937.
Lotion, bay rum, hair oil, etc., After shaving. Gamble Stores Incorporated. 352,874; Dec. 14; Serial No. 395,522; published Sept. 28, 1937.
Lotion, Skin cleansing. Psac Chemical Corporation. 352,886; Dec. 14; Serial No. 395,681; published Sept. 28, 1937.
Medical preparation. Petsyloid Company. 352,811; Dec. 14; Serial No. 394,346; published Sept. 28, 1937.
Medicinal preparation. Ayerst, McKenna & Harrison, Ltd. 352,814; Dec. 14; Serial No. 394,396; published Sept. 28, 1937.

Medicinal preparation. Eli Lilly and Company. 352,824–7; Dec. 14; Serial Nos. 394,613–6; published Oct. 5, 1937.
Medicinal preparation. Eli Lilly and Company. 352,828; Dec. 14; Serial No. 394,618; published Oct. 5, 1937.
Medicinal preparation. Purity Drug Co. Inc. 352,865; Dec. 14; Serial No. 395,432; published Oct. 5, 1937.
Medicines for headaches, migraines, hayfever, etc. Weleda, Inc. 352,768; Dec. 14; Serial No. 390,878; published Sept. 28, 1937.
Medicines, Veterinary. C. A. Harrington. 352,835; Dec. 14; Serial No. 394,708; published Oct. 5, 1937.
Ointment. P. E. Chu. 352,858; Dec. 14; Serial No. 395,284; published Oct. 5, 1937.
Ointment, Foot. G. H. Eisenberg. 352,847; Dec. 14; Serial No. 395,110; published Sept. 28, 1937.
Perfume. Halle Bros. Co. 352,816; Dec. 14; Serial No. 394,458; published Oct. 5, 1937.
Perfumes. California Perfume Company. 352,845; Dec. 14; Serial No. 395,015; published Sept. 28, 1937.
Perfumes. Jean Patou, Inc. 352,817; Dec. 14; Serial No. 394,504; published Oct. 5, 1937.
Perfumes. Scotch Products Incorporated. 352,869; Dec. 14; Serial No. 395,460; published Sept. 28, 1937.
Photographic developers. Philip A. Hunt Company. 352,781; Dec. 14; Serial No. 393,079; published Sept. 28, 1937.
Poultry and animal dip and disinfectant and deodorant. Dr. Salsbury's Laboratories. 352,802; Dec. 14; Serial No. 394,059; published Oct. 5, 1937.
Preparation for coughs, sore throat, etc. F. B. Simoneau. 352,871; Dec. 14; Serial No. 395,474; published Sept. 28, 1937.
Preparation for preventing perspiration and correcting body odors. W. Varacska. 352,795; Dec. 14; Serial No. 393,881; published Sept. 28, 1937.
Preparation for restoring the hair. N. W. Acosta. 352,744; Dec. 14; Serial No. 384,492; published Sept. 28, 1937.
Preparation for the treatment of syphilis and diseases having a syphilitic origin. Comar & Cie., S. A. R. L. 352,783; Dec. 14; Serial No. 393,212; published Oct. 5, 1937.
Preparation for the treatment of the smoking habit. W. W. Spurgeon. 352,841; Dec. 14; Serial No. 394,915; published Oct. 5, 1937.
Preparation recommended as an antiseptic, disinfectant, etc. Lehn & Fink Products Corporation. 352,912; Dec. 14; Serial No. 395,997; published Oct. 5, 1937.
Remedy, liniment, and an ointment. Ego Remedy Company. 120,726; renewed Mar. 5, 1938.
Salicylate, iodide with alkali buffers in an effervescent tablet. Effervescent Products, Inc. 352,878; Dec. 14; Serial No. 395,569; published Sept. 28, 1937.
Salts for internal use, Granulated combination of certain. F. H. Paxton. 120,212; renewed Jan. 15, 1938.
Salves. Ross-Mielke Company. 352,758; Dec. 14; Serial No. 390,010; published Oct. 5, 1937.
Shampoo preparation. A. B. Colborn. 352,849; Dec. 14; Serial No. 394,165; published Oct. 5, 1937.
Shampoo preparation, Liquid dog. Cane Chemical Company. 352,890; Dec. 14; Serial No. 395,747; published Sept. 28, 1937.
Sodium metaphosphate. Calgon, Inc. 352,805–6; Dec. 14; Serial Nos. 394,111–2; published Oct. 5, 1937.
Tablets, Line or group of enteric coated. Eli Lilly and Company. 352,745; Dec. 14; Serial No. 384,541; published Sept. 28, 1937.
Tonic containing vitamins and minerals. Park & Smith. Inc. 352,853; Dec. 14; Serial No. 394,186; published Sept. 28, 1937.
Tonic, Medicinal. Schering Corporation. 352,838; Dec. 14; Serial No. 394,864; published Sept. 28, 1937.
Tonics. Vita-Phates, Incorporated. 352,818; Dec. 14; Serial No. 394,516; published Sept. 28, 1937.
Vaccines. Laboratorio Brasileiro de Chimiotherapia Ltda. 352,735; Dec. 14; Serial No. 341,842; published Sept. 28, 1937.
Wave solution, Permanent. N. Villa. 352,839; Dec. 14; Serial No. 394,878; published Sept. 28, 1937.
Wood preservative and insecticide. El Roy Naval Stores, Inc. 352,916; Dec. 14; Serial No. 396,067; published Sept. 28, 1937.
Yeast extract containing vitamin B complex for therapeutic use. H. W. Kinney. 352,794; Dec. 14; Serial No. 393,770; published Sept. 28, 1937.
Yeast tablets, psyllium seed, ground psyllium and agar, etc., Brewers. Battle Creek Dietetic Supply Co. 352,764; Dec. 14; Serial No. 390,434; published Oct. 5, 1937.
Yeast tablets, psyllium seed, ground psyllium and agar, etc., Brewers. Battle Creek Dietetic Supply Co. 352,765; Dec. 14; Serial No. 390,436; published Oct. 5, 1937.

CLASS 12

Asphalt roof cement, asbestos fiber coating, and asphalt roof coating. Samson Plaster Board Company. 352,880; Dec. 14; Serial No. 395,595; published Sept. 28, 1937.
Fiber board, insulating board, composite board, etc. Masonite Corporation. 352,866; Dec. 14; Serial No. 395,453; published Sept. 28, 1937.
Guards and parts thereof, etc., Highway and road. Republic Steel Corporation. 352,778; Dec. 14; Serial No. 392,335; published Sept. 21, 1937.
Insulating material. J. Stuehringer. 352,769; Dec. 14; Serial No. 390,976; published Sept. 28, 1937.
Insulating slabs, Structural. Celotex Corporation. 352,863; Dec. 14; Serial No. 395,399; published Sept. 28, 1937.
Mortar, stucco, artificial stone, etc. C. R. Rex. 352,797; Dec. 14; Serial No. 393,919; published Sept. 28, 1937.
Sheets, Felted mineral fibre. Johns-Manville Corporation. 352,741; Dec. 14; Serial No. 380,993; published Sept. 14, 1937.
Sky-light unit. J. M. Richards. 352,885; Dec. 14; Serial No. 395,653; published Sept. 28, 1937.
Thermal and sound insulating material. Insulation Development Corporation. 352,801; Dec. 14; Serial No. 394,039; published Sept. 28, 1937.

CLASS 13

Holders, Curtain and blind. F. M. R. Co. 352,883; Dec. 14; Serial No. 395,640; published Oct. 5, 1937.
Hollowware, Base metal cooking. Cookware Company of America. 352,943; Dec. 14.
Hollowware, Base metal table and cooking. Aluminum Cooking Utensil Company. 352,881; Dec. 14; Serial No. 395,601; published Oct. 5, 1937.
Pots, pans, and kettles, Vitreous enamel and stainless steel. Porcelain Enameling Association. 352,808; Dec. 14; Serial No. 394,190; published Oct. 5, 1937.
Screen cloth. Robins Conveying Belt Company. 352,788; Dec. 14; Serial No. 393,553; published Oct. 5, 1937.
Screen cloth. Robins Conveying Belt Company. 352,789; Dec. 14; Serial No. 393,549; published Oct. 5, 1937.

CLASS 14

Tool-steels. Ludlum Steel Co. 352,944; Dec. 14.

CLASS 16

Paint-surfacer. Flood & Conklin Co. 121,611; renewed May 14, 1938.
Powder to be mixed with water and used as a calcimine, etc., Dry. Muralo Company. 352,842; Dec. 14; Serial No. 394,964; published Oct. 5, 1937.

CLASS 19

Automotive replacement parts. Universal Parts, Inc. 352,738; Dec. 14; Serial No. 372,120; published Oct. 5, 1937.
Vehicle luggage, equipment, and sign carriers. P. Q. Williams. 352,749; Dec. 14; Serial No. 386,281; published Oct. 5, 1937.

CLASS 21

Electric heating and cooking stoves and electric boilers, Portable. F. C. Kimmel. 352,937; Dec. 14.
Electric signal pickup and amplifying units. Electrical Communications Division, Inc. 352,850; Dec. 14; Serial No. 394,167; published Oct. 5, 1937.
Electrical machinery. Belyea Company. 352,775; Dec. 14; Serial No. 391,947; published Oct. 5, 1937.
Electrodes for batteries, lighting, and welding, brushes for electrical machinery, lightning arresters, etc. Morgan Crucible Company Limited. 352,760; Dec. 14; Serial No. 390,226; published Oct. 5, 1937.
Electrodes for batteries, lighting, and welding, brushes for electrical machinery, lightning arresters, etc. Morgan Crucible Company Limited. 352,762; Dec. 14; Serial No. 390,228; published Oct. 5, 1937.
Furnaces, Electric heating. Firth-Sterling Steel Company. 352,934; Dec. 14.
Lights, electric rear lights, dynamos, etc., Stop. Suddeutsche Metallwerke, Gesellschaft mit beschränkter Haftung. 352,747; Dec. 14; Serial No. 385,312; published Oct. 5, 1937.
Radio dials. Walgreen Co. 352,861; Dec. 14; Serial No. 395,364; published Oct. 5, 1937.

CLASS 22

Games. Milton Bradley Company. 352,882; Dec. 14; Serial No. 395,610; published Oct. 5, 1937.
Golf-balls. St. Mungo Manufacturing Company of America. 212,210; renewed Apr. 16, 1938.
Skis and ski hitch brackets, bindings, poles, etc. Dartmouth Co-operative Society, Inc. 352,941–2; Dec. 14.
Toy picture projectors. C. L. Stephens. 352,938; Dec. 14.

CLASS 23

Bearings, mechanical valves for engines, plugs for the same, etc., Machinery. Morgan Crucible Company Limited. 352,759; Dec. 14; Serial No. 390,225; published Oct. 5, 1937.
Bearings, mechanical valves for engines, plugs for the same, etc., Machinery. Morgan Crucible Company Limited. 352,761; Dec. 14; Serial No. 390,227; published Oct. 5, 1937.
Guards, brackets, assembly means therefor, etc. Fostoria Pressed Steel Corp. 352,864; Dec. 14; Serial No. 395,407; published Oct. 5, 1937.
Jack, Lifting. Nu-Angle Jack Company. 352,848; Dec. 14; Serial No. 395,144; published Oct. 5, 1937.
Machines for the manufacture of paper containers, portions of such machines, and individual parts thereof. Ex-Cell-O Aircraft & Tool Corporation. 352,763; Dec. 14; Serial No. 390,268; published Oct. 5, 1937.
Milling machinery. American Ball-Mill Company. 352,840; Dec. 14; Serial No. 394,885; published Oct. 5, 1937.
Pumps and parts thereof, Centrifugal. Lawrence Pump and Engine Co. 352,819; Dec. 14; Serial No. 394,540; published Oct. 5, 1937.

Razor blades. F. Wren. 352,786; Dec. 14; Serial No. 393,353; published Oct. 5, 1937.
Sewing machines. Hearn Department Stores, Inc. 352,791; Dec. 14; Serial No. 393,709; published Oct. 5, 1937.
Utensil for culinary use, Food lifting. G. H. Hall. 352,742; Dec. 14; Serial No. 382,093; published Oct. 5, 1937.

CLASS 26

Cameras, Photographic. R. B. Wheelan. 352,939; Dec. 14.
Eyeshades. E. J. Baumgartner. 352,854; Dec. 14; Serial No. 395,185; published Oct. 5, 1937.
Films, Motion picture. Meridian Pictures Corporation. 352,751; Dec. 14; Serial No. 387,507; published Oct. 5, 1937.
Fluid measuring devices, Calibrated. Lancaster Inc. 352,779; Dec. 14; Serial No. 392,988; published Oct. 5, 1937.
Lamps for photographic purposes, Electric. Munder Electrical Company. 352,940; Dec. 14.
Photographic exposure meters. Photo Marketing Corporation. 352,868; Dec. 14; Serial No. 395,458; published Oct. 5, 1937.
Photographic exposure meters. Photo Utilities, Inc. 352,867; Dec. 14; Serial No. 395,457; published Oct. 5, 1937.

CLASS 27

Watches. M. Muney. 352,936; Dec. 14.

CLASS 30

Crockery imported hollowware. McCrory Stores Corporation. 352,787; Dec. 14; Serial No. 393,437; published Oct. 5, 1937.
Tableware of porcelain and earthenware, Decorated. Lenox, Incorporated. 119,736; renewed Dec. 11, 1937.
Vases, jugs, bowls, etc., Pottery or earthenware. Red Wing Union Stoneware Co. 352,737; Dec. 14; Serial No. 361,632; published Nov. 26, 1935.

CLASS 32

Beds, mattresses, and bedroom furniture. National Chair Co. 352,884; Dec. 14; Serial No. 395,648; published Oct. 5, 1937.
Furniture. Winchendon Furniture Corporation. 352,766; Dec. 14; Serial No. 390,486; published Oct. 5, 1937.
Tables, chairs, sofas, etc. Interboro Decorators Inc. 352,776; Dec. 14; Serial No. 391,959; published Oct. 5, 1937.

CLASS 34

Stokers and repair parts, Coal. Fire Chief Stoker Company. 352,796; Dec. 14; Serial No. 393,903; published Oct. 5, 1937.
Wicks, Stove. J. Diamond. 352,746; Dec. 14; Serial No. 384,689; published Oct. 5, 1937.

CLASS 36

Pianos. Lyon & Healy. 119,459; renewed Nov. 20, 1937.

CLASS 38

Bulletins, Monthly trade. Hotels of the World, Inc. 352,739; Dec. 14; Serial No. 375,439; published Sept. 28, 1937.
Cards, Greeting. C. D. Morris. 352,834; Dec. 14; Serial No. 394,675; published Sept. 28, 1937.
Chart. S. E. A. Sanders. 352,829; Dec. 14; Serial No. 394,637; published Sept. 28, 1937.
Column or section in a monthly magazine. Parents' Institute, Inc. 352,901; Dec. 14; Serial No. 395,955; published Sept. 28, 1937.
Column or section in a monthly magazine. Parents' Institute, Inc. 352,902–5; Dec. 14; Serial Nos. 395,957–60; published Sept. 28, 1937.
Column or section in a monthly magazine. Parents' Institute, Inc. 352,906–7; Dec. 14; Serial Nos. 395,962–3; published Sept. 28, 1937.
Newspaper. Arizona Publishing Company. 352,830–1; Dec. 14; Serial Nos. 394,654–5; published Sept. 28, 1937.
Publication, Medical monthly. Romaine Pierson Publishers, Inc. 352,908; Dec. 14; Serial No. 395,968; published Sept. 28, 1937.
Publication, Periodical. Crowell Publishing Company. 352,832; Dec. 14; Serial No. 394,660; published Sept. 28, 1937.
Publication, Periodical. Culwright Publishing Company. 352,772; Dec. 14; Serial No. 391,178; published Sept. 28, 1937.
Publication, Periodical. C. D. Morris. 352,833; Dec. 14; Serial No. 394,671; published Sept. 28, 1937.
Publications. National Automotive Parts Association. 352,790; Dec. 14; Serial No. 393,614; published Sept. 28, 1937.
Signs, Decalcomania. Permalux Company. 352,859; Dec. 14; Serial No. 395,315; published Sept. 28, 1937.
Stamps, coupons, and trading stamps. Santé Institute, Ltd. 352,812; Dec. 14; Serial No. 394,351; published Sept. 28, 1937.

CLASS 39

Bathing trunks. Manhattan Shirt Company. 352,919; Dec. 14; Serial No. 396,148; published Oct. 5, 1937.
Clothing. Pacific Mills. 121,486; renewed Apr. 30, 1938.
Clothing, Articles of. McClure & McIntosh, Limited. 352,774; Dec. 14; Serial No. 391,646; published Oct. 5, 1937.
Coats and suits. Frank Levisohn & Co. Inc. 352,872; Dec. 14; Serial No. 395,482; published Oct. 5, 1937.
Coats and suits, Misses' and juniors'. Fred P. Weissman Inc. 352,888; Dec. 14; Serial No. 395,728; published Sept. 21, 1937.
Coats, scarfs, and capes of dyed rabbit skins, Fur. B. Kalish. 352,793; Dec. 14; Serial No. 393,713; published Oct. 5, 1937.
Coats, top coats, and suits. Style Art Clothes Inc. 352,918; Dec. 14; Serial No. 396,108; published Oct. 5, 1937.
Dresses and aprons. Decatur Garment Company. 352,911; Dec. 14; Serial No. 395,981; published Oct. 5, 1937.
Footwear. M. Gustin Co 119,702; renewed Dec. 11, 1937.
Garments, Children's sleeping. P. H. Hanes Knitting Company. 352,924; Dec. 14; Serial No. 396,266; published Oct. 5, 1937.
Hose. W. T. Grant Company. 352,928; Dec. 14; Serial No. 396,311; published Oct. 5, 1937.
Hosiery. G. & H. Hosiery Company. 352,899; Dec. 14; Serial No. 395,944; published Oct. 5, 1937.
Hosiery. Phoenix Hosiery Company. 352,930; Dec. 14; Serial No. 396,470; published Oct. 5, 1937.
Suits, Men's and boys'. Levy Bros. & Adler Rochester, Incorporated. 352,931; Dec. 14; Serial No. 396,571; published Oct. 5, 1937.
Suits, rompers, and sun suits, Children's. Kiddies Pal, Inc. 352,852; Dec. 14; Serial No. 394,179; published Oct. 5, 1937.
Sweaters, coats, dresses, etc., Knitted. Branford Sportwear, Inc. 352,807; Dec. 14; Serial No. 394,162; published Oct. 5, 1937.
Trousers and jackets. J. C. Penney Company 352,920–21; Dec. 14; Serial Nos. 396,162–3; published Oct. 5, 1937.

CLASS 40

Belting for ladies' wear. Tremont Mills Corporation. 352,894; Dec. 14; Serial No. 395,846; published Sept. 28, 1937.
Buckles, buttons, and ornamental pins. Boynton & Company. 352,856; Dec. 14; Serial No. 395,267; published Sept. 21, 1937.
Buttons, Horn. Lindenhurst Manufacturing Company. 352,813; Dec. 14; Serial No. 394,376; published Sept. 21, 1937.
Elastic fabrics, elastic belting, etc., Narrow. C. A. Cosman. 352,815; Dec. 14; Serial No. 394,402; published Sept. 21, 1937.
Elastic fabrics, Narrow. C. S. Cosman. 352,855; Dec. 14; Serial No. 395,223; published Sept. 28, 1937.
Hairpins, safety pins, crochet hooks, etc. Boye Needle Company. 352,743; Dec. 14; Serial No. 382,112; published Sept. 21, 1937.
Tapes, binding braids, and woven bindings. Andrew Y. Michie & Sons, Inc. 352,770; Dec. 14; Serial No. 391,028; published Sept. 21, 1937.

CLASS 42

Carpets, rugs, and upholstery piece goods. International Looms, Inc. 352,851; Dec. 14; Serial No. 395,173; published Oct. 5, 1937.
Cotton and woolen piece goods. L. L. Gang. 352,897; Dec. 14; Serial No. 395,861; published Oct. 5, 1937.
Cotton piece goods. Pacific Mills. 121,092; renewed Apr. 2, 1938.
Cotton piece goods. Pacific Mills. 121,203; renewed Apr. 16, 1938.
Cotton piece goods. Rice-Stix Dry Goods Company. 120,524; renewed Feb. 12, 1938.
Piece goods. Celanese Corporation of America. 352,913; Dec. 14; Serial No. 396,025; published Oct. 5, 1937.
Piece goods. William Cohen Fabrics Corporation. 352,887; Dec. 14; Serial No. 395,699; published Oct. 5, 1937.
Piece goods. Cohn-Hall-Marx Co. 352,926; Dec. 14; Serial No. 396,298; published Oct. 5, 1937.
Piece goods. Sayles Finishing Plants, Inc. 352,809; Dec. 14; Serial No. 394,197; published Oct. 5, 1937.
Piece goods, voiles, and drapery fabrics. Feinbeau Fabrics. 352,927; Dec. 14; Serial No. 396,303; published Oct. 5, 1937.
Piece goods, wide elastic webbings, and wide elastic sheetings. Darlington Fabrics Corporation. 352,915; Dec. 14; Serial No. 396,066; published Oct. 5, 1937.
Silk, foulards, florentines, etc., in the piece. Cheney Brothers. 120,249; renewed Jan. 29, 1938.
Woolen, worsted, hair, etc., piece goods. Cravenette Co., U. S. A. 121,413; renewed Apr. 30, 1938.

CLASS 43

Thread, Elastic. Andrews-Alderfer Company. 352,836; Dec. 14; Serial No. 394,776; published Sept. 28, 1937.
Yarn, Rayon. American Viscose Corporation. 352,914; Dec. 14; Serial No. 396,060; published Oct. 5, 1937.
Yarns. Bernhard Ulmann Co. Inc. 352,895; Dec. 14; Serial No. 395,847; published Sept. 28, 1937.
Yarns composed of rayon. Avondale Mills. 352,898; Dec. 14; Serial No. 395,939; published Oct. 5, 1937.

CLASS 44

Medicators. Hospital Specialty Co. 352,792; Dec. 14; Serial No. 393,712; published Oct. 5, 1937.

CLASS 45

Beverages and sirups and extracts for making the same, W. C. Crisman. 352,806; Dec. 14; Serial No. 395,857; published Oct. 5, 1937.
Beverages, and sirups and extracts for making the same. H. Sachs. 352,755; Dec. 14; Serial No. 388,840; published Apr. 6, 1937.
Juices, Canned nonalcoholic citrus. Mutual Orange Distributors. 352,810; Dec. 14; Serial No. 394,341; published Oct. 5, 1937.

CLASS 46

Candies. E. J. Brach & Sons. 352,782; Dec. 14; Serial No. 393,113; published Oct. 5, 1937.
Canned fruits. Mor-Pak Preserving Corporation. 352,750; Dec. 14; Serial No. 386,439; published Oct. 5, 1937.
Canned fruits, vegetables, berries, etc. J. A. Detwiler. 352,877; Dec. 14; Serial No. 395,564; published Oct. 5, 1937.
Caramels and candy. Demonets' Incorporated. 121,417; renewed Apr. 30, 1938.
Cereals, Breakfast. Hugh Tebault & Company. 352,875; Dec. 14; Serial No. 395,546; published Oct. 5, 1937.
Coffee substitute. Battle Creek Food Company. 3592,923; Dec. 14; Serial No. 396,251; published Oct. 5, 1937.
Concentrate, Livestock and poultry. A. W. Porter. 352,758; Dec. 14; Serial No. 389,376; published Oct. 5, 1937.
Confection, Formed candied pop corn. Cobble Corporation. 352,754; Dec. 14; Serial No. 388,309; published Oct. 5, 1937.
Flavoring concentrates, fruit, herb, root, etc. A. Rusenik. 352,843; Dec. 14; Serial No. 394,969; published Oct. 5, 1937.
Flour. Washburn Crosby Company. 352,740; Dec. 14; Serial No. 379,932; published Oct. 5, 1937.
Food drink. Chocolate flavored. Borden Company. 352,798; Dec. 14; Serial No. 393,936; published Oct. 5, 1937.
Food for dogs and cats. Black Products Co. 352,802; Dec. 14; Serial No. 395,791; published Oct. 5, 1937.
Foods. Alfred Jones' Sons. 119,455; renewed Nov. 20, 1937.
Foods. Perkins-Expometer Pickle Co. 120,285; renewed Jan. 29, 1938.
Fruits, Fresh citrus. Seaboard Lemon Assn. 352,925; Dec. 14; Serial No. 396,280; published Oct. 5, 1937.
Fruits, Fresh citrus. Holly Hill Fruit Products, Inc. 352,748; Dec. 14; Serial No. 385,520; published Oct. 5, 1937.
Gum, Candy coated chewing. Clark Brothers Chewing Gum Co. 352,870; Dec. 14; Serial No. 395,472; published Sept. 7, 1937.
Gum, Chewing. Pacific Mfg. Corporation. 352,900; Dec. 14; Serial No. 395,953; published Oct. 5, 1937.
Malt powder for commercial baking. Anheuser-Busch, Incorporated. 352,909; Dec. 14; Serial No. 395,975; published Oct. 5, 1937.
Malt powder for food confections. Anheuser-Busch, Incorporated. 352,910; Dec. 14; Serial No. 395,976; published Oct. 5, 1937.
Oleomargarin. Blanton Manufacturing Company. 109,633; renewed Apr. 11, 1938.
Oranges, lemons, and grape-fruit. Cobb & Doflemeyer. 121,596; renewed May 14, 1938.
Peanuts, Whole blanched salted. Planters Nut & Chocolate Co. 121,140; renewed Apr. 9, 1938.
Prune butter. Max Ams, Incorporated. 352,862; Dec. 14; Serial No. 395,391; published Oct. 5, 1937.
Vegetables, Fresh. Ice-Kist Packing Company. 352,800; Dec. 14; Serial No. 394,037; published Oct. 5, 1937.
Vegetables, Fresh. G. B. Musante. 352,736; Dec. 14; Serial No. 358,442; published Oct. 5, 1937.

CLASS 47

Wines. Beaulieu Vineyard. 352,844; Dec. 14; Serial No. 395,009; published Oct. 5, 1937.
Wines. Italian Swiss Colony. 352,822–3; Dec. 14; Serial Nos. 394,607–8; published Oct. 5, 1937.
Wines. La Perla Vineyard Company. 352,846; Dec. 14; Serial No. 395,040; published Oct. 5, 1937.
Wines. Supreme Wine Co. Inc. 352,820; Dec. 14; Serial No. 394,563; published Oct. 5, 1937.

CLASS 48

Malt beverages. Renner Company. 352,929; Dec. 14; Serial No. 396,336; published Oct. 5, 1937.

CLASS 49

Gin, Distilled dry. James Walsh & Company. 352,891; Dec. 14; Serial No. 395,776; published Oct. 5, 1937.
Whiskey. Kinsey Distilling Company. 352,932; Dec. 14; Serial No. 396,817; published Oct. 5, 1937.
Whiskey. Paramount Distilling Corporation. 352,773; Dec. 14; Serial No. 391,336; published July 13, 1937.

CLASS 50

Cotton piece goods, Processed and waterproofed. Joseph Bancroft & Sons Co. 352,933; Dec. 14.

LIST OF LABELS

Alkaleyes. For Eye Wash. Moderne Labs. 50,470; Dec. 14.
Aloha Pomade Oil. For Pomade Oil. M. S. Lilly. 50,468; Dec. 14.
Buddie. For Canned Peas. Oconomowoc Canning Company. 50,475; Dec. 14.
Child Tested & Approved. For Toys and Games. L. Rifkin. 50,479; Dec. 14.
Comfort Tissue. For Toilet Tissue. Comfort Paper Corporation. 50,454; Dec. 14.
'Country Club' Salted Soda Crackers. For Soda Crackers. Kroger Grocery & Baking Co. 50,463; Dec. 14.
Dromedary Tapioca. For Tapioca. Hills Brothers Company. 50,458; Dec. 14.
Fantaisie. For Chocolates. Daggett Chocolate Company. 50,455; Dec. 14.
Fashionette Utiliform of Preshrunk Linolin. For Uniforms and Utility Frocks. S. L. Hoffman & Co. 50,459; Dec. 14.
Flem-O-Lyn. For Emulsion for Treatment of Coughs due to Colds. Alkine Company. 50,449; Dec. 14.
Flem-O-Lyn. For an Emulsion for Treatment of Coughs Due to Colds. Alkine Company. 50,482; Dec. 14.
Four-State Motor Oil. For Motor Oil. Freedom Oil Works Company. 50,456; Dec. 14.
Glo-Wyn. For Chocolates. Stephen F. Whitman & Son, Inc. 50,481; Dec. 14.
Imperial-Ice-Box-Cookies. For Ice Box Cookies. F. G. Parker. 50,476; Dec. 14.
Johnson's Glo-Coat. For Floor Polish. S. C. Johnson & Son, Inc. 50,460; Dec. 14.
Johnson's Liquid Wax. For Liquid Wax. S. C. Johnson & Son, Inc. 50,461; Dec. 14.
'Junket' Brand Rennet Powder. For a Preparation for Making Milk Into Rennet-Custard Desserts. Crd. Hansen's Laboratory, Inc. 50,457; Dec. 14.
Kemp's Crocus Blossoms. For Chocolate Hand Dipped Confections. E. F. Kemp, Inc. 50,464; Dec. 14.
Krunchy. For Peanut Butter. Kelly Co. 50,462; Dec. 14.
Ledkote 25–30 U. T. For Lead Coated Copper Flat Sheets. Ledkote Products Company. 50,465; Dec. 14.
Ledkote 50 U. T. For Fabricated Lead Coated Copper Products. Ledkote Products Company. 50,466; Dec. 14.
Miss Wisconsin. For Canned Peas. Oconomowoc Canning Company. 50,474; Dec. 14.
'Nolf' Liquid Sun Shade. For Preparation for Preventing Sunburn. Norwich Pharmacal Company. 50,472; Dec. 14.
Old Dutch. For a Concentrated Cleaning and Washing Compound. E. L. Berger. 50,450; Dec. 14.
Palais Royal. For Robes. Matsil Brothers. 50,469; Dec. 14.
Planters Peanuts Pick of the Plantation. For Peanuts. Planters Nut & Chocolate Company. 50,477; Dec. 14.
Pop-E Pop Corn, Southern Minnesota Popcorn Company. For Popcorn. J. H. Nuetzman. 50,473; Dec. 14.
Pure-O-Clore. For Composition for Sterilizing, Bleaching, Deodorizing, and Removing Stains. Blue Cross Chemical Company. 50,451; Dec. 14.
Sliced Gold Top. For Bread. Central Waxed Paper Company. 50,452; Dec. 14.
Strength of the Loom. For Dry Goods. I. J. Leon. 50,467; Dec. 14.
Three Sisters Cleansing Pads. For Cleansing Pads for the Skin. Clark-Millner Company. 50,453; Dec. 14.
Toasted Pophitts. For Breakfast Foods. Puffed Cereals Incorporated. 50,478; Dec. 14.
2 Cents Cookie. For Cookies. Mountain City Mill Company. 50,471; Dec. 14.
Virtue Chrome Furniture. For Chrome Furniture. Virtue Bros. Mfg. Co. 50,480; Dec. 14.

LIST OF PRINTS

A Reflection of Quality for Any Automobile with Which It Is Associated. For Roller Bearings. Timken Roller Bearing Company. 16,613; Dec. 14.
Dot. For Pull Toys. G. C. Lundquist. 16,608; Dec. 14.
Fifth Avenue Hair Fashions. For Curlers. Hair Net Packers, Inc. 16,605; Dec. 14.

Gift from the Gay 90's. For Wheat Breakfast Food. Cream of Wheat Corporation. 16,604; Dec. 14.
Of All Your Faculties. For Lenses. Soft-Lite Lens Co. 16,612; Dec. 14.
Park Avenue Hair Fashions. For Hair Curlers. Hair Net Packers, Inc. 16,606; Dec. 14.
Planters Always Hit the Spot. For Peanuts. Planters Nut & Chocolate Company. 16,610; Dec. 14.
Recipe for Smartness "Pleated Plaid" . . . Again Because You Requested It—The Original Formflex Dresses. For Dresses. S. L. Hoffman & Co. 16,607; Dec. 14.
Safe-Way. For Extension Cord Connectors. Nu Way Products, Inc. 16,609; Dec. 14.
Simmons Arrowroot Dessert. For a Dessert. Simmons Distributing Co. Inc. 16,611; Dec. 14.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Anthony, Robert S., New York, N. Y. Treating invert syrup, honey, and the like. 20,594; Dec. 14.

Ayers, Samuel H., and C. W. Lang, assignors, by mesne assignments, to Crown Can Company, Philadelphia, Pa. Treating food products and resulting product. 20,578; Dec. 14.

Bishop, Benjamin S. T., Shrewsbury, and P. E. Dow, Leicester, Mass., assignors to Leland-Gifford Company. Hand operated, electric controlled, tapping device. 20,579; Dec. 14.

Boeger, Henry F. (See Dreyer, Charles B., assignor.)

Brown, Frank K., South Dartmouth, assignor to Continental Screw Company, New Bedford, Mass. Screw. 20,580; Dec. 14.

Continental Screw Company. (See Brown, Frank K., assignor.)

Crown Can Company. (See Ayers, S. H., and Lang, assignors.)

Davidson, William W., Evanston, Ill. Blank Conveying apparatus. 20,581; Dec. 14.

Dow, Percival E. (See Bishop, B. S. T., and Dow.)

Dreyer, Charles B., assignor to H. F. Boeger, Los Angeles, Calif. Composite photography. 20,582; Dec. 14.

Goodman Manufacturing Company. (See Sloane, William W., assignor.)

Guarnaschelli, Stephen, Corona, Long Island, assignor to Packless Metal Products Corporation, New York, N. Y. Flexible tubing. 20,583; Dec. 14.

Jorgensen, Clarence H. (See Jorgensen, Peter J. and C. H.)

Jorgensen, Clarence H. (See Jorgensen, Peter J. and Jorgensen, administrator, and C. H. Jorgensen, Anderson, Ind. Thermostatic valve. 20,584; Dec. 14.

Kliwer, Arthur G. (See Ponting, L. C., and Kliwer.)

Kollath, Francis C., Chicago, assignor of one-half to D. Woodhead, Evanston, Ill. Electric socket and casing. 20,585; Dec. 14.

Lang, Charles W. (See Ayers, S. H., and Lang.)

Leland-Gifford Company. (See Bishop, B. S. T., and Dow, assignors.)

Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)

Perfect Circle Company, The. (See Teetor, Herman, assignor.)

Petroleum Engineering, Inc. (See Raigorodsky, Paul M., assignor.)

Ponting, Leonard C., Pawtucket, R. I., and A. G. Kliwer, Abilene, Kans. Elevator bucket. 20,586; Dec. 14.

Raigorodsky, Paul M., assignor to Petroleum Engineering, Inc., Tulsa, Okla. Recovering hydrocarbon vapors. 20,587; Dec. 14.

Sanford Investment Company. (See Stow, Audley H.)

Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism for shaker conveyers. 20,589; Dec. 14.

Stow, Audley H., deceased, Charleston, W. Va., by Sanford Investment Company, Wilmington, Del., assignee. Mine and other car. 20,590; Dec. 14.

Stow, Audley H., deceased, Charleston, W. Va., by Sanford Investment Co., Wilmington, Del., assignee. Sidewise dumping mine car and the like. 20,591; Dec. 14.

Teetor, Herman, assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring expander. 20,588; Dec. 14.

Vuccino, Albert A., New York, N. Y. Ashtray. 20,592; Dec. 14.

Weiss, Samuel L., Brooklyn, N. Y. Faucet connection. 20,593; Dec. 14.

Woodhead, Daniel. (See Kollath, Francis C., assignor.)

LIST OF DESIGN PATENTEES

Abbate, Jacob, New York, N. Y. Dress. 107,475; Dec. 14.

Auburn Automobile Company. (See Snoke, Robert D., assignor.)

Balsam, John M., Kennilworth, N. Y. Textile fabric. 107,476; Dec. 14.

Banner Shoemakers, Inc. (See Feldman, Bernard, assignor.)

Bannister, Allen S., Teaneck, N. J., assignor to United States Rubber Products, Inc., New York, N. Y. Shoe sole. 107,400; Dec. 14.

Bars, Jacques M., New York, N. Y., assignor to Warren Telechron Company. Clock case. 107,401; Dec. 14.

Bates, Arthur, North Attleboro, Mass., assignor to Evans Case Company. Compact or the like. 107,402; Dec. 14.

Bayreuther, Karl, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y. Soup cup or similar article. 107,403; Dec. 14.

Berger, Marie R., New York, N. Y. Dress. 107,477; Dec. 14.

Berrick, Viola M., New York, N. Y. Dress. 107,478; Dec. 14.

Brooks, James M., Winnetka, Ill., assignor to Story, Brooks & Finley, Incorporated, New York, N. Y. Display stand. 107,404; Dec. 14.

Bruce, Ivan, Framingham, Mass., assignor to Warren Telechron Company. Clock case. 107,405; Dec. 14.

Bruce, Ivan, Framingham, Mass., assignor to Warren Telechron Company. Clock case. 107,406; Dec. 14.

Chapman, Samuel, New York, N. Y. Dress. 107,479; Dec. 14.

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)

Creek Chub Bait Company. (See Davenport, Sam F., assignor.)

Daniels, Amy J., Palmer, Mass. Orthopedic carriage. 107,407; Dec. 14.

Davenport, Sam F., assignor to Creek Chub Bait Company, Garrett, Ind. Fish lure. 107,408; Dec. 14.

Dick, Talbert M., and M. J. Fletcher, Des Moines, Iowa. Tobacco ash receptacle. 107,409; Dec. 14.

E-Z Mills, Inc. (See Haight, Everest D., assignor.)

Efantes, Marie, New York, N. Y. Dress. 107,480; Dec. 14.

Efantes, Marie, New York, N. Y. Dress. 107,481; Dec. 14.

Eliopoulos, Alexander A., Los Angeles, Calif. Food tongs. 107,410; Dec. 14.

Evans Case Company. (See Bates, Arthur, assignor.)

Evans, Evan G., Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y. Musical chime. 107,411; Dec. 14.

Farber, Louis, Yonkers, N. Y. Platter, or the like. 107,412; Dec. 14.

Feldman, Bernard, Newton Centre, assignor to Banner Shoemakers, Inc., West Peabody, Mass. Shoe or similar article. 107,413; Dec. 14.

Feldman, Bernard, Newton Centre, assignor to Banner Shoemakers, Inc., West Peabody, Mass. Shoe or similar article. 107,414; Dec. 14.

Felmann, Henri, Chicago, Ill. Handbag. 107,415; Dec. 14.

Felmann, Henri, Chicago, Ill. Handbag. 107,416; Dec. 14.

Fenaroli, Louise, Astoria, Long Island, N. Y. Dress. 107,482; Dec. 14.

Fisher, Elizabeth B. H., Mt. Pleasant, Mich. Brassière. 107,417; Dec. 14.

Fletcher, Maurice J. (See Dick, T. M., and Fletcher.)

Fouilhoux, Jacques A. (See Harrison, W. K., and Fouilhoux.)

Ganaway, John E., Fort Smith, Ark. Fishing sinker. 107,418; Dec. 14.

Gasser, George W., College, Alaska. Transplanting tool. 107,419; Dec. 14.

General Time Instruments Corporation. (See Schlenker, Max, assignor.)

Gilmore, John L., Kansas City, Mo. Automobile radio antenna. 107,420; Dec. 14.

Gorelick, Mary, New York, N. Y. Combined color dial and display stand. 107,423; Dec. 14.

Haight, Everest D., assignor to E-Z Mills, Inc., New York, N. Y. Combination shirt and shorts. 107,483; Dec. 14.

Harrison, Wallace K., New York, N. Y., and J. A. Fouilhoux, Short Hills, N. J., assignors to New York World's Fair 1939, Incorporated, New York, N. Y. Plaque. 107,424; Dec. 14.

Harrison, Wallace K., New York, N. Y., and J. A. Fouilhoux, Short Hills, N. J., assignors to New York World's Fair 1939, Incorporated, New York, N. Y. Model of an architectural unit. 107,425; Dec. 14.
Hart, Lawrence E., and H. E. Lewy, New York, N. Y. Lace for a jacket or similar article. 107,484; Dec. 14.
Hazel-Atlas Glass Company. (See Spence, James E., assignor.)
Hoffman, James H., New York, N. Y. Woven fabric. 107,485; Dec. 14.
Holmes, T. J., Company. (See Lohse, Frederick W., assignor.)
Honnorat, René, Grasse, France, assignor to Molinard, Inc., New York, N. Y. Toilet bottle. 107,426; Dec. 14.
Jones, Clarence M., Calhoun, Ga. Bedspread. 107,486; Dec. 14.
Kalmon, Morris, St. Louis, Mo. Shoe. 107,427; Dec. 14.
Karoff, Robert B., New York, N. Y. Compartment container for perfumes. 107,428; Dec. 14.
Koonz, Frederick W., Bernardston, assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon or similar article. 107,429; Dec. 14.
Kronenfeld, Samuel, Brooklyn, N. Y. Dress. 107,487; Dec. 14.
Kushner, Herman, New York, N. Y. Dress. 107,488; Dec. 14.
Lee, William M., Covington, Ky. X-ray apparatus. 107,430; Dec. 14.
Lewy, Herbert E. (See Hart, L. E., and Lewy.)
Linendoll Corporation. (See Tucker, John W., assignor.)
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,431; Dec. 14.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,432; Dec. 14.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 107,433; Dec. 14.
MacNally, Charles J., Jamaica, N. Y. Combined fountain pen and check protector or similar article. 107,488; Dec. 14.
Maisch, Jacques E., assignor to National Fabrics Corporation, New York, N. Y. Textile fabric. 107,489; Dec. 14.
Manning, Clarence J., Lake Bluff, Ill. Radio cabinet. 107,434; Dec. 14.
Marder, Leo, Brooklyn, N. Y. Brush. 107,435; Dec. 14.
McClellan, Fred C., Oak Park, Ill. Air conditioning apparatus. 107,436; Dec. 14.
McClellan, Fred C., Oak Park, Ill. Air filtering device. 107,437; Dec. 14.
McClellan, Fred C., Oak Park, Ill. Air conditioning apparatus. 107,439; Dec. 14.
McCreary, John T., Chicago, Ill. Combined ashtray and cigarette extinguishing device. 107,440; Dec. 14.
Molinard, Inc. (See Honnorat, René, assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Bicycle chain guard. 107,442; Dec. 14.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Bicycle tank. 107,443; Dec. 14.
National Fabrics Corporation. (See Maisch, Jacques E., assignor.)
Newman, Thomas J., Canton, Ohio. Insulated switch handle. 107,441; Dec. 14.
New York World's Fair 1939, Incorporated. (See Harrison, W. K., and Fouilhoux, assignors.)
Nutone Chimes Inc. (See Evans, Evan G., assignor.)
O'Brien, Harold J., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Food conveyer. 107,444; Dec. 14.
Odencrants, Henning, assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 107,445; Dec. 14.
Odencrants, Henning, assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 107,446; Dec. 14.
Odencrants, Henning, assignor to Valley Shoe Corporation, St. Louis, Mo. Shoe. 107,447; Dec. 14.
Ohlsson, Irwin G., Los Angeles, and H. T. Rice, San Gabriel, Calif. Miniature airplane engine. 107,448; Dec. 14.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Pixley, Judson S., Astoria, N. Y. Electric lantern. 107,449; Dec. 14.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Bread toaster. 107,450; Dec. 14.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Sandwich toaster or the like. 107,451; Dec. 14.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Toaster. 107,452; Dec. 14.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Stove. 107,453; Dec. 14.
Preston, Edward S., Hinsdale, assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Waffle mold or the like. 107,454; Dec. 14.
Raymond, Horace H., Berlin, assignor to The Stanley Works, New Britain, Conn. Handle or the like for doors and drawers. 107,455; Dec. 14.
Rice, Henry T. (See Ohlsson, I. G., and Rice.)
Rifkin, Milton, Denver, Colo. Showcase. 107,456; Dec. 14.
Rogers, Lunt & Bowlen Company. (See Koonz, Frederick W., assignor.)
Rosenthal China Corporation, The. (See Bayreuther, Karl, assignor.)
Rosenthal, David, New York, N. Y. Dress. 107,490; Dec. 14.
Rubin, Herbert, New York, N. Y. Frame for a bag or similar article. 107,457; Dec. 14.
San Giovanni, Edward, Jackson Heights, N. Y. Serving tray or similar article. 107,421; Dec. 14.
San Giovanni, Edward, Jackson Heights, N. Y. Teapot. 107,422; Dec. 14.
Schlenker, Max, LaSalle, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock casing. 107,458; Dec. 14.
Schlessel, Philip, New York, N. Y. Dress. 107,491; Dec. 14
Schultze, Ralph, New York, N. Y. Dress. 107,492; Dec. 14.
Schwab, David E., New York, N. Y. Handkerchief. 107,493; Dec. 14.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Snoke, Robert D., South Bend, assignor to Auburn Automobile Company, Connersville, Ind. Combined automobile steering wheel and horn control device. 107,459; Dec. 14.
Spence, James E., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Dish. 107,460; Dec. 14.
Standard Sanitary Manufacturing Company. (See Trout, Harry R., assignor.)
Stanley Works, The. (See Raymond, Horace H., assignor.)
Story, Brooks & Finley, Incorporated. (See Brooks, James M., assignor.)
Swartzbaugh Manufacturing Company, The. (See O'Brien, Harold J., assignor.)
Teague, Walter D., Jr., Kew Gardens, N. Y. Combined coal and gas range. 107,461; Dec. 14.
Teague, Walter D., Forest Hills, assignor to The Texas Company, New York, N. Y. Service station. 107,462; Dec. 14.
Teague, Walter D., Forest Hills, assignor to The Texas Company, New York, N. Y. Service station. 107,463; Dec. 14.
Texas Company, The. (See Teague, Walter D., assignor.)
Trout, Harry R., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Drinking fountain. 107,464; Dec. 14.
Tucker, John W., assignor to Linendoll Corporation, Chicago, Ill. Gear case flusher. 107,465; Dec. 14.
Turiansky, Abraham, New York, N. Y. Shoe. 107,466; Dec. 14.
Turiansky, Abraham, New York, N. Y. Shoe. 107,467; Dec. 14.
Turiansky, Abraham, New York, N. Y. Shoe. 107,468; Dec. 14.
Turiansky, Abraham, New York, N. Y. Shoe. 107,469; Dec. 14.
United States Rubber Products, Inc. (See Bannister, Allen S., assignor.)
Valley Shoe Corporation. (See Odencrants, Henning, assignor.)
Warner, Rudolph J., Buffalo, N. Y. Jewelry display stand. 107,470; Dec. 14.
Warren Telechron Company. (See Bruce, Ivan, assignor.)
Warren Telechron Company. (See Bars, Jacques M., assignor.)
Waxberg, Augusta, New York, N. Y. Dress. 107,494; Dec. 14.
Welch, Irene, New York, N. Y. Dress. 107,471; Dec. 14.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 107,472; Dec. 14.
Wurlitzer, Rudolph, Company, The. (See Zaiser, William, assignor.)
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, DeKalb, Ill. Piano. 107,473; Dec. 14.
Zaiser, William, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, DeKalb, Ill. Piano. 107,474; Dec. 14.
Zaretzky, Oscar, New York, N. Y. Dress. 107,495; Dec. 14.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abe, Suyekichi. (See Hara, R., and Abe.)
Abendroth, Otto A., Appleton, Wis. Wire seam. 2,102,300; Dec. 14.
Aeschbach, Walter E., St. Louis, Mo. Can opener. 2,102,174; Dec. 14.
Air-way Electric Appliance Corporation. (See Riebel, F., and Dow, assignors.)
Aktiebolaget Transitoria. (See Ljungström, Erik, assignor.)
Alcorn Combustion Company. (See Alcorn, James S., assignor.)
Alcorn, James S., Wynnewood, assignor to Alcorn Combustion Company, Philadelphia, Pa. Heat transfer system. 2,101,835; Dec. 14.
Allan, John, and J. A. Wainwright, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of effects on materials. 2,101,887; Dec. 14.
Allegemeine Elektricitatz Gesellschaft. (See Klutke, Fritz, assignor.)
Allen, William S., Warwick, R. I. Apparatus for discharging condensate from drying drums. 2,102,106; Dec. 14.
Ambroslus, George M., Lakewood, assignor to The Standard Oil Company (Ohio), Cleveland, Ohio. Sheet metal piston manufacture. 2,101,888; Dec. 14.
American Bemberg Corporation. (See Brueggemann, Leo, assignor.)
American Brass Company, The. (See Davis, C. H., and Munsen, assignors.)
American Brass Company, The. (See Smith, Cyril S., assignor.)
American Fork & Hoe Company, The. (See Cowdery, R. H., and Wright, assignors.)
American Forging & Socket Company. (See Saunders, W. S., and McGregor, assignors.)
American Fork & Hoe Company, The. (See Fifield, Albert F., assignor.)
American Fork & Hoe Company, The. (See Kinnear, John K., assignor.)
American Fork & Hoe Company, The. (See Yearley, George W., assignor.)
American Machine & Foundry Company. (See Gwinn, George W., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Magnesium Metals Corporation. (See Schichtel, Georg, assignor.)
American Rolling Mill Company, The. (See McGohan, George W., assignor.)
American Rolling Mill Company, The. (See Passano, Russell F., assignor.)
American Sheet & Tin Plate Company. (See Moore, Carl E., assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Lebedeff, assignors.)
American Steel and Wire Company of New Jersey, The. (See Brickman, A. E., and Gleason, assignors.)
American Sweetwood Holder Co. (See McWane, Gerould R., assignor.)
American Steel and Wire Company of New Jersey, The. (See Elder, Flint C., assignor.)
American Telephone and Telegraph Company. (See Blackwell, O. B., and Herman, assignors.)
American Telephone and Telegraph Company. (See Gardner, L. A., and Singer, assignors.)
American Thermos Bottle Company, The. (See Payson, A. H., and Duevel, assignors.)
Anaconda Wire & Cable Company. (See Rosch, Samuel J., assignor.)
Anderson, Gustave. (See Nicholls, W. H., and Anderson.)
Anderson, Roger, assignor to The Tower Company, Seattle, Wash. Fracture splint. 2,101,889; Dec. 14.
Andres, Lloyd J., assignor to Automatic Instrument Company, Grand Rapids, Mich. Projector. 2,101,890; Dec. 14.
Arndt, W. F., et al. (See Spelts, George A., assignor.)
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Making electric heater elements. 2,102,301; Dec. 14.
Arnold, Edwin E., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resistor element. 2,102,302; Dec. 14.
Arnold, James C., assignor to Lane-Wells Company, Los Angeles, Calif. Commutator brush. 2,102,347; Dec. 14.
Arst, Morris, Chicago, Ill. Hooded garment. 2,102,251; Dec. 14.
Asahi Garasu Kabushiki Kaisha. (See Hara, R., and Abe, assignors.)
Atlas Ago Chemische Fabrik, Aktien-Gesellschaft. (See Closmann, Adolf, assignor.)
Atlas Powder Company. (See Power, J. T., and Brown, assignors.)
Atlas Werke Aktiengesellschaft. (See Kunze, Willy, assignor.)
Auburn Automobile Company. (See Burkey, Jay F., assignor.)
Auger, Joe, Elk Lake, Ontario, Canada. Faucet. 2,102,503; Dec. 14.
Austin, Arthur O., Near Barberton, Ohio. Uniform arc, compensating chord conductor support with resilient grip heads. 2,102,232; Dec. 14.
Autogiro Company of America. (See Prewitt, Richard H., assignor.)
Auto-Ordnance Corporation. (See Norman, George, assignor.)
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Auto Radiator Manufacturing Co. (See Kirsch, Benjamin, assignor.)
Babcock, David L., assignor to Eastman Kodak Company, Rochester, N. Y. Tilting mechanism for projectors. 2,101,830; Dec. 14.
Baldwin, Alfred W., and H. M. Bunbury, Blackley, England, assignors to Imperial Chemical Industries Limited. Sulphated selachyl alcohol. 2,101,831; Dec. 14.
Balochi, Charlie T., Roanoke, Va. Cuspidor carrier and handler. 2,102,348; Dec. 14.
Barclay, Robert E., assignor to Federal Electric Company, Inc., Chicago, Ill. Gaseous conduction device. 2,102,189; Dec. 14.
Barclay, Robert E., assignor to Federal Electric Company, Inc., Chicago, Ill. Discharge apparatus and method. 2,102,190; Dec. 14.
Barclay, Robert E., assignor to Federal Electric Company, Inc., Chicago, Ill. Gaseous conduction device. 2,102,191; Dec. 14.
Barclay, Robert E., assignor to Federal Electric Company, Inc., Chicago, Ill. Effecting gaseous mixtures. 2,102,192; Dec. 14.
Baron, Charles S., Tiffin, Ohio. Closure for receptacles. 2,102,349; Dec. 14.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Volume control circuits. 2,101,832; Dec. 14.
Bates, Sidney Q., Houston, Tex. Fluid operated pump. 2,101,833; Dec. 14.
Batzer, George J., Cleveland, Ohio, assignor to Micromatic Hone Corporation. Grinding device. 2,102,053; Dec. 14.
Banmgarten, Paul, Berlin, Germany, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Manufacturing amino sulphonic acid. 2,102,350; Dec. 14.
Bausch & Lomb Optical Company. (See Bausch, William, assignor.)
Bausch & Lomb Optical Company. (See Fassin, Gustave, assignor.)
Bausch & Lomb Optical Company. (See Fassin, G., and Miles, assignors.)
Bausch & Lomb Optical Company. (See Foster, Leon V., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)
Bausch, William, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,101,928; Dec. 14.
Bean, Fred R., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Compositions of matter for photographic processing baths. 2,101,834; Dec. 14.
Beardsley, Guy E., Jr., Hartford, and W. A. Parkins, West Hartford, Conn., assignors, by mesne assignments, to United Aircraft Corporation. Mixture control. 2,102,504; Dec. 14.
Becher, Theodor, Weisbaden, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany. Double walled sluice gate. 2,101,973; Dec. 14.
Beck, Ernie J., and W. B. Schroeder, Chicago, Ill., assignors, by mesne assignments, to S. Karpen & Bros. Seat back. 2,102,351; Dec. 14.
Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Tuning meter. 2,101,891; Dec. 14.
Behnke, George W., assignor to Simplicity Engineering Company, Durand, Mich. Gyrating machine. 2,102,252; Dec. 14.
Belcher, Harold H., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Fabric treating machine. 2,101,974; Dec. 14.
Bell, James H. (See Dinley, Clarence F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)

Bell Telephone Laboratories, Incorporated. (See Sperry, Arthur B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Strieby, Maurice E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)
Benedict, Edward L., assignor to Elb Products, Inc., New York, N. Y. Thermal insulating building unit. 2,101,836; Dec. 14.
Benner, Winthrop W., Ithan and F. Leopold, Jr., Harmonville, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Automatic stock take-off machine. 2,102,453; Dec. 14.
Bennett, William, Westbury, N. Y. Clear-vision antiglare windshield. 2,102,454; Dec. 14.
Berkhoff, Gerrit, Jr., Kerensheide, Post Lutterade, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands. Production of ammonium sulphate. 2,102,107; Dec. 14.
Berthiez, Charles W., assignor to "Compagnie de Fives-Lille", Paris, France. Machine for the tool of metallic screw propeller blades. 2,102,505; Dec. 14.
Bethlehem Steel Company. (See Kinney, James A., assignor.)
Betterton, Jesse O., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining lead. 2,101,975; Dec. 14.
Biedermann, Frank A., Chicago, Ill., assignor to Paper Patents Company, Neenah, Wis. Thermal insulation. 2,102,233; Dec. 14.
Bilde, Tord E. D., Stockholm, Sweden. Cooking range with muffle oven. 2,102,352; Dec. 14.
Billings, Edmund, Weston, and H. H. Offutt, Winchester, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Apparatus for treating carbon black and the like. 2,102,054; Dec. 14.
Binkley Coal Company. (See Merchant, G. A., and Milan, assignors.)
Binks Manufacturing Company. (See Bramsen, S., and Wahlin, assignors.)
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Fuse switch. 2,102,253; Dec. 14.
Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,102,403; Dec. 14.
Blackwell, Otto B., Plandome, N. Y., and J. Herman, Westfield, N. J., assignors to American Telephone and Telegraph Company. Television system. 2,101,976; Dec. 14.
Blanchett, Luther E., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Leveling device. 2,101,837; Dec. 14.
Bland, Frederick O. S., Hamburg, Germany. Freezing medium, method of production and application for freezing purposes. 2,102,506; Dec. 14.
Blatchford, Albert O., Amballes Guernsey. Channel, Islands. Water tube boiler. 2,101,892; Dec. 14.
Blood, Laurence E., Newton, assignor to S. A. Woods Machine Company, Boston, Mass. Molder. 2,102,175; Dec. 14.
Boeing Aircraft Company. (See Kylstra, John, assignor.)
Boerger, Martin G., assignor to Modine Manufacturing Company, Racine, Wis. Soldering machine. 2,101,929; Dec. 14.
Boker & Company. (See Van Allen, George C., assignor.)
Bokovoy, Samuel A., Audubon, and P. D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America. Piezoelectric apparatus. 2,101,893; Dec. 14.
Bolle, León, assignor to La Nationale Societe Anonyme, Geneva, Switzerland. Combustible liquid lighter. 2,102,108; Dec. 14.
Bond, Samuel C., Holly Oak, Del. Machine for applying closures. 2,101,977; Dec. 14.
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,102,455; Dec. 14.
Bonstein, Robert J., Scranton, Pa. Insecticides and fungicides. 2,102,564; Dec. 14.
Boosey, Edward W. N., Detroit, Mich. Floor drain. 2,101,978; Dec. 14.
Booth, Roland T., assignor to McDonald Products Corporation, Buffalo, N. Y. Smoker's accessory. 2,102,565; Dec. 14.
Bordonaro, Benedict C. (See Johnson, L. E., and Bordonaro.)
Bosch, Robert Aktiengesellschaft. (See Schweizer, Alfred, assignor.)
Boughton, Roger C., San Francisco, Calif. Pipe joint. 2,101,894; Dec. 14.
Boulton, Harold S., Chicago, Ill. Machine for troweling. 2,101,895; Dec. 14.
Bramsen, Svend, and F. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Spray gun valve. 2,102,303; Dec. 14.
Brand, Robert A., assignor of one-half to J. A. Perley, Washington, D. C. Air conditioning system and apparatus. 2,102,507; Dec. 14.
Brandt, David G., Westfield, assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J. Distillation of oil. 2,102,234; Dec. 14.
Brauer, Walter, Houston, Tex. Sidetracking tool. 2,102,055; Dec. 14.
Brennan, Edward J. (See Valentine, T. G., and Brennan.)
Brickman, Alan E., and G. A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey. Bar mat clip. 2,102,566; Dec. 14.
Brill, Abraham K., and W. A. Wake, assignors to The Republic Rubber Company, Youngstown, N. Y. Treatment of rubber articles. 2,102,456; Dec. 14.
Brock, Clarence A., assignor to Rexair Corporation, Detroit, Mich. Vacuum cleaner. 2,102,353; Dec. 14.
Brock, Norman H., Philadelphia, Pa. Stereoscopic photography. 2,101,979; Dec. 14.
Brockhurst, James B., Red Bank, N. J. Method and apparatus for building sea walls. 2,102,254; Dec. 14.
Brooks, Alfred J., Jamaica Plain, Mass. Package for dry goods, and method and apparatus for making the same. 2,102,508; Dec. 14.
Brody, Samuel C., Brighton, Mass. Automatic blast torch. 2,102,404; Dec. 14.
Brown & Bailey Company. (See Keppler, Albert E., assignor.)
Brown, Kenneth R. (See Power, J. T., and Brown.)
Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Safety feed knock-out. 2,102,567; Dec. 14.
Brueggemann, Leo, Wuppertal-Oberbarmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Tension compensator for winding machines. 2,102,109; Dec. 14.
Brunner, Lillian B., Shaker Heights, Ohio. Guard attachment for mixing machines. 2,101,980; Dec. 14.
Buckley, Thomas A. (See Terry, M. C., and Buckley.)
Bucyrus-Erie Company. (See Blanchett, Luther E., assignor.)
Budden, Hanbury A. (See Warren, Thomas W., assignor.)
Buffington, John R. (See Raisch, W., Woodman, Buffington, and Morris.)
Bulldog Electric Products Company. (See Thomson, Alfred J., assignor.)
Bunbury, Hugh M. (See Baldwin, A. W., and Bunbury.)
Burgess, C. F., Laboratories, Inc. (See Sidell, Kemper, assignor.)
Burkey, Jay F., assignor to Auburn Automobile Company, Auburn, Ind. Vehicle body. 2,102,110; Dec. 14.
Burkhardt, James C., Dayton, Ohio. Buffer core. 2,102,193; Dec. 14.
Burlingame, Leslie G., Erlton, N. J., assignor to Radio Corporation of America. Capacitor. 2,101,896; Dec. 14.
Burnett, William E., Ilion, N. Y. Safety razor. 2,102,142; Dec. 14.
Burns, Erwin. (See Wickersham, Harry P., assignor.)
Burns, William E., West York, and E. N. Miller, assignors to York Narrow Fabrics Co., York, Pa. Shuttle driving mechanism for looms. 2,101,981; Dec. 14.
Busch-Sulzer Bros.-Diesel Engine Company. (See Rotter, Max, assignor.)
Byron Jackson Co. (See Mendenhall, E., and Van Horn, assignors.)
Cabot, Godfrey L., Inc. (See Billings, E., and Offutt, assignors.)
Campbell, Charles H., Kent, Ohio. Manufacture of composite glue products. 2,102,255; Dec. 14.
Campbell, John F., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Mold breaker. 2,102,552; Dec. 14.
Campbell, Richard L., Oaklyn, N. J., assignor to Radio Corporation of America. Television system. 2,102,256; Dec. 14.
Campbell, William A., Youngstown, Ohio. Razor blade sharpener. 2,102,509; Dec. 14.
Campbell, Wyant and Cannon Foundry Company. (See Goldberg, Mark J., assignor.)
Canady, Don, Cleveland, Ohio. Sound recording system. 2,102,194; Dec. 14.
Carborundum Company, The. (See Chormann, G. W., and Cowle, assignors.)
Carey, Philip, Manufacturing Company, The. (See Warner, Leroy E., assignor.)
Carlberg, Raymond F., Grand Rapids, Mich. Machine and method for forming helical springs. 2,101,982; Dec. 14.
Carpender, William, New Brunswick, assignor, by mesne assignments, to Carrier Corporation, Newark, N. J. Fan economizer. 2,101,983; Dec. 14.
Carr, Commodore. (See Troesh, Morrison C., assignor.)
Carrier Corporation. (See Carpender, William, assignor.)
Carter, Willard K. (See McKinley, J. M., and Carter.)
Case, Lynn B. (See Scott, H. A., and Case.)
Cecil, Walter W., II, Harrison, Ark. Paper drinking cup. 2,102,510; Dec. 14.
Celanese Corporation of American. (See Allan, J., and Wainwright, assignors.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Central Bag & Burlap Co. (See Rose, Charles, assignor.)
Central National Bank of Cleveland. (See Stimson, Percy G., assignor.)
Chadwick, Lee S., Shaker Heights Village, M. Resek, Cleveland Heights, and W. G. Midnight, Bay Village, assignors to Perfection Stove Company, Cleveland, Ohio. Refrigeration control means and method. 2,102,056; Dec. 14.
Chain Belt Company. (See Lind, Arthur C., assignor.)
Chain Belt Company. (See Merwin, J. C., and Lindow, assignors.)

Chain Belt Company. (See Shafer, Samuel, Jr., assignor.)
Chamberlain, Alfred J., Wauwatosa, Wis. Dispensing container. 2,102,057; Dec. 14.
Chambers, Jewel C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigeration. 2,102,354; Dec. 14.
Chance, Britton, Haverford, Pa. Automatic steering means. 2,102,511; Dec. 14.
Chance, Britton, Mantoloking, N. J. Automatic steering means. 2,102,512; Dec. 14.
Chance, Britton, Mantoloking, N. J. Steering means. 2,102,513; Dec. 14.
Charbonneau, Allan P, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Pressure responsive device. 2,102,304; Dec. 14.
Chester, Alden P. (See Harvey, W. D., and Chester.)
Chesterman-Leeland Company, The. (See Foster, Charles C., assignor.)
Chicago Bridge & Iron Company. (See Hines, Clarence W., assignor.)
Chicago Spring Hinge Company. (See Keene, William J., assignor.)
Chilton Pen Company, The. (See Sypher, Milford G., assignor.)
Chormann, George W., Niagara Falls, N. Y., and H. J. Cowle, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Making abrasive teeth for stone saws. 2,102,305; Dec. 14.
Chormann, George W., Niagara Falls, N. Y., and H. J. Cowle, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Metal reinforcement for abrasive teeth. 2,102,306; Dec. 14.
Chronmaster Electric Corporation. (See Ferbend, Spencer, assignor.)
Chrysler Corporation. (See Herreshoff, Alexander G., assignor.)
Chrysler Corporation. (See Kogstrom, Axel W., assignor.)
Chrysler Corporation. (See Macauley, J. H., Jr., and Roualet, assignors.)
Chrysler Corporation. (See Staley, Allen C., assignor.)
Chrysler Corporation. (See Tea, Clark A., assignor.)
Chrysler Corporation. (See Zeder, James C., assignor.)
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Threaded nut device. 2,102,554; Dec. 14.
Chwala, August, Vienna, E. Waldmann, Klosterneuburg, near Vienna, and A. Martina, Vienna, Austria. Preparing oil varnishes. 2,102,307; Dec. 14.
Clark Equipment Company. (See Yeakel, Walter C., assignor.)
Clarkson, Marion C., Atlanta, Ga. Auxiliary oiling device. 2,102,514; Dec. 14.
Cleveland, Henry. Munksnas, Helsingfors, Finland. Syringe for cold-hot water supply. 2,102,111; Dec. 14.
Cleven, Olof L., Washington, D. C. Verifying machine. 2,102,577; Dec. 14.
Clifford, Thomas W. (See Reason, R. E., and Clifford.)
Clipshave Inc. (See Hanley, John A., assignor.)
Closmann, Adolph, Leipzig, assignor to Atlas Ago Chemische Fabrik, Aktien-Gesellschaft, Molkau, Leipzig, Germany. Collar. 2,102,058; Dec. 14.
Cochrane Corporation. (See Joos, C. E., and Gibson, assignors.)
Cochran, Joseph T., Chicago, Ill. Printing cut. 2,101,838; Dec. 14.
Coggiola, Gioacchino, Union City, N. J. Utility hanger. 2,102,405; Dec. 14.
Cohen, Abraham, New Haven, Conn. Braking apparatus. 2,102,406; Dec. 14.
Cohen, Sol D., assignor to Paper Novelty Manufacturing Co., New York, N. Y. Greeting card. 2,102,553; Dec. 14.
Colonial Broach Company. (See Hart, William A., assignor.)
Colonial Trust Company, The, et al., executor. (See Summey, David L.)
Colson Corporation, The. (See Roe, Mayo E., assignor.)
"Compagnie de Fives-Lille". (See Berthiez, Charles W., assignor.)
Compagnie pour la Fabrication des Compteurs & Materiel d'Usines a Gaz. (See Fallou, Jean, assignor.)
Conklin, Frederick R., and C. L. Fletcher, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Treatment of cellulose esters to render suitable for molding. 2,101,984; Dec. 14.
Connell, James J., Detroit, Mich., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Lock washer. 2,102,494; Dec. 14.
Connell, Robert L., Rome, Ga. Tool carrier. 2,102,515; Dec. 14.
Conniffe, Robert B., Tillman, S. C. Safety signal for firearms. 2,102,195; Dec. 14.
Consolidated Mining & Smelting Company of Canada. (See Lepsoe, Robert, assignor.)
Consortium für Elektrochemische Industrie, G. m. b. H. (See Mugdan, M., and Sixt, assignors.)
Continental Can Company. (See Kronquest, Alfred L., assignor.)
Continental Gin Company. (See Deems, Frank E., assignor.)
Continental Oil Company. (See Dyer, Joseph G., assignor.)
Convers, Wilber H., Poughkeepsie, assignor to James K. Delano, Rye, N. Y. Device for applying coatings to wires. 2,102,059; Dec. 14.
Consortium für Elektrochemische Industrie, G. m. b. H. (See Mugdan, M., and Sixt, assignors.)
Coopers Incorporated. (See Kneibler, Arthur R., assignor.)
Copper Houses, Inc. (See Whelan, John J., assignor.)
Costello, Joseph C., San Francisco, Calif. Powder loading device. 2,102,112; Dec. 14.
Coster, Henry J., The Hague Netherlands, assignor to Special Products Company, Chicago, Ill. Flexible cheese coating. 2,102,516; Dec. 14.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Universal joint controlled clutch. 2,101,897; Dec. 14.
Cowdery, Robert H., and C. Wright, Geneva, assignors to The American Fork & Hoe Company, Cleveland, Ohio. Golf shaft. 2,102,060; Dec. 14.
Cowle, Harry J. (See Chormann, G. W., and Cowle.)
Crabtree, George W., Cleveland Heights, Ohio. Spring cover. 2,102,061; Dec. 14.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Electrical condenser. 2,101,985; Dec. 14.
Craske, Alfred H., Salisbury, assignor of one-half to W. R. K. Gandell, West Kensington, London, England. Driving mechanism for internal combustion engines and the like. 2,102,196; Dec. 14.
Crawford, Beatty M., Santa Ana, Calif. Power hoist. 2,101,839; Dec. 14.
Cream City Boiler Company. (See Webb, Arthur B., assignor.)
Creamery Package Mfg. Company, The. (See Walstrom, Axel M., assignor.)
Crewdson, Sarah M., Chicago, Ill. Shoulder strap. 2,102,062; Dec. 14.
Crompton, George, Jr., Flushing, N. Y., and C. J. Green, assignors to Norton Company, Worcester, Mass. Grinding machine. 2,102,517; Dec. 14.
Cross, Carroll N., Middleboro, Mass. Picture mount or the like and making the same. 2,102,519; Dec. 14.
Crosser, David H., Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowac, Wis. Ornament. 2,101,898; Dec. 14.
Crosthwait, David N., Jr., assignor to C. A. Dunham Company, Marshalltown, Iowa. One pipe heating system regulating plate. 2,102,197; Dec. 14.
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Self-erecting front camera. 2,101,986; Dec. 14.
Cummins, Alden C., Duquesne, Pa. Rolling mill drive. 2,102,355; Dec. 14.
Cummins, Alden C., Duquesne, Pa. Die-rolling mill. 2,102,356; Dec. 14.
Cutler-Hammer, Inc. (See Charbonneau, Allan P., assignor.)
Cutler-Hammer, Inc. (See Hodgson, Howard E., assignor.)
Dalén, Gustaf, Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Draft regulation. 2,102,143; Dec. 14.
Dalton, Schuyler, N. (See Replogle, H. H., and Dalton.)
Dammes, John T. (See Zeeb, W. J., Dammes, and Morris.)
Danforth, George L., Jr., assignor to Open Hearth Combustion Company, Chicago, Ill. Furnace construction. 2,102,257; Dec. 14.
Dann, Charles W., East Orange, assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J. Control device and the production thereof. 2,102,407; Dec. 14.
Davis, Charles H., Cheshire, and E. L. Munson, Naugatuck, assignors to The American Brass Company, Waterbury, Conn. Copper base alloy. 2,101,930; Dec. 14.
Daw, Burton G., Webster Groves, Mo. Automatic plating conveyer. 2,102,308; Dec. 14.
Decarie Incinerator Corporation. (See Raisch, W., Woodman, Buffington, and Morris, assignors.)
Deems, Frank E., Birmingham, Ala., assignor to Continental Gin Company. Cleaner and hull extracting feeder for cotton. 2,102,408; Dec. 14.
Deen, William E. (See Ferrara, S. J., and Deen.)
Deere & Company. (See Coultas, Wilbur J., assignor.)
De Directie can de Staatsmijnen in Limburg. (See Berkhoff, Gerrit, Jr., assignor.)
De jydske Skaervefabriker. (See Nielsen, Hans P. K. T., assignor.)
Delano, John K. (See Convers, Wilber H.)
De Laval Separator Company, The. (See Walch H., and Prélaz, assignors.)
Del-Mac Shoe Process Corporation. (See Quinn, Edward, assignor.)
De Montmorency, Bruce, Pelham, assignor to National Silver Deposit Ware Co., Inc., New York, N. Y. Cocktail shaker. 2,102,520; Dec. 14.
Detroit Lubricator Company. (See Dillman, Ernest J., assignor.)
Detwiler, Fred L., Santa Ana, Calif. Floor sander. 2,102,063; Dec. 14.
De Vilbiss Company, The. (See Habermaier, Reinhard A., assignor.)

De Vilbiss Company, The. (See Roselund, Harold A., assignor.)
Dichter, Jakob, Berlin-Schoneberg, Germany. Method and apparatus for making double-walled glass vessels. 2,102,357; Dec. 14.
Dickman, George. (See Dickman, Lawrence, and G.)
Dickman, Lawrence, and G. Dickman, Covington, Ky. Clerical vestment. 2,102,198; Dec. 14.
Dictaphone Corporation. (See Lucarelle, J. M., and Renholdt, assignors.)
Dietzgen, Eugene, Company. (See Langsner, Adolph, assignor.)
Dillman, Ernest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control means. 2,102,176; Dec. 14.
Dinley, Clarence F., Detroit, Mich., assignor to J. H. Bell, Philadelphia, Pa. Degreasing apparatus. 2,101,840; Dec. 14.
Dinley, Clarence F., Detroit, Mich., assignor to James H. Bell, Philadelphia, Pa. Degreasing apparatus. 2,101,841; Dec. 14.
Ditto, Incorporated. (See Whitmore, William B., assignor.)
Dixon, Fate, assignor of one-half to J. E. Moses, Durham, N. C. Gun. 2,102,199; Dec. 14.
Djordjevitch, Yesdimir, Paris, France. Carburetor. 2,102,113; Dec. 14.
Dodge, Horace E., Boat & Plane Corporation. (See Leveau, Walter, assignor.)
Doner, Ralph D., Auburn, Ala. Diffraction grating tool. 2,102,521; Dec. 14.
Dornin, George A., Baltimore, Md. Producing ingots. 2,102,258; Dec. 14.
Dorset, Marion, deceased, by V. J. Dorset, administrator, Washington, D. C., assignor to H. A. Wallace, as Secretary of Agriculture of the United States of America. Vaccines and manufacturing vaccines. 2,102,235; Dec. 14.
Dorset, Virgil J., administrator. (See Dorset, Marion.)
Dougherty, Gregg, Princeton, N. J. Refining diphenyl sulphide. 2,102,200; Dec. 14.
Douglas, James K., assignor to The Oilgear Company, Milwaukee, Wis. Speed controller for hydraulic motors. 2,102,177; Dec. 14.
Dow, Dewey M. (See Riebel, F., and Dow.)
Duevel, Charles O., Jr. (See Payson, A. H., and Duevel.)
Dumke, Willy. (See Hoffman, Jacob, assignor.)
Duncan, Robert D., Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y. Binaural program system. 2,102,144; Dec. 14.
Dunham, C. A., Company. (See Crosthwait, David N., Jr., assignor.)
Dunn, William G., Clarinda, Iowa. Wind driven generator structure. 2,102,309; Dec. 14.
Du Pont, E. I., de Nemours and Company. (See Baumgarten, Paul, assignor.)
Du Pont, E. I., de Nemours & Company. (See Haag, I. L., and Vana, assignors.)
Du Pont, E. I., de Nemours & Company. (See Haskins, J. F., and Ellsworth, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hunt, J. K., and Latham, assignors.)
Du Pont, E. I., de Nemours & Company. (See Merriss, Morton H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Stronse, George C., assignor.)
Durand, Paul. (See Lechesne, Gabriel, assignor.)
Durant, John D., assignor to Schwarze Electric Company, Adrian Mich. Thermostat. 2,102,201; Dec. 14.
Dyer, John B., Pendleton, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Engine starter control apparatus. 2,101,931; Dec. 14.
Dyer, Joseph G., assignor to Continental Oil Company, Ponca City, Okla. Drilling wells. 2,102,555; Dec. 14.
Eastman Kodak Company. (See Babcock, David L., assignor.)
Eastman Kodak Company. (See Boan, Fred R., assignor.)
Eastman Kodak Company. (See Conklin, F. R., and Fletcher, assignors.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Fordyce, Charles R., assignor.)
Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
Eastman Kodak Company. (See Murray, Alexander, assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Shoppard, S. E., and Hudson, assignors.)
Ebert, Fritz, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany. Differential feed device for sewing machines. 2,102,202; Dec. 14.
Eddins, William N., San Antonio, Tex. Rotary fluid clutch. 2,101,899; Dec. 14.
Edison, Thomas A., Incorporated. (See Dann, Charles W., assignor.)
Edison, Thomas A., Incorporated. (See Langley, Sam G., assignor.)
Edwards, Paul A., and M. G. J. Gross, assignors to G. F. Higgins Company, Pittsburgh, Pa. Pipe cutting and welding bench. 2,102,259; Dec. 14.
Egan, George F., Jersey City, N. J. Construction of sewers and sewer basins and receptacles for use in sewer basins. 2,102,310; Dec. 14.
Eggert, John, Leipzig-Gohlis, and H. F. Nissen, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Exposure control. 2,101,932; Dec. 14.
Elchelgrün, Martin, London, England. Lattice tower with lift for people in parks exhibitions and the like. 2,102,522; Dec. 14.
Elb Products, Inc. (See Benedict, Edward L., assignor.)
Elder, Emil M., Cleveland Heights, and W. D. Goodyear, London, assignor to The Joseph M. Stern Company, Cleveland, Ohio. Grave concealing devices. 2,102,260; Dec. 14.
Elder, Flint C., Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Tire wire. 2,102,358; Dec. 14.
Elektrotechnische Fabrik Schmidt & Co., Gesellschaft m. b. H. (See Rathmann, Paul, assignor.)
Elkins, Melvin A., Tucumcari, assignor of one-half to N. W. Sharp, Conchas Dam, N. Mex. Chest supported firearm. 2,102,568; Dec. 14.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Lacquers of the urea resin type. 2,102,114; Dec. 14.
Ellis, Elmer A., Medford, Mass. Treating textile fabric for reinforcing insoles. 2,101,987; Dec. 14.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Ellis-Foster Company. (See Rust, John B., assignor.)
Ellsworth, Denne C. (See Haskins, J. F., and Ellsworth.)
Emergency Window and Exit Devices Corporation. (See Zeeb, W. J., Dammes, and Morris, assignors.)
England, Frank W., assignor to Illinois Tool Works, Chicago, Ill. Lock washer. 2,102,495; Dec. 14.
Ensign-Bickford Co., The. (See Pearsall, David E., assignor.)
Epstein, Harry M., New York, N. Y. Insect bait. 2,101,988; Dec. 14.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Etzel, Charles, Philadelphia, Pa., assignor, by mesne assignments, to Etzo Corporation. Motion pictures and apparatus therefor. 2,101,842; Dec. 14.
Etzo Corporation. (See Etzel, Charles, assignor.)
Evans Case Company. (See Reilly, Alfred F., assignor.)
Factor, Frank, and P. E. Fisher, assignors to Max Factor & Co., Los Angeles, Calif. Dry make-up cosmetic in solid cake form. 2,101,843; Dec. 14.
Factor, Max, & Co. (See Factor, F., and Fisher, assignors.)
Fallou, Jean, Montrouge, France, assignor to Compagnie pour la Fabrication des Compteurs & Materiel d'Usines a Gaz. Automatic regulator. 2,102,145; Dec. 14.
Fassin, Gustave, Irondequoit, and J. R. Miles, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter. 2,101,933; Dec. 14.
Fassin, Gustave, Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Colorimeter. 2,101,934; Dec. 14.
Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Electrical-measuring instrument. 2,102,409; Dec. 14.
Fedders Manufacturing Company. (See Minkel, Frank J., assignor.)
Fedders Manufacturing Company. (See Przyborowski, Stanislaus, assignor.)
Federal Electric Company. (See Barclay, Robert E., assignor.)
Ferbend, Spencer, assignor to Chronmaster Electric Corporation, Chicago, Ill. Mixing apparatus and juice extractor. 2,101,989; Dec. 14.
Ferrara, Samuel J., and W. E. Deen, Peru, Ind. Blood transfusion machine. 2,102,523; Dec. 14.
Field, Ernest E., Brockton, assignor to Charles S. Walkup, Jr., Boston, Mass. Machine for attaching welts to soles. 2,101,990; Dec. 14.
Fleux, Jean, assignor of one-half to Schneider & Cie., Paris, France. Centrifugal clutch. 2,102,524; Dec. 14.
Fifield, Albert F., St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Rail joint shim. 2,101,900; Dec. 14.
Finley, Walter H., and C. H. Hamilton, Nashville, Tenn. Flush tank valve apparatus. 2,101,991; Dec. 14.
Fischer, Erich. (See Fleischhauer, R., and Fischer.)
Fish, Percy C., Kalamazoo, Mich. Manufacturing composite vitreous tile and concrete staves. 2,101,992; Dec. 14.
Fisher Flouring Mills Co. (See Fisher, O. W., and Walter, assignors.)
Fisher, Orin W., and R. E. Walter, assignors to Fisher Flouring Mills Co., Seattle, Wash. Electrically controlled valve mechanism. 2,102,311; Dec. 14.
Fisher, Paul E. (See Factor, F., and Fisher.)
Flaherty, John T. (See Montgomery, J. E., and Flaherty.)
Fleischer, Joseph, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerant mixture and using the same. 2,101,993; Dec. 14.
Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, and E. Fischer, Bad Soden at the Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Monoazodyestuffs. 2,102,115; Dec. 14.

Fletcher, Charles L. (See Conklin, F. R., and Fletcher.)
Fletcher, Joseph H., Southgate, Calif. Glare shield. 2,101,901; Dec. 14.
Food Machinery Corporation. (See Van Wyk, Paul, assignor.)
Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
Fordyce, Charles R., Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparation of cellulose acetate proprionate butyrate. 2,101,994; Dec. 14.
Forestek Plating & Manufacturing Company, The. (See Sherman, Samuel D., assignor.)
Foster, Charles C., Westville, N. J., assignor to The Chesterman-Leeland Company, Philadelphia, Pa. Stocking. 2,102,064; Dec. 14.
Foster, Leon V., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Analyzing ocular. 2,101,935; Dec. 14.
Fotre, Harold C., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill. Chiropodist's stool. 2,102,261; Dec. 14.
Fox, Robert, Chelsea, Mass. Cotton setting machine. 2,102,116; Dec. 14.
Fraser, George H., Brooklyn, N. Y. Speed reducer and other transmission. 2,101,844; Dec. 14.
Fraser, George H., Brooklyn, N. Y. Speed reducer and other transmission. 2,101,845; Dec. 14.
Fraser, George H., Brooklyn, N. Y. Coupling or other transmission device. 2,102,312; Dec. 14.
Fraser, George H., Brooklyn, N. Y. Drive and differential. 2,102,313; Dec. 14.
Fraser, George H., Brooklyn, N. Y. Drive and differential. 2,102,314; Dec. 14.
Freeman, Horace, Three Rivers, Quebec, Canada, assignor to Nichols Engineering & Research Corporation, New York, N. Y. Separation of solid particles from fluids. 2,102,525; Dec. 14.
Frieman, Jacob G., Attica, Ohio. Sanitary garment. 2,102,359; Dec. 14.
Fyler, George W., Schenectady, N. Y., assignor to General Electric Company. Antenna system. 2,102,410; Dec. 14.
Gail, George W., Ruxton, assignor to G. W. Gail, Inc., Baltimore, Md. Sealing strip. 2,102,578; Dec. 14.
Gail, G. W., Inc. (See Gail, George W., assignor.)
Gallasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,101,936; Dec. 14.
Gandell, William R. K. (See Craske, Alfred H., assignor.)
Gandy, Raymond A., Stamford, Conn. Gas detecting apparatus. 2,102,457; Dec. 14.
Gardner, Leland A., Maplewood, N. J., and F. J. Singer, Rockville Centre, N. Y., assignors to American Telephone and Telegraph Company. Telegraph switching system. 2,101,995; Dec. 14.
Garretson, Harry D., Long Island City, N. Y. X-ray apparatus. 2,102,146; Dec. 14.
Gaylord, James A., assignor of one-third to L. Gaylord, Sharon, Tenn. Seed gatherer attachment for mowing machines. 2,102,065; Dec. 14.
General Aniline Works, Inc. (See Fleischhauer R., and Fischer, assignors.)
General Electric Company. (See Bixler, Harley H., assignor.)
General Electric Company. (See Faus, Harold T., assignor.)
General Electric Company. (See Fyler, George W., assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)
General Electric Company. (See Kuehni, Hans P., assignor.)
General Electric Company. (See Larrecq, Anthony J., assignor.)
General Electric Company. (See Lenz, Walter, assignor.)
General Electric Company. (See Shapter, George H., assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Walle, Ludwig S., assignor.)
General Electric Company. (See Wünsche, Otto, assignor.)
General Motors Corporation. (See Chambers, Jewel C., assignor.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Fleischer, Joseph, assignor.)
General Motors Corporation. (See Maccabee, David E., assignor.)
General Motors Corporation. (See Turnquist, Edward, assignor.)
General Motors Corporation. (See Vandoren, Bernard J., assignor.)
General Motors Corporation. (See Williams, Harry M., assignor.)
Gerber, Paul D. (See Bokovoy, S. A., and Gerber.)
Gerhardt, Charles C., Douglas Manor, N. Y. Brush. 2,102,178; Dec. 14.
Geroux, Harvey, Los Angeles, Calif. Twine controlling and cutting device. 2,102,360; Dec. 14.
Gerstenberg, Vivian, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y. Manufacture of table tops and other articles of furniture or equipment. 2,101,996; Dec. 14.
Giberson, Chipman H., Elyria, Ohio. Swivel pipe joint. 2,101,937; Dec. 14.
Giberson, Chipman H., Elyria, Ohio. Lubricated swivel pipe joint. 2,101,938; Dec. 14.
Gibson, Carter, San Angelo, Tex. Amusement device. 2,102,458; Dec. 14.
Gibson, George H. (See Joos, C. E., and Gibson.)
Gladwell, Arthur W. D., London, England. Carburetor. 2,102,361; Dec. 14.
Gladwell, Arthur W. D., London, England. Carburetor. 2,102,362; Dec. 14.
Gleason, George A. (See Brickman, A. E., and Gleason.)
Gleason, William W., assignor to Nachman Spring-Filled Corporation, Chicago, Ill. Edging for spring assemblies for upholstery. 2,102,066; Dec. 14.
Gleason Works. (See Slade, Leon D., assignor.)
Globe American Corporation. (See Harvey, W. D., and Chester, assignors.)
Gluesenkamp, Earl W. (See Hass, H. B., and Gluesenkamp, assignors.)
Goelzer, Henry J. (See Hansen, W. C., and Goelzer.)
Goldberg, James E., New York, N. Y. Lady's handbag. 2,101,997; Dec. 14.
Goldberg, Mark J., Muskegon Heights, assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich. Pump. 2,102,117; Dec. 14.
Goodman Manufacturing Company. (See Sloane, William W., assignor.)
Goodyear, Wayne D. (See Elder, E. M., and Goodyear.)
Goordman, Elmer O., New York, N. Y. Self-gripping mandrel. 2,101,846; Dec. 14.
Graham, Warren C., New York, N. Y. Atomizer. 2,102,147; Dec. 14.
Graham, William S., Canton, Ill., assignor to International Harvester Company. Tractor lister cultivator. 2,102,262; Dec. 14.
Grallat, Robert, assignor to George Schuler & Co., Inc., New York, N. Y. Clip pin flower holder. 2,102,411; Dec. 14.
Grammes, L. F., & Sons, Inc. (See Romig, Morris W., assignor.)
Grassmann, Wolfgang, and H. Rubenbauer, assignors to A. Karreth, Munich, Germany. Preparing an enzyme from mold. 2,102,315; Dec. 14.
Gray, Robert L., Brooklyn, N. Y. Patch uniting method for envelopes. 2,101,847; Dec. 14.
Green, Clarence J. (See Crompton, G., Jr., and Green, assignor.)
Green, Samuel G., Gray, Ga. Stabilizer for guns. 2,101,848; Dec. 14.
Green, Samuel G., Gray, Ga. Muzzle attachment for guns. 2,101,849; Dec. 14.
Green, Samuel G., Gray, Ga. Muzzle attachment for guns. 2,101,850; Dec. 14.
Green, Samuel G., Gray, Ga. Machine gun jacket mounting. 2,101,851; Dec. 14.
Gridley, George O., New Britain, D. H. Montgomery, Hartford, and E. H. Wheeler, assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn. Chucking machine. 2,102,412; Dec. 14.
Griffith, George W., Norwalk, Conn. Cushioned heel. 2,102,067; Dec. 14.
Groeck, Max, assignor to Hydro-Groeck G. m. b. H., Berlin, Germany. Cooking or extracting process. 2,101,939; Dec. 14.
Groenewold, Edwin F., Loyal, Okla. Latch for doors or barns, sheds, etc. 2,102,203; Dec. 14.
Gross, Martin G. J. (See Edwards, P. A., and Gross.)
Grunewald, Hubert, Paris, France. Saliva ejector. 2,102,263; Dec. 14.
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Vibratory contact device. 2,101,902; Dec. 14.
Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Phonograph recording control system. 2,102,316; Dec. 14.
Guilfoyle, Frederick M., Denfield, Ontario, Canada, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 2,102,526; Dec. 14.
Gullett Gin Company. (See Wallace, Jeffrey J., assignor.)
Gunnerson, Arthur R., Denver, Colo. Bull rake. 2,102,068; Dec. 14.
Gutehoffnungshutte Overhausen Aktiengesellschaft. (See Nashan, Paul, assignor.)
Guthrie, James M. (See Keaney, J. C., and Guthrie.)
Guthrie, James M., Pittsburgh, assignor of one-third to J. C. Keaney, Mount Lebanon, Pa. Bottle. 2,102,148; Dec. 14.
Guthrie, James M., assignor of one-half to J. C. Keaney, Mount Lebanon, Pa. Glass masonry. 2,102,149; Dec. 14.
Gwinn, George W., Hewlett, N. Y., assignor to American Machine & Foundry Company. Cigarette weigher for continuous-rod cigarette machines. 2,102,317; Dec. 14.
Haag, Ivan L., Lakewood, and C. A. Vana, Cleveland, Ohio, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of lactic acid. 2,101,998; Dec. 14.
Haas, Joseph F., Forest Park, assignor to Wodack Electric Tool Corporation, Chicago, Ill. Tool retainer for portable power driven tools. 2,102,264; Dec. 14.

Habermaier, Reinhard A., assignor to The De Vilbiss Company, Toledo, Ohio. Material for use in preventing offset in printing. 2,101,999; Dec. 14.

Hadley, Everett M., Riverside, Calif. Air resistance reducer. 2,102,527; Dec. 14.

Halberstadt, Bert, New York, N. Y. Overshoe and the like. 2,102,265; Dec. 14.

Hall, Eric E., assignor to J. H. O'Brien, Chicago, Ill. Expansion joint. 2,102,528; Dec. 14.

Hall, Mora S., Baltimore, Md., assignor to May Oil Burner Corporation. Combustion chamber heating device. 2,101,903; Dec. 14.

Hall, William H., Cicero, Ill. Analemmic tellurian globe. 2,102,413; Dec. 14.

Hamilton, Charles H. (See Finley, W. H., and Hamilton.)

Hammer, Arthur, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Diaphragm. 2,102,150; Dec. 14.

Hammer, Samuel, Brooklyn, assignor to United Metal Box Co., Inc., New York, N. Y. Adjustable fixture support. 2,101,852; Dec. 14.

Handler, Edward J., Irvington, N. J. Apparatus for removing contents of flasks. 2,102,266; Dec. 14.

Hanicke, Paul W., Kansas City, Mo. Cervical splint. 2,102,069; Dec. 14.

Hanley, John A., Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc. Hair clipper. 2,102,529; Dec. 14.

Hannings, Charles J., assignor to Illinois Watch Case Company, Elgin, Ill. Combination vanity and cigarette case. 2,102,414; Dec. 14.

Hansen, Sven S., and T. M. E. Wendt, Rasunda, Sweden. Oscillograph. 2,101,490; Dec. 14.

Hansen, William C., and H. J. Goelzer, Milwaukee, Wis. Storm sash ventilator. 2,101,941; Dec. 14.

Hansgirg, Fritz, Radentheln, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Recovery of compact metallic magnesium from magnesium in finely divided form. 2,101,904; Dec. 14.

Hara, Ryosaburo, and S. Abe, Sendai, assignors to Asahi Garasu Kabushiki Kaisha, Tokyo, Japan. Manufacturing metallic sodium. 2,102,151; Dec. 14.

Hardwick, Christopher L., Cleveland, Tenn. Making burners. 2,102,530; Dec. 14.

Harris, Floyd M., Merchantville, N. J. Remote control system. 2,102,070; Dec. 14.

Hart, Lester C., Cleveland, Ohio, assignor to Hi-Voltage Equipment Company. Fuse protective circuit. 2,102,204; Dec. 14.

Hart, William A., Detroit, Mich., assignor to Colonial Broach Company. Gear broaching machine and method. 2,102,071; Dec. 14.

Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)

Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Composition of matter and method and steps of making and using the same. 2,101,853; Dec. 14.

Harvey, William D., and A. P. Chester, assignors to Globe American Corporation, Kokomo, Ind. Cook stove. 2,102,459; Dec. 14.

Haseltine, Stacy B., Glen Ellyn, assignor to W. H. Miner, Inc., Chicago, Ill. Refrigerator car door. 2,101,942; Dec. 14

Haskins, Joseph F., and D. C. Ellsworth, deceased, by J. F. Haskins, administrator, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose mixed ethers and the preparation thereof. 2,102,205; Dec. 14.

Hass, Henry B., West Lafayette, Ind., and E. W. Gluesenkamp, Dayton, Ohio, assignors to Purdue Research Foundation, West Lafayette, Ind. Producing cyclopropane. 2,102,556; Dec. 14.

Haunz, Charles F., Buffalo, N. Y. Method of and apparatus for coating substances with metals or alloys. 2,101,854; Dec. 14.

Haynes, George F. R., assignor of one-half to A. Sutcliffe, London, England. Receiving delivered commodities and preventing theft thereof. 2,102,000; Dec. 14.

Hays, Joseph W., Tulsa, Okla. Premixing device for fluid fuel burners. 2,102,152; Dec. 14.

Hays, Joseph W., Tulsa, Okla. Ignition apparatus for closed-system fluent-combustible burners. 2,102,153; Dec. 14.

Heatlie, William C., Norwood, Mass. Combined closure and powder ejector. 2,102,118; Dec. 14.

Heddon's, James, Sons. (See Stolley, William A., assignor.)

Heim, Lewis R., Mount Dora, Fla. Making roller bearings. 2,102,460; Dec. 14.

Henderson, Douglas, Toronto, Ontario, Canada. Container. 2,101,855; Dec. 14.

Henkel, Lewis C., Fairfield, Ala. Producing a slag soil conditioner. 2,102,119; Dec. 14.

Hercules Powder Company. (See Lane, Fred H., assignor.)

Hercules Powder Company. (See Peterson, John M., assignor.)

Hercules Powder Company. (See Shapleigh, James H., assignor.)

Herman, Joseph. (See Blackwell, O. B., and Herman.)

Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Detroit, Mich. Propeller shaft bearing. 2,102,415; Dec. 14.

Hevenor, Charles D., Buffalo, N. Y. Automobile bumper. 2,102,120; Dec. 14.

Heyer, Frederic K., assignor to The Yale & Towne Mfg. Co., Stamford, Conn. Combination lock. 2,102,579; Dec. 14.

Heywood, Vincent E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Manufacture of dry-sealing envelopes. 2,102,001; Dec. 14.

Higgins, G. F., Company. (See Edwards, P. A., and Gross, assignors.)

Hill, Ernest C., Medford, Mass. Safety device for wringers. 2,102,154; Dec. 14.

Hill, Frank L., Garden City, N. Y. Overload release device. 2,102,002; Dec. 14.

Hinderliter, Frank J., Tulsa, Okla. Rotary tool joint. 2,102,072; Dec. 14.

Hines, Clarence W., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Welding apparatus. 2,101,856; Dec. 14.

Hi-Voltage Equipment Company. (See Hart, Lester C., assignor.)

Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)

Hodgson, Howard E., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnetic clutch. 2,102,318; Dec. 14.

Hodsdon, Floyd G., assignor to International Harvester Company. Pressure releaser milking system. 2,102,267; Dec. 14.

Hoffman, Jacob, assignor of one-half to W. Dumke, Chicago, Ill. Safety mechanism. 2,102,537; Dec. 14.

Hoke, Harry H., Jr., Washington, D. C. Automatic control for automatic talking machines. 2,102,531; Dec. 14.

Hoke, Harry H., Jr., Washington, D. C. Coin controlled machine. 2,102,532; Dec. 14.

Hollerung, Wilhelm, assignor to Kulmbacher Spinnerei, Kulmbach, Germany. Manufacturing yarns. 2,101,943; Dec. 14.

Holmes, Charles L., assignor of one-half to G. E. Pine, Chino, Calif. Multiple rack for pool balls. 2,102,003; Dec. 14.

Holmes, George E., Elkhart, Ind. Renewable electric fuse. 2,102,206; Dec. 14.

Holston Manufacturing Company. (See Szabo, George C., assignor.)

Hönel, Herbert, Vienna, Austria, assignor to H. Reichhold, Detroit, Mich., doing business as Reichhold Chemicals. Condensation product and producing same. 2,101,944; Dec. 14.

Hopff, Heinrich, Ludwigshafen-on-the-Rhine, and F. Schmidt, Troisdorf, near Cologne, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerization products from styrene and their production. 2,102,179; Dec. 14.

Hopkinson, Ernest, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Pile fabric and making the same. 2,101,905; Dec. 14.

Hopkinson, Ernest, assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Pile fabric and machine for making the same. 2,101,906; Dec. 14.

Hoppenstand, David, Pittsburgh, Pa. Windshield wiper. 2,102,208; Dec. 14.

Hovey, Bry E., Huntington, W. Va. Register. 2,102,533; Dec. 14.

Horland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,102,155; Dec. 14.

Howard, Van Buren A. (See Suttenfield, W. H., York, and Howard.)

Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Thrust bearing. 2,102,534; Dec. 14.

Howell, Bernard E., and W. S. McKnight, Council Bluffs, Iowa. Brake controlling appliance. 2,102,461; Dec. 14.

Howell, Theodore L., assignor to K. Versen, New York, N. Y. Hanger. 2,102,462; Dec. 14.

Huber, Charlotte, New York, N. Y. Combination mop. 2,102,319; Dec. 14.

Hudson, James H. (See Sheppard, S. E., and Hudson.)

Huff, Lyman C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Cracking of hydrocarbon oils. 2,102,269; Dec. 14.

Hufford, George H., Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio. Ball joint for front wheel suspensions. 2,102,463; Dec. 14.

Hunt, James K., and G. H. Latham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated paper and paper-coating compositions. 2,102,207; Dec. 14.

Hurd, Clarence M., Huntington, N. Y. Closure cap lock. 2,102,464; Dec. 14.

Hurt, Victor H., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Making rubber articles. 2,101,907; Dec. 14.

Hutchins, Edward, Glens Falls, N. Y., assignor to International Paper Company. Process of and apparatus for the manufacture of paper and the like. 2,102,004; Dec. 14.

Hydro-Groeck G. m. b. H. (See Groeck, Max, assignor.)

Hyams, Mortimer N., New York, N. Y. Electro-surgical device. 2,102,270; Dec. 14.

I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Nissen, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Hopff, H., and Schmidt, assignors.)

Ideal Electric and Manufacturing Company, The. (See Noel, Clay W., assignor.)

Illinois Tool Works. (See Connell, James J., assignor.)

Illinois Tool Works. (See England, Frank W., assignor.)

Illinois Tool Works. (See Thode, Adolf, assignor.)

Illinois Watch Case Company. (See Hannings, Charles J., assignor.)

Imperial Chemical Industries Limited. (See Wyler, Max, assignor.)

Imperial Chemical Industries Limited. (See Baldwin, A. W., and Bunbury, assignors.)

Imperial Chemical Industries Limited. (See Lodge, F., and Lunsden, assignors.)

Independent Pneumatic Tool Company. (See Skner, Arthur H., assignor.)

Industrial Patents Corporation. (See Mink, Leon D., assignor.)

Ingenium Aktiengesellschaft. (See Reiter, Bruno, assignor.)

International Cigar Machinery Company. (See Wheeler, Henry H., assignor.)

International Harvester Company. (See Graham, William S., assignor.)

International Harvester Company. (See Hodsdon, Floyd G., assignor.)

International Nickel Company, The. (See Gerstenberg, Vivian, assignor.)

International Nickel Company, The. (See Pilling, N. B., and Merica, assignors.)

International Paper Company. (See Hutchins, Edward, assignor.)

Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Manufacture of motor fuels. 2,101,857; Dec. 14.

Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,102,073; Dec. 14.

Ipatieff, Vladimir, and R. E. Schaad, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,102,074; Dec. 14.

Irving, Frank J., Los Angeles, Calif. Automatic throttle. 2,102,271; Dec. 14.

Jackson, Joseph, assignor to Rode & Brand, New York, N. Y. Advertising sign. 2,102,075; Dec. 14.

Jänicke, Hermann, assignor to H. Junkers, Dessau; T. Junkers, née Bennhold, Gauting, Germany, administratrix of said H. Junkers, deceased. Free piston engine. 2,102,121; Dec. 14.

Jephson, Allen C. (See Young, J. L., and Jephson.)

Jessop Steel Company. (See Trembour, Max R., assignor.)

Johansen, Harry C., Michigan City, Ind., assignor to Sullivan Machinery Company. Drilling implement. 2,102,236; Dec. 14.

Johnson, Franklin E., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,102,518; Dec. 14.

Johnson, George A., assignor to W. H. Minor, Inc., Chicago, Ill. Draft and Buffer gear. 2,101,945; Dec. 14.

Johnson, Gustav, West Roxbury, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Nut and installation thereof. 2,102,558; Dec. 14.

Johnson, Gustaf A., New Bedford, Mass. Lamp socket. 2,102,465; Dec. 14.

Johnson, Loren E., and B. C. Bordonaro, Olean, N. Y. Game apparatus. 2,102,535; Dec. 14.

Johnson, Roy E., assignor to Mercen-Johnson Machine Co., Minneapolis, Minn. Conveyer chain with readily detachable feed-lug. 2,102,569; Dec. 14.

Johnson, Roy W., Milwaukee, Wis. Valve control. 2,102,076; Dec. 14.

Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Food handling apparatus. 2,102,180; Dec. 14.

Jonas, Frank D., East Williston, assignor to Oxford Filing Supply Co., Brooklyn, N. Y. Filing cabinet shell. 2,102,272; Dec. 14.

Jones, Grinnell, Cambridge, Mass., and I. B. Rymph, La Grangeville, assignors to S. Sternau & Co., Inc., New York, N. Y. Gel formation. 2,102,005; Dec. 14.

Jones, John E., Benton, Ill. Rock dust barrier. 2,102,006; Dec. 14.

Jonsson, Gustaf E., Huddinge, Sweden. Centrifugal clutch for rotating machine elements. 2,101,946; Dec. 14.

Jones, Carl B. (See Lewis, M. W., and Jones.)

Joos, Charles E., Philadelphia, and G. H. Gibson, Upper Montclair, N. J., assignors to Cochrane Corporation, Philadelphia, Pa. Method of and apparatus for treating water. 2,101,908; Dec. 14.

Junkers, Hugo. (See Jänicke, Hermann, assignor.)

Junkers, Therese, administratrix. (See Jänicke, Hermann, assignor.)

Junggren, Oscar, deceased, by the Schenectady Trust Company, executor, Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,102,416; Dec. 14.

Kadenacy, Michel, Paris, France. Explosion or internal combustion engine. 2,102,559; Dec. 14.

Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 2,102,536; Dec. 14.

Kahn, Julius. (See Schulz, Walter F., assignor.)

Kahn, Louis W., Cincinnati, Ohio. Overhead-rail cleaner. 2,102,537; Dec. 14.

Kahn, Milton, assignor to Novelart Mfg. Co., New York, N. Y. Novelty box. 2,102,077; Dec. 14.

Kalb, Frank, Sr., Baltimore, Md. Window shutter. 2,102,156; Dec. 14.

Kandarian, Leon, Oakland, Calif. Bearing obstruction ejector. 2,102,320; Dec. 14.

Kapella Limited. (See Reason, R. E., and Clifford, assignors.)

Karpen, S., & Bros. (See Beck, E. J., and Schroeder, assignors.)

Karreth, August. (See Grassmann, W., and Rubenbauer, assignors.)

Keaney, Joseph C. (See Guthrie, James M., assignor.)

Keaney, Joseph C., Mount Lebanon, and J. M. Guthrie, Pittsburgh, Pa. Bottle closure. 2,102,157; Dec. 14.

Keaney, Joseph M., Mount Lebanon, and J. M. Guthrie, Pittsburgh, Pa. Bottle closure. 2,102,158; Dec. 14.

Keene, William J., assignor to Chicago Spring Hinge Company, Chicago, Ill. Door closer. 2,102,321; Dec. 14.

Keene, William J., assignor to Chicago Spring Hinge Company, Chicago, Ill. Door closer. 2,102,322; Dec. 14.

Kemp, George W., Dayton, Ohio. Support device. 2,102,078; Dec. 14.

Kennedy, Margaret H. (See Stokes, W. E., and Kennedy.)

Keppler, Albert E., assignor to Brown & Bailey Company, Philadelphia, Pa. Display box. 2,102,079; Dec. 14.

Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Regulator. 2,102,007; Dec. 14.

Kimmich, Elmer G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Belt drive. 2,102,560; Dec. 14.

King, Clarence D. (See Zimmerman, R. E., and King.)

Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)

Kinkaid, Charles R., Nashville, Tenn. Armature unit. 2,102,538; Dec. 14.

Kinley, Myron M., Tulsa, Okla. Well surveying device. 2,102,080; Dec. 14.

Kinnear, John K., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Reel seat for fishing rod handles. 2,102,237; Dec. 14.

Kinney, James A., Lebanon, Pa., assignor to Bethlehem Steel Company. Apparatus for manufacturing bolts and similar articles. 2,102,417; Dec. 14.

Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Coherent porous zirconium silicates. 2,101,947; Dec. 14.

Kirsch, Benjamin, assignor to Auto Radiator Manufacturing Co., Chicago, Ill. Automotive air circulator. 2,102,418; Dec. 14.

Klitsche, Leo H., Los Angeles, assignor to The A. Lietz Company, San Francisco, Calif. Parallel straightedge. 2,102,008; Dec. 14.

Klutke, Fritz, Berlin-Johannisthal, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany. Oscillation generator. 2,102,419; Dec. 14.

Kneibler, Arthur R., assignor to Coopers Incorporated, Kenosha, Wis. Swimming trunks. 2,102,323; Dec. 14.

Knisley, Andrew W., Dayton, Ohio. Static tube sleeve. 2,101,858; Dec. 14.

Knoll, Hans. (See Zoettl, Robert, assignor.)

Kogstrom, Axel W., assignor to Chrysler Corporation, Highland Park, Mich. Vehicle suspension system. 2,102,420; Dec. 14.

Kondolf, Henry, New York, N. Y., assignor to Southern Kraft Corporation. Carton and blank for forming the same. 2,102,009; Dec. 14.

Kopp, George J., Allston, Mass. Protective device for flexible conduits. 2,102,010; Dec. 14.

Korn, Erna, et al., executrices. (See Weisstein, Jacob, assignor.)

Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,102,324; Dec. 14.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Packaging beer in open top metal containers. 2,102,208; Dec. 14.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Cathode ray oscillograph. 2,102,421; Dec. 14.

Kugler, Theodore R., Inglewood, Calif. Bathing suit. 2,102,363; Dec. 14.

Kulmbacher Spinnerei. (See Hollerung, Wilhelm, assignor.)

Kunze, Willy, assignor to Atlas Werke Aktiengesellschaft, Breman, Germany. Mounting submarine signaling apparatus. 2,101,859; Dec. 14.

Kylstra, John, assignor to Boeing Aircraft Company, Seattle, Wash. Airplane control rod and making the same. 2,102,325; Dec. 14.

Kysor, Karl D., Northville, assignor of one-tenth to C. E. Wisner, Detroit, Mich. Thermostatically controlled mixing valve. 2,102,011; Dec. 14.

Lager, Max, New York, N. Y. Support for lamps. 2,102,422; Dec. 14.

Laguzzi, Mario, West Haven, assignor to The Strouse Adler Company, New Haven, Conn. Corset, girdle, and the like. 2,102,273; Dec. 14.

La Hodny, William, Buffalo, N. Y. Support. 2,102,012; Dec. 14.

La Nationale Societe Anonyme. (See Bolle, León, assignor.)

Lane, Fred H., Hillsdale, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Foundry core and dry binder for the preparation thereof. 2,102,122; Dec. 14.

Lane-Wells Company. (See Arnold, James C., assignor.)

Langley, Sam G., Maplewood, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,102,423; Dec. 14.

Langsner, Adolph, assignor to Eugene Dietzgen Company, Chicago, Ill. Spirit level and mounting same. 2,102,364; Dec. 14.

Larimore, Louise D., New York, N. Y. Microscope for pathological research. 2,102,274; Dec. 14.

Larrecq, Anthony J., Schenectady, N. Y., assignor to General Electric Company. Mercury power plant. 2,102,424; Dec. 14.

Lateur, Gaston L., San Francisco, Calif. Self-opening and closing cap for collapsible tubes. 2,101,909; Dec. 14.

Latham, George H. (See Hunt, J. K., and Latham.)

Latz, Harry, Service Inc. (See Latz, H. L., and Plum, assignors.)

Latz, Harry L., New York, N. Y., and S. H. Plum, 2d, Madison, N. J., assignors to Harry Latz Service Inc., New York, N. Y. Printing machine. 2,102,466; Dec. 14.

Lauenstein, Carl F., and P. F. Ulmer, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill. Treating metal. 2,102,539; Dec. 14.

Lauter, Felix, Evanston, assignor to Sealkote Corporation, Chicago, Ill. Synthetic resin. 2,101,948; Dec. 14.

Lavine Gear Company. (See Twyman, H. Wickliffe, assignor.)

Lebedeff, Yurii E. (See Betterton, J. O., and Lebedeff.)

Lechesne, Gabriel, Montreuil-sous-Bois, assignor to Paul Durand, Neuilly-sur-Seine, France. Machine for hobbing the teeth of worm wheels. 2,102,540; Dec. 14.

Lee Rubber & Tire Corporation. (See Benner, W. W., and Leopold, assignors.)

Leeds and Northrup Company. (See Quereau, John F., assignor.)

Leeds, Winthrop M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 2,102,326; Dec. 14.

Lenz, Walter, Berlin-Reinickendorf-West, Germany, assignor to General Electric Company. Föttinger drive. 2,102,425; Dec. 14.

Leonard, Simpson C., Jr., assignor to Michigan Leather Packing Company, Detroit, Mich. Seal. 2,102,013; Dec. 14.

Leopold, Frederick, Jr. (See Benner, W. W., and Leopold.)

Lepsoe, Robert, Trail, British Columbia, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada. Reduction of sulphur dioxide to elemental sulphur by means of carbon. 2,102,081; Dec. 14.

Les Petits Fils de Francois de Wendel & Cie. (See Weber, Guillaume, assignor.)

Leveau, Walter, Newport News, Va., assignor to Horace E. Dodge Boat & Plane Corporation, New York, N. Y. Windshield. 2,102,123; Dec. 14.

Levitt, Percy B. (See Morgan, J. D., and Levitt.)

Levow, David. (See Pasternack, Henry A., assignor.)

Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)

Lewis Machine Company, The. (See Lewis, M. W., and Jones, assignors.)

Lewis, Marvin W., Cleveland Heights, and C. B. Jones, East Cleveland, assignors to The Lewis Machine Company, Cleveland, Ohio. Wire cutting machine. 2,101,860; Dec. 14.

Lietz, A., Company, The. (See Klitsche, Leo H., assignor.)

Lillie Gaylord. (See Gaylord, James A., assignor.)

Lind, Arthur C., assignor to Chain Belt Company, Milwaukee, Wis. Screening apparatus for liquids. 2,102,570; Dec. 14.

Lind, Jay H., Brooklyn, N. Y. Apparel and parts thereof. 2,102,014; Dec. 14.

Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency control. 2,102,426; Dec. 14.

Lindow, Rudolph F. (See Merwin, J. C., and Lindow.)

Link-Belt Company. (See Lauenstein, C. F., and Ulmer, assignors.)

Lithgow, James, Chicago, Ill. Transportation of liquids. 2,102,124; Dec. 14.

Ljungström, Erik, assignor to Aktiebolaget Transitoria, Stockholm, Sweden. Manufacture of keys for preserve cans. 2,102,467; Dec. 14.

Lloyd, Harold B., Sioux City, Iowa. Can opening device. 2,102,365; Dec. 14.

Lloyd, Richard L., Great Neck, N. Y., and H. J. Stehli, Cedar Grove, N. J.; Stella W. Lloyd, executrix of said Richard L. Lloyd, deceased. Treating waste wet organic material. 2,102,427; Dec. 14.

Lloyd, Stella W., executrix. (See Lloyd, R. L., and Stehli.)

Lodge, Frank, and C. H. Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Manufacture of alkoxyanthraquinones. 2,101,910; Dec. 14.

Loeber, Edgar O., Cleveland, assignor to William W. Taylor, East Cleveland, Ohio. Garter. 2,102,561; Dec. 14.

Loughridge, Matthew H., Bogota, N. J. Calculating and recording system. 2,101,861; Dec. 14.

Lowenbraun, Harry, Brooklyn, and M. Schwartz, New York, N. Y. Collar. 2,101,911; Dec. 14.

Lucarelle, Joseph M., and J. E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y. Dictating machine. 2,102,366; Dec. 14.

Lucke, William B., Wilmette, Ill. Bathtub hanger. 2,102,082; Dec. 14.

Luckie, Neil D., Miami, Fla. Addressing stencil. 2,101,949; Dec. 14.

Lumsden, Colin H. (See Lodge, F., and Lumsden.)

Lumsden, David, Sikeston, Mo. Burner and fuel control mechanism. 2,102,367; Dec. 14.

Lundholm, Carl H., Stockholm, Sweden. Parachute pack. 2,102,541; Dec. 14.

Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Combination tire cover and hub guard. 2,102,468; Dec. 14.

Lyon, George A., assignor to Lyon Incorporated, Detroit, Mich. Tire cover. 2,102,469; Dec. 14.

Lyon, George A., Detroit, Mich. Ornamental ring for disk wheels. 2,102,470; Dec. 14.

Lyon, George A., Allenhurst, N. J. Vehicle wheel and cover plate. 2,102,471; Dec. 14.

Lyon Incorporated. (See Lyon, George A., assignor.)

Macauley, John B., Jr., Grosse Pointe, and A. J. Roualet, assignors to Chrysler Corporation, Detroit, Mich. Internal combustion engine fuel system. 2,102,428; Dec. 14.

Maccabee, David E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,102,015; Dec. 14.

Macdonald, Florence E. (See Mahon, Robert F., assignor.)

MacDonald, Isaac M., West Hartford, Conn. Receptacle holder. 2,102,083; Dec. 14.

MacGregor, Stephen H., Savannah, Ga. Gas-operated gun. 2,101,862; Dec. 14.

Magami, Stephen, Nanaimo, British Columbia, Canada. Sheet paper cabinet. 2,101,863; Dec. 14.

Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)

Mahon, Robert F., assignor of one-half to F. E. Macdonald, Lake Geneva, Wis. Match folder. 2,102,580; Dec. 14.

Malm, Carl J., and C. R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Separating an organic acid ester of cellulose from its reaction mixture. 2,102,016; Dec. 14.

Marinsky, Davis. (See Morin, L. H., and Marinsky.)

Markle, George B., Jr., Hazelton, Pa. Device for holding fowls and the like. 2,102,542; Dec. 14.

Martel, Edgar J., Laconia, N. H. Arch-supporting stocking. 2,102,368; Dec. 14.

Martel, Edgar J., Laconia, N. H. Garter stocking. 2,102,369; Dec. 14.

Martin, Philip H. J., Sacramento, Calif. Audible signal for milking machines. 2,102,275; Dec. 14.

Martina, Aldo. (See Chwala, A., Waldmann, and Martina.)

Maschinenfabrik Ausgburg-Nurnberg A. G. (See Becher, Theodor, assignor.)

Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)

Mauser-Werke A. G. (See Ebert, Fritz, assignor.)

May Oil Burner Corporation. (See Hall, Mora S., assignor.)

Mayer, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Multichannel carrier transmission system. 2,102,472; Dec. 14.

McBride, Eugene A., assignor to Thompson Products, Incorporated, Cleveland, Ohio. Making retainer locks. 2,102,473; Dec. 14.

McCallum, William J., Islington, Ontario, Canada. Rock drill. 2,101,864; Dec. 14.

McCallum, William J., Islington, Ontario, Canada. Rock drill. 2,101,865; Dec. 14.

McCormick, George, Redwood City, Calif. Wheel cooling apparatus. 2,102,181; Dec. 14.

McCormick, John H., Williamsport, Pa. Refrigerator car. 2,102,182; Dec. 14.

McDannold, Eullice, Mountain View, Calif. Applicator. 2,102,209; Dec. 14.

McDonald Products Corporation. (See Booth, Roland T., assignor.)

MaGohan, George W., assignor to The American Rolling Mill Company, Middletown, Ohio. Preparing metal for enameling. 2,101,950; Dec. 14.

McGregor, Thomas A. (See Saunders, W. S., and McGregor.)

McInnis, Colin H., Windsor, Ontario, Canada. Trolley yoke. 2,101,951; Dec. 14.

McKenna Glo-Life Corporation. (See McKenna, Vincent and W., and Rouss, assignors.)

McKenna, Vincent and W., and S. Rouss, assignors to McKenna Glo-Life Corporation, New York, N. Y. Animated luminous display device. 2,102,474; Dec. 14.

McKenna, Walter. (See McKenna, Vincent and W., and Rouss.)

McKinley, John M., East Cleveland, and W. K. Carter, Columbus, Ohio, assignors to National Aluminate Corporation, Chicago, Ill. Ceramic patching cement. 2,102,327; Dec. 14.

McKnight, Walter S. (See Howell, B. E., and McKnight.)

McLeod, Arthur M., Madison, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Grease trap. 2,102,429; Dec. 14.

McLeod, Arthur M., Madison, assignor to D. J. Murray Manufacturing Co., Wausau, Wis. Grease trap. 2,102,430; Dec. 14.

McNamara, Jay, New York, N. Y. Copy holder for stenotype strips. 2,102,431; Dec. 14.

McNeish, Arthur W., Detroit, Mich. Automobile heater. 2,102,581; Dec. 14.

McNitt, Willard C., Winnetka, Ill. Slicing machine. 2,102,475; Dec. 14.

McWane, Gerould R., Sandusky, Ohio, assignor to American Sweetwood Holder Co., Ridgewood, N. J. Ferrule for cigarette holders. 2,102,017; Dec. 14.

Medallic Art Company. (See Trees, Clyde C., assignor.)

Mendenhall, Earl, Los Angeles, and J. B. Van Horn, Alhambra, assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif. Control system for submersible motors and the like. 2,102,018; Dec. 14.

Mennesson, Marcel, assignor to "Société Anonyme Solex", Neuilly-sur-Seine, France. Floatless carburetor. 2,102,476; Dec. 14.

Merchant, George A., Chicago, and R. Milan, Pinckneyville, assignors to Binkley Coal Company, Chicago, Ill. Blasting cartridge. 2,102,477; Dec. 14.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mercen-Johnson Machine Co. (See Johnson, Roy E., assignor.)

Merica, Paul D. (See Pilling, N. B., and Merica.)

Merriss, Marion H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Flotation process. 2,102,370; Dec. 14.

Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Softening hides and skins. 2,101,866; Dec. 14.

Merwin, John C., and R. F. Lindow, assignors to Chain Belt Company, Milwaukee, Wis. Valve for controlling plastic concrete mixtures. 2,102,571; Dec. 14.

Metallwerk Alfred Schwarz, G. m. b. H. (See Schwarz, Alfred, assignor.)

Mayer, Christian F., assignor to Textile Machine Works, Wyomissing, Pa. Yarn carrier control mechanism. 2,102,562; Dec. 14.

Meyer, Edwin L., Bridgeport, Conn. Pyroelectric tool. 2,101,912; Dec. 14.

Meyer, Edwin L., Bridgeport, Conn. Pyrographic pencil. 2,101,913; Dec. 14.

Michigan Leather Packing Company. (See Leonard, Simpson C., Jr., assignor.)

Micromatic Hone Corporation. (See Batzer, George J., assignor.)

Micromatic Hone Corporation. (See Quigley, Thomas F., assignor.)

Midnight, Wilbur G. (See Chadwick, L. S., Resek, and Midnight.)

Milan, Roland. (See Merchant, G. A., and Milan.)

Miles, John R. (See Fassin, G., and Miles.)

Miller, Angus M., Pleasant Ridge, Mich. Carburizing box. 2,102,010; Dec. 14.

Miller, Benjamin, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J. Impulse rate meter. 2,102,371; Dec. 14.

Miller, Clemmy O., and A. E. Siehrs, Chicago, Ill. Manufacture of water-soluble, storage-stable acetylsalicylic acid products. 2,101,867; Dec. 14.

Miller, Donald W. (See Russell, E. A., and Miller.)

Miller, Eugene N. (See Burns, W. E., and Miller.)

Miller, Frank P., Meadville, Pa. Cutting tool. 2,102,478; Dec. 14.

Miller, Grant H., Caldwell, N. J. Method of and apparatus for treating beef carcasses. 2,102,084; Dec. 14.

Mills, Bert E., Oak Park, assignor to Mills Novelty Company, Chicago, Ill. Timing device for electrically controlled apparatus. 2,102,372; Dec. 14.

Mills Novelty Company. (See Miller, Bert E., assignor.)

Miner, W. H., Inc. (See Haseltine, Stacy B., assignor.)

Miner, W. H., Inc. (See Johnson, George A., assignor.)

Mink, Leon D., assignor to Industrial Patents Corporation, Chicago, Ill. Whipping apparatus. 2,102,125; Dec. 14.

Minkel, Frank J., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Metal forming tool. 2,102,572; Dec. 14.

Minneapolis-Honeywell Regulator Company. (See Kronmiller, Carl G., assignor.)

Mitchell, Orville, Dallas, Tex. Cotton extracting saw cylinder. 2,102,085; Dec. 14.

Mitchell & Smith, Inc. (See Schmidt, Harry M., assignor.)

Modine Manufacturing Company. (See Boerger, Martin G., assignor.)

Moittié, Lucien D. O., assignor to Société Anonyme des Etablissements Repusseau & Cie., Levallois-Perret, France. Latching system for automobiles or other vehicles. 2,102,373; Dec. 14.

Montgomery, Donald H. (See Gridley, G. O., Montgomery, and Wheeler.)

Montgomery, Donald H., Berlin, assignor to The New Britain Machine Company, New Britain, Conn. Metalworking machine. 2,102,183; Dec. 14.

Montgomery, Julian E., Cleveland, Ohio, and J. T. Flaherty, assignors to United Engineering & Foundry Company, Pittsburgh, Pa. Method and apparatus for rolling metallic strip. 2,102,184; Dec. 14.

Moore, Carl E., Gary, Ind., assignor to American Sheet & Tin Plate Company. Conveyer. 2,102,374; Dec. 14.

Morgan, Smith D., South Orange, N. J., and P. B. Levitt, Bayside, N. Y., assignors to Powers Patents Company, Jersey City, N. J. Apparatus for the analytical testing of internal combustion engines. 2,102,185; Dec. 14.

Morin, Louis H., and D. Marinsky, Bronx, assignors to Whitehall Patents Corporation, New York, N. Y. Making thermoplastic fasteners. 2,102,328; Dec. 14.

Morris, Alfred C. (See Zeeb, W. J., Dammes, and Morris.)

Morris, Howard I., Indianapolis, Ind. Check signer. 2,101,914; Dec. 14.

Morris, John E. (See Raisch, W., Woodman, Buffington, and Morris.)

Morton, Frederick C., Eggertsville, N. Y. Fastening means for bearing sleeves. 2,102,375; Dec. 14.

Moses, James E. (See Dixon, Fate, assignor.)

Mossberg, Frank, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Manufacture of warp beams. 2,102,020; Dec. 14.

Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)

Motor Wheel Corporation. (See Stough, Charles R., assignor.)

Mountjoy, Garrard. (See Seeley, S. W., and Mountjoy.)

Mueller, Herbert B., Los Angeles, Calif. Portable dance floor. 2,102,086; Dec. 14.

Mugdan, Martin, and J. Sixt, Munich, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany. Manufacturing acetic anhydride. 2,101,868; Dec. 14.

Mugdan, Martin, and J. Sixt, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany. Producing acetic anhydride. 2,102,159; Dec. 14.

Munson, Elmer L. (See Davis, C. H., and Munson.)

Murphy, P. H., Company. (See Murphy, Walter P., assignor.)

Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 2,102,276; Dec. 14.

Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa. Carline. 2,102,277; Dec. 14.

Murray, Alexander, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Photographic half-tone screen material and process. 2,102,021; Dec. 14.

Murray, Alexander, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Color corrected photo-mechanical printing plate. 2,102,022; Dec. 14.

Murray, D. J., Manufacturing Co. (See McLeod, Arthur M., assignor.)

Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)

Myer, William, New York, N. Y. Safety razor. 2,102,278; Dec. 14.

Myers Adolph A., Louisville, Ky. Collar supporting and ironing device. 2,102,210; Dec. 14.

Nachman Spring-Filled Corporation. (See Gleason, William W., assignor.)

Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Shutter trigger latch. 2,102,376; Dec. 14.

Nashan, Paul, assignor to the firm Gutehoffnungshutte Oberhausen Aktiengesellschaft, Oberhausen-Rheinland, Germany. Production of formaldehyde from methane. 2,102,160; Dec. 14.

National Aluminate Corporation. (See McKinley, J. M., and Carter, assignors.)

National Postal Meter Company. (See Tyler, Barnwell S., assignor.)

National Silver Deposit Ware Co. (See de Montmorency, Bruce, assignor.)

National Tinsel Mfg. Co. (See Crosser, David H., assignor.)

Nelson, Arthur J., Milwaukee, and J. H. Olsen, Whitefish Bay, assignors to Pulp Reproduction Company, Milwaukee, Wis. Package. 2,102,329; Dec. 14.
Nesseth, Clifford A., Detroit, Mich. Combination truck and conveyer. 2,102,432; Dec. 14.
Nevins-Church Press, The. (See Nevins, Matthew J., Jr., assignor.)
Nevins, Matthew J., Jr., Glen Ridge, N. J., assignor to The Nevins-Church Press, New York, N. Y. Box. 2,102,433; Dec. 14.
New Britain Machine Company, The. (See Brown, Robert S., assignor.)
New Britain Machine Company, The. (See Gridley, G. O., Montgomery, and Wheeler, assignors.)
New Britain Machine Company, The. (See Montgomery, Donald H., assignor.)
Newcomer, Vincent K., Independence, Mo. Conveying apparatus. 2,102,330; Dec. 14.
Newfield, Albert, Hartford, Conn. Tobacco hanger. 2,102,479; Dec. 14.
Newman, David F., Rockville Centre, N. Y., assignor to Trans-Lux Corporation. Projection apparatus. 2,102,161; Dec. 14.
Nicholls, William H., deceased, Roslyn, and G. Anderson, Brooklyn; W. H. Nicholls, Roslyn, administrator of said W. H. Nicholls, assignor to Wm. H. Nicholls Co., Inc., Richmond Hill, N. Y. Jolting and squeeze control for molding machines. 2,102,377; Dec. 14.
Nicholls, William H., deceased, Roslyn; W. H. Nicholls, administrator, assignor to Wm. H. Nicholls Co., Inc., Long Island City, N. Y. Roll-off molding machine. 2,102,378; Dec. 14.
Nicholls, William H., administrator. (See Nicholls, William H.)
Nicholls, William H., administrator. (See Nicholls, W. H., and Anderson.)
Nicholls, Wm. H., Co. (See Nicholls, William H., assignor.)
Nicholls, Wm. H., Co. (See Nicholls, W. H., and Anderson, assignors.)
Nichols Engineering & Research Corporation. (See Freeman, Horace, assignor.)
Nicholson, Frederick A., and W. T. Pritchard, assignors to Stetson-Ross Machine Company, Seattle, Wash. Wood planing machine. 2,102,186; Dec. 14.
Nielsen, Hans P. K. T., Aabyhøj, assignor to De Jydske Skærvefabriker, Aarhus, Denmark. Road covering. 2,102,480; Dec. 14.
Nierenberg, Albert, New York, N. Y. Producing etched surfaced shells and casings. 2,102,162; Dec. 14.
Niles, Harry F., Covina, Calif. Ice pick. 2,102,331; Dec. 14.
Nissen, Hans F. (See Eggert, J., and Nissen.)
Noble, Warren, Michigan City, Ind., assignor to Sullivan Machinery Company. Vibration reducing means. 2,101,869; Dec. 14.
Noel, Clay W., assignor to The Ideal Electric and Manufacturing Company, Mansfield, Ohio. Dynamo motor. 2,102,481; Dec. 14.
Noma Electric Corporation. (See Wolf, Abraham, assignor.)
No-Nail Cases Proprietary Limited. (See van den Bogaert, Alexander G. A., assignor.)
Nordstrom, Sven J., Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa. Plug valve. 2,102,211; Dec. 14.
Norman, George, Birmingham, England, assignor to Auto-Ordnance Corporation, New York, N. Y. Firearm. 2,102,332; Dec. 14.
Norton Company. (See Crompton, G., Jr., and Green, assignor.)
Norton Company. (See Johnson, Franklin E., assignor.)
Norton Company. (See Whitcomb, K. F., and Wagner, assignors.)
Novelart Mfg. Co. (See Kahn, Milton, assignor.)
Nutter, James G., Round Grove Township, McLeod County, Minn. Beet-topping machine. 2,102,379; Dec. 14.
Oakes Products Corporation. (See Sandberg, Ray A., assignor.)
O'Brien, James H. (See Hall, Eric E., assignor.)
Offutt, Harold H. (See Billings, E., and Offutt.)
Oilgear Company, The. (See Douglas, James K., assignor.)
Olin, Robert R., Akron, assignor to The Worthington Ball Company, Elyria, Ohio. Making rubber composition. 2,101,915; Dec. 14.
Oliver, Herbert F. (See Sickles, R. F., and Oliver.)
Oliver United Filters Incorporated. (See Sweetland, Ernest J., assignor.)
Olsen, Anders C., Garden City, N. Y. Building construction. 2,101,952; Dec. 14.
Olsen, John H. (See Nelson, A. J., and Olsen.)
Olson, Harry F., Audubon, N. J., assignor to Radio Corporation of America. Sound reproducing apparatus. 2,102,212; Dec. 14.
Öman, Erik, Stocksund, Sweden. Method and apparatus for producing cold. 2,101,953; Dec. 14.
Open Hearth Combustion Company. (See Danforth, George L., Jr., assignor.)
Osborn, Alden E., New York, N. Y. Pipe joint. 2,102,434; Dec. 14.
Otis Elevator Company. (See Sanford, Selden B., assignor.)
Overbury, Austin A., West Orange, N. J. Surgical lamp. 2,102,023; Dec. 14.
Oxford Filing Supply Co. (See Jonas, Frank D., assignor.)
Palmer, Guillermo D., Buenos Aires, Argentina. Automatic safety seal. 2,102,088; Dec. 14.
Pankonin, William G., Chicago, Ill. Tool for removing staples. 2,102,087; Dec. 14.
Pannike, Walter, Waterloo, Ontario, Canada. Root crop digging device. 2,102,213; Dec. 14.
Paper Novelty Manufacturing Co. (See Cohen, Sol D., assignor.)
Paper Patents Company. (See Biederman, Frank A., assignor.)
Paper Service Company, The. (See Rowe, William W., assignor.)
Parker, Arthur H. (See Sebell, Harry, assignor.)
Parker, Arthur L., Cleveland, Ohio. Preventing seizure of contacting surfaces of soft alloys and like materials. 2,102,214; Dec. 14.
Parker, Claude E., assignor to Skoop-A Corporation, Chicago, Ill. Burner mechanism for gaseous fuel stoves. 2,102,482; Dec. 14.
Parkins, Wright A. (See Beardslew, G. E., Jr., and Parkins.)
Passano, Russell F., assignor to The American Rolling Mill Company, Middletown, Ohio. Iron and steel alloy having corrosion resistance. 2,102,215; Dec. 14.
Pasternack, Henry A., Brooklyn, assignor to David Levow, New York, N. Y. Collapsible hoisting frame. 2,102,163; Dec. 14.
Pasternack, Richard, assignor to Charles Pfizer & Company, Brooklyn, N. Y. Crystallizing pure d-gluconodelta-lactone. 2,102,380; Dec. 14.
Pattison, Joseph N., Jr., Philadelphia, Pa. Machine for enveloping articles. 2,101,870; Dec. 14.
Payson, Arthur H., and C. O. Duevel, Jr., assignors to The American Thermos Bottle Company, Norwich, Conn. Heat insulated receptacle. 2,102,164; Dec. 14.
Pearsall, David E., Pittsburgh, Pa., assignor to The Ensign-Bickford Co., Simsbury, Conn. Safety fuse. 2,102,024; Dec. 14.
Pease, William R., South Portland, Maine. Apparatus for moving and stacking heavy cargo units. 2,101,871; Dec. 14.
Pelouch, James J., assignor to The United States Air Compressor Company, Cleveland, Ohio. Grease gun. 2,102,025; Dec. 14.
Pelton, George F., Middleburg, Va. Supplying ink to ink transfer members. 2,102,216; Dec. 14.
Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
Pardue Research Foundation. (See Hass, H. B., and Gluesenkamp, assignors.)
Perfection Stove Company. (See Chadwick, L. S., Resek, and Midnight, assignors.)
Perkins, Julian L., West Springfield, Mass. Wringer head. 2,101,872; Dec. 14.
Perkins, Julian L., West Springfield, Mass. Wringer head. 2,101,873; Dec. 14.
Perley, James A. (See Brand, Robert A., assignor.)
Perrin, Charles N., Buffalo, N. Y. Applying siccative coatings to bundled shingles. 2,102,089; Dec. 14.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Refrigerant condenser cooler. 2,102,090; Dec. 14.
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Safety switch heater circuit for burner controls. 2,102,091; Dec. 14.
Peterson, John E., Irvington, N. J. Tenter clip. 2,102,026; Dec. 14.
Peterson, John M., Avondale, Pa., assignor to Hercules Powder Company, Wilmington, Del. Producing ammonia and boric acid. 2,102,126; Dec. 14.
Petroleum Rectifying Company of California. (See Woolfin, William, assignor.)
Petty, Earl, Hempstead, N. Y., assignor, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,102,334; Dec. 14.
Pfizer, Charles, & Company. (See Pasternack, Richard, assignor.)
Phail, Herman A., River Rouge, Mich. Warm air circulating and filtering apparatus. 2,101,916; Dec. 14.
Philadelphia Drying Machinery Company, The. (See Belcher, Harold H., assignor.)
Pilling, Norman B., Westfield, N. J., and P. D. Merica, assignors to The International Nickel Company, Inc., New York, N. Y. Copper-nickel-titanium alloys. 2,102,238; Dec. 14.
Pine, Gilbert E. (See Holmes, Charles I., assignor.)
Place, Willard P., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Receiving apparatus for communication systems. 2,102,435; Dec. 14.
Plater, Albert S., Saginaw, Mich. Making valve tappets. 2,101,917; Dec. 14.
Plum, Stephen H., 2d. (See Latz, H. L., and Plum.)
Polhemus, Charles B., San Jose, Calif. Firebox. 2,102,217; Dec. 14.
Poore & Company. (See Warr, Harold G., assignor.)
Pope, George E., Stratford, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Clutch plate. 2,102,279; Dec. 14.

Pope, George E., Stratford, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Cushioned clutch plate. 2,102,280; Dec. 14.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Radio circuits. 2,102,165; Dec. 14.
Potts, Louis M., Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation. Duplex rail shift mechanism for line composing machines. 2,102,127; Dec. 14.
Powell, Fred F., La Valle, Mo. Cultivator. 2,102,483; Dec. 14.
Power, James T., Wilmington, Del., and K. R. Brown, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Acceleration of gelatinization of cellulose nitrate and liquid nitric esters and the product thereof. 2,102,187; Dec. 14.
Power Patents Company. (See Brandt, David G., assignor.)
Power Patents Company. (See Miller, Benjamin, assignor.)
Powers Patents Company. (See Morgan, J. D., and Levitt, assignors.)
Prélaz, Jean. (See Walch, H., and Prélaz.)
Prewitt, Richard H., Lansdowne, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft rotor blade mounting mechanism. 2,102,027; Dec. 14.
Prewitt, Richard H., Lansdowne, Pa. Aircraft with sustaining rotor. 2,102,028; Dec. 14.
Pringle, Mary, Alameda, Calif. Baby support. 2,102,281; Dec. 14.
Pritchard, Wilmot T. (See Nicholson, F. A., and Pritchard.)
Production Engineering Company. (See Sinclair, William, assignor.)
Przyborowski, Stanislaus, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Machine for forming radiator ribbons. 2,102,573; Dec. 14.
Pulp Reproduction Company. (See Nelson, A. J., and Olsen, assignors.)
Putterman, Benjamin, Brooklyn, N. Y., assignor to Yankee Metal Products Corp., Norwalk, Conn. Lamp. 2,102,029; Dec. 14.
Quent, Leonard. (See Städtler, Ludwig R., assignor.)
Quigley, Thomas F., Cleveland, Ohio, assignor, by mesne assignments, to Micromatic Home Corporation, Detroit, Mich. Abrading tool. 2,102,092; Dec. 14.
Quigley, Thomas F., Cleveland, Ohio, assignor to Micromatic Home Corporation. Honing and lapping machine. 2,102,093; Dec. 14.
Quereau, John F., Barren Hill, assignor to Leeds and Northrup Company, Philadelphia, Pa. Electrical measuring system. 2,102,030; Dec. 14.
Quinn, Edward, Brooklyn, assignor to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoe and making same. 2,102,333; Dec. 14.
Radio Condenser Company. (See Cramer, Stanley S., assignor.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Beers, George L., assignor.)
Radio Corporation of America. (See Bokovoy, S. A., and Gerber, assignors.)
Radio Corporation of America. (See Burlingame, Leslie G., assignor.)
Radio Corporation of America. (See Campbell, Richard L., assignor.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Radio Corporation of America. (See Olson, Harry F., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Seeley, S. W., and Mountjoy, assignors.)
Radio Corporation of America. (See Vance, Arthur W., assignor.)
Radio Corporation of America. (See Yolles, Jon Joseph, assignor.)
Raisch, William, New York, J. C. Woodman, Flushing, J. R. Buffington, New York, and J. E. Morris, Flushing, N. Y., assignors to Decarie Incinerator Corporation. Incineration of sewage screenings and the like. 2,102,543; Dec. 14.
Raisch, William, assignor to Underpinning & Foundation Co., Inc., New York, N. Y. Furnace. 2,102,544; Dec. 14.
Rakauskas, James T., Chicago, Ill. Spectacle case. 2,102,218; Dec. 14.
Rapp, Arnold C., Covington, Va. Emergency fire escape. 2,102,484; Dec. 14.
Rathmann, Paul, assignor to Elektrotechnische Fabrik Schmidt & Co. Gesellschaft b. b. H., Podmokly, Czechoslovakia. Bicycle lighting generator. 2,101,954; Dec. 14.
Raybestos-Manhattan, Inc. (See Pope, George E., assignor.)
Rayburn, Alden G., Sausalito, Calif. Indicator. 2,101,955; Dec. 14.
Raymond, Sidney A., Green Bay, Wis. Water softening compound. 2,102,219; Dec. 14.
Reason, Richard E., and T. W. Clifford, assignors to Kapella Limited, Leicester, England. Photographic roll-film camera. 2,102,574; Dec. 14.
Reichhold Chemicals. (See Hönel, Herbert.)
Reichhold, Helmuth. (See Hönel, Herbert, assignor.)
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Lighter construction. 2,102,381; Dec. 14.
Reiter, Bruno, London, England, assignor to Ingenium Aktiengesellschaft, Chur, Switzerland. Method and apparatus for the production of fastener elements. 2,102,031; Dec. 14.
Remington Typewriter Company. (See Guilfoyle, Frederick M., assignor.)
Remy, Benjamin P. (See Remy, Frank I. and B. P.)
Remy, Frank I., Syracuse, and B. P. Remy, deceased, Indianapolis, Ind., M. W. Remy, executrix. Closure for containers. 2,102,436; Dec. 14.
Remy, Margaret W., executrix. (See Remy, Frank I. and B. P.)
Renault, Louis. (See Saives, Leon, assignor.)
Renholdt, John E. (See Lucarelle, J. M., and Renholdt.)
Replogle, Harry H., Scarsdale, and S. N. Dalton, Huntington Terrace, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Wrapped article. 2,102,128; Dec. 14.
Republic Rubber Company, The. (See Brill, A. K., and Wake, assignors.)
Resek, Marc. (See Chadwick, L. S., Resek, and Midnight.)
Rexair Corporation. (See Brock, Clarence A., assignor.)
Richards, James S., Cincinnati, Ohio. Toy. 2,102,335; Dec. 14.
Richardson, Baynard E., and R. W. Willey, Grand Rapids, Mich. Knock-down drawer. 2,102,437; Dec. 14.
Richardson, Charles H., Dover, N. H. Device for use in playing solitaire contract bridge. 2,102,220; Dec. 14.
Richardson, William R., Roswell, N. Mex. Soldering iron. 2,102,032; Dec. 14.
Rider, Ernest G., assignor to Stokes and Smith Company, Philadelphia, Pa. Method of and apparatus for transporting and registering sheets. 2,102,033; Dec. 14.
Riebel, Frederick, Jr., and D. M. Dow, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,102,221; Dec. 14.
Riegels, Olaf L. A., Cleveland, Ohio. Fuel injection means for motors. 2,102,485; Dec. 14.
Riley, Lynn G. (See Taliaferro, W. R., Whittaker, and Riley.)
Riley, William I., Trussville, Ala. Brake actuating mechanism. 2,102,222; Dec. 14.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Velocity measuring device. 2,102,166; Dec. 14.
Rode & Brand. (See Jackson, Joseph, assignor.)
Roe, Mayo E., assignor to The Colson Corporation, Elyria, Ohio. Invalid chair. 2,102,336; Dec. 14.
Röhm & Haas Company. (See Spence, Le Roy U., assignor.)
Roller, Louis H., Plainfield, N. J. Valve. 2,102,034; Dec. 14.
Romano, Adeline, administratrix. (See Romano, Michaël.)
Romano, Michaël, Providence, R. I.; A. Romano, administratrix of said Michaël Romano. Windshield wiper. 2,102,188; Dec. 14.
Romig, Morris W., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Box. 2,102,094; Dec. 14.
Chicago, Ill. Self closing bag. 2,102,035; Dec. 14.
Rosch, Samuel J., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Electric cable. 2,102,129; Dec. 14.
Rose, Charles, assignor to Central Bag & Burlap Co., Chicago, Ill. Self closure bag. 2,102,035; Dec. 14.
Rose, George H., Cleveland, Ohio. Apparatus for handling coils. 2,102,337; Dec. 14.
Roselund, Harold A., assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 2,102,382; Dec. 14.
Roseman, Leo, Newark, N. J. Multiple fastener. 2,102,223; Dec. 14.
Ross, Ernest, Los Angeles, assignor to United Research Corporation, Burbank, Calif. Mounting for light sensitive devices. 2,101,918; Dec. 14.
Rotter, Max, Milwaukee, Wis., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Gear drive. 2,102,167; Dec. 14.
Roualet, Andre J. (See Macauley, J. B., Jr., and Roualet.)
Rouss, Sydney. (See McKenna, Vincent and W., and Rouss.)
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,102,545; Dec. 14.
Rowe, William W., Cincinnati, assignor to The Paper Service Company, Lockland, Ohio. Composite fabric. 2,101,874; Dec. 14.
Roy, Cecile M., Meudon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Automatic apparatus for determining the hardness of water. 2,102,282; Dec. 14.
Rubenbauer, Hans. (See Grassmann, W., and Rubenbauer.)

Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
Rundblad, George J. (See St. Louis, C. V., and Rundblad.)
Ruppel, Ernst, Gotha, Germany. Electric lamp. 2,102,224; Dec. 14.
Russell, Edward A., Chicago, and D .W. Miller, Elmhurst, assignors to Vapor Car Heating Company, Inc., Chicago, Ill. Temperature control system for railway cars. 2,102,225; Dec. 14.
Rust, John B., Orange, N. J., assignor to Ellis-Foster Company. Oil-soluble phenolic resin and making same. 2,102,130; Dec. 14.
Rymph, Irving B. (See Jones, G., and Rymph.)
Sachsenröder, Gustav, Wuppertal Barmen, Allee, Germany. Artificial sausage casing and making same. 2,101,958; Dec. 14.
Sailstad, Edward J., Minneapolis, assignor to Van Duyne-Moran Fixtures, Co., St. Paul, Minn. Sectional refrigerant compressor. 2,101,956; Dec. 14.
St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)
St. Louis, Charles V., and G. J. Rundblad, assignors to Wilson-Jones Company, Chicago, Ill. Back gauge for punches. 2,102,292; Dec. 14.
Salves, Leon, assignor to L. Renault, Billancourt, France. Clutch control device. 2,102,036; Dec. 14.
Saklatwalla, Byramji D., Crafton, Pa. Alloy steel. 2,102,283; Dec. 14.
Salzman, Joseph R., and C. J. Snyder, Detroit, Mich. Airplane. 2,102,095; Dec. 14.
Samson-United Corporation. (See Walder, Emil, assignor.)
Sandberg, Ray A., Waukegan, assignor to Oakes Products Corporation, North Chicago, Ill. Automobile lock structure. 2,102,438; Dec. 14.
Sanders Small Arms, Limited. (See Sanders, Thomas F., assignor.)
Sanders, Thomas F., Slough Trading Estate, assignor to Sanders Small Arms, Limited, London, England. Recoil loading firearm. 2,101,957; Dec. 14.
Sandin, Jerome M., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,102,284; Dec. 14.
Sanford, Selden B., Yonkers, assignor to Otis Elevator Company, New York, N. Y. Connecting device. 2,102,383; Dec. 14.
Saunders, Walter S., and T. A. McGregor, assignors to American Forging & Socket Company, Pontiac, Mich. Seat support. 2,102,226; Dec. 14.
Schaad, Raymond E. (See Ipatieff, V., and Schaad.)
Scantlebury, Francis H., Brooklyn, N. Y. Illuminated mensuring device. 2,102,384; Dec. 14.
Schär, Fritz, Zurich, Switzerland. Device for dispensing measured quantities of liquid. 2,102,239; Dec. 14.
Schatz, Charles, assignor of one-half to J. P. Spitzel, Los Angeles, Calif. Finger-ring welding appliance. 2,102,546; Dec. 14.
Scheer, Richard H., New Holland, assignor to Vanity Fair Silk Mills, Reading, Pa. Hosiery with strain absorbing zone reinforced against curling. 2,102,486; Dec. 14.
Schenectady Trust Company, The, executor. (See Jungren, Oscar.)
Schichtel, Georg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of refined magnesium and magnesium alloys. 2,101,919; Dec. 14.
Schildmeier, Henry C., Indianapolis, Ind. Wheel repairing mechanism. 2,102,439; Dec. 14.
Schleicher, Lawrence, Los Angeles, Calif. Pessary applicator. 2,101,875; Dec. 14.
Schmid, Alfred W., Springfield, Ohio. Fastening device. 2,102,096; Dec. 14.
Schmid, Franz, Lucerne, Switzerland. Change speed mechanism. 2,102,131; Dec. 14.
Schmidt, Fritz. (See Hopff, H., and Schmidt.)
Schmidt, Harry M., Chicago, Ill., assignor to Mitchell & Smith, Inc., Detroit, Mich. Producing crown caps. 2,102,285; Dec. 14.
Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Machinery for marking hosiery or other articles. 2,102,132; Dec. 14.
Schmitt, William H., St. Paul, Minn. Hair curler. 2,102,286; Dec. 14.
Schneider & Cie. (See Fleux, Jean, assignor.)
Schock, Gusmer & Co. Inc. (See Schock, Robert C., assignor.)
Schock, Robert C., New Rochelle, N. Y., assignor to Schock, Gusmer & Co. Inc., Hoboken, N. J. Brewing device. 2,102,385; Dec. 14.
Schoenberger, Otto H., Long Beach, Calif. Fire tool. 2,102,133; Dec. 14.
Scholl Mfg. Co., The. (See Fotre, Harold C., assignor.)
Schroeder, Henry L., Chicago, Ill. Multi-ply wood baker's peel. 2,101,920; Dec. 14.
Schroeder, William B. (See Beck, E. J., and Schroeder.)
Schuftan, Paul, Munich, Germany. Freezing process for the separation of the constituents of liquids. 2,102,134; Dec. 14.
Schuler, George, & Co. (See Grailliat, Robert, assignor.)
Schulz, Walter F., assignor of one-half to J. Kahn, Youngstown, Ohio. Metal drawing apparatus. 2,101,959; Dec. 14.
Schwartz, Adolph, Brooklyn, N. Y. Removable-decorative-window shade attachment. 2,102,240; Dec. 14.
Schwartz, Morris. (See Lowenbraun, H., and Schwartz.)
Schwartz, Nathan, New York, N. Y. Filter type respirator. 2,102,037; Dec. 14.
Schwartz, R. Plato, Rochester, N. Y. Method of and apparatus for displaying shoe lasts and the like. 2,102,038; Dec. 14.
Schwarz, Alfred, Eisenach, Marienhohe, Germany; S. Schwarz, neé Kuhlhoff, sole heir of said A. Schwarz, deceased, assignor to Metallwerk Alfred Schwarz, G. m. b. H. Defrosting screen. 2,102,487; Dec. 14.
Schwarz, Sophie, neé Kuhlhoff. (See Schwarz, Alfred.)
Schwarze Electric Company. (See Durant, John D., assignor.)
Schweizer, Alfred, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Governor means for liquid injection internal combustion engines. 2,102,338; Dec. 14.
Scott, Clyde, Newark, N. J. Composite film and method of making. 2,101,876; Dec. 14.
Scott, Harry A., North Plainfield, and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Pattern registration means for multiple cylinder printing machines. 2,102,386; Dec. 14.
Scoville Manufacturing Company. (See Summey, David L., assignor.)
Sealkote Corporation. (See Lauter, Felix, assignor.)
Sebell, Harry, Boston, assignor of one-half to Arthur H. Parker, Lexington, Mass. Container. 2,102,440; Dec. 14.
Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator of vulcanization. 2,102,547; Dec. 14.
Seeley, Stuart W., and G. Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving set. 2,102,168; Dec. 14.
Seitzer, John, Clarkia, Idaho. Chain coupling. 2,102,135; Dec. 14.
Service Devices, Incorporated. (See Van Deventer, H. R., and Shively, assignors.)
Shafer, Samuel, Jr., assignor to Chain Belt Company, Milwaukee, Wis. Scummer for settling tanks and the like. 2,102,575; Dec. 14.
Shanton, Ira A., St. Petersburg, Fla. Trap for animals. 2,102,563; Dec. 14.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Process and apparatus for manufacturing ammonium nitrate. 2,102,136; Dec. 14.
Shapter, George H., Erie, Pa., assignor to General Electric Company. Electric power system. 2,102,387; Dec. 14.
Sharp, Nesby W. (See Elkins, Melvin A., assignor.)
Shaver, George D., Crown Point, Ind. Mineral wool insulation. 2,101,921; Dec. 14.
Shell Development Company. (See von Fuchs, George H., assignor.)
Sheppard, Samuel E., and J. H. Hudson, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparing photographic gelatin. 2,101,877; Dec. 14.
Sherman, Samuel D., Cleveland, Ohio, assignor to The Forestek Plating & Manufacturing Company. Cooking apparatus. 2,102,097; Dec. 14.
Shively, John J. (See Van Deventer, H. R., and Shively.)
Sickles, F. W., Company. (See Sickles, R. F., and Oliver, assignors.)
Sickles, Royal F., Springfield, and H. F. Oliver, West Springfield, assignors to F. W. Sickles Company, Springfield, Mass. Adjusting means. 2,102,098; Dec. 14.
Siehrs, Arthur E. (See Miller, C. O., and Siehrs.)
Siemens & Halske Aktiengesellschaft. (See Mayer, Hans, assignor.)
Simmonds Development Corporation Limited. (See Simmonds, Oliver E., assignor.)
Simmonds, Oliver E., assignor to Simmonds Development Corporation Limited, London, England. Self-locking nut and making the same. 2,102,489; Dec. 14.
Simpkins, Robert B., Edgbaston, Birmingham, England. Investigating, correcting, and developing the power of human vision. 2,102,490; Dec. 14.
Simplicity Engineering Company. (See Behnke, George W., assignor.)
Sinclair, William, assignor to Production Engineering Company, Detroit, Mich. Conveyer feed milling machine. 2,102,227; Dec. 14.
Singer, Fred J. (See Gardner, L. A., and Singer.)
Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Glarus, Switzerland. Enlarging the diameter of hollow metal articles. 2,102,099; Dec. 14.
Sinskey, Simon, assignor to Winer Manufacturing Company, Hammond, Ind. Garment. 2,102,039; Dec. 14.
Sirera, Abel G., New York, N. Y. Advertising strap hanger. 2,102,488; Dec. 14.
Sixt, Johann. (See Mugdan, M., and Sixt.)
Sjöström, Erik A. A., Gothenburg, Sweden. Centrifugal pump. 2,101,960; Dec. 14.
Skaer, Arthur H., Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rock drill sludge ejector. 2,102,576; Dec. 14.
Skarphol, George, Souris, N. Dak. Portable weed burning eradicator. 2,102,100; Dec. 14.
Skoop-A Corporation. (See Parker, Claude E., assignor.)

Slade, Leon D., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for hardening gears. 2,102,040; Dec. 14.
Slidell, Kemper, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Treatment of water. 2,101,961; Dec. 14.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism. 2,102,441; Dec. 14.
Smethers, James A., Andrews, Tex. Wire line twister. 2,102,287; Dec. 14.
Smith, Cyril S., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Copper-sulphur alloy. 2,102,388; Dec. 14.
Smith, John C., assignor to Solar Laboratories, Beaver, Pa. Stencil. 2,102,228; Dec. 14.
Smith, Roland L., Belmont, Mass. Signaling means for vehicles. 2,102,288; Dec. 14.
Smith, Schley E., Rock Island, Ill. Window construction. 2,102,491; Dec. 14.
Smolensky, Michael, Cleveland, Ohio. Direct flow check valve. 2,102,289; Dec. 14.
Snodgrass, Benjamin W., Denver, Colo. Mechanical hammer. 2,101,878; Dec. 14.
Snyder, Carl J. (See Salzman, J. R., and Snyder.)
Société Anonyme des Etablissements Repusseau & Cie. (See Moittie, Lucien D. O., assignors.)
"Société Anonyme Solex." (See Menesseon, Marcel, assignor.)
Societe des Usines Chimiques Rhone-Poulenc. (See Roy, Cecile M., assignor.)
Solar Laboratories. (See Smith, John C., assignor.)
Soss, Joseph, Roselle, N. J. Covered joint hinge. 2,102,290; Dec. 14.
Soss, Joseph, Roselle, N. J. Concealed hinge. 2,102,291; Dec. 14.
Southern Kraft Corporation. (See Kondolf, Henry, assignor.)
Special Products Company. (See Coster, Henri J., assignor.)
Spelts, George A., Los Angeles, assignor of seven percent to W. F. Arndt, and thirty percent to L. J. Styskal, county of Los Angeles, Calif. Cylinder cooling system. 2,102,041; Dec. 14.
Spence, Le Roy U., Cheltenham, assignor to Röhm & Haas Company, Philadelphia, Pa. Manufacture chlorohydrines. 2,102,042; Dec. 14.
Sperry, Arthur B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,102,137; Dec. 14.
Spitzel, Jean P. (See Schatz, Charles, assignor.)
Städtler, Ludwig R., New York, assignor of one-half to Leonard Quent, Brooklyn, N. Y. Cashier's protector. 2,102,169; Dec. 14.
Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Valve mechanism. 2,102,389; Dec. 14.
Standard Brands Incorporated. (See Stokes, W. E., and Kennedy, assignors.)
Standard Oil Company (Ohio), The. (See Ambrosius, George M., assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,102,390; Dec. 14.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,102,391; Dec. 14.
Stehli, Henry J. (See Lloyd, R. L., and Stehli.)
Stemen, William R. (See Urbain, O. M., and Stemen.)
Stern, Isaac, New York, N. Y. Paper machinery. 2,102,170; Dec. 14.
Stern, Joseph M., Company, The. (See Elder, E. M., and Goodyear, assignors.)
Sternau, S., & Co. (See Jones, G., and Rymph, assignors.)
Stetson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)
Stimson, Percy G., Dayton, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio, Counter. 2,102,043; Dec. 14.
Stoesslig, Ludwig, Monrovia, Calif. Spraying apparatus. 2,101,922; Dec. 14.
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Stokes, William E., Brooklyn, and M. H. Kennedy, assignors, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Making fruit extract concentrates and flavors. 2,101,962; Dec. 14.
Stolley, William A., assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure. 2,102,492; Dec. 14.
Stough, Charles R., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,101,923; Dec. 14.
Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Apparatus for treating hydrocarbon oils. 2,102,548; Dec. 14.
Stratford Development Corporation. (See Stratford, Charles W., assignor.)
Straubel, Frederick L. G., Green Bay, Wis. Panel and card carrier combination. 2,101,963; Dec. 14.
Striehy, Maurice E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,102,138; Dec. 14.
Ströher, Georg, Rothenkirchen, Germany. Hair waving appliance. 2,102,241; Dec. 14.
Strouse Adler Company, The. (See Laguzzi, Mario, assignor.)
Strouse, George C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Para-hydroxy-para'-ethoxy diphenylamine. 2,101,879; Dec. 14.
Stupell, Leo K., New York, N. Y. Ornament and frame therefor. 2,102,242; Dec. 14.
Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
Summey, David L., deceased; The Colonial Trust Company and R. P. W. Summey, executors of said D. L. Summey, assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric induction furnace and operating the same. 2,102,582; Dec. 14.
Summey, Richard P. Weeks, et al., executor. (See Summey, David L.)
Sun Oil Company. (See Petty, Earl, assignor.)
Superior Yarn Mills, Incorporated. (See Suttenfield, W. H., York, and Howard, assignors.)
Suttenfield, William H., Statesville, O. L. York, and V. B. A. Howard, Longisland, assignors to Superior Yarn Mills, Incorporated, Statesville, N. C. Cotton conveyer. 2,102,442; Dec. 14.
Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)
Sweetland, Ernest J., Piedmont, assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,102,293; Dec. 14.
Styskal, L. J., et al. (See Spelts, George A., assignor.)
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Sutcliffe, Arthur. (See Haynes, George F. R., assignor.)
Sylvania Industrial Corporation. (See Replogle, H. H., and Dalton, assignors.)
Symington-Gould Corporation, The. (See Townsend, Donald L., assignor.)
Sypher, Milford G., Belleville, assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen and the like. 2,102,044; Dec. 14.
Szabo, George C., assignor to Holston Manufacturing Company, Knoxville, Tenn. Knitting machine. 2,102,549; Dec. 14.
Takamiya, Etsuo, Moji, Japan. Preparing fat and oil splitting enzyme from plant seeds. 2,102,101; Dec. 14.
Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,101,880; Dec. 14.
Taliaferro, William R., C. C. Whittaker, and L. G. Riley, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,102,294; Dec. 14.
Tanning Process Company, The. (See Merritt, Matthew M., assignor.)
Taylor, William W. (See Loeber, Edgar O., assignor.)
Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,102,392; Dec. 14.
Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,102,393; Dec. 14.
Tebo, William A., Anthony, R. I. Method and apparatus for restoring fur in a shuttle to active position. 2,101,964; Dec. 14.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hammer, Arthur, assignor.)
Teletypesetter Corporation. (See Potts, Louis M., assignor.)
Terry, Matson C., New Rochelle, N. Y., and T. A. Buckley, Springfield, Mass., assignors to Westinghouse Electric and Manufacturing Company. Refrigeration apparatus. 2,101,881; Dec. 14.
Textile Machine Works. (See Meyer, Christian F., assignor.)
Thode, Adolf, Hamburg-Billbrook, Germany, assignor to Illinois Tool Works, Chicago, Ill. Production of fan-shaped screw locks. 2,102,493; Dec. 14.
Thomas, Albert G., Lynchburg, Va. Electron discharge tube. 2,102,045; Dec. 14.
Thompson Products Incorporated. (See Hufferd, George H., assignor.)
Thompson Products, Incorporated. (See McBride, Eugene A., assignor.)
Thompson, William F., and R. Whitten, assignors of thirty-three and one-third per cent to A. W. Tiska and M. Tiska, Alton, Ill. Water cooler for use in refrigerators. 2,102,496; Dec. 14.
Thomson, Alfred J., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,102,295; Dec. 14.
Thorn, Lawrence T., Memphis, Tenn. Building construction. 2,102,443; Dec. 14.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to Albert H. Tinnerman, Cleveland, Ohio. Fastening device. 2,102,229; Dec. 14.
Tiska, A. W., et al. (See Thompson, W. F., and Whitten, assignors.)
Tiska, Mary, et al. (See Thompson, W. F., and Whitten, assignors.)

Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.)
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Sebrell, Lorin B., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Accelerator of vulcanization. 2,102,547; Dec. 14.
Seeley, Stuart W., and G. Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Radio receiving set. 2,102,168; Dec. 14.
Seltzer, John, Clarkia, Idaho. Chain coupling. 2,102,135; Dec. 14.
Service Devices, Incorporated. (See Van Deventer, H. R., and Shively, assignors.)
Shafer, Samuel, Jr., assignor to Chain Belt Company, Milwaukee, Wis. Scummer for settling tanks and the like. 2,102,575; Dec. 14.
Shanton, Ira A., St. Petersburg, Fla. Trap for animals. 2,102,563; Dec. 14.
Shapleigh, James H., assignor to Hercules Powder Company, Wilmington, Del. Process and apparatus for manufacturing ammonium nitrate. 2,102,136; Dec. 14.
Shapter, George H., Erie, Pa., assignor to General Electric Company. Electric power system. 2,102,387; Dec. 14.
Sharp, Nesby W. (See Elkins, Melvin A., assignor.)
Shaver, George D., Crown Point, Ind. Mineral wool insulation. 2,101,921; Dec. 14.
Shell Development Company. (See von Fuchs, George H., assignor.)
Sheppard, Samuel E., and J. H. Hudson, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Preparing photographic gelatin. 2,101,877; Dec. 14.
Sherman, Samuel D., Cleveland, Ohio, assignor to The Forestek Plating & Manufacturing Company. Cooking apparatus. 2,102,097; Dec. 14.
Shively, John J. (See Van Deventer, H. R., and Shively.)
Sickles, F. W., Company. (See Sickles, R. F., and Oliver, assignors.)
Sickles, Royal F., Springfield, and H. F. Oliver, West Springfield, assignors to F. W. Sickles Company, Springfield, Mass. Adjusting means. 2,102,098; Dec. 14.
Siehrs, Arthur E. (See Miller, C. O., and Siehrs.)
Siemens & Halske Aktiengesellschaft. (See Mayer, Hans, assignor.)
Simmonds Development Corporation Limited. (See Simmonds, Oliver E., assignor.)
Simmonds, Oliver E., assignor to Simmonds Development Corporation Limited, London, England. Self-locking nut and making the same. 2,102,489; Dec. 14.
Simpkins, Robert B., Edgbaston, Birmingham, England. Investigating, correcting, and developing the power of human vision. 2,102,490; Dec. 14.
Simplicity Engineering Company. (See Behnke, George W., assignor.)
Sinclair, William, assignor to Production Engineering Company, Detroit, Mich. Conveyer feed milling machine. 2,102,227; Dec. 14.
Singer, Fred J. (See Gardner, L. A., and Singer.)
Singer, Fritz, Nuremberg, Germany, assignor to Tubus A. G., Glarus, Switzerland. Enlarging the diameter of hollow metal articles. 2,102,099; Dec. 14.
Sinskey, Simon, assignor to Winer Manufacturing Company, Hammond, Ind. Garment. 2,102,039; Dec. 14.
Sirera, Abel G., New York, N. Y. Advertising strap hanger. 2,102,488; Dec. 14.
Sixt, Johann. (See Mugdan, M., and Sixt.)
Sjöström, Erik A. A., Gothenburg, Sweden. Centrifugal pump. 2,101,960; Dec. 14.
Skaer, Arthur H., Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill. Rock drill sludge ejector. 2,102,576; Dec. 14.
Skarphol, George, Souris, N. Dak. Portable weed burning eradicator. 2,102,100; Dec. 14.
Skoop-A Corporation. (See Parker, Claude E., assignor.)

Slade, Leon D., assignor to Gleason Works, Rochester, N. Y. Method of and apparatus for hardening gears. 2,102,040; Dec. 14.
Slidell, Kemper, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill. Treatment of water. 2,101,961; Dec. 14.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Drive mechanism. 2,102,441; Dec. 14.
Smethers, James A., Andrews, Tex. Wire line twister. 2,102,287; Dec. 14.
Smith, Cyril S., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Copper-sulphur alloy. 2,102,388; Dec. 14.
Smith, John C., assignor to Solar Laboratories, Beaver, Pa. Stencil. 2,102,228; Dec. 14.
Smith, Roland L., Belmont, Mass. Signaling means for vehicles. 2,102,288; Dec. 14.
Smith, Schley E., Rock Island, Ill. Window construction. 2,102,491; Dec. 14.
Smolensky, Michael, Cleveland, Ohio. Direct flow check valve. 2,102,289; Dec. 14.
Snodgrass, Benjamin W., Denver, Colo. Mechanical hammer. 2,101,878; Dec. 14.
Snyder, Carl J. (See Salzman, J. R., and Snyder.)
Société Anonyme des Etablissements Repusseau & Cie. (See Moittie, Lucien D. O., assignors.)
"Société Anonyme Solex." (See Menesseon, Marcel, assignor.)
Societe des Usines Chimiques Rhone-Poulenc. (See Roy, Cecile M., assignor.)
Solar Laboratories. (See Smith, John C., assignor.)
Soss, Joseph, Roselle, N. J. Covered joint hinge. 2,102,290; Dec. 14.
Soss, Joseph, Roselle, N. J. Concealed hinge. 2,102,291; Dec. 14.
Southern Kraft Corporation. (See Kondolf, Henry, assignor.)
Special Products Company. (See Coster, Henri J., assignor.)
Spelts, George A., Los Angeles, assignor of seven percent to W. F. Arndt, and thirty percent to L. J. Styskal, county of Los Angeles, Calif. Cylinder cooling system. 2,102,041; Dec. 14.
Spence, Le Roy U., Cheltenham, assignor to Röhm & Haas Company, Philadelphia, Pa. Manufacture chlorohydrines. 2,102,042; Dec. 14.
Sperry, Arthur B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,102,137; Dec. 14.
Spitzel, Jean P. (See Schatz, Charles, assignor.)
Städtler, Ludwig R., New York, assignor of one-half to Leonard Quent, Brooklyn, N. Y. Cashier's protector. 2,102,169; Dec. 14.
Staley, Allen C., Birmingham, assignor to Chrysler Corporation, Highland Park, Mich. Valve mechanism. 2,102,389; Dec. 14.
Standard Brands Incorporated. (See Stokes, W. E., and Kennedy, assignors.)
Standard Oil Company (Ohio), The. (See Ambrosius, George M., assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,102,390; Dec. 14.
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,102,391; Dec. 14.
Stehli, Henry J. (See Lloyd, R. L., and Stehli.)
Stemen, William R. (See Urbain, O. M., and Stemen.)
Stern, Isaac, New York, N. Y. Paper machinery. 2,102,170; Dec. 14.
Stern, Joseph M., Company, The. (See Elder, E. M., and Goodyear, assignors.)
Sternau, S., & Co. (See Jones, G., and Rymph, assignors.)
Stetson-Ross Machine Company. (See Nicholson, F. A., and Pritchard, assignors.)
Stimson, Percy G., Dayton, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio. Counter. 2,102,043; Dec. 14.
Stoessling, Ludwig, Monrovia, Calif. Spraying apparatus. 2,101,922; Dec. 14.
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Stokes, William E., Brooklyn, and M. H. Kennedy, assignors, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Making fruit extract concentrates and flavors. 2,101,962; Dec. 14.
Stolley, William A., assignor to James Heddon's Sons, Dowagiac, Mich. Fish lure. 2,102,492; Dec. 14.
Stough, Charles R., assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,101,923; Dec. 14.
Stratford, Charles W., assignor to Stratford Development Corporation, Kansas City, Mo. Apparatus for treating hydrocarbon oils. 2,102,548; Dec. 14.
Stratford Development Corporation. (See Stratford, Charles W., assignor.)
Straubel, Frederick L. G., Green Bay, Wis. Panel and card carrier combination. 2,101,963; Dec. 14.
Strieby, Maurice E., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission system. 2,102,138; Dec. 14.
Ströher, Georg, Rothenkirchen, Germany. Hair waving appliance. 2,102,241; Dec. 14.
Strouse Adler Company, The. (See Laguzzi, Mario, assignor.)
Strouse, George C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Para-hydroxy-para'-ethoxy diphenylamine. 2,101,879; Dec. 14.
Stupell, Leo K., New York, N. Y. Ornament and frame therefor. 2,102,242; Dec. 14.
Sullivan Machinery Company. (See Johansen, Harry C., assignor.)
Summey, David L., deceased; The Colonial Trust Company and R. P. W. Summey, executors of said D. L. Summey, assignor to Scovill Manufacturing Company, Waterbury, Conn. Electric induction furnace and operating the same. 2,102,582; Dec. 14.
Summey, Richard P. Weeks, et al., executor. (See Summey, David L.)
Sun Oil Company. (See Petty, Earl, assignor.)
Superior Yarn Mills, Incorporated. (See Suttenfield, W. H., York, and Howard, assignors.)
Suttenfield, William H., Statesville, O. L. York, and V. B. A. Howard, Longisland, assignors to Superior Yarn Mills, Incorporated, Statesville, N. C. Cotton conveyer. 2,102,442; Dec. 14.
Svenska Aktiebolaget Gasaccumulator. (See Dalén, Gustaf, assignor.)
Sweetland, Ernest J., Piedmont, assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,102,293; Dec. 14.
Styskal, L. J., et al. (See Spelts, George A., assignor.)
Sullivan Machinery Company. (See Noble, Warren, assignor.)
Sutcliffe, Arthur. (See Haynes, George F. R., assignor.)
Sylvania Industrial Corporation. (See Replogle, H. H., and Dalton, assignors.)
Symington-Gould Corporation, The. (See Townsend, Donald L., assignor.)
Sypher, Milford G., Belleville, assignor to The Chilton Pen Company, Inc., Long Island City, N. Y. Fountain pen and the like. 2,102,044; Dec. 14.
Szabo, George C., assignor to Holston Manufacturing Company, Knoxville, Tenn. Knitting machine. 2,102,549; Dec. 14.
Takamiya, Etsuo, Moji, Japan. Preparing fat and oil splitting enzyme from plant seeds. 2,102,101; Dec. 14.
Taliaferro, William R., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,101,880; Dec. 14.
Taliaferro, William R., C. C. Whittaker, and L. G. Riley, Pittsburgh, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,102,294; Dec. 14.
Tanning Process Company, The. (See Merritt, Matthew M., assignor.)
Taylor, William W. (See Loeber, Edgar O., assignor.)
Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,102,392; Dec. 14.
Tea, Clark A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Weather strip. 2,102,393; Dec. 14.
Tebo, William A., Anthony, R. I. Method and apparatus for restoring fur in a shuttle to active position. 2,101,964; Dec. 14.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hammer, Arthur, assignor.)
Teletypesetter Corporation. (See Potts, Louis M., assignor.)
Terry, Matson C., New Rochelle, N. Y., and T. A. Buckley, Springfield, Mass., assignors to Westinghouse Electric and Manufacturing Company. Refrigeration apparatus. 2,101,881; Dec. 14.
Textile Machine Works. (See Meyer, Christian F., assignor.)
Thode, Adolf, Hamburg-Billbrook, Germany, assignor to Illinois Tool Works, Chicago, Ill. Production of fan-shaped screw locks. 2,102,493; Dec. 14.
Thomas, Albert G., Lynchburg, Va. Electron discharge tube. 2,102,045; Dec. 14.
Thompson Products Incorporated. (See Hufferd, George H., assignor.)
Thompson Products, Incorporated. (See McBride, Eugene A., assignor.)
Thompson, William F., and R. Whitten, assignors of thirty-three and one-third per cent to A. W. Tiska and M. Tiska, Alton, Ill. Water cooler for use in refrigerators. 2,102,496; Dec. 14.
Thomson, Alfred J., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,102,295; Dec. 14.
Thorn, Lawrence T., Memphis, Tenn. Building construction. 2,102,443; Dec. 14.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to Albert H. Tinnerman, Cleveland, Ohio. Fastening device. 2,102,229; Dec. 14.
Tiska, A. W., et al. (See Thompson, W. F., and Whitten, assignors.)
Tiska, Mary, et al. (See Thompson, W. F., and Whitten, assignors.)

Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tower Company, The. (See Anderson, Roger, assignor.)
Townsend, Donald L., Rochester, N. Y., assignor to The Symington-Gould Corporation. Railway truck. 2,102,102; Dec. 14.
Trans-Lux Corporation. (See Newman, David F., assignor.)
Trees, Clyde C., White Plains, assignor to Medallic Art Company, New York, N. Y. Metal panel. 2,101,965; Dec. 14.
Treesh, Morrison C., assignor of one-half to C. Carr, East St. Louis, Ill. Revolving sign. 2,102,550; Dec. 14.
Trembour, Max R., Beaver, assignor to Jessop Steel Company, Washington, Pa. Making composite ferrous metal articles. 2,102,394; Dec. 14.
Tregman, William, Chicago, Ill. Box. 2,102,497; Dec. 14.
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Trumbull Electric Manufacturing Company. (See Rowe, Raymond N., assignor.)
Tubus, A. G. (See Singer, Fritz, assignor.)
Turnquist, Edward, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Riveting machine. 2,101,924; Dec. 14.
Twyman, B. Wickliffe, assignor to Layne Gear Company, Milwaukee, Wis. Steering gear. 2,102,296; Dec. 14.
Tyler, Barnwell S., assignor to National Postal Meter Company, Los Angeles, Calif. Locking system for registering machines. 2,102,046; Dec. 14.
Uline, Migiel J., Washington, D. C. Machine for squaring the ends of cakes of ice. 2,102,498; Dec. 14.
Ulmer, Paul F. (See Lauenstein, C. F., and Ulmer.)
Underpinning & Foundation Co. (See Raisch, William, assignor.)
Ungar, Gustave A., Pelham Manor, N. Y. System and apparatus for pumping hazardous liquids. 2,102,140; Dec. 14.
Union Carbide and Carbon Corporation. (See Wissler, William A., assignor.)
Union Switch & Signal Company, The. (See Place, Willard P., assignor.)
Union Switch & Signal Company, The. (See Vanhorn, James J., assignor.)
United Aircraft Corporation. (See Beardsley, G. E., Jr., and Parkins, assignors.)
United Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United Carr Fastener Corporation. (See Johnson, Gustav, assignor.)
United Engineering & Foundry Company. (See Montgomery, J. E., and Flaherty, assignors.)
United Metal Box Co. (See Hammer, Samuel, assignor.)
United Research Corporation. (See Ross, Ernest, assignor.)
United States Air Compressor Company, The. (See Pelouch, James J., assignor.)
United States Envelope Company. (See Heywood, Vincent E., assignor.)
United States Rubber Company. (See Hopkinson, Ernest, assignor.)
United States Rubber Products, Inc. (See Hurt, Victor H., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Ipatieff, V., and Schaad, assignors.)
Upton, Albertus, Waveland, Ind. Stovepipe collar and anchor. 2,102,339; Dec. 14.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Recovering acids. 2,102,103; Dec. 14.
Valentine, Thomas G., and E. J. Brennan, San Diego, Calif. Metal spraying apparatus. 2,102,395; Dec. 14.
Vana, Charles A. (See Haag, I. L., and Vana.)
Van Allen, George C., Maplewood, N. J., assignor to Baker & Company, Inc. Investment composition. 2,102,444; Dec. 14.
Vance, Arthur W., Camden, N. J., assignor to Radio Corporation of America. Television system. 2,102,139; Dec. 14.
Van den Bogaert, Alexander G. A., Surbiton, assignor to No-Nail Cases Proprietary Limited, London, England. Manufacture of boxes. 2,101,966; Dec. 14.
Van Deventer, Harry R., and J. J. Shively, assignors, by mesne assignments, to Service Devices, Incorporated, New York, N. Y. Animated sign. 2,102,243; Dec. 14.
Vandoren, Bernard J., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,102,171; Dec. 14.
Van Duyne-Moran Fixtures, Co. (See Sallstad, Edward J., assignor.)
Vanhorn, James J., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,102,445; Dec. 14.
Van Horn, Junius B. (See Mendenhall, E., and Van Horn.)
Vanity Fair Silk Mills. (See Scheer, Richard H., assignor.)
Van Nader, Bert D., Berkeley, Calif. Cast cutter. 2,102,047; Dec. 14.
Van Wyk, Paul, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif. Removing spray residue and other accumulations from fruit and the like. 2,102,340; Dec. 14.
Vapor Car & Heating Company. (See Russell, E. A., and Miller, assignors.)
Versen, Kurt. (See Howell, Theodore L., assignor.)
Vessey, Elton W., Pasadena, Calif. Wagon. 2,101,882; Dec. 14.
Von Fuchs, George H., Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif. Reactivation of spent clay. 2,102,341; Dec. 14.
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Battery charging system. 2,102,141; Dec. 14.
Wagner, Herbert W. (See Whitcomb, K. F., and Wagner.)
Wahlin, Fritz. (See Bramsen, S., and Wahlin.)
Wainwright, James A. (See Allan, J., and Wainwright.)
Wake, Walter A. (See Brill, A. K., and Wake.)
Walch, Henri, and J. Prélaz, Paris, France, assignors, by mesne assignments, to De Laval Separator Company, New York, N. Y. Process and apparatus for separation of the components of a mixture of more than two components. 2,102,297; Dec. 14.
Walder, Emil, assignor to Samson-United Corporation, Rochester, N. Y. Electrical cooking and heating apparatus. 2,102,342; Dec. 14.
Waldmann, Edmund. (See Chwala, A., Waldmann, and Martina.)
Waldron, John, Corporation. (See Scott, H. A., and Case, assignors.)
Walkup, Charles S., Jr., trustee. (See Field, Ernest E., assignor.)
Wallace, Henry, New York, N. Y. Ribbon reel. 2,102,446; Dec. 14.
Wallace, Henry A., as Secretary of Agriculture. (See Dorset, Marion.)
Wallace, Jeffrey J., assignor to Gullett Gin Company, Amite, La. Cotton handling apparatus. 2,102,499; Dec. 14.
Walle, Ludwig S., Lansdowne, Pa., assignor to General Electric Company. Circuit breaker. 2,102,396; Dec. 14.
Walsh, Thomas M., East Orange, N. J. Method and apparatus for steeping coffee, tea, and the like. 2,102,244; Dec. 14.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Collapsible container. 2,102,048; Dec. 14.
Walter, Ralph E. (See Fisher, O. W., and Walter.)
Walterspiel, Alfred, Munich, Germany. Roasting, toasting, grilling, and cooking apparatus. 2,101,967; Dec. 14.
Walthers, William A., Dalton, Wis. Antiskid device for shoes or the like. 2,102,500; Dec. 14.
Wappner, Ralph C., Springfield, Ohio. Thermometer. 2,102,172; Dec. 14.
Warner, Leroy E., Bond Hill, Ohio, assignor to The Philip Carey Manufacturing Company. Paving joint filler. 2,101,883; Dec. 14.
Warr, Harold G., Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company. Rail anchor. 2,101,884; Dec. 14.
Warren, Thomas W., assignor to H. A. Budden, Montreal, Quebec, Canada. Illuminating apparatus and making same. 2,102,049; Dec. 14.
Waterman, George H., Wyomissing, Pa. Expansion bolt. 2,102,230; Dec. 14.
Webb, Arthur B., assignor to Cream City Boiler Company, Milwaukee, Wis. Valve. 2,101,925; Dec. 14.
Weber, Guillaume, Hayange, Moselle, assignor to Les Petits Fils de Francois de Wendel & Cie, Paris, France. Explosive charge and apparatus for the manufacture of the same. 2,102,245; Dec. 14.
Weis, John P., Nyack, assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Making seamed articles and apparatus therefor. 2,102,397; Dec. 14.
Weiss, Abraham, New York, N. Y. Time controlled electric switch for electric bulbs. 2,102,246; Dec. 14.
Wendel, Leo F., Ellinwood, Kans. Brake release. 2,102,501; Dec. 14.
Wendt, Terrence M. E. (See Hansen, S. S., and Wendt.)
Westinghouse Electric & Manufacturing Company. (See Arnold, Edwin E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Leeds, Winthrop M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Jerome M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tallaferro, W. R., Whittaker, and Riley, assignors.)
Westinghouse Electric and Manufacturing Company. (See Terry, M. C., and Buckley, assignors.)
Westinghouse Electric & Manufacturing Company. (See Tallaferro, William R., assignor.)
Wetstein, Jacob, deceased, by F. W. Winters and E. Korn, executrices, New York, N. Y. Preparing a liquid. 2,102,398; Dec. 14.
Wettig, Theodore A., Cincinnati, Ohio. Rail chuck for machine tools. 2,101,926; Dec. 14.
Wheeler, Earl H. (See Gridley, G. O., Montgomery, and Wheeler.)
Wheeler, Henry H., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar bunch shaper mechanism. 2,102,298; Dec. 14.

Whelan, John J., Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y. Sheet material building construction. 2,102,247; Dec. 14.
Whitacre, Donald D., Waynesburg, Ohio. Building construction. 2,102,447; Dec. 14.
Whitbread, James B., Detroit, Mich. Nipple. 2,102,050; Dec. 14.
Whitcomb, Kenneth F., and H. W. Wagner, assignors to Norton Company, Worcester, Mass. Grinding wheel. 2,102,343; Dec. 14.
Whitehall Patents Corporation. (See Morin, L. H., and Marinsky, assignors.)
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Straw product and treatment thereof. 2,102,885; Dec. 14.
Whitehead, William, Cumberland, Md., assignor to Celanese Corporation of America. Spinning solution. 2,101,886; Dec. 14.
Whitman, Henry L., Los Angeles, Calif. Preparing aluminum alloys. 2,102,448; Dec. 14.
Whitmore, William B., Oak Park, assignor to Ditto, Incorporated, Chicago, Ill. Treating hectograph bands. 2,102,399; Dec. 14.
Whittaker, Charles C. (See Tallaferro, W. R., Whittaker, and Riley.)
Whitten, Russell. (See Thompson, W. F., and Whitten.)
Wickersham, Harry P., Huntington Park, assignor of one-half to E. Burns, Los Angeles, Calif. Jar. 2,101,968; Dec. 14.
Wiggins, John H., Tulsa, Okla. Gasholder. 2,102,299; Dec. 14.
Willcox & Gibbs Sewing Machine Co. (See Weis, John P., assignor.)
Willey, Richard W. (See Rochardson, R. E., and Willey.)
Williams, Harry M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Silicate insulating material. 2,101,969; Dec. 14.
Williams, Roy H., Taunton, Mass. Chair. 2,102,173; Dec. 14.
Wilson-Jones Company. (See St. Louis, C. V., and Runblad, assignors.)
Winer Manufacturing Company. (See Sinskey, Simon, assignor.)
Wingfoot Corporation. (See Campbell, John F., assignor.)
Wingfoot Corporation. (See Kimmich, Elmer G., assignor.)
Wingfoot Corporation. (See Sebrell, Lorin B., assignor.)
Wingfoot Corporation. (See Woodward, Alva W., assignor.)
Winters, Florence, et al., executrices. (See Wetstein, Jacob.)
Wired Radio, Inc. (See Duncan, Robert D., Jr., assignor.)
Wishart, William W., Chicago, Ill. Compressor. 2,102,344; Dec. 14.
Wishart, William W., Chicago, Ill. Compressor. 2,102,345; Dec. 14.
Wishart, William W., Chicago, Ill. Compressor. 2,102,346; Dec. 14.
Wisner, Charles E. (See Kysor, Karl D., assignor.)
Wissler, William A., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Valve seat. 2,101,970; Dec. 14.
Wodack Electric Tool Corporation. (See Haas, Joseph F., assignor.)
Woelfin, William, Long Beach, assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Separating emulsions of the oil-in-water type. 2,102,051; Dec. 14.
Wolf, Abraham, Brooklyn, assignor to Noma Electric Corporation, New York, N. Y. Electrical illuminating device. 2,101,971; Dec. 14.
Woods, S. A., Machine Company. (See Blood, Laurence E., assignor.)
Woodman, Joseph C. (See Raisch, W., Woodman, Buffington, and Morris.)
Woodward, Alva W., Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Safety ring for pneumatic tires. 2,102,551; Dec. 14.
Worthington Ball Company, The. (See Olin, Robert R., assignor.)
Wright, Carl. (See Cowdery, R. H., and Wright.)
Wünsche, Otto, Berlin-Friedenau, Germany, assignor to General Electric Company. Controller apparatus. 2,102,400; Dec. 14.
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Nitrating sucrose. 2,101,927; Dec. 14.
Wyler, Max, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Manufacture of isatin derivatives. 2,102,104; Dec. 14.
Yale & Towne Mfg. Co., The. (See Heyer, Frederic K., assignor.)
Yankee Metal Products Corp. (See Putterman, Benjamin, assignor.)
Yeakel, Walter C., Battle Creek, assignor, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Conveyer. 2,102,248; Dec. 14.
Yearley, George W., Geneva, assignor to The American Fork & Hoe Company, Cleveland, Ohio. Fish bait and making the same. 2,102,052; Dec. 14.
Yolles, Jacob. (See Yolles, Jon J.)
Yolles, Jack. (See Yolles, Jon J.)
Yolles, Jon J., Paris, France, also known as Jack Yolles or Jacob Yolles, assignor to Radio Corporation of America. Superheterodyne receiver. 2,102,401; Dec. 14.
York Narrow Fabrics Co. (See Burns, W. E., and Miller, assignors.)
York, Olin L. (See Suttenfield, W. H., York, and Howard.)
Young, John L., Pittsburgh, and A. C. Jephson, Johnstown, Pa. Anode. 2,102,249; Dec. 14.
Zahm, Edward, assignor to Zahm & Nagel Co., Inc., Buffalo, N. Y. Determining the gas content of solutions. 2,102,105; Dec. 14.
Zahm & Nagel Co. (See Zahm, Edward, assignor.)
Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Motor vehicle. 2,102,402; Dec. 14.
Zeeb, William J., New York, J. T. Dammes, Brooklyn, and A. C. Morris, assignors to Emergency Window and Exit Devices Corporation, New York, N. Y. Releasable window. 2,102,250; Dec. 14.
Zimmerman, Leo, New York, N. Y. Combination table. 2,102,449; Dec. 14.
Zimmerman, Rufus E., Short Hills, N. J., and C. D. King, Brooklyn, N. Y. Making rimmed steel. 2,102,502; Dec. 14.
Zocchi, Leon, Milford, Mass. Book supporter. 2,101,972; Dec. 14.
Zoettl, Robert, assignor of one-half to H. Knoll, Salzburg, Austria. Floor or ceiling structure. 2,102,231; Dec. 14.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Magnetic analysis. 2,102,450; Dec. 14.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation. Magnetic analysis. 2,102,451; Dec. 14.
Zuschlag, Theodor, West Englewood, N. J., assignor to Magnetic Analysis Corporation. Detection of flaws in magnetizable bodies. 2,102,452; Dec. 14.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ashtrays. A. A. Vuccino. 20,592; Dec. 14.
Blank conveying apparatus. W. W. Davidson. 20,581; Dec. 14.
Bucket, Elevator. L. C. Ponting and A. G. Kliwer. 20,586; Dec. 14.
Car and the like, Sidewise dumping mine. A. H. Stow. 20,591; Dec. 14.
Car, Mine and other. A. H. Stow. 20,590; Dec. 14.
Drive mechanism for shaker conveyers. W. W. Sloane. 20,589; Dec. 14.
Faucet connection. S. L. Weiss. 20,593; Dec. 14.
Food products and resulting product, Treating. S. H. Ayers and C. W. Lang. 20,578; Dec. 14.
Hydrocarbon vapors, Recovering. P. M. Raigorodsky. 20,587; Dec. 14.
Photography, Composite. C. B. Dreyer and H. F. Boeger. 20,582; Dec. 14.
Piston ring expander. H. Teetor. 20,588; Dec. 14.
Screw. F. K. Brown. 20,580; Dec. 14.
Socket and casing, Electric. F. C. Kollath. 20,585; Dec. 14.
Syrup, honey, and the like, Treating invert. R. S. Anthony. 20,594; Dec. 14.
Tapping device, Hand operated, electric controlled. B. S. T. Bishop and P. E. Dow. 20,579; Dec. 14.
Tubing, Flexible. S. Guarnaschelli. 20,583; Dec. 14.
Valve, Thermostatic. P. J. Jorgensen. 20,584; Dec. 14.

LIST OF DESIGN INVENTIONS

Air conditioning apparatus. F. C. McClellan. 107,436; Dec. 14.
Air conditioning apparatus. F. C. McClellan. 107,439; Dec. 14.
Air filtering device. F. C. McClellan. 107,437; Dec. 14.
Antenna, Automobile radio. J. L. Gilmore. 107,420; Dec. 14.
Ashtray and cigarette extinguishing device, Combined. J. T. McCreary. 107,440; Dec. 14.
Atomizer. F. W. Lohse. 107,431–2; Dec. 14.
Bedspread. C. M. Jones. 107,486; Dec. 14.
Bottle. A. I. Lorenzen. 107,433; Dec. 14.
Bottle, Toilet. R. Honnorat. 107,426; Dec. 14.
Brassière. E. B. H. Fisher. 107,417; Dec. 14.
Brush. L. Marder. 107,435; Dec. 14.
Cabinet, Radio. C. J. Manning. 107,434; Dec. 14.
Carriage, Orthopedic. A. J. Daniels. 107,407; Dec. 14.
Case, Clock. I. Bruce. 107,405–6; Dec. 14.
Case, Clock. J. M. Bars. 107,401; Dec. 14.
Casing, Clock. M. Schlenker. 107,458; Dec. 14.
Chime, Musical. E. G. Evans. 107,411; Dec. 14.
Compact or the like. A. Bates. 107,402; Dec. 14.
Container for perfumes, Compartment. R. B. Karoff. 107,428; Dec. 14.
Conveyer, Food. H. J. O'Brien. 107,444; Dec. 14.
Cup or similar article, Soup. K. Bayreuther. 107,403; Dec. 14.
Dress. J. Abbate. 107,475; Dec. 14.
Dress. M. R. Berger. 107,477; Dec. 14.
Dress. V. M. Berrick. 107,478; Dec. 14.
Dress. S. Chapman. 107,479; Dec. 14.
Dress. M. Efantes. 107,480–1; Dec. 14.
Dress. L. Fenaroli. 107,482; Dec. 14.
Dress. S. Kronenfeld. 107,487; Dec. 14.
Dress. H. Kushner. 107,488; Dec. 14.
Dress. D. Rosenthal. 107,490; Dec. 14.
Dress. P. Schlessel. 107,491; Dec. 14.
Dress. R. Schultze. 107,492; Dec. 14.
Dress. A. Waxberg. 107,494; Dec. 14.
Dress. I. Welch. 107,471; Dec. 14.
Dress. O. Zaretzky. 107,495; Dec. 14.
Dial and display stand, Combined color. M. Gorelick. 107,423; Dec. 14.
Dish. J. E. Spence. 107,460; Dec. 14.
Engine, Miniature airplane. I. G. Ohlsson. 107,448; Dec. 14.
Fabric, Textile. J. M. Balsam. 107,476; Dec. 14.
Fabric, Textile. J. E. Malsch. 107,489; Dec. 14.
Fabric, Woven. J. H. Hoffman. 107,485; Dec. 14.
Fish lure. S. F. Davenport. 107,408; Dec. 14.
Flusher, Gear case. J. W. Tucker. 107,465; Dec. 14.
Fountain, Drinking. H. R. Trout. 107,464; Dec. 14.
Frame for a bag or similar article. H. Rubin. 107,457; Dec. 14.
Guard, Bicycle chain. J. R. Morgan. 107,442; Dec. 14.
Handbag. H. Felmann. 107,415–6; Dec. 14.
Handkerchief. D. E. Schwab. 107,493; Dec. 14.
Handle, Insulated switch. T. J. Newman. 107,441; Dec. 14.
Handle or the like for doors and drawers. H. H. Raymond. 107,455; Dec. 14.
Lace for a jacket or similar article. L. E. Hart and H. E. Lewy. 107,484; Dec. 14.
Lantern, Electric. J. S. Pixley. 107,449; Dec. 14.
Model of an architectural unit. W. K. Harrison and J. A. Foulhoux. 107,425; Dec. 14.
Mold or the like, Waffle. E. S. Preston. 107,454; Dec. 14.
Pen and check protector or similar article, Combined fountain. C. J. MacNally. 107,438; Dec. 14.
Plaque. W. K. Harrison and J. A. Foulhoux. 107,424; Dec. 14.
Piano. W. Zaiser. 107,473–4; Dec. 14.
Platter, or the like. L. Farber. 107,412; Dec. 14.
Range, Combined coal and gas. W. D. Teague, Jr. 107,461; Dec. 14.
Receptacle, Tobacco ash. T. M. Dick and M. J. Fletcher. 107,409; Dec. 14.
Shirt and shorts, Combination. E. D. Haight. 107,483; Dec. 14.
Shoe. M. Kalmon. 107,427; Dec. 14.
Shoe. H. Odenerants. 107,445–7; Dec. 14.
Shoe. A. Turiansky. 107,466–9; Dec. 14.
Shoe or similar article. B. Feldman. 107,413–4; Dec. 14.
Shoe or similar article. S. A. Wood. 107,472; Dec. 14.
Shoe sole. A. S. Bannister. 107,400; Dec. 14.
Showcase. M. Rifkin. 107,456; Dec. 14.
Sinker, Fishing. J. E. Ganaway. 107,418; Dec. 14.
Spoon or similar article. F. W. Koonz. 107,429; Dec. 14.
Stand, Display. J. M. Brooks. 107,404; Dec. 14.
Stand, Jewelry display. R. J. Warner. 107,470; Dec. 14.
Station, Service. W. D. Teague. 107,462–3; Dec. 14.
Stove. E. S. Preston. 107,453; Dec. 14.
Tank, Bicycle. J. R. Morgan. 107,443; Dec. 14.
Teapot. E. San Giovanni. 107,422; Dec. 14.
Toaster. E. S. Preston. 107,452; Dec. 14.
Toaster, Bread. E. S. Preston. 107,450; Dec. 14.
Toaster or the like, Sandwich. E. S. Preston. 107,451; Dec. 14.
Tongs, Food. A. A. Ellopoulos. 107,410; Dec. 14.
Tool, Transplanting. G. W. Gasser. 107,419; Dec. 14.
Tray or similar article, Serving. E. San Giovanni. 107,421; Dec. 14.
Wheel and horn control device, Combined automobile steering. R. D. Snoke. 107,459; Dec. 14.
X-ray apparatus. W. M. Lee. 107,430; Dec. 14.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading tool. T. F. Quigley. 2,102,092; Dec. 14.
Accelerator of vulcanization. L. B. Sebrell. 2,102,547; Dec. 14.
Acetic anhydride, Manufacturing. M. Mugdan and J. Sixt. 2,101,868; Dec. 14.
Acetic anhydride, Producing. M. Mugdan and J. Sixt. 2,102,159; Dec. 14.
Acetylsalicylic acid products, Manufacture of water-soluble storage-stable. C. O. Miller and A. E. Siehrs. 2,101,867; Dec. 14.
Acid ester of cellulose from its reaction mixture, Separating an organic. C. J. Malm and C. R. Fordyce. 2,102,016; Dec. 14.
Acid, Manufacturing amino sulphonic. P. Baumgarten. 2,102,350; Dec. 14.
Acid, Purification of lactic. I. L. Haag and C. A. Vana. 2,101,998; Dec. 14.
Acids, Recovering. O. M. Urbain and W. R. Stemen. 2,102,103; Dec. 14.
Adjustable fixture support. S. Hammer. 2,101,852; Dec. 14.
Adjusting means. R. F. Sickles and H. F. Oliver. 2,102,098; Dec. 14.
Advertising sign. J. Jackson. 2,102,075; Dec. 14.
Air circulating and filtering apparatus, Warm. H. A. Phall. 2,101,916; Dec. 14.
Air circulator, Automotive. B. Kirsch. 2,102,418; Dec. 14.
Air conditioning system and apparatus. R. A. Brand. 2,102,507; Dec. 14.
Aircraft and sustaining rotor. R. H. Prewitt. 2,102,028; Dec. 14.
Aircraft rotor blade mounting mechanism. R. H. Prewitt. 2,102,027; Dec. 14.
Airplane. J. R. Salzman and C. J. Snyder. 2,102,095; Dec. 14.
Air resistance reducer. E. M. Hadley. 2,102,527; Dec. 14.
Alcohol, Sulphated selachyl. A. W. Baldwin and H. M. Bunbury. 2,101,831; Dec. 14.
Alkoxyanthraquinones, Manufacture of. F. Lodge and C. H. Lumsden. 2,101,910; Dec. 14.
Alloy, Copper base. C. H. Davis and E. L. Munson. 2,101,930; Dec. 14.
Alloy having corrosion resistance, Iron and steel. R. F. Passano. 2,102,215; Dec. 14.
Alloys and like materials, Preventing seizure of contacting surfaces of soft. A. L. Parker. 2,102,214; Dec. 14.
Alloys, Copper-nickel-titanium. N. B. Pilling and P. D. Merica. 2,102,238; Dec. 14.
Alloys, Preparing aluminum. H. L. Whitman. 2,102,448; Dec. 14.
Ammonia and boric acid, Producing. J. M. Peterson. 2,102,126; Dec. 14.
Ammonium nitrate, Process and apparatus for manufacturing. J. H. Shapleigh. 2,102,136; Dec. 14.
Ammonium sulphate, Production of. G. Berkhoff, Jr. 2,102,107; Dec. 14.
Amusement device. C. Gibson. 2,102,458; Dec. 14.
Anchor, Rail. H. G. Warr. 2,101,884; Dec. 14.
Animated sign. H. R. Van Deventer and J. J. Shively. 2,102,243; Dec. 14.
Anode. J. L. Young and A. C. Jephson. 2,102,249; Dec. 14.
Antenna system. G. W. Fyler. 2,102,410; Dec. 14.
Antiskid device for shoes or the like. W. A. Walthers. 2,102,500; Dec. 14.
Apparel and parts thereof. J. H. Lind. 2,102,014; Dec. 14.
Apparatus for discharging condensate from drying drums. W. S. Allen. 2,102,106; Dec. 14.
Apparatus for removing contents of flasks. E. J. Handler. 2,102,266; Dec. 14.
Applicator. E. McDannold. 2,102,209; Dec. 14.
Armature unit. C. R. Kinkaid. 2,102,538; Dec. 14.
Atomizer. W. C. Graham. 2,102,147; Dec. 14.
Automatic regulator. J. Fallou. 2,102,145; Dec. 14.
Automobile heater. A. W. McNeish. 2,102,581; Dec. 14.
Baby support. M. Pringle. 2,102,281; Dec. 14.
Bag: *See*—
Self closing bag.
Bait and making the same, Fish. G. W. Yearley. 2,102,052; Dec. 14.
Bait, Insect. H. M. Epstein. 2,101,988; Dec. 14.
Bar mat clip. A. E. Brickman and G. A. Gleason. 2,102,566; Dec. 14.
Barrier, Rock dust. J. E. Jones. 2,102,006; Dec. 14.
Bathtub hanger. W. B. Lucke. 2,102,082; Dec. 14.
Battery charging system. H. N. Wagar. 2,102,141; Dec. 14.
Bearing: *See*—
Propeller shaft bearing. Thrust bearing.
Bearing obstruction ejector. L. Kandarian. 2,102,320; Dec. 14.
Bearings, Making roller. L. R. Heim. 2,102,460; Dec. 14.
Beef carcasses, Method of and apparatus for treating. G. H. Miller. 2,102,084; Dec. 14.
Beer in open top metal containers, Packaging. A. L. Kronquest. 2,102,208; Dec. 14.
Beet-topping machine. J. G. Nutter. 2,102,379; Dec. 14.
Bench, Pipe cutting and welding. P. A. Edwards and M. G. J. Gross. 2,102,259; Dec. 14.
Bicycle lighting generator. P. Rathmann. 2,101,954; Dec. 14.
Binaural program system. R. D. Duncan, Jr. 2,102,144; Dec. 14.
Blood transfusion machine. S. J. Ferrara and W. E. Deen. 2,102,523; Dec. 14.
Boiler: *See*—
Water tube boiler.
Bolt, Expansion. G. H. Waterman. 2,102,230; Dec. 14.
Bolts and similar articles, Apparatus for manufacturing J. A. Kinney. 2,102,417; Dec. 14.
Bottle. J. M. Guthrie. 2,102,148; Dec. 14.
Box: *See*—
Carburizing box. Novelty box.
Display box.
Box. M. J. Nevins, Jr. 2,102,433; Dec. 14.
Box. M. W. Romig. 2,102,094; Dec. 14.
Box. W. Troginan. 2,102,497; Dec. 14.
Boxes, Manufacture of. A. G. A. van der Bogaert. 2,101,966; Dec. 14.
Brake actuating mechanism. W. I. Riley. 2,102,222; Dec. 14.
Brake controlling appliance. B. E. Howell and W. S. McKnight. 2,102,461; Dec. 14.
Brake release. L. F. Wendel. 2,102,501; Dec. 14.
Braking apparatus. A. Cohen. 2,102,406; Dec. 14.
Brewing device. R. C. Schock. 2,102,385; Dec. 14.
Brush. C. C. Gerhardt. 2,102,178; Dec. 14.
Brush, Commutator. J. C. Arnold. 2,102,347; Dec. 14.
Buffer core. J. C. Burkhardt. 2,102,193; Dec. 14.
Building construction. A. C. Olsen. 2,101,952; Dec. 14.
Building construction. L. T. Thorn. 2,102,443; Dec. 14.
Building construction. D. D. Whitacre. 2,102,447; Dec. 14.
Building construction, Sheet material. J. J. Whelan. 2,102,247; Dec. 14.
Bumper, Automobile. C. D. Hevenor. 2,102,120; Dec. 14.
Burner and fuel control mechanism. D. Lumsden. 2,102,367; Dec. 14.
Burner mechanism for gaseous fuel stoves. C. E. Parker. 2,102,482; Dec. 14.
Burners, Making. C. L. Hardwick. 2,102,530; Dec. 14.
Cabinet, Sheet paper. S. Magami. 2,101,863; Dec. 14.
Cabinet shell, Filing. F. D. Jonas. 2,102,272; Dec. 14.
Cable, Electric. S. J. Rosch. 2,102,129; Dec. 14.
Calculating and recording system. M. H. Loughridge. 2,101,861; Dec. 14.
Camera, Photographic roll-film. R. E. Reason and T. W. Clifford. 2,102,574; Dec. 14.
Camera, Self-erecting front. C. W. Crumrine. 2,101,986; Dec. 14.
Can opening device. H. B. Lloyd. 2,102,365; Dec. 14.
Cap for collapsible tubes, Self-opening and closing. G. L. Lateur. 2,101,909; Dec. 14.
Caps, Producing crown. H. M. Schmidt. 2,102,285; Dec. 14.
Capacitor. L. G. Burlingame. 2,101,896; Dec. 14.
Car, Refrigerator. J. H. McCormick. 2,102,182; Dec. 14.
Carbon black and the like, Apparatus for treating. E. W. Billings and H. H. Offutt. 2,102,054; Dec. 14.
Carburetor. Y. Djordjevitch. 2,102,113; Dec. 14.
Carburetor. A. W. D. Gladwell. 2,102,361–2; Dec. 14.
Carburetor, Floatless. M. Mennesson. 2,102,475; Dec. 14.
Carburizing box. A. M. Miller. 2,102,019; Dec. 14.
Card, Greeting. S. D. Cohen. 2,102,553; Dec. 14.
Cargo units, Apparatus for moving and stacking heavy. W. R. Pease. 2,101,871; Dec. 14.
Carline. W. P. Murphy. 2,102,277; Dec. 14.
Carrier: *See*—
Tool carrier.
Carrier and handler, Cuspidor. C. T. Balochi. 2,102,348; Dec. 14.

Carrier transmission system, Multichannel. H. Mayer. 2,102,472; Dec. 14.
Carton, and blank for forming the same. H. Kondolf. 2,102,009; Dec. 14.
Cartridge, Electric. G. A. Merchant and R. M. Pinckneyville. 2,102,477; Dec. 14.
Cashier's protector. L. R. Städtler. 2,102,169; Dec. 14.
Case: *See*—
Spectacle case.
Casing and making same, Artificial sausage. G. Sachsenröder. 2,101,958; Dec. 14.
Cast cutter. B. D. Van Nader. 2,102,047; Dec. 14.
Cathode ray oscillograph. H. P. Kuehni. 2,102,421; Dec. 14.
Cellulose acetate propionate butyrate, Preparation of. C. R. Fordyce. 2,101,994; Dec. 14.
Cellulose esters to render suitable for molding, Treatment of. F. R. Conklin and C. L. Fletcher. 2,101,984; Dec. 14.
Cellulose nitrate and liquid nitric esters and the product thereof, Acceleration of gelatinization of. J. T. Power and K. R. Brown. 2,102,187; Dec. 14.
Cement, Ceramic patching. J. M. McKinley and W. K. Carter. 2,102,327; Dec. 14.
Centrifugal clutch. J. Fleux. 2,102,524; Dec. 14.
Centrifugal pump. E. A. Sjöström. 2,101,960; Dec. 14.
Chain coupling. J. Seltzer. 2,102,135; Dec. 14.
Chain with readily detachable feed-lug, Conveyer. R. E. Johnson. 2,102,569; Dec. 14.
Chair: *See*—
Invalid chair.
Chair. R. H. Williams. 2,102,173; Dec. 14.
Check signer. H. I. Morris. 2,101,914; Dec. 14.
Cheese coating, Flexible. H. J. Coster. 2,102,516; Dec. 14.
Chlorohydrines, Manufacture of. L. U. Spence. 2,102,042; 2,102,042; Dec. 14.
Chucking machine. G. O. Gridley, D. H. Montgomery, and E. H. Wheeler. 2,102,412; Dec. 14.
Cigar bunch shaper mechanism. H. H. Wheeler. 2,102,298; Dec. 14.
Cigarette weigher for continuous-rod cigarette machines. G. W. Gwinn. 2,102,317; Dec. 14.
Circuit breaker. W. M. Leeds. 2,102,326; Dec. 14.
Circuit breaker. A. J. Thomson. 2,102,295; Dec. 14.
Circuit breaker. L. S. Walle. 2,102,396; Dec. 14.
Circuit for burner controls, Safety switch heater. L. M. Persons. 2,102,091; Dec. 14.
Circuit, Fuse protective. L. C. Hart. 2,102,204; Dec. 14.
Circuit interrupter. J. M. Sandin. 2,102,284; Dec. 14.
Circuits, Volume control. L. E. Barton. 2,101,832; Dec. 14.
Clay, Reactivation of spent. G. H. von Fuchs. 2,102,341; Dec. 14.
Cleaner: *See*—
Overhead rail cleaner. Vacuum cleaner.
Cleaner and hull extracting feeder for cotton. F. E. Deems. 2,102,408; Dec. 14.
Clip: *See*—
Bar mat clip. Tenter clip.
Clipper, Hair. J. A. Hanley. 2,102,520; Dec. 14.
Closure and powder ejector, Combined. W. C. Heatlie. 2,102,118; Dec. 14.
Closure, Bottle. J. C. Keaney and J. M. Guthrie. 2,102,157–8; Dec. 14.
Closure cap lock. C. M. Hurd. 2,102,464; Dec. 14.
Closure for containers. F. I. and B. P. Remy. 2,102,436; Dec. 14.
Closure for receptacles. C. S. Baron. 2,102,340; Dec. 14.
Clutch: *See*—
Centrifugal clutch. Universal joint controlled clutch.
Electromagnetic clutch.
Rotary fluid clutch.
Clutch control device. L. Salves. 2,102,036; Dec. 14.
Clutch for rotating machine elements, Centrifugal. G. E. Jonsson. 2,101,946; Dec. 14.
Clutch plate. G. E. Pope. 2,102,279; Dec. 14.
Clutch plate, Cushioned. G. E. Pope. 2,102,280; Dec. 14.
Coating substances with metals or alloys, Method of and apparatus for. C. F. Haunz. 2,101,854; Dec. 14.
Coatings to bundled shingles, Applying siccative. C. N. Perrin. 2,102,089; Dec. 14.
Coatings to wires, Device for applying. W. H. Convers. 2,102,059; Dec. 14.
Coffee, tea, and the like, Method and apparatus for steeping. T. M. Walsh. 2,102,244; Dec. 14.
Coils, Apparatus for handling. G. H. Rose. 2,102,337; Dec. 14.
Coin controlled machine. H. H. Hoke, Jr. 2,102,532; Dec. 14.
Cold, Method and apparatus for producing. E. Öman. 2,101,953; Dec. 14.
Collapsible container. A. M. Walstrom. 2,102,048; Dec. 14.
Collapsible hoisting frame. H. A. Pasternack. 2,102,163; Dec. 14.
Collar. A. Closmann. 2,102,058; Dec. 14.
Collar. H. Lowenbraun and M. Schwartz. 2,101,911; Dec. 14.
Collar supporting and ironing device. A. A. Myers. 2,102,210; Dec. 14.
Colorimeter. G. Fassin. 2,101,934; Dec. 14.
Colorimeter. G. Fassin and J. R. Miles. 2,101,933; Dec. 14.
Combination lock. F. K. Heyer. 2,102,579; Dec. 14.
Combination table. L. Zimmerman. 2,102,449; Dec. 14.
Commodities and preventing theft thereof, Receiving delivered. G. F. R. Haynes. 2,102,000; Dec. 14.
Components of a mixture of more than two components, Process and apparatus for separation of the. H. Walch and J. Prélaz. 2,102,297; Dec. 14.
Composite fabric. W. W. Rowe. 2,101,874; Dec. 14.
Composition of matter and method and steps of making and using the same. M. T. Harvey. 2,101,853; Dec. 14.
Compositions of matter for photographic processing baths. F. R. Bean. 2,101,834; Dec. 14.
Compressor. W. W. Wishart. 2,102,344–6; Dec. 14.
Concealed hinge. J. Soss. 2,102,291; Dec. 14.
Condensation product and producing same. H. Hönel. 2,101,944; Dec. 14.
Connecter: *See*—
Electrical connecter.
Connecting device. S. B. Sanford. 2,102,383; Dec. 14.
Container: *See*—
Collapsible container. Dispensing container.
Container. D. Henderson. 2,101,855; Dec. 14.
Container. H. Sebell. 2,102,440; Dec. 14.
Control device and the production thereof. C. W. Dann. 2,102,407; Dec. 14.
Control for automatic talking machines, Automatic. H. H. Hoke, Jr. 2,102,531; Dec. 14.
Control means. E. J. Dillman. 2,102,176; Dec. 14.
Control system. C. G. Kronmiller. 2,102,324; Dec. 14.
Control system. W. R. Taliaferro. 2,101,880; Dec. 14.
Control system. W. R. Taliaferro, C. C. Whittaker, and L. G. Riley. 2,102,294; Dec. 14.
Control system for submersible motors and the like. E. Mendenhall and J. B. Van Horn. 2,102,018; Dec. 14.
Controller apparatus. O. Wünsche. 2,102,400; Dec. 14.
Conveyer. C. E. Moore. 2,102,374; Dec. 14.
Conveyer. W. C. Yeakel. 2,102,248; Dec. 14.
Conveyer, Automatic plating. B. G. Daw. 2,102,308; Dec. 14.
Conveyer, Cotton. W. H. Suttenfield, O. L. York, and V. A. Howard. 2,102,442; Dec. 14.
Conveyer feed milling machine. W. Sinclair. 2,102,227; Dec. 14.
Conveying apparatus. V. K. Newcomer. 2,102,330; Dec. 14.
Cooking and heating apparatus, Electrical. E. Walder. 2,102,342; Dec. 14.
Cooking apparatus. S. D. Sherman. 2,102,097; Dec. 14.
Cooking or extracting process. M. Groeck. 2,101,939; Dec. 14.
Cooler: *See*—
Refrigerant condenser cooler.
Cooler for use in refrigerators, Water. W. F. Thompson and R. Whitten. 2,102,496; Dec. 14.
Copper-sulphur alloy. C. S. Smith. 2,102,388; Dec. 14.
Core and dry binder for the preparation thereof, Foundry. F. H. Lane. 2,102,122; Dec. 14.
Corset, girdle, and the like. M. Laguzzi. 2,102,273; Dec. 14.
Cosmetic in solid cake form, Dry make-up. F. Factor and P. E. Fisher. 2,101,843; Dec. 14.
Cotton handling apparatus. J. J. Wallace. 2,102,499; Dec. 14.
Cotton setting machine. R. Fox. 2,102,116; Dec. 14.
Counter. P. G. Stimson. 2,102,043; Dec. 14.
Coupling: *See*—
Chain coupling.
Coupling or other transmission device. G. H. Fraser. 2,102,312; Dec. 14.
Cover: *See*—
Spring cover. Tire cover.
Cover and hub guard, Combination tire. G. A. Lyon. 2,102,468; Dec. 14.
Covered joint hinge. J. Soss. 2,102,290; Dec. 14.
Covering, Road. H. P. K. T. Nielsen. 2,102,480; Dec. 14.
Cultivator. F. F. Powell. 2,102,483; Dec. 14.
Cup: *See*—
Paper drinking cup.
Cutter: *See*—
Cast cutter.
Cutting tool. F. P. Miller. 2,102,478; Dec. 14.
Cyclopropane, Producing. H. B. Hass and E. W. Gluesenkamp. 2,102,556; Dec. 14.
Cylinder cooling system. G. A. Spelts. 2,102,041; Dec. 14.
Defrosting screen. A. Schwarz. 2,102,487; Dec. 14.
D-glucono-delta-lactone, Crystallizing pure. R. Pasternack. 2,102,380; Dec. 14.
Degreasing apparatus. C. F. Dinley. 2,101,840–41; Dec. 14.
Diaphragm. A. Hammer. 2,102,150; Dec. 14.
Dictating machine. J. M. Lucarelle and J. E. Renholdt. 2,102,366; Dec. 14.
Die-rolling mill. A. C. Cummins. 2,102,356; Dec. 14.
Diffraction grating tool. R. D. Doner. 2,102,521; Dec. 14.
Diphenyl sulphide, Refining. G. Dougherty. 2,102,200; Dec. 14.
Direct flow check valve. M. Smolensky. 2,102,289; Dec. 14.
Discharge apparatus and method. R. E. Barclay. 2,102,190; Dec. 14.
Dispensing container. A. J. Chamberlain. 2,102,057; Dec. 14.

Display box. A. E. Keppler. 2,102,079; Dec. 14.
Display device, Animated luminous. V. and W. McKenna and S. Rouss. 2,102,474; Dec. 14.
Door closer. W. J. Keene. 2,102,321–2; Dec. 14.
Door, Refrigerator car. S. B. Haseltine. 2,101,942; Dec. 14.
Draft and buffer gear. G. A. Johnson. 2,101,945; Dec. 14.
Draft regulation. G. Dalén. 2,102,143; Dec. 14.
Drain, Floor. E. W. N. Boosey. 2,101,978; Dec. 14.
Drawer, Knock-down. B. E. Richardson and R. W. Willey. 2,102,437; Dec. 14.
Drill: *See*—
Rock drill.
Drilling implement. H. C. Johansen. 2,102,236; Dec. 14.
Drive and differential. G. H. Fraser. 2,102,313–14; Dec. 14.
Drive, Belt. E. G. Kimmich. 2,102,560; Dec. 14.
Drive, Föttinger. W. Lenz. 2,102,425; Dec. 14.
Drive mechanism. W. W. Sloane. 2,102,441; Dec. 14.
Drive, Rolling mill. A. C. Cummins. 2,102,355; Dec. 14.
Driving mechanism for internal combustion engines and the like. A. H. Craske. 2,102,196; Dec. 14.
Dynamo motor. C. W. Noel. 2,102,481; Dec. 14.
Edging for spring assemblies for upholstery. W. W. Gleason. 2,102,066; Dec. 14.
Effects on materials, Production of. J. Allan and J. A. Wainwright. 2,101,887; Dec. 14.
Electric heater elements, Making. E. E. Arnold. 2,102,301; Dec. 14.
Electric lamp. E. Ruppel. 2,102,224; Dec. 14.
Electric switch. R. N. Rowe. 2,102,545; Dec. 14.
Electrical condenser. S. S. Cramer. 2,101,985; Dec. 14.
Electrical illuminating device. A. Wolf. 2,101,971; Dec. 14.
Electrical-measuring instrument. H. T. Faus. 2,102,409; Dec. 14.
Electrical measuring system. J. F. Quereau. 2,102,030; Dec. 14.
Electromagnetic clutch. H. E. Hodgson. 2,102,318; Dec. 14.
Electron discharge tube. A. G. Thomas. 2,102,045; Dec. 14.
Electrosurgical device. M. N. Hyams. 2,102,270; Dec. 14.
Emulsions of the oil-in-water type, Separating. W. Woelflin. 2,102,051; Dec. 14.
Engine: *See*—
Free piston engine.
Engine fuel system, Internal combustion. J. B. Macauley, Jr., and A. J. Roualet. 2,102,428; Dec. 14.
Engine starter control apparatus. J. B. Dyer. 2,101,931; Dec. 14.
Engines, Apparatus for the analytical testing of internal combustion. J. D. Morgan and P. B. Levitt. 2,102,185; Dec. 14.
Envelopes, Manufacture of dry-sealing. V. E. Heywood. 2,102,001; Dec. 14.
Enzyme from mold, Preparing an. W. Grassmann and H. Rubenbauer. 2,102,315; Dec. 14.
Ethers and the preparation thereof, Cellulose mixed. J. F. Haskins and D. C. Ellsworth. 2,102,205; Dec. 14.
Expansion joint. E. E. Hall. 2,102,528; Dec. 14.
Explosive charge and apparatus for the manufacture of the same. G. Weber. 2,102,245; Dec. 14.
Explosion or internal combustion engine. M. Kadenacy. 2,102,559; Dec. 14.
Exposure control. J. Eggert and H. F. Nissen. 2,101,932; Dec. 14.
Fabric: *See*—
Composite fabric.
Fabric and machine for making the same, Pile. E. Hopkinson. 2,101,906; Dec. 14.
Fabric and making the same, Pile. E. Hopkinson. 2,101,905; Dec. 14.
Fabric for reinforcing insoles, Treating textile. E. A. Ellis. 2,101,987; Dec. 14.
Fabric treating machine. H. H. Belcher. 2,101,974; Dec. 14.
Fan economizer. W. Carpender. 2,101,983; Dec. 14.
Fastener: *See*—
Multiple fastener.
Fastener elements, Method and apparatus for the production of. B. Reiter. 2,102,031; Dec. 14.
Fasteners, Making thermoplastic. L. H. Morin and D. Marinsky. 2,102,328; Dec. 14.
Fastening device. A. W. Schmid. 2,102,096; Dec. 14.
Fastening device. G. A. Tinnerman. 2,102,229; Dec. 14.
Fastening means for bearing sleeves. F. C. Morton. 2,102,375; Dec. 14.
Fat and oil splitting enzyme from plant seeds, Preparing. E. Takamiya. 2,102,101; Dec. 14.
Faucet. J. Auger. 2,102,503; Dec. 14.
Ferrule for cigarette holders. G. R. McWane. 2,102,017; Dec. 14.
Filler, Paving joint. L. E. Warner. 2,101,883; Dec. 14.
Film and making, Composite. C. Scott. 2,101,876; Dec. 14.
Filter. E. J. Sweetland. 2,102,293; Dec. 14.
Firearm. G. Norman. 2,102,332; Dec. 14.
Firearm, Chest supported. M. A. Elkins. 2,102,568; Dec. 14.
Firearm, Recoil loading. T. F. Sanders. 2,101,957; Dec. 14.
Firebox. C. B. Polhemus. 2,102,217; Dec. 14.
Fire escape, Emergency. A. C. Rapp. 2,102,484; Dec. 14.
Fire tool. O. H. Schoemberger. 2,102,133; Dec. 14.
Fish lure. W. A. Stolley. 2,102,492; Dec. 14.
Flaws in magnetizable bodies, Detection of. T. Zuschlag. 2,102,452; Dec. 14.
Floor or ceiling structure. R. Zoettl. 2,102,231; Dec. 14.
Floor, Portable dance. H. B. Mueller. 2,102,086; Dec. 14.
Floor sander. F. L. Detwiler. 2,102,063; Dec. 14.
Flotation process. M. H. Merriss. 2,102,370; Dec. 14.
Flower holder, Clip pin. R. Graillat. 2,102,411; Dec. 14.
Fluid operated pump. S. Q. Bates. 2,101,833; Dec. 14.
Fluid turbine arrangement, Elastic. O. Junggren. 2,102,416; Dec. 14.
Food handling apparatus. H. L. Johnston. 2,102,180; Dec. 14.
Formaldehyde from methane, Production of. P. Nashan. 2,102,160; Dec. 14.
Fowls and the like, Device for holding. G. B. Markle, Jr. 2,102,542; Dec. 14.
Frame: *See*—
Collapsible hoisting frame.
Free piston engine. H. Jänicke. 2,102,121; Dec. 14.
Freezing medium, method of production and application for freezing purposes. F. O. S. Bland. 2,102,506; Dec. 14.
Freezing process for the separation of the constituents of liquids. P. Schuftan. 2,102,134; Dec. 14.
Frequency control. N. E. Lindenblad. 2,102,426; Dec. 14.
Fruit extract concentrates and flavors, Making. W. E. Stokes and M. H. Kennedy. 2,101,962; Dec. 14.
Fuel injection means for motors. O. L. A. Riegels. 2,102,485; Dec. 14.
Fuels, Manufacture of motor. V. Ipatieff and R. E. Schaad. 2,101,857; Dec. 14.
Fur in a shuttle to active position, Method and apparatus for restoring. W. A. Tebo. 2,101,964; Dec. 14.
Furnace. W. Raisch. 2,102,544; Dec. 14.
Furnace and operating the same, Electric induction. D. L. Summey. 2,102,582; Dec. 14.
Furnace construction. G. L. Danforth, Jr. 2,102,257; Dec. 14.
Fuse, Renewable electric. G. E. Holmes. 2,102,206; Dec. 14.
Fuse, Safety. D. E. Pearsall. 2,102,024; Dec. 14.
Fuse switch. T. Birkenmaier. 2,102,253; Dec. 14.
Game apparatus. L. E. Johnson and B. C. Bordonaro. 2,102,535; Dec. 14.
Garment. S. Sinskey. 2,102,039; Dec. 14.
Garment, Hooded. M. Arst. 2,102,251; Dec. 14.
Garment, Sanitary. J. G. Frieman. 2,102,359; Dec. 14.
Garter. E. O. Loeber. 2,102,561; Dec. 14.
Gas content of solutions, Determining the. E. Zahm. 2,102,105; Dec. 14.
Gas detecting apparatus. R. A. Gandy. 2,102,457; Dec. 14.
Gaseous conduction device. R. E. Barclay. 2,102,189; Dec. 14.
Gaseous conduction device. R. E. Barclay. 2,102,191; Dec. 14.
Gaseous mixtures, Effecting. R. E. Barclay. 2,102,192; Dec. 14.
Gasholder. J. H. Wiggins. 2,102,299; Dec. 14.
Gate: *See*—
Sluice gate.
Gauge for punches, Back. C. V. St. Louis and G. J. Rundblad. 2,102,292; Dec. 14.
Gear: *See*—
Draft and buffer gear. Steering gear.
Gear broaching machine and method. W. A. Hart. 2,102,071; Dec. 14.
Gear drive. M. Rotter. 2,102,167; Dec. 14.
Gears, Method of and apparatus for hardening. L. D. Slade. 2,102,040; Dec. 14.
Gel formation. G. Jones and I. B. Rymph. 2,102,005; Dec. 14.
Gelatin, Preparing photographic. S. E. Sheppard and J. H. Hudson. 2,101,877; Dec. 14.
Generator: *See*—
Bicycle lighting generator. Oscillation generator.
Generator structure, Hand driven. W. G. Dunn. 2,102,309; Dec. 14.
Glass masonry. J. M. Guthrie. 2,102,149; Dec. 14.
Globe, Analemmic tellurian. W. H. Hall. 2,102,413; Dec. 14.
Glue products, Manufacture of composite. C. H. Campbell. 2,102,255; Dec. 14.
Golf shaft. R. H. Cowdery and C. Wright. 2,102,060; Dec. 14.
Governor means for liquid injection internal combustion engines. A. Schweizer. 2,102,338; Dec. 14.
Grave concealing device. E. M. Elder and W. D. Goodyear. 2,102,260; Dec. 14.
Grease trap. A. M. McLeod. 2,102,429–30; Dec. 14.
Grinding device. G. J. Batzer. 2,102,053; Dec. 14.
Grinding machine. G. Crompton, Jr. and C. J. Green. 2,102,517; Dec. 14.
Grinding machine. F. E. Johnson. 2,102,518; Dec. 14.
Grinding wheel. K. F. Whitcomb and H. W. Wagner. 2,102,343; Dec. 14.
Guard attachment for mixing machines. L. B. Brunner. 2,101,980; Dec. 14.

Gun. F. Dixon. 2,102,199; Dec. 14.
Gun, Gas-operated. S. H. MacGregor. 2,101,862; Dec. 14.
Gun, Grease. J. J. Pelouch. 2,102,025; Dec. 14.
Gyrating machine. G. W. Behnke. 2,102,252; Dec. 14.
Hair curler. W. H. Schmitt. 2,102,286; Dec. 14.
Hair waving appliance. G. Ströher. 2,102,241; Dec. 14.
Hammer, Mechanical. B. W. Snodgrass. 2,101,878; Dec. 14.
Handbag, Lady's. J. E. Goldberg. 2,101,997; Dec. 14.
Hanger: *See*—
Bathtub hanger. Tobacco hanger.
Strap hanger. Utility hanger.
Hanger. T. L. Howell. 2,102,462; Dec. 14.
Heat insulated receptacle. A. H. Payson and C. O. Duevel, Jr. 2,102,164; Dec. 14.
Heat transfer system. J. S. Alcorn. 2,101,835; Dec. 14.
Heater: *See*—
Automobile heater.
Heating device, Combustion chamber. M. S. Hall. 2,101,903; Dec. 14.
Hectograph bands, Treating. W. B. Whitmore. 2,102,399; Dec. 14.
Heel, Cushioned. G. W. Griffith. 2,102,067; Dec. 14.
Hides and skins, Softening. M. M. Merritt. 2,101,866; Dec. 14.
Hinge: *See*—
Concealed hinge. Covered joint hinge.
Hoist, Power. B. M. Crawford. 2,101,839; Dec. 14.
Holder: *See*—
Flower holder. Receptacle holder.
Holder for stenotype strips, Copy. J. McNamara. 2,102,431; Dec. 14.
Honing and lapping machine. T. F. Quigley. 2,102,093; Dec. 14.
Hosiery with strain absorbing zone reinforced against curling. R. H. Scheer. 2,102,486; Dec. 14.
Hydrocarbons, Treatment of. V. Ipatieff and R. E. Schaad. 2,102,073–4; Dec. 14.
Ignition apparatus for closed-system fluid-combustible burners. J. W. Hays. 2,102,153; Dec. 14.
Illuminating apparatus and making same. T. W. Warren. 2,102,049; Dec. 14.
Impulse rate meter. B. Miller. 2,102,371; Dec. 14.
Indicator. A. G. Rayburn. 2,101,955; Dec. 14.
Ingots, Producing. G. A. Dornin. 2,102,258; Dec. 14.
Ink to ink transfer members, Supplying. G. E. Pelton. 2,102,216; Dec. 14.
Insecticides and fungicides. R. J. Bonstein. 2,102,564; Dec. 14.
Insulating building unit, Thermal. E. L. Benedict. 2,101,836; Dec. 14.
Invalid chair. M. E. Roe. 2,102,336; Dec. 14.
Investment composition. G. C. Van Allen. 2,102,444; Dec. 14.
Iron, Soldering. W. R. Richardson. 2,102,032; Dec. 14.
Isatin derivatives, Manufacture of. M. Wyler. 2,102,104; Dec. 14.
Jar. H. P. Wickersham. 2,101,968; Dec. 14.
Joint: *See*—
Expansion joint. Rotary tool joint.
Pipe joint. Swivel pipe joint.
Joint for front wheel suspensions, Ball. G. H. Hufferd. 2,102,463; Dec. 14.
Jolting and squeeze control for molding machines. W. H. Nicholls and G. Anderson. 2,102,377; Dec. 14.
Keys for preserve cans, Manufacture of. E. Ljungstrom. 2,102,467; Dec. 14.
Knitting machine. G. C. Szabo. 2,102,540; Dec. 14.
Lacquers of the urea resin type. C. Ellis. 2,102,114; Dec. 14.
Lamp: *See*—
Electric lamp. Surgical lamp.
Lamp. B. Putterman. 2,102,029; Dec. 14.
Latch: *See*—
Stutter trigger latch.
Latch for doors of barns, sheds, etc. E. F. Groenewold. 2,102,203; Dec. 14.
Latching system for automobiles or other vehicles. L. D. O. Moitthé. 2,102,373; Dec. 14.
Lead, Refining. J. O. Betterton and Y. E. Lebedeff. 2,101,975; Dec. 14.
Level and mounting same, Spirit. A. Langsner. 2,102,364; Dec. 14.
Leveling device. L. E. Blanchett. 2,101,837; Dec. 14.
Lighter, Combustible liquid. L. Bolle. 2,102,108; Dec. 14.
Lighter construction. A. F. Reilly. 2,102,381; Dec. 14.
Liquid, Device for dispensing measured quantities of. F. Schär. 2,102,239; Dec. 14.
Liquid, Preparing a. J. Wetstein. 2,102,398; Dec. 14.
Liquids, System and apparatus for pumping hazardous. G. A. Ungar. 2,102,140; Dec. 14.
Liquids, Transportation of. J. Lithgow. 2,102,124; Dec. 14.
Lock: *See*—
Closure cap lock. Combination lock.
Lock structure, Automobile. R. A. Sandberg. 2,102,438; Dec. 14.
Lock washer. J. J. Connell. 2,102,404; Dec. 14.
Lock washer. F. W. England. 2,102,495; Dec. 14.
Locks, Making retainer. E. A. McBride. 2,102,473; Dec. 14.
Locks, Production of fan-shaped screw. A. Thode. 2,102,493; Dec. 14.
Locking system for registering machines. B. S. Tyler. 2,102,046; Dec. 14.
Machine and method for forming helical springs. R. F. Carlberg. 2,101,982; Dec. 14.
Machine for applying closures. S. C. Bond. 2,101,977; Dec. 14.
Machine for attaching welts to soles. E. E. Field. 2,101,990; Dec. 14.
Machine for enveloping articles. J. N. Pattison. 2,101,870; Dec. 14.
Machine for forming radiator ribbons. S. Przyborowski. 2,102,573; Dec. 14.
Machine for hobbing the teeth of worm wheels. G. Lechesne. 2,102,540; Dec. 14.
Machine for squaring the ends of cakes of ice. M. J. Uline. 2,102,498; Dec. 14.
Machine for the tooling of metallic screw propeller blades. C. W. Berthiez. 2,102,505; Dec. 14.
Machine for troweling. H. S. Boulton. 2,101,895; Dec. 14.
Machinery for marking hosiery or other articles. A. H. Schmidtke. 2,102,132; Dec. 14.
Magnesium and magnesium alloys, Production of refined. G. Schichtel. 2,101,919; Dec. 14.
Magnesium from magnesium in finely divided form, Recovery of compact metallic. F. Hansgirg. 2,101,904; Dec. 14.
Magnetic analysis. T. Zuschlag. 2,102,450–1; Dec. 14.
Mandrel, Self-gripping. E. O. Goordman. 2,101,846; Dec. 14.
Match folder. R. F. Mahon. 2,102,580; Dec. 14.
Material for use in preventing offset in printing. R. A. Habermaier. 2,101,999; Dec. 14.
Material, Treating waste wet organic. R. L. Lloyd and H. J. Stehli. 2,102,427; Dec. 14.
Measuring device, Illuminated. F. H. Scantlebury. 2,102,384; Dec. 14.
Mercury power plant. A. J. Larrecq. 2,102,424; Dec. 14.
Metal articles, Enlarging the diameter of hollow. F. Singer. 2,102,099; Dec. 14.
Metal articles, Making composite ferrous. M. R. Trembour. 2,102,394; Dec. 14.
Metal drawing apparatus. W. F. Schulz. 2,101,959; Dec. 14.
Metal for enameling, Preparing. G. W. McGohan. 2,101,950; Dec. 14.
Metal forming tool. F. J. Minkel. 2,102,572; Dec. 14.
Metal reinforcement for abrasive teeth. G. W. Chormann and H. J. Cowle. 2,102,306; Dec. 14.
Metal spraying apparatus. T. G. Valentine and E. J. Brennan. 2,102,395; Dec. 14.
Metal, Treating. C. F. Lauenstein and P. F. Ulmer. 2,102,539; Dec. 14.
Metalworking machine. D. H. Montgomery. 2,102,183; Dec. 14.
Meter: *See*—
Impulse rate meter. Tuning meter.
Microscope. W. Bausch. 2,101,928; Dec. 14.
Microscope. G. B. Gallasch. 2,101,936; Dec. 14.
Microscope for pathological research. L. D. Larimore. 2,102,274; Dec. 14.
Milking system, Pressure releaser. F. G. Hodsdon. 2,102,267; Dec. 14.
Mill: *See*—
Die-rolling mill.
Mineral wool insulation. G. D. Shaver. 2,101,921; Dec. 14.
Mixing apparatus and juice extractor. S. Ferbend. 2,101,989; Dec. 14.
Mixing valve, Thermostatically controlled. K. D. Kysor. 2,102,011.
Mixture control. G. E. Beardsley, Jr., and W. A. Parkins. 2,102,504; Dec. 14.
Mold breaker. J. F. Campbell. 2,102,552; Dec. 14.
Molder. L. E. Blood. 2,102,175; Dec. 14.
Molding machine, Roll-off. W. H. Nicholls. 2,102,378; Dec. 14.
Monoazodyestuffs. R. Fleischhauer and E. Fischer. 2,102,115; Dec. 14.
Mop, Combination. C. Huber. 2,102,319; Dec. 14.
Motor: *See*—
Dynamo motor.
Mounting for light sensitive devices. E. Ross. 2,101,918; Dec. 14.
Mounting, Machine gun jacket. S. G. Green. 2,101,851; Dec. 14.
Multiple fastener. L. Roseman. 2,102,223; Dec. 14.
Muzzle attachment for guns. S. G. Green. 2,101,849–50; Dec. 14.
Nipple. J. B. Whitbread. 2,102,050; Dec. 14.
Novelty box. M. Kahn. 2,102,077; Dec. 14.
Nut and installation thereof. G. Johnson. 2,102,558; Dec. 14.
Nut and making the same, Self-locking. O. E. Simmonds. 2,102,489; Dec. 14.
Nut device, Threaded. W. H. Churchill. 2,102,554; Dec. 14.
Ocular, Analyzing. L. V. Foster. 2,101,935; Dec. 14.
Oil, Distillation of. D. G. Brandt. 2,102,234; Dec. 14.
Oils, Apparatus for treating hydrocarbon. C. W. Stratford. 2,102,548; Dec. 14.
Oils, Cracking of hydrocarbon. L. C. Huff. 2,102,269; Dec. 14.

Oils, Dewaxing hydrocarbon. E. Petty. 2,102,334; Dec. 14.
Oiling device, Auxiliary. M. C. Clarkson. 2,102,514; Dec. 14.
Opener, Can. W. E. Eeschbach. 2,102,174; Dec. 14.
Ornament. D. H. Crosser. 2,101,898; Dec. 14.
Ornament and frame therefor. L. K. Stupell. 2,102,242; Dec. 14.
Oscillation generator. F. Klutke. 2,102,419; Dec. 14.
Oscillograph. S. S. Hansen and T. M. E. Wendt. 2,101,940; Dec. 14.
Overhead rail cleaner. L. W. Kahn. 2,102,537; Dec. 14.
Overload release device. F. L. Hill. 2,102,002; Dec. 14.
Overshoe and the like. B. Halberstadt. 2,102,265; Dec. 14.
Package. A. J. Nelson and J. H. Olsen. 2,102,320; Dec. 14.
Package for dry goods, and method and apparatus for making the same. A. J. Brooks. 2,102,508; Dec. 14.
Panel and card carrier combination. F. L. G. Straubel. 2,101,963; Dec. 14.
Panel, Metal. C. C. Trees. 2,101,965; Dec. 14
Paper and paper-coating compositions, Coated. J. K. Hunt and G. H. Latham. 2,102,207; Dec. 14.
Paper and the like, Process of and apparatus for the manufacture of. E. Hutchins. 2,102,004; Dec. 14.
Paper drinking cup. W. W. Cecil, II. 2,102,510; Dec. 14.
Paper machinery. I Stern. 2,102,170; Dec. 14.
Parachute pack. C. H. Lundholm. 2,102,541; Dec. 14.
Para-hydroxy-para'-ethoxy diphenylamine. G. C. Strouse. 2,101,879; Dec. 14.
Particles from fluids, Separation of solid. H. Freeman. 2,102,525; Dec. 14.
Patch uniting method for envelopes. R. L. Gray. 2,101,847; Dec. 14.
Pattern registration means for multiple cylinder printing machines. H. A. Scott and L. B. Case. 2,102,386; Dec. 14.
Peel, Multi-ply wood baker's. H. L. Schroeder. 2,101,920; Dec. 14.
Pen and the like, Fountain. M. G. Sypher. 2,102,044; Dec. 14.
Pencil, Pyrographic. E. L. Meyer. 2,101,913; Dec. 14.
Pessary applicator. L. Schleicher. 2,101,875; Dec. 14.
Phonograph. S. G. Langley. 2,102,423; Dec. 14.
Phonograph recording control system. E. C. Guedon. 2,102,316; Dec. 14.
Photography, Stereoscopic. N. H. Brock. 2,101,979; Dec. 14.
Pick, Ice. H. F. Niles. 2,102,331; Dec. 14.
Picture mount or the like and making the same. C. N. Cross. 2,102,519; Dec. 14.
Pictures and apparatus therefor, Motion. C. Etzel. 2,101,842; Dec. 14.
Piezoelectric apparatus. S. A. Bokovoy and P. D. Gerber. 2,101,893; Dec. 14.
Pipe heating system regulating plate, One. D. N. Crosthwait, Jr. 2,102,197; Dec. 14.
Pipe joint. R. C. Boughton. 2,101,894; Dec. 14.
Pipe joint. A. E. Osborn. 2,102,434; Dec. 14.
Piston manufacture, Sheet metal. G. M. Ambrosius. 2,101,888; Dec. 14.
Plug valve. S. J. Nordstrom. 2,102,211; Dec. 14.
Polymerization products from styrene and their production. H. Hopff and F. Schmidt. 2,102,179; Dec. 14.
Powder loading device. J. C. Costello. 2,102,112; Dec. 14.
Power system, Electric. G. H. Shapter. 2,102,387; Dec. 14.
Premixing device for fluid fuel burners. J. W. Hays. 2,102,152; Dec. 14.
Pressure responsive device. A. P. Charbonneau. 2,102,304; Dec. 14.
Printing cut. J. T. Cochran. 2,101,838; Dec. 14.
Printing machine. H. L. Latz and S. H. Plum, 2d. 2,102,466; Dec. 14.
Printing plate, Color corrected photo-mechanical. A. Murray. 2,102,022; Dec. 14.
Projection apparatus. D. F. Newman. 2,102,161; Dec. 14.
Projector. L. J. Andres. 2,101,890; Dec. 14.
Projectors, Tilting mechanism for. D. L. Babcock. 2,101,830; Dec. 14.
Propeller shaft bearing. A. G. Herreshoff. 2,102,415; Dec. 14.
Protective device for flexible conduits. G. J. Kopp. 2,102,010; Dec. 14.
Protector: *See*—
Cashier's protector.
Pump: *See*—
Centrifugal pump. Fluid operated pump.
Pump. M. J. Goldberg. 2,102,117; Dec. 14.
Pyroelectric tool. E. L. Meyer. 2,101,912; Dec. 14.
Rack for pool balls, Multiple. C. I. Holmes. 2,102,003; Dec. 14.
Radio circuits. K. Posthumus. 2,102,165; Dec. 14.
Radio receiving set. S. W. Seeley and G. Mountjoy. 2,102,168; Dec. 14.
Rail chuck for machine tools. T. A. Wettig. 2,101,926; Dec. 14.
Rail shift mechanism for line composing machines, Duplex. L. M. Potts. 2,102,127; Dec. 14.
Rake, Bull. A. R. Gunnerson. 2,102,068; Dec. 14.
Range with muffle-oven, Cooking. T. E. D. Bilde. 2,102,352; Dec. 14.
Razor, Safety. W. E. Burnett. 2,102,142; Dec. 14.
Razor, Safety. W. Myer. 2,102,278; Dec. 14.
Receiving apparatus for communication systems. W. P. Place. 2,102,435; Dec. 14.
Receptacle: *See*—
Heat insulated receptacle.
Receptacle holder. I. M. MacDonald. 2,102,083; Dec. 14.
Reel: *See*—
Ribbon reel.
Reel seat for fishing rod handles. J. K. Kinnear. 2,102,237; Dec. 14.
Refrigerant compressor, Sectional. E. J. Sallstad. 2,101,956; Dec. 14.
Refrigerant condenser cooler. L. M. Persons. 2,102,090; Dec. 14.
Refrigerant mixture and using the same. J. Fleischer. 2,101,993; Dec. 14.
Refrigerating apparatus. D. E. Maccabee. 2,102,015; Dec. 14.
Refrigerating apparatus. B. J. Vandoren. 2,102,171; Dec. 14.
Refrigerating machine. H. H. Bixler. 2,102,403; Dec. 14.
Refrigerating machine. C. Steenstrup. 2,102,390–1; Dec. 14.
Refrigeration. J. C. Chambers. 2,102,354; Dec. 14.
Refrigeration apparatus. M. C. Terry and T. A. Buckley. 2,101,881; Dec. 14.
Refrigeration control means and method. L. S. Chadwick and W. G. Midnight. 2,102,056; Dec. 14.
Register. B. E. Hovey. 2,102,533; Dec. 14.
Regulator: *See*—
Automatic regulator.
Regulator. J. L. Kimball. 2,102,007; Dec. 14.
Remote control system. F. M. Harris. 2,102,070; Dec. 14.
Resin and making same, Oil-soluble phenolic. J. B. Rust. 2,102,130; Dec. 14.
Resin, Synthetic. F. Lauter. 2,101,948; Dec. 14.
Resistor element. E. E. Arnold. 2,102,302; Dec. 14.
Respirator, Filter type. N. Schwartz. 2,102,037; Dec. 14.
Revolving sign. M. C. Treesh. 2,102,550; Dec. 14.
Ribbon reel. H. Wallace. 2,102,446; Dec. 14.
Ring for disk wheels, Ornamental. G. A. Lyon. 2,102,470; Dec. 14.
Ring for pneumatic tires, Safety. A. W. Woodward. 2,102,551; Dec. 14.
Ring welding appliance, Finger. C. Schatz. 2,102,546; Dec. 14.
Riveting machine. E. Turnquist. 2,101,924; Dec. 14.
Roasting, toasting, grilling, and cooking apparatus. A. Walterspiel. 2,101,967; Dec. 14.
Rock drill. W. J. McCallum. 2,101,864–5; Dec. 14.
Rod and making the same, Airplane control. J. Kylstra. 2,102,325; Dec. 14.
Roof, Car. C. D. Bonsall. 2,102,455; Dec. 14.
Roof, Car. W. P. Murphy. 2,102,276; Dec. 14.
Root crop digging device. W. Pannike. 2,102,213; Dec. 14.
Rotary fluid clutch. W. N. Eddins. 2,101,899; Dec. 14.
Rotary tool joint. F. J. Hinderliter. 2,102,072; Dec. 14.
Rubber articles, Making. V. H. Hurt. 2,101,907; Dec. 14.
Rubber articles, Treatment of. A. K. Brill and W. A. Wake. 2,102,456; Dec. 14.
Rubber composition, Making. R. R. Olin. 2,101,915; Dec. 14.
Safety device for wringers. E. C. Hill. 2,102,154; Dec. 14.
Safety feed knock-out. R. S. Brown. 2,102,567; Dec. 14.
Safety mechanism. J. Hoffman. 2,102,557; Dec. 14.
Saliva ejector. H. Grunewald. 2,102,263; Dec. 14.
Saw cylinder, Cotton extracting. O. Mitchell. 2,102,085; Dec. 14.
Screen: *See*—
Defrosting screen.
Screen material and process, Photographic half-tone. A. Murray. 2,102,021; Dec. 14.
Screening apparatus for liquids. A. C. Lind. 2,102,570; Dec. 14.
Scummer for settling tanks and the like. S. Shafer, Jr. 2,102,575; Dec. 14.
Sea walls, Method and apparatus for building. J. B. Brockhurst. 2,102,254; Dec. 14.
Seal. S. C. Leonard, Jr. 2,102,013; Dec. 14.
Seal, Automatic safety. G. D. Palmer. 2,102,088; Dec. 14.
Seamed articles and apparatus therefor, Making. J. P. Weis. 2,102,397; Dec. 14.
Seat: *See*—
Valve seat.
Seat back. E. J. Beck and W. B. Schroeder. 2,102,351; Dec. 14.
Seat support. W. S. Saunders and T. A. McGregor. 2,102,226; Dec. 14.
Seed gatherer attachment for mowing machines. J. A. Gaylord. 2,102,065; Dec. 14.

Self closing bag. C. Rose. 2,102,035; Dec. 14.
Sewage screenings and the like, Incineration of. W. Ralsch, J. C. Woodman, J. R. Buffington, and J. E. Morris. 2,102,543; Dec. 14.
Sewers and sewer basins and receptacles for use in sewer basins, Construction of. G. F. Egan. 2,102,310; Dec. 14.
Sewing machines, Differential feed device for. F. Ebert. 2,102,202; Dec. 14.
Shade attachment, Removable-decorative-window. A. Schwartz. 2,102,240; Dec. 14.
Shaker, Cocktail. B. de Montmorency. 2,102,520; Dec. 14.
Sharpener, Razor blade. W. A. Campbell. 2,102,509; Dec. 14.
Sheets, Method of and apparatus for transporting and registering. E. G. Rider. 2,102,033; Dec. 14.
Shells and casings, Producing etched surfaced. A. Nierenberg. 2,102,162; Dec. 14.
Shield, Glare. J. H. Fletcher. 2,101,901; Dec. 14.
Shim, Rail joint. A. F. Fifield. 2,101,900; Dec. 14.
Shoe and making same. E. Quinn. 2,102,333; Dec. 14.
Shoe lasts and the like, Method of and apparatus for displaying. R. P. Schwartz. 2,102,038; Dec. 14.
Shoulder strap. S. M. Crewdson. 2,102,062; Dec. 14.
Shutter trigger latch. A. Nagel. 2,102,376; Dec. 14.
Shutter, Window. F. Kalb, Sr. 2,102,156; Dec. 14.
Shuttle driving mechanism for looms. W. E. Burns and E. N. Miller. 2,101,981; Dec. 14.
Sidetracking tool. W. Brauer. 2,102,055; Dec. 14.
Sign: *See*—
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Signal for firearms, Safety. R. B. Conniffe. 2,102,195; Dec. 14.
Signal for milking machines, Audible. P. H. J. Martin. 2,102,275; Dec. 14.
Signaling apparatus, Mounting submarine. W. Kunze. 2,101,850; Dec. 14.
Signaling means for vehicles. R. L. Smith. 2,102,288; Dec. 14.
Signaling, Railway. J. J. Vanhorn. 2,102,445; Dec. 14.
Silicate insulating material. H. M. Williams. 2,101,969; Dec. 14.
Slicing machine. W. C. McNitt. 2,102,475; Dec. 14.
Sludge ejector, Rock drill. A. H. Skaer. 2,102,576; Dec. 14.
Sluice gate, Double walled. T. Becher. 2,101,973; Dec. 14.
Smoker's accessory. R. T. Booth. 2,102,565; Dec. 14.
Socket, Lamp. G. A. Johnson. 2,102,465; Dec. 14.
Sodium, Manufacturing metallic. R. Hara and S. Abe. 2,102,151; Dec. 14.
Soil conditioner, Producing a slag. L. C. Henkel. 2,102,119; Dec. 14.
Soldering machine. M. G. Boerger. 2,101,929; Dec. 14.
Solitaire contract bridge, Device for use in playing. C. H. Richardson. 2,102,220; Dec. 14.
Sound recording system. D. Canady. 2,102,194; Dec. 14.
Sound reproducing apparatus. H. F. Olson. 2,102,212; Dec. 14.
Spectacle case. J. T. Rakanskas. 2,102,218; Dec. 14.
Speed controller for hydraulic motors. J. K. Douglas. 2,102,177; Dec. 14.
Speed mechanism, Change. F. Schmid. 2,102,131; Dec. 14.
Speed reducer and other transmission. G. H. Fraser. 2,101,844; Dec. 14.
Spinning solution. W. Whitehead. 2,101,886; Dec. 14.
Splint, Cervical. P. W. Hanicke. 2,102,069; Dec. 14.
Splint, Fracture. R. Anderson. 2,101,889; Dec. 14.
Spray gun valve. S. Bramsen and F. Wahlin. 2,102,303; Dec. 14.
Spray head. H. A. Roselund. 2,102,382; Dec. 14.
Spray residue and other accumulations from fruit and the like, Removing. P. Van Wyk. 2,102,340; Dec. 14.
Spraying apparatus. L. Stoesling. 2,101,922; Dec. 14.
Spring cover. G. W. Crabtree. 2,102,061; Dec. 14.
Stabilizer for guns. S. G. Green. 2,101,848; Dec. 14.
Static tube sleeve. A. W. Knisley. 2,101,858; Dec. 14.
Steering gear. B. W. Twyman. 2,102,296; Dec. 14.
Steel, Alloy. B. D. Saklatwalla. 2,102,283; Dec. 14.
Steel, Making rimmed. R. E. Zimmerman and C. D. King. 2,102,502; Dec. 14.
Steering means. B. Chance. 2,102,513; Dec. 14.
Steering means, Automatic. B. Chance. 2,102,511–12; Dec. 14.
Stencil. J. C. Smith. 2,102,228; Dec. 14.
Stencil, Addressing. N. D. Luckie. 2,101,949; Dec. 14.
Stock take-off machine, Automatic. W. W. Benner and F. Leopold, Jr. 2,102,453; Dec. 14.
Stocking. C. C. Foster. 2,102,064; Dec. 14.
Stocking, Arch-supporting. E. J. Martel. 2,102,368; Dec. 14.
Stocking, Garter. E. J. Martel. 2,102,369; Dec. 14.
Stool, Chiropodist's. H. C. Fotre. 2,102,261; Dec. 14.
Storm sash ventilator. W. C. Hansen and H. J. Goelzer. 2,101,941; Dec. 14.
Stove. B. B. Kahn. 2,102,536; Dec. 14.
Stove, Cook. W. D. Harvey and A. P. Chester. 2,102,459; Dec. 14.
Stovepipe collar and anchor. A. Upton. 2,102,330; Dec. 14.
Straight edge, Parallel. L. H. Klitsche. 2,102,008; Dec. 14.
Strap: *See*—
Shoulder strap.
Strap hanger, Advertising. A. G. Sirera. 2,102,488; Dec. 14.
Straw product and treatment thereof. W. Whitehead. 2,101,885; Dec. 14.
Strip, Method and apparatus for rolling metallic. J. E. Montgomery and J. T. Flaherty. 2,102,184; Dec. 14.
Strip, Sealing. G. W. Gall. 2,102,578; Dec. 14.
Sucrose, Nitrating. J. A. Wyler. 2,101,927; Dec. 14.
Suit, Bathing. T. R. Kugler. 2,102,363; Dec. 14.
Sulphur dioxide to elemental sulphur by means of carbon, Reduction of. R. Lepsoe. 2,102,081; Dec. 14.
Superheterodyne receiver. J. J. Yolles. 2,102,401; Dec. 14.
Support: *See*—
Baby support. Seat support.
Support. W. La Hodny. 2,102,012; Dec. 14.
Support device. G. W. Kemp. 2,102,078; Dec. 14.
Support for lamps. M. Lager. 2,102,422; Dec. 14.
Support with resilient grip heads, Uniform arc, compensating chord conductor. A. O. Austin. 2,102,232; Dec. 14.
Supporter, Book. L. Zocchi. 2,101,972; Dec. 14.
Surgical lamp. A. A. Overbury. 2,102,023; Dec. 14.
Switch: *See*—
Electric switch. Fuse switch.
Switch for electric bulbs, Time controlled electric. A. Weiss. 2,102,240; Dec. 14.
Swivel pipe joint. C. H. Giberson. 2,101,937; Dec. 14.
Swivel pipe joint, Lubricated. C. H. Giberson. 2,101,938; Dec. 14.
Syringe for cold-hot water supply. H. Cleveland. 2,102,111; Dec. 14.
Table: *See*—
Combination table.
Table tops and other articles of furniture or equipment, Manufacture of. V. Gerstenberg. 2,101,996; Dec. 14.
Teeth for stone saws, Making abrasive. G. W. Chormann and H. J. Cowie. 2,102,305; Dec. 14.
Telegraph switching system. L. A. Gardner and F. J. Singer. 2,101,995; Dec. 14.
Telephone system. H. Hovland. 2,102,155; Dec. 14.
Telephone system. A. B. Sperry. 2,102,137; Dec. 14.
Television system. O. B. Blackwell and J. Herman. 2,101,976; Dec. 14.
Television system. R. L. Campbell. 2,102,256; Dec. 14.
Television system. A. W. Vance. 2,102,139; Dec. 14.
Temperature control system for railway cars. E. A. Russell and D. W. Miller. 2,102,225; Dec. 14.
Tension compensator for winding machines. L. Bruggemann. 2,102,109; Dec. 14.
Tenter clip. J. E. Peterson. 2,102,026; Dec. 14.
Thermal insulation. F. A. Biederman. 2,102,233; Dec. 14.
Thermometer. R. C. Wappner. 2,102,172; Dec. 14.
Thermostat. J. D. Durant. 2,102,201; Dec. 14.
Throttle, Automatic. F. J. Irving. 2,102,271; Dec. 14.
Thrust bearing. H. A. S. Howarth. 2,102,534; Dec. 14.
Tile and concrete staves, Manufacturing composite vitreous. P. C. Fish. 2,101,992; Dec. 14.
Timing device for electrically controlled apparatus. B. E. Mills. 2,102,372; Dec. 14.
Tire cover. G. A. Lyon. 2,102,469; Dec. 14.
Tobacco hanger. A. Newfield. 2,102,479; Dec. 14.
Tool: *See*—
Abrading tool. Metal forming tool.
Cutting tool. Pyroelectric tool.
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Diffraction grating tool.
Tool carrier. R. L. Connell. 2,102,515; Dec. 14.
Tool for removing staples. W. G. Pankonin. 2,102,087; Dec. 14.
Tool retainer for portable power driven tools. J. F. Haas. 2,102,264; Dec. 14.
Torch, Automatic blast. S. C. Brody. 2,102,404; Dec. 14.
Tower with lift for people in parks, exhibitions, and the like, Lattice. M. Eichelgrün. 2,102,522; Dec. 14.
Toy. J. S. Richards. 2,102,335; Dec. 14.
Tractor lister cultivator. W. S. Graham. 2,102,262; Dec. 14.
Transmission, Speed reducer and other. G. H. Fraser. 2,101,845; Dec. 14.
Transmission system. M. E. Strieby. 2,102,138; Dec. 14.
Trap: *See*—
Grease trap.
Trap for animals. I. A. Shanton. 2,102,563; Dec. 14.
Trolley yoke. C. H. McInnis. 2,101,951; Dec. 14.
Truck and conveyer, Combination. C. A. Nesseth. 2,102,432; Dec. 14.
Truck, Railway. D. L. Townsend. 2,102,102; Dec. 14.
Trunks, Swimming. A. R. Knelbler. 2,102,323; Dec. 14.
Tube: *See*—
Electron discharge tube.
Tuning meter. G. L. Beers. 2,101,891; Dec. 14.

Twine controlling and cutting device. H. Geroux. 2,102,360; Dec. 14.
Typewriting machine. F. M. Guilfoyle. 2,102,526; Dec. 14.
Universal joint controlled clutch. W. J. Coultas. 2,101,897; Dec. 14.
Utility hanger. G. Coggiola. 2,102,405; Dec. 14.
Vaccines and manufacturing vaccines. M. Dorset. 2,102,235; Dec. 14.
Vacuum cleaner. C. A. Brock. 2,102,353; Dec. 14.
Vacuum cleaner. F. Riebel, Jr., and D. M. Dow. 2,102,221; Dec. 14.
Valve: *See*—
Direct flow check valve. Plug valve.
Mixing valve. Spray gun valve.
Valve. L. H. Roller. 2,102,034; Dec. 14.
Valve. A. B. Webb. 2,101,925; Dec. 14.
Valve apparatus, Flush tank. W. H. Finley and C. H. Hamilton. 2,101,991; Dec. 14.
Valve control. R. W. Johnson. 2,102,076; Dec. 14.
Valve for controlling plastic concrete mixtures. J. C. Merwin and R. F. Lindow. 2,102,571; Dec. 14.
Valve mechanism. A. C. Staley. 2,102,389; Dec. 14.
Valve mechanism, Electrically controlled. O. W. Fisher and R. E. Walter. 2,102,311; Dec. 14.
Valve seat. W. A. Wissler. 2,101,970; Dec. 14.
Valve tappets, Making. A. S. Plater. 2,101,917; Dec. 14.
Vanity and cigarette case, Combination. C. J. Hannings. 2,102,414; Dec. 14.
Varnishes, Preparing oil. A. Chwala, E. Waldmann, and A. Martina. 2,102,307; Dec. 14.
Vehicle body. J. F. Burkey. 2,102,110; Dec. 14.
Vehicle, Motor. J. C. Zeder. 2,102,402; Dec. 14.
Vehicle suspension system. A. W. Kogstrom. 2,102,420; Dec. 14.
Vehicle wheel. C. R. Stough. 2,101,923; Dec. 14.
Velocity measuring device. W. van B. Roberts. 2,102,166; Dec. 14.
Ventilator: *See*—
Storm sash ventilator.
Verifying machine. O. L. Cleven. 2,102,577; Dec. 14.
Vessels, Methods and apparatus for making double-walled glass. J. Dichter. 2,102,357; Dec. 14.
Vestment, Clerical. L. and G. Dickman. 2,102,198; Dec. 14.
Vibration reducing means. W. Noble. 2,101,869; Dec. 14.
Vibratory contact device. E. C. Guedon. 2,101,902; Dec. 14.
Vision, Investigating, correcting, and developing the power of human. R. B. Simpkins. 2,102,490; Dec. 14.
Wagon. E. W. Vessey. 2,101,882; Dec. 14.
Warp beams, Manufacture of. F. Mossberg. 2,102,020; Dec. 14.
Washer: *See*—
Lock washer.
Water, Automatic apparatus for determining the hardness of. C. M. Roy. 2,102,282; Dec. 14.
Water, Method of and apparatus for treating. C. E. Joos and G. H. Gibson. 2,101,908; Dec. 14.
Water softening compound. S. A. Raymond. 2,102,219; Dec. 14.
Water, Treatment of. K. Slidell. 2,101,961; Dec. 14.
Water tube boiler. A. O. Blatchford. 2,101,892; Dec. 14.
Weather strip. C. A. Tea. 2,102,392–3; Dec. 14.
Weed burning eradicator, Portable. G. Skarphol. 2,102,100; Dec. 14.
Welding apparatus. C. W. Hines. 2,101,856; Dec. 14.
Well surveying device. M. M. Kinley. 2,102,080; Dec. 14.
Wells, Method of drilling. J. G. Dyer. 2,102,555; Dec. 14.
Wheel: *See*—
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Wheel and cover plate, Vehicle. G. A. Lyon. 2,102,471; Dec. 14.
Wheel cooling apparatus. G. McCormick. 2,102,181; Dec. 14.
Wheel repairing mechanism. H. C. Schildmeier. 2,102,439; Dec. 14.
Whipping apparatus. L. D. Mink. 2,102,125; Dec. 14.
Window construction. S. E. Smith. 2,102,491; Dec. 14.
Window, Releasable. W. Zeeb, J. T. Dammes, and A. C. Morris. 2,102,250; Dec. 14.
Windshield. W. Leveau. 2,102,123; Dec. 14.
Windshield, Clear-vision antiglare. W. Bennett. 2,102,454; Dec. 14.
Wiper, Windshield. D. Hoppenstand, Jr. 2,102,268; Dec. 14.
Wiper, Windshield. M. Romano. 2,102,188; Dec. 14.
Wire cutting machine. M. W. Lewis and C. B. Jones. 2,101,860; Dec. 14.
Wire line twister. J. A. Smethers. 2,102,287; Dec. 14.
Wire seam. O. A. Abendroth. 2,102,300; Dec. 14.
Wire, Tire. F. C. Elder. 2,102,358; Dec. 14.
Wood planing machine. F. A. Nicholson and W. T. Pritchard. 2,102,186; Dec. 14.
Wrapped article. H. H. Replogle and S. N. Dalton. 2,102,128; Dec. 14.
Wringer head. J. L. Perkins. 2,101,872–3; Dec. 14.
X-ray apparatus. H. D. Garretson. 2,102,146; Dec. 14.
Yarn carrier control mechanism. C. F. Meyer. 2,102,562; Dec. 14.
Yarns, Manufacturing. W. Hollerung. 2,101,943; Dec. 14.
Zirconium silicates, Coherent porous. C. J. Kinzie. 2,101,947; Dec. 14.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 14, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acushnet Process Company, Acushnet, New Bedford, Mass. Golf balls. Serial No. 399,217; Dec. 21. Class 22.

Alligator Company, The, St. Louis, Mo. Gabardine raincoats and street coats, sport jackets and sport coats. Serial No. 398,602; Dec. 21. Class 39.

American Pop Corn Company, Sioux City, Iowa, doing business as National Pop Corn Company, Lima, Ohio. Pop corn. Serial No. 397,167; Dec. 21. Class 46.

American Spectacle Co., Inc., New York, N. Y. Goggles and spectacles. Serial No. 397,744; Dec. 21. Class 26.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. Serial No. 398,552; Dec. 21. Class 46.

Anderson Die Casting and Engineering Corporation, Los Angeles, Calif. Metal Venetian blind tilts, cord stops. Serial No. 395,183; Dec. 21. Class 13.

Associated Spring Corporation, Bristol, Conn. Hair springs for time pieces. Serial No. 399,120; Dec. 21. Class 27.

Baker & Company, Inc., Newark, N. J. Reversible colloid for taking dental and surgical impressions. Serial No. 398,702; Dec. 21. Class 44.

Bamberger, L., & Co., Newark, N. J. Whiskey, cordials, brandy, etc. Serial No. 399,162; Dec. 21. Class 49.

Barber, L. B., doing business as Vivian Manufacturing Company, St. Louis, Mo. Ice delivery bags and crushed ice baskets, ice cube cartons, and pails. Serial No. 398,343; Dec. 21. Class 2.

Battle Creek Equipment Company, Battle Creek, Mich. Short wave and ultra-short wave therapeutic apparatus. Serial No. 398,885; Dec. 21. Class 44.

Becharas Bros. Coffee Company, Detroit, Mich. Coffee and tea. Serial No. 388,972; Dec. 21. Class 46.

Belle, Emil A., doing business as Belle Distributing Company, Syracuse, N. Y. Mayonnaise and salad dressing. Serial No. 392,786; Dec. 21. Class 46.

Best, John H., & Sons, Inc., Galva, Ill. Water well pumps, pump jacks, cylinders, etc. Serial No. 396,907; Dec. 21. Class 23.

Bittner Corporation, The, New York, N. Y. Rubber appliances. Serial No. 398,661; Dec. 21. Class 44.

Blue Bar Coconut Company, Manila, P. I. Coconut, coconut flour, and coconut syrup. Serial No. 394,425; Dec. 21. Class 46.

Bolinders, S. G., Motor Aktiebolag, Stockholm, Stockholm, Sweden. Internal combustion engines and parts of and accessories for the same. Serial No. 394,929; Dec. 21. Class 23.

Born, M., & Company, Chicago, Ill. Suits, coats, trousers, and dresses. Serial No. 398,191; Dec. 21. Class 39.

Brand & Oppenheimer, Inc., New York, N. Y. Suiting fabrics of rayon and silk. Serial No. 398,386; Dec. 21. Class 42.

Caal Laboratories, Inc., Detroit, Mich. Solution for treating epidermophytosis and other types of local dermatitis. Serial No. 397,496; Dec. 21. Class 6.

Carobronze Röhrenwerk Gesellschaft m. b. H., Vienna, Austria. Machinery bearings, cog or gear wheels, bearing bushings, etc. Serial No. 384,507; Dec. 21. Class 23.

Carpinteria Mutual Citrus Association, Carpinteria, Calif. Lemons. Serial No. 398,612; Dec. 21. Class 46.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Powder for the external treatment of skin diseases. Serial No. 398,515; Dec. 21. Class 6.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal ointments. Serial No. 398,517; Dec. 21. Class 6.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal composition. Serial No. 398,519; Dec. 21. Class 6.

Cauchois, Félix J., Hussigny-Godbrange, Meurthe-et-Moselle, France. Medicinal ointments. Serial Nos. 398,521–2; Dec. 21. Class 6.

Celanese Corporation of America, New York, N. Y. Underwear and sport shirts. Serial No. 398,808; Dec. 21. Class 39.

Chappel Bros., Inc., Rockford, Ill. Pharmaceutical preparation. Serial No. 398,390; Dec. 21. Class 6.

Chemical & Pigment Company, The. (See Glidden Company, The.)

Club Razor & Blade Manufacturing Corporation, Newark, N. J. Razor blades. Serial No. 398,755; Dec. 21. Class 23.

Colonial Stove Company, Philadelphia, Pa. Sink enclosures. Serial No. 398,460; Dec. 21. Class 13.

Colonial Stove Company, Philadelphia, Pa. Pipe coupling. 398,667; Dec. 21. Class 13.

Colton Razor Blade Company, Boston, Mass. Safety razor blades. Serial No. 396,448; Dec. 21. Class 23.

Comex Trading Co., Inc., New York, N. Y. Wines. Serial No. 397,023; Dec. 21. Class 47.

Consolidated Paper Co., Inc., Brooklyn, N. Y. Paper napkins and paper towels. Serial No. 385,343; Dec. 21. Class 37.

Cooper Hose Jacket Company. (See Myers, Florence B.)

Coronet Radio Corporation, Chicago, Ill. Radio receiving sets. Serial No. 396,430; Dec. 21. Class 21.

Crown Pearl and Gem, Inc., New York, N. Y. Diamond cut semi-precious stones. Serial No. 393,702; Dec. 21. Class 28.

Debutante Frocks Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 398,151; Dec. 21. Class 39.

Dick, A. B., Company, Chicago, Ill. Sensitized photographic film and sensitized photographic paper. Serial No. 398,715; Dec. 21. Class 26.

Dick, A. B., Company, Chicago, Ill. Chemical photographic developer and chemical photographic fixing materials for use in the preparation of stencils. Serial No. 398,762; Dec. 21. Class 6.

Douglas, John, Company, The, Cincinnati, Ohio. Lavatory flush bowls and slop sinks. Serial No. 357,809; Dec. 21. Class 13.

Dye-Col Products, Inc., New York, N. Y. Fungicides. Serial No. 398,569; Dec. 21. Class 6.

Eff Laboratories, Inc., Cleveland, Ohio. Concentrates and preparations rich in vitamin activity for use in foods. Serial No. 397,800; Dec. 21. Class 6.

Engelking, H. W., Milwaukee, Wis. Pork sausage seasoning. Serial No. 399,181; Dec. 21. Class 46.

Enns Milling Co., The, Inman, Kans. Wheat flour. Serial No. 398,616; Dec. 21. Class 46.

Eureka Feed Mills. (See Wilson, John M.)

Finger Lakes and Hudson Flour Mills, Inc., Troy and Geneva, N. Y. Rye flours. Serial No. 393,270; Dec. 21. Class 46.

Fleming Manufacturing Company, East Providence, R. I. Oil filters and parts. Serial No. 398,843; Dec. 21. Class 23.

Fourco Glass Company, Clarksburg, W. Va. Sheet glass, flat glass, plate glass, etc. Serial No. 398,570; Dec. 21. Class 33.

Frankel, Jacob W., doing business as The Minimax Co., Chicago, Ill. X-ray films. Serial No. 397,706; Dec. 21. Class 26.

Franklin Sugar Refining Company, The, Philadelphia, Pa. Sugar. Serial No. 398,469; Dec. 21. Class 46.

Friedman, Morris, Clothing Co., Inc., New York, N. Y. Suits, topcoats, and overcoats. Serial No. 393,831; Dec. 21. Class 39.

Fulton, Nell L., New York, N. Y. Metal coin holders. Serial Nos. 398,845–7; Dec. 21. Class 2.

Gaunt, Alfred C., Methuen, Mass. Suits and coats. Serial No. 398,043; Dec. 21. Class 39.

General Motors Corporation, Detroit, Mich. Electric motors, dynamo electric motors, radio receiving sets, etc. Serial No. 396,362; Dec. 21. Class 21.

General Refrigeration Corporation, Beloit, Wis. Condensers. Serial No. 391,064; Dec. 21. Class 23.

General Tire & Rubber Company, The, Akron, Ohio. Hand operated dial indicators. Serial No. 379,475; Dec. 21. Class 26.

Gernsback, Hugo, New York, N. Y. Publication. Serial No. 398,768; Dec. 21. Class 38.

Glidden Company, The, doing business as The Chemical & Pigment Company, Cleveland, Ohio. Chemicals. Serial No. 392,025; Dec. 21. Class 6.

Globe Photo, Inc., Greenville, S. C. Photographic prints. Serial No. 398,724; Dec. 21. Class 38.

Green, Richard A., doing business as Green Medicine Co., Shreveport, La. Dog medicine for distemper. Serial No. 398,434; Dec. 21. Class 6.

Greenspoon Clothing Co., Inc., St. Louis, Mo. Topcoats and overcoats. Serial No. 397,931; Dec. 21. Class 39.

Hacienda Flores, Inc., Fort Lauderdale, Fla. Fresh citrus fruits, avocados, papayas, etc. Serial No. 398,314; Dec. 21. Class 46.

Harris, H., Company, The, St. Paul, Minn. Sport jackets. Serial No. 397,458; Dec. 21. Class 39.

Harris, Raymond E., Los Angeles, Calif. Perfumes. Serial No. 398,397; Dec. 21. Class 6.

Hartley, Leslie. (See Wassell, Louise H.)

Hartmann, Inc., Garfield, N. J. Laces and embroidered fabrics. Serial No. 397,430; Dec. 21. Class 42.

Hawthorne Paper Company, Kalamazoo, Mich. Writing paper, ledger paper, record paper, etc. Serial No. 398,315; Dec. 21. Class 37.

Helburn, Willard, Inc., Salem, Mass. Leather. Serial No. 398,901; Dec. 21. Class 1.

Hopkins, J. L., & Co., New York, N. Y. Preparation used in the production of syrup cocillana compound. Serial No. 398,773; Dec. 21. Class 6.

Hydrox Corporation, Chicago, Ill. Sparkling lithiated lemon soda water. Serial No. 397,578; Dec. 21. Class 45.

Hygienic Products Company, The, Canton, Ohio. Chemical preparation used as a laundry cleaner; a stain remover; etc. Serial No. 390,959; Dec. 21. Class 6.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

International Cellucotton Products Company, Chicago, Ill. Toilet tissue. Serial No. 399,045; Dec. 21. Class 37.

International Radio Corporation, Ann Arbor, Mich. Cabinets. Serial No. 398,109; Dec. 21. Class 32.

Kem Manufacturing Co., Inc., New York, N. Y. Starting, lighting, and ignition parts for automobiles. Serial No. 395,479; Dec. 21. Class 21.

Laboratory Products, Memphis, Tenn. Tonic shampoo for dandruff, etc. Serial No. 398,815; Dec. 21. Class 6.

Laboratory Products, Memphis, Tenn. Tonic shampoo for mange and skin disorders of dogs and other animals, and for killing fleas. Serial No. 398,816; Dec. 21. Class 6.

Leggett, Francia H., & Company, New York, N. Y. Canned salmon. Serial No. 399,145; Dec. 21. Class 46.

Leroux & Co., Inc., Philadelphia, Pa. Ginger flavored brandy. Serial No. 399,049; Dec. 21. Class 49.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial Nos. 398,777–9; Dec. 21. Class 46.

Lubrication Corporation, The, Chicago, Ill. Air-operated vacuum cleaners. Serial No. 398,010; Dec. 21. Class 23.

Macy, R. H., & Co., Inc., New York, N. Y. Aspirin, bath salts, cold cream, etc. Serial No. 398,731; Dec. 21. Class 6.

Manna-Miracle Company. (See Rhea, Roy.)

Margolin, H., & Co. Inc., New York, N. Y. Pocketbooks, purses, wallets, etc. Serial No. 394,769; Dec. 21. Class 3.

Marshall-Wells Company, Duluth, Minn. Electric ranges. Serial No. 398,780; Dec. 21. Class 21.

Mayo Brothers Chemical Corporation, Jackson, Miss. Mouth-wash preparation. Serial No. 398,210; Dec. 21. Class 6.

McCall, Frank, Los Angeles, Calif. Electric lamps. Serial No. 397,856; Dec. 21. Class 21.

McCrory Stores Corporation, New York, N. Y. Writing paper, writing pads, and envelopes. Serial No. 397,339; Dec. 21. Class 37.

McKesson, Martha F., doing business as McKesson Appliance Company, Toledo, Ohio. Gas administering apparatus and parts thereof. Serial No. 399,310; Dec. 21. Class 44.

Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machines and sewing machine parts and attachments. Serial No. 399,061; Dec. 21. Class 23.

Minimax Co., The. (See Franked, Jacob W.)

MixOmint Corporation, Vicksburg, Miss. Maltless beverages. Serial No. 399,149; Dec. 21. Class 45.

Moisture Proof Fabrics, Inc., New York, N. Y. Waterproof fabrics. Serial No. 392,547; Dec. 21. Class 50.

Molinard, Inc., New York, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 396,502; Dec. 21. Class 6.

Munsey, Frank A., Company, The, New York, N. Y. Magazine. Serial No. 399,053; Dec. 21. Class 38.

Myer, Milton D., Pittsburgh, Pa. Safety razor blades. Serial No. 392,403; Dec. 21. Class 23.

Myers, Florence B., doing business as Cooper Hose Jacket Company, Los Angeles, Calif., and Minneapolis, Minn. Metal emergency hose leak stops and coupling sleeves. Serial No. 394,854; Dec. 21. Class 13.

National Fabrics Corporation, New York, N. Y. Textile fabrics. Serial No. 398,483; Dec. 21. Class 42.

National Pop Corn Company. (See American Pop Corn Company.)

New England Confectionery Company, Cambridge, Mass. Candy bars. Serial No. 398,484; Dec. 21. Class 46.

Orthodontists Supply Co. Inc., The, Newark, N. J. Orthodontic and dental devices, materials, and supplies. Serial No. 399,279; Dec. 21. Class 44.

Parke, Davis & Company, Detroit, Mich. Preparation of plantago with vitamin B. Serial No. 398,128; Dec. 21. Class 6.

Penn Electric Switch Co., Goshen, Ind. Control clocks. Serial No. 397,721; Dec. 21. Class 26.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Hosiery. Serial Nos. 398,589–91; Dec. 21. Class 39.

Pennsylvania Rubber Company of America, The, Jeannette, Pa. Pneumatic vehicle tires. Serial No. 398,930; Dec. 21. Class 35.

Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Meters for the measurement of water, oils, and greases. Serial No. 397,722; Dec. 21. Class 26.

Pyle-National Company, The, Chicago, Ill. Electrical conduit fittings. Serial No. 396,933; Dec. 21. Class 21.

Ray-Fair Company, The. (See Viault, Mary.)

Rhea, Roy, doing business as Manna-Miracle Company, Pittsburgh, Pa. Special health compound in the form of bread. Serial No. 397,455; Dec. 21. Class 46.

Rhinelander Paper Company, Rhinelander, Wis. Laminated glassine paper. Serial No. 398,938; Dec. 21. Class 37.

Rice Growers Association of California, doing business as Rice Growers Assn., Sacramento, Calif. Rice. Serial No. 394,554; Dec. 21. Class 46.

Ridge Tool Company, The, North Ridgeville, Ohio. Pipe wrenches. Serial No. 396,044; Dec. 21. Class 23.

Robins, A. H., Company, Inc., Richmond, Va. Medicinal preparation. Serial No. 398,825; Dec. 21. Class 6.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Desks. Serial No. 397,771; Dec. 21. Class 32.

Rodgers, C. O., Detroit, Mich. Non-alcoholic beverage base flavors. Serial No. 397,588; Dec. 21. Class 45.

Rose Lane Garment Co., Inc., New York, N. Y. Dresses, suits, uniforms, etc. Serial No. 398,793; Dec. 21. Class 39.

Rosenstein & Thaler, Inc., New York, N. Y. Dresses and frocks for children. Serial No. 397,637; Dec. 21. Class 39.

Royce Chemical Company, Carlton Hill, N. J. Chemicals. Serial No. 398,262; Dec. 21. Class 6.

Ryco Company, The, Waycross, Ga. Painless eye water. Serial No. 398,827; Dec. 21. Class 6.

Schafer Company, The, Decatur, Ind. Harness, bridles, lines, etc. Serial No. 393,233; Dec. 21. Class 3.

Secret Hygienic Laboratories, Chicago, Ill. Tampons. Serial No. 399,375; Dec. 21. Class 44.

Sharon Steel Corporation, Sharon, Pa. Strip steel, hoop and band steel, etc. Serial No. 390,562; Dec. 21. Class 14.

Société à Responsabilité Limitée Charles Heidsieck, Reims, France. Champagne wine. Serial No. 393,876; Dec. 21. Class 47.

Sophia Company, Inc., New York, N. Y. Hair tonic. Serial No. 392,615; Dec. 21. Class 6.

Southport Petroleum Company, Kilgore, Tex. Lubricating oil. Serial No. 398,941; Dec. 21. Class 15.

Spaulding-Moss Company, Boston, Mass. Sensitized blue print paper and cloth, sensitized Van Dyke paper and cloth, sensitized direct positive paper and cloth, etc. Serial No. 395,772; Dec. 21. Class 26.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 398,862; Dec. 21. Class 6.

Steel Stamping Company, The, Lorain, Ohio. Toy telephones. Serial No. 398,596; Dec. 21. Class 22.

Stevens & Thompson Paper Company, New York, N. Y. Toilet paper. Serial No. 399,017; Dec. 21. Class 37.

Stronach Paper Company, Rochester, Mich. Corrugated sheets of molded paper pulp. Serial No. 397,779; Dec. 21. Class 37.

Super Sagless Spring Corp., Jersey City, N. J. Auxiliary supports for upholstered furniture. Serial No. 396,049; Dec. 21. Class 32.

Timken-Detroit Axle Company, The, Detroit, Mich. Oil burners. Serial No. 397,202; Dec. 21. Class 34.

Tiny-Town Togs, Inc., New York, N. Y. Beach dresses, beach robes, sport dresses, and suits, etc. Serial No. 397,823; Dec. 21. Class 39.

Tom's Auto Service, Inc., Washington, D. C. Used or second hand automobiles. Serial No. 397,780; Dec. 21. Class 19.

Town Fabrics, Inc., New York, N. Y. Piece goods. Serial No. 397,559; Dec. 21. Class 42.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Knitting yarns. Serial No. 391,978; Dec. 21. Class 43.

Underwood Elliott Fisher Company, New York, N. Y. Typewriters. Serial No. 398,796; Dec. 21. Class 23.

United States Electric Mfg. Corporation, New York, N. Y. Flash-lights. Serial No. 398,945; Dec. 21. Class 21.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Parlor game. Serial No. 399,115; Dec. 21. Class 22.

United States Rubber Products, Inc., New York, N. Y. Composition packing. Serial No. 398,024; Dec. 21. Class 35.

Viault, Mary, doing business as The Ray-Fair Company, New York, N. Y. Baseball game. Serial No. 396,847; Dec. 21. Class 22.

Vivian Manufacturing Company. (See Barber, L. B.)

Warwick Chemical Company, West Warwick, R. I. Softening agent for textiles. Serial No. 398,136; Dec. 21. Class 6.

Wassell, Louise H., doing business as Leslie Hartley, Washington, D. C. Feature articles for newspapers, etc. Serial No. 398,550; Dec. 21. Class 38.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stokers and stoker parts, steam condensers, etc. Serial No. 393,155; Dec. 21. Class 34.

Wilson, John M., doing business as Eureka Feed Mills, Meridian, Miss. Horse and mule feed. Serial No. 398,511; Dec. 21. Class 46.

Wood, John H., Company, Philadelphia, Pa. Tooth and gum washes. Serial No. 393,193; Dec. 21. Class 6.

Wood, Lyndon D., Chicago, Ill. Hops emulsion. Serial No. 398,649; Dec. 21. Class 48.

Wright Company, The, Philadelphia, Pa. Fertilizers and artificial soil. Serial No. 397,890; Dec. 21. Class 10.

LIST OF REGISTRANTS OF TRADE-MARKS

A/S Einar Hausvik & Co., Bergen, Norway. Canned sardines. 352,959; Dec. 21; Serial No. 392,276; published Sept. 7, 1937. Class 46.

Alaska Salmon Company, San Francisco, Calif. Canned fish. 353,064; Dec. 21. Class 46.

Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Children's clothing. 353,000; Dec. 21; Serial No. 395,390; published Oct. 12, 1937. Class 39.

Altmann, Bernhard, Vienna, Austria. Wearing apparel. 352,957; Dec. 21; Serial No. 390,884; published Oct. 12, 1937. Class 39.

American Distilling Company, The, Pekin, Ill. Corn distillers' dried grains used as a feed for animals. 352,995; Dec. 21; Serial No. 394,965; published Oct. 12, 1937. Class 46.

Arakelian, K., Inc., Madera, Calif. Wines. 353,031; Dec. 21; Serial No. 396,381; published Oct. 12, 1937. Class 47.

Arlington Chemical Co., The, assignor to The Arlington Chemical Company, Yonkers, N. Y. Medicinal preparations. 119,489; renewed Nov. 27, 1937.

Armour and Company of Delaware. (See Morris & Company, assignor.)

Armour and Company, Chicago, Ill. Oleomargarin. 120,316; renewed Feb. 5, 1938.

Augusta Canning Company. (See Baxter, H. C., & Bro.)

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 353,061–3; Dec. 21. Class 17.

Baxter, H. C., & Bro., doing business as H. C. Baxter Bros. Co., Baxter Bros Co. Snowflake Canning Company, Augusta Canning Company, Brunswick, Maine. Canned vegetables. 352,946; Dec. 21; Serial No. 360,088; published Oct. 12, 1937. Class 46.

Bayer, Pretzfelder & Mills, Inc. (See Strasburger, Byron L., assignor.)

Belding Heminway Company. (See Brainerd and Armstrong Co., The.)

Ben-Burk, Inc., Boston, Mass. Whiskey. 353,049; Dec. 21; Serial No. 397,020; published Oct. 12, 1937. Class 49.

Bliss, Elmer J., Boston, Mass., assignor to Regal Shoe Company, New York, N. Y. Gages and size-sticks for fitting shoes. 121,250; renewed Apr. 23, 1938.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 353,051; Dec. 21. Class 42.

Bon Marche, The. (See Allied Stores Corporation.)

Boynton & Company, Chicago, Ill. Advertising display stands, bases, standards, etc., for lamps, etc. 352,997; Dec. 21; Serial No. 395,264; published Oct. 12, 1937. Class 32.

Brafman-Berzon, Inc., New York, N. Y. Clothing. 353,014; Dec. 21; Serial No. 395,808; published Oct. 12, 1937. Class 39.

Brainerd and Armstrong Co., The, New London, Conn., to Belding Heminway Company, New York, N. Y., successor. Silk fabrics in the piece. 114,620; renewed Dec. 26, 1936.

Brandon, Magnus & Leon Inc., assignor to S. W. Magnus Handkerchief Co., Inc., New York, N. Y. Handkerchiefs. 118,948; renewed Oct. 16, 1937.

Bryant Electric Company, The, Bridgeport, Conn. Electrical apparatus, machines, and supplies. 121,585–6; renewed May 14, 1938.

Burke & James, Inc., Chicago, Ill. Cameras, photo enlargers, camera enlarging and condensing lenses, etc. 353,069; Dec. 21. Class 26.

Burnett, Tom B., doing business as Tom B. Burnett & Company, Dallas, Tex. Furniture and upholstery. 121,695–8; renewed May 21, 1938.

Calderon, Victor M., Co., Inc., New York, N. Y. Canned sardines. 352,951; Dec. 21; Serial No. 383,672; published Oct. 12, 1937. Class 46.

Canalejo, Albert, doing business as A. Canalejo & Son, Tampa, Fla. Cigars. 353,012; Dec. 21; Serial No. 395,562; published Oct. 5, 1937. Class 17.

Cannon Mills Company, Kannapolis, N. C. Sheets. 353,042; Dec. 21; Serial No. 396,707; published Oct. 12, 1937. Class 42.

Carnrick, G. W., Co., New York, N. Y., assignor to G. W. Carnrick Co., Newark, N. J. Medicinal restorative tonic. 121,160; renewed Apr. 16, 1938.

Carter, William, Company, The, Needham Heights, Mass. Children's and infants' underwear. 353,040; Dec. 21; Serial No. 396,562; published Oct. 5, 1937. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. 353,036; Dec. 21; Serial No. 396,491; published Oct. 12, 1937. Class 42.

Central Chemical Corporation of Maryland, Hagerstown, Md. Fertilizers. 353,017; Dec. 21; Serial No. 396,026; published Oct. 12, 1937. Class 10.

Champion Fibre Company, The, to The Champion Paper and Fibre Company, Canton, N. C., successor. Extract in liquid and powdered form used as core-binder. 121,545; renewed May 7, 1938.

Chance, A. B., Co., Centralia, Mo. Piston rings. 353,052; Dec. 21. Class 35.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 353,041; Dec. 21; Serial No. 396,563; published Oct. 12, 1937. Class 42.

Chopak Textile Co. Inc., New York, N. Y. Rayon and acetate cloth. 353,043; Dec. 21; Serial No. 396,803; published Oct. 12, 1937. Class 42.

Classy Leather Goods Corp., New York, N. Y. Ladies' hand bags. 353,015; Dec. 21; Serial No. 395,813; published Oct. 12, 1937. Class 3.

Cluett, Peabody & Co., Inc., Troy, N. Y. Shirts and underwear. 352,968; Dec. 21; Serial No. 393,582; published Oct. 12, 1937. Class 39.

Clydesdale Motor Truck Company, Clyde, Ohio. Diesel and gasoline motor trucks, etc. 352,972; Dec. 21; Serial No. 394,021; published Oct. 12, 1937. Class 19.

Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 121,409; renewed Apr. 30, 1938.

Collins & Aikman Corporation, Philadelphia, Pa., and New York, N. Y. Pile fabrics. 353,076; Dec. 21. Class 42.

Columbian Rope Company, Auburn, N. Y. Material formed of vegetable fibers in sliver form. 353,003; Dec. 21; Serial No. 395,856; published Oct. 5, 1937. Class 50.

Corozone Air Conditioning Corporation, The, Cleveland, Ohio. Electrically operated air conditioning units. 352,958; Dec. 21; Serial No. 391,312; published Oct. 12, 1937. Class 34.

Credit Clearing House, The, New York, N. Y. Trade and credit publication. 121,599; renewed May 14, 1938.

Curtice Brothers Co., Rochester, N. Y. Canned vegetables. 352,970–71; Dec. 21; Serial Nos. 393,941–2; published Oct. 12, 1937. Class 46.

Davies, Rose & Company, Limited, Boston, Mass. Cough-tablets. 120,359; renewed Feb. 5, 1938.

Divine Brothers Company, Utica, N. Y. Truck casters. 353,071; Dec. 21. Class 19.

Dombrower, Ralph L., Richmond, Va. Pads used in connection with hair waving machinery and apparatus. 352,969; Dec. 21; Serial No. 393,844; published Oct. 12, 1937. Class 44.

Dorsay Specialty Shop, Inc., Flushing, N. Y. Panties, chemises, slips, etc. 352,988; Dec. 21; Serial No. 394,892; published Oct. 12, 1937. Class 39.

Dritz-Traum Company, Inc., New York, N. Y. Candlesticks. 352,999; Dec. 21; Serial No. 395,337; published Oct. 12, 1937. Class 34.

Eastern Wine Corporation, New York, N. Y. Wines. 353,007; Dec. 21; Serial No. 395,818; published Oct. 12, 1937. Class 47.

Edborg, Walter G., Santa Monica, Calif. Combination desk calendar and memorandum device. 352,966; Dec. 21; Serial No. 393,481; published Oct. 5, 1937. Class 37.

Elgin National Watch Company, Elgin and Chicago, Ill. Watches, watch movements, and watch cases. 352,956; Dec. 21; Serial No. 390,782; published May 25, 1937. Class 27.

Emeloid Co. Incorporated, The, Arlington, N. J. Celluloid and metal advertising devices or signs, letters, and numerals, etc. 352,950; Dec. 21; Serial No. 380,908; published Sept. 28, 1937. Class 50.

Etablissements B. Fléchet, Chazelles/S/Lyon, France. Felt hats. 353,016; Dec. 21; Serial No. 395,985; published Oct. 5, 1937. Class 39.

Familex Products Company. (See Parent, Romeo.)

Fantum-Vu, San Francisco, Calif. Advertising folders and the like. 352,977; Dec. 21; Serial No. 394,408; published Oct. 5, 1937. Class 38.

Federated Foods, Inc., Chicago, Ill. Canned vegetables. 353,018; Dec. 21; Serial No. 396,031; published Oct. 12, 1937. Class 46.

Federated Foods, Inc., Chicago, Ill. Canned dog food. 353,019; Dec. 21; Serial No. 396,032; published Oct. 12, 1937. Class 46.

Feiner, Malcolm, Brooklyn, N. Y. Ladies' slips. 353,050; Dec. 21. Class 39.

Fremont Canning Company, Fremont, Mich. Canned vegetables. 352,954; Dec. 21; Serial No. 389,311; published Oct. 12, 1937. Class 46.

French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 352,985; Dec. 21; Serial No. 394,596; published Oct. 12, 1937. Class 39.

Gadgets Magazine. (See Gernsback, Hugo.)

Galion Metallic Vault Company, The, doing business as Hercules Steel Products Company, Galion, Ohio. Hoists. 353,066; Dec. 21. Class 23.

Gamble Stores Incorporated, Minneapolis, Minn. Bicycles. 352,996; Dec. 21; Serial No. 395,169; published Oct. 12, 1937. Class 19.

Gans, Henry, Inc., New York, N. Y. Dresses. 353,006; Dec. 21; Serial No. 395,821; published Oct. 12, 1937. Class 39.

Gates Rubber Company, The, Denver, Colo. Storage batteries and storage battery casings. 353,065; Dec. 21. Class 21.

Gernsback, Hugo, doing business as Gadgets Magazine, New York, N. Y. Monthly magazine. 353,009; Dec. 21; Serial No. 395,755; published Oct. 5, 1937. Class 38.

Glanzer Bros. Inc., New York, N. Y. Dried beans. 353,023; Dec. 21; Serial No. 396,124; published Oct. 12, 1937. Class 46.

Golding Bros. Company, Inc., New York, N. Y. Piece goods. 352,993; Dec. 21; Serial No. 394,940; published Oct. 12, 1937. Class 42.

Goldstein Millinery Company, Chicago, Ill. Women's and girls' hats and caps. 352,964; Dec. 21; Serial No. 393,056; published Oct. 12, 1937. Class 39.

Goodall Worsted Company, Sanford, Maine. Piece goods. 353,008; Dec. 21; Serial No. 395,789; published Oct. 12, 1937. Class 42.

Granada Vineyards, Inc., Cambridge, Mass. Whiskey. 353,029; Dec. 21; Serial No. 396,307; published Oct. 12, 1937. Class 49.

Gray Bros., Inc., New York, N. Y. Boots and shoes. 353,011; Dec. 21; Serial No. 395,524; published Oct. 12, 1937. Class 39.

Green Bay Food Company, Green Bay, Wis. Pickles, chow chow, sweet and sour onions, etc. 353,022; Dec. 21; Serial No. 396,074; published Oct. 12, 1937. Class 46.

Greene, Herbert A., doing business as M. L. Snyder & Son, Philadelphia, Pa. Jackets, coats, pants, etc. 352,962; Dec. 21; Serial No. 392,689; published Oct. 12, 1937. Class 39.

Hallicrafters, Inc., The, Chicago, Ill. Radio receiving sets. 353,032; Dec. 21; Serial No. 396,402; published Oct. 12, 1937. Class 21.

Handels-Onderneming "Intermarina". (See Knopoe, Cornelis.)

Harper, Roy V., doing business as Harper Grain Company, Pittsburgh, Pa. Poultry and live stock feed, and shelled corn, etc. 352,979; Dec. 21; Serial No. 394,487; published Oct. 12, 1937. Class 46.

Harrison, Margaret J., New York, N. Y. Hand operated massage devices. 353,038; Dec. 21; Serial No. 396,536; published Oct. 12, 1937. Class 44.

Hercules Company, Philadelphia, Pa. Hose. 352,960; Dec. 21; Serial No. 392,493; published July 27, 1937. Class 35.

Hercules Liquor Products Corp., Brooklyn, N. Y. Whiskey. 353,044; Dec. 21; Serial No. 396,815; published Oct. 12, 1937. Class 49.

Hercules Steel Products Company. (See Gallon Metallic Vault Company, The.)

Herron, Alexander E., Toronto, Ontario, Canada. Humidity devices in the nature of humidors. 352,947; Dec. 21; Serial No. 367,536; published Oct. 5, 1937. Class 8.

Hinkson, George W., Media, Pa. Dental filling alloy. 353,045; Dec. 21; Serial No. 396,816; published Oct. 12, 1937. Class 44.

Independent Business Magazine, Inc., The, Des Moines, Iowa, Magazine. 353,024; Dec. 21; Serial No. 396,138; published Oct. 5, 1937. Class 38.

International Mailing Tube and Wrapper Co., Brooklyn, to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Mailing-tubes, mailing-bags, mailing-boxes, etc. 121,717; renewed May 21, 1938.

Jaden, F., Manufacturing Co. Inc., Hastings, Nebr. Blowers, air-conditioning units and refrigerators. 352,974; Dec. 21; Serial No. 394,232; published Oct. 12, 1937. Class 34.

King Brothers, Portland, Oreg. Heating boilers. 352,981; Dec. 21; Serial No. 394,538; published Oct. 12, 1937. Class 34.

Kingsboro Silk Mills, Inc., Gloversville, N. Y. Knitted vests, bloomers, panties, etc. 353,025–6; Dec. 21; Serial Nos. 396,192–3; published Oct. 12, 1937. Class 39.

Knoppe, Cornelis, doing business as Handels-Onderneming "Intermarina", Rotterdam, Netherlands. Lubricating oils and greases, kerosene, and gasoline. 352,963; Dec. 21; Serial No. 392,871; published Sept. 14, 1937. Class 15.

Kohn, Louis, New York, N. Y. Outer shirts, work shirts, and work uniforms. 353,005; Dec. 21; Serial No. 395,827; published Oct. 12, 1937. Class 39.

Krause, Friedrich W., doing business as Firma Max Krause, Hamburg, Germany. Electric illuminating devices, heating devices, cooking devices, etc. 353,033; Dec. 21; Serial No. 396,409; published Oct. 12, 1937. Class 21.

Krause, Firma Max. (See Krause, Friedrich W.)

Laird and Company, Scobeyville and Eatontown, N. J. Brandy. 353,055; Dec. 21. Class 49.

Lane & Campbell, Providence, R. I. Effervescent beverage. 353,046; Dec. 21; Serial No. 396,959; published Oct. 12, 1937. Class 45.

Leggett, Francis H., & Company, New York, N. Y. Salad-dressing. 120,873; renewed Mar. 12, 1938.

Lewis, Edgar P., & Sons, Inc. (See Package Confectionery Co.)

London & Co., Inc., Elizabeth, N. J. Whiskey. 352,955; Dec. 21; Serial No. 390,075; published Apr. 27, 1937. Class 49.

MacGregor Fisheries Limited, Hull, England. Kippers, bloaters, finnan haddocks, etc. 353,067; Dec. 21. Class 46.

Magnus, S. W., Handkerchief Co., Inc. (See Brandon, Magnus & Leon Inc., assignor.)

McKesson & Robbins, Incorporated, New York, N. Y., assignor to McKesson & Robbins, Incorporated, Fairfield, Conn. Medicinal preparations. 119,742; renewed Dec. 11, 1937.

McNish, Robert, & Company, Limited, Glasgow, Scotland, and London, England. Whisky. 352,994; Dec. 21; Serial No. 394,948; published Oct. 12, 1937. Class 49.

Menasha Products Company, Menasha, Wis. Printed display signs and advertising matter. 352,976; Dec. 21; Serial No. 394,338; published Oct. 5, 1937. Class 38.

Merfish, Rose, Houston, Tex. Water heaters. 352,980; Dec. 21; Serial No. 394,499; published Oct. 12, 1937. Class 34.

Modern Mechanix Publishing Co., Greenwich, Conn., and New York, N. Y. Monthly periodical. 353,035; Dec. 21; Serial No. 396,467; published Oct. 5, 1937. Class 38.

Morris & Company, Inc., Baltimore, Md. Cotton, linen, silk, etc. 121,474; renewed Apr. 30, 1938.

Morris & Company, assignor, by mesne assignments, to Armour and Company of Delaware, Chicago, Ill. Foods. 120,990; renewed Mar. 19, 1938.

NEA Service, Inc., Cleveland, Ohio. Section or column appearing in a newspaper or periodical. 353,037; Dec. 21; Serial No. 396,504; published Oct. 5, 1937. Class 38.

Native Lace Works, Inc., Hightstown, N. J., and New York, N. Y. Laces. 353,002; Dec. 21; Serial No. 395,649; published Oct. 12, 1937. Class 42.

Northern Wisconsin Produce Company, Manitowoc, Wis. Cheese. 353,020; Dec. 21; Serial No. 396,041; published Oct. 12, 1937. Class 46.

Oregon Pulp and Paper Company, Portland, Oreg. Bond, book, ledger, and duplicating paper. 353,074; Dec. 21. Class 37.

Package Confectionery Co., to Edgar P. Lewis & Sons, Inc., Malden, Mass., successor. Candy. 120,417; renewed Feb. 5, 1938.

Parent, Romeo, doing business as Familex Products Company, Montreal, Quebec, Canada. Flavoring extracts, syrups, and concentrates. 352,965; Dec. 21; Serial No. 393,204; published Oct. 12, 1937. Class 45.

Parr Electric Export Corporation, Brooklyn, N. Y. Electrical conduits. 353,053–4; Dec. 21. Class 21.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pajamas, dress shirts, gloves, etc. 352,986; Dec. 21; Serial No. 394,677; published Oct. 12, 1937. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Rayon and silk piece goods. 352,987; Dec. 21; Serial No. 394,678; published Oct. 12, 1937. Class 42.

Pennsylvania Chemical Corporation, Orange, N. J. Substance for inducing roots to grow on cuttings. 353,013; Dec. 21; Serial No. 395,591; published Oct. 12, 1937. Class 10.

Perlstein Brothers, New York, N. Y. Sole leather. 353,072; Dec. 21. Class 1.

Perona Brothers, New York, N. Y. Bread in loaves, rolls, pones, etc. 353,070; Dec. 21. Class 46.

Phillips, Dr. P., Company, Orlando, Fla. Fresh citrus fruits. 352,982–3; Dec. 21; Serial Nos. 394,549–50; published Oct. 12, 1937. Class 46.

Planert, F. W., & Sons, Inc., Chicago, Ill. Ice skates. 353,068; Dec. 21. Class 22.

Railton, B. A., Co., Chicago, Ill. Prepared mustard, India relish, salad-dressing, etc. 121,208; renewed Apr. 16, 1938.

Rainville, Joseph A., Lewiston, Maine. Dental, medical, and surgical appliances. 121,654; renewed May 14, 1938.

Red Cloud Refining Company. (See Warren, James S.)

Reda Pump Company, Bartlesville, Okla. Electrical motor driven deep well pump units. 353,073; Dec. 21. Class 23.

Regal Shoe Company. (See Bliss, Elmer J., assignor.)

Richards, Sutton & Thornton, Inc., New York, N. Y. Underwear. 352,975; Dec. 21; Serial No. 394,305; published Oct. 12, 1937. Class 39.

Rio Grande Brewing Corporation, Albuquerque, N. Mex. Beer. 353,048; Dec. 21; Serial No. 397,003; published Oct. 12, 1937. Class 48.

Robinson Clay Product Company, The, Akron, Ohio. Castable refractory material. 353,056; Dec. 21. Class 12.

Robinson Clay Product Company, The, Akron, Ohio. Plastic fire brick. 353,057; Dec. 21. Class 12.

Robinson Clay Product Company, The, Akron, Ohio. Wall coping. 353,058; Dec. 21. Class 12.

Robinson, William C., & Son Company, Baltimore, Md. Transmission-oil, lubricating-grease, etc. 121,659; renewed May 14, 1938.

Rogers Peet Company, New York, N. Y. Men's and boys' shoes. 352,961; Dec. 21; Serial No. 392,556; published Oct. 12, 1937. Class 39.

Rose, Louis S., doing business as Rose Brothers, New York, N. Y. Coats, vests, and trousers. 353,027; Dec. 21; Serial No. 396,205; published Oct. 12, 1937. Class 39.

Ross Gloss Co., Auburndale, to Ross Gloss Co., Boston, Mass. Automobile and furniture polish. 119,575; renewed Nov. 27, 1937.

Roth Fabrics Corporation, New York, N. Y. Silk and synthetic textile fabrics in the piece. 353,039; Dec. 21; Serial No. 396,548; published Oct. 12, 1937. Class 42.

Russo & Rinaldi, Los Angeles, Calif. Prepared mushroom sauce. 352,989; Dec. 21; Serial No. 394,911; published Oct. 12, 1937. Class 46.

Schmid, Julius, Inc., New York, N. Y. Pessary introducers. 353,028; Dec. 21; Serial No. 396,206; published Oct. 12, 1937. Class 44.

Simon, L., Company, Inc., New York, N. Y. Ladies' footwear. 352,973; Dec. 21; Serial No. 394,199; published Oct. 12, 1937. Class 39.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods and crepe piece goods. 353,034; Dec. 21; Serial No. 396,423; published Oct. 12, 1937. Class 42.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Shoe satin. 353,075; Dec. 21. Class 42.

Snow Crest Beverages, Inc., Salem, Mass. Beverages. 353,047; Dec. 21; Serial No. 396,971; published Oct. 12, 1937. Class 45.

Snyder, M. L., & Son. (See Greene, Herbert A.)

Southern Quarrying Company, Elberton, Ga. Granite, monumental stone, granite quarried in the rough, etc. 352,967; Dec. 21; Serial No. 393,507; published Oct. 5, 1937. Class 1.

Standard Oil Development Company, Linden, N. J. Lubricating oils. 353,001; Dec. 21; Serial No. 395,492; published Oct. 5, 1937. Class 15.

Standard Oil Development Company, Linden, N. J. Lubricating oils. 353,010; Dec. 21; Serial No. 395,493; published Oct. 5, 1937. Class 15.

Stephano Brothers, Philadelphia, Pa. Cigarettes. 353,060; Dec. 21. Class 17.

Strasburger, Byron L., assignor to Bayer, Pretzfelder & Mills, Inc., New York, N. Y. Watch-movements. 121,510; renewed Apr. 30, 1938.

Swallow Raincoats Limited, Birmingham, England. Raincoats for men. 352,953; Dec. 21; Serial No. 388,377; published Oct. 12, 1937. Class 39.

Tennessee Valley Associated Cooperatives, Incorporated, Knoxville, Tenn. Canned vegetables. 352,945; Dec. 21; Serial No. 359,096; published Oct. 12, 1937. Class 46.

Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden handles. 353,030; Dec. 21; Serial No. 396,375; published Oct. 12, 1937. Class 23.

Van Raalte Company, New York, N. Y. Silk underwear. 353,004; Dec. 21; Serial No. 395,848; published Oct. 12, 1937. Class 39.

Vaughan, David A., Woodstock, N. Y. Bracket clamp for supporting a flashlight. 352,978; Dec. 21; Serial No. 394,441; published Oct. 12, 1937. Class 13.

Vita Products Company, Zeeland, Mich. Dehydrated kelp. 352,949; Dec. 21; Serial No. 379,579; published Sept. 29, 1936. Class 46.

Wadhams & Company, Portland, Oreg. Artificial flavoring extracts. 352,990; Dec. 21; Serial No. 394,921; published Oct. 12, 1937. Class 46.

Wadhams & Company, Portland, Oreg. Tomato catsup, canned vegetables, canned fish, etc. 352,991; Dec. 21; Serial No. 394,922; published Oct. 12, 1937. Class 46.

Warren, James S., doing business as Red Cloud Refining Company, Crawford, Nebr. Gasoline, kerosene, oils, and greases. 352,992; Dec. 21; Serial No. 394,923; published Sept. 21, 1937. Class 15.

Western Pipe and Steel Company of California, San Francisco, Calif. Steel well casings, conduits, pipes, etc. 352,948; Dec. 21; Serial No. 374,111; published Oct. 12, 1937. Class 13.

Western States Grocery Company, Reno, Nev., and Oakland, Calif. Magazine. 353,021; Dec. 21; Serial No. 396,054; published Oct. 5, 1937. Class 38.

Wettlaufer, William L., Buffalo, N. Y. Golf clubs. 353,059; Dec. 21. Class 22.

Willard Storage Battery Company, Cleveland, Ohio. Storage batteries. 121,681; renewed May 14, 1938.

Worcester Cap Company, Boston, Mass. Men's felt hats, uniform caps, and caps. 352,984; Dec. 21; Serial No. 394,567; published Oct. 12, 1937. Class 39.

Worcester Knitting Company, Worcester, Mass., and New York, N. Y. Knitted and woven piece goods. 352,998; Dec. 21; Serial No. 395,328; published Oct. 12, 1937. Class 42.

Z Processes, Inc., Jersey City, N. J., by change of name Z Pack Corporation. Frozen foods. 352,952; Dec. 21; Serial No. 387,606; published Oct. 12, 1937. Class 46.

LIST OF REGISTRANTS OF LABELS

Ammen, Charles, Company, Ltd., Alexandria, La. Ammen's. For Invisible Skin Powder for Men. 50,483; Dec. 21.

Anabolic Food Products, Inc., Chicago, Ill. Cilobana AD–6. For a Supplemental Food Product Composed of Dried Vegetables and Animal Material, Animal and Vegetable Oils. 50,484; Dec. 21.

Appel, Joseph J., Red Mountain, Calif. Desert Club. For Straight Bourbon Whiskey. 50,485; Dec. 21.

Barmon Brothers Company, Inc., Buffalo, N. Y. Junior Clique Frocks. For Frocks. 50,486; Dec. 21.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Drip Grind Coffee. For Drip Grind Coffee. 50,487; Dec. 21.

Cretors, H. DeWitt, doing business as C. Cretors & Co., Chicago, Ill. Grand Pop Pop Corn. For Popcorn. 50,488; Dec. 21.

Dwarfies Corporation, Council Bluffs, Iowa. Wheatmix. For Breakfast Food. 50,489; Dec. 21.

Egan, Ruth S., Santa Barbara, Calif. Saucy Sauce. For a Sauce. 50,490; Dec. 21.

Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Let Us Show What Nature Knows. For Cosmetics. 50,491; Dec. 21.

Enger Drug Co., West Fargo, N. Dak. Skalp Aid. For a Preparation for the Eradication of Dandruff. 50,492; Dec. 21.

Florida Fruit Industries, Inc., Orlando, Fla. Chevron. For California Claret Wine. 50,493; Dec. 21.

House of Twigs. (See Elmquist, Francis.)

Hubinger Co., The, Keokuk, Iowa. Bee-Sweet. For Honey Flavored Syrup. 50,494; Dec. 21.

Kroger Grocery & Baking Co., The Cincinnati, Ohio. 'Country Club' Honey Graham Crackers. For Graham Crackers. 50,495; Dec. 21.

Menasha Products Company, Menasha, Wis. Washington Maid Ice Cream. For Ice Cream. 50,496; Dec. 21.

Meyenberg Milk Products Co., Salinas, Calif. Meyenberg. For Evaporated Goat Milk. 50,497; Dec. 21.

Myerson, Ben, Inc., Los Angeles, Calif. Alice Holiday. For Assorted Chocolates. 50,498; Dec. 21.

Myerson, Ben, Inc., Los Angeles, Calif. Benny's. For Candy. 50,499; Dec. 21.

New Philadelphia Brewery, Inc., New Philadelphia, Ohio. Black Jack Lager Beer. For Lager Beer. 50,500; Dec. 21.

Omaha Von Company, Omaha, Nebr. One Friend Tells Another. For Tablets for Relief of Gastritis and Stomach Ulcers Caused by Gastric Hyper-Acidity and for Relief of Acid Stomach and Acid Stomach Ulcers. 50,509; Dec. 21.

Oshkosh Brewing Co., The, Oshkosh, Wis. Chief Oshkosh. For Lager Beer. 50,501; Dec. 21.

Phillips Bros., Baltimore, Md. Beads. For Plain Carbonated Water. 50,502; Dec. 21.

Poultry Food Products Inc., Chicago, Ill. Chick-N-Rich. For a Food for Cats and Dogs. 50,503; Dec. 21.

Red Arrow Bottling Works, Detroit, Mich. Morning After. For a Mixer Beverage. 50,504; Dec. 21.

Red Spot Paint & Varnish Co., Evansville, Ind. Linoquick. For Water-Proof Finish for Floors, Linoleums, and All Exterior and Interior Finishes. 50,505; Dec. 21.

Rosenberg Bros. & Co., San Francisco, Calif. Eureka. For Raisins. 50,506; Dec. 21.

Union Starch and Refining Company, Columbus, Ind. Pennant Syrup. For Syrup. 50,507; Dec. 21.

United Western Laboratories Inc., Denver, Colo. Joon Turtle Oil Compound. For a Turtle Oil Compound. 50,508; Dec. 21.

Windt Chemists, Inc., New York, N. Y. Pinemalt Cough-Nips. For Cough Candy. 50,510; Dec. 21.

Worcester Baking Co., Worcester, Mass. Vitamin 'D' Town Talk Bread. For Bread. 50,511; Dec. 21.

LIST OF REGISTRANTS OF PRINTS

Awful Fresh MacFarlane, Oakland, San Francisco and Berkeley, Calif. 4 Your Sweet 2th MacFarlane Candy. For Candy. 16,614; Dec. 21.

Awful Fresh MacFarlane, Oakland, San Francisco and Berkeley, Calif. Nuts "2 U" Awful Fresh MacFarlane. For Nuts. 16,615; Dec. 21.

Bemis Bro. Bag Co., St. Louis, Mo. Bemis Waterproof Bags. For Waterproof Bags. 16,616–8; Dec. 21.

Buchanan & Company, Inc., New York, N. Y. Your Key to Smiles. For Receptacle Openers. 16,619; Dec. 21.

Continental Steel Corporation, Kokomo, Ind. Holds Like a Full Nelson. For Wire Fence. 16,620; Dec. 21.

Frund Products Company, Chicago, Ill. Flex-O-Fix-Plastic-Elastic. For a Plastic Rubber Material. 16,621; Dec. 21.

General Mills, Inc., Minneapolis, Minn. Lawson Little Lord of the Links. "A Breakfast of Champions—the Tops Winter and Summer!" For Cereal Food. 16,622; Dec. 21.

General Mills, Inc., Minneapolis, Minn. For All the Children of America . . . America's Greatest Miller Sets Out to Produce a Perfect Breakfast Cereal! For Cereal Food. 16,623; Dec. 21.

General Mills, Inc., Minneapolis, Minn. Christmas-in-Cookies! For Flour. 16,624; Dec. 21.

Nat Levy-Urie Mandle Corporation, New York, N. Y. Allur-Ring. For Finger Rings. 16,625; Dec. 21.

Natural Set-Up Sales Corporation, St. Louis, Mo. Jitters. For a Setup. 16,626; Dec. 21.

Parker Pen Company, The, Janesville, Wis. What the Radio Beam Does for the Pilot Parker's Television Pen Does For You. For Fountain Pens, Mechanical Pencils, and Ink. 16,627; Dec. 21.

Southwest Grease and Oil Company, Wichita, Kans. Fun-L-Pak. For Grease. 16,628; Dec. 21.

Willson Products, Inc., Reading, Pa. Willson Day and Night Goggles. For Day and Night Goggles. 16,629; Dec. 21.

Willson Products, Inc., Reading, Pa. Willson Sport Goggles. For Sport Goggles. 16,630; Dec. 21.

Windt Chemists, Inc., New York, N. Y. Pinemalt Cough Lolli-Pals. For Cough Candy. 16,631; Dec. 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Granite, monumental stone, granite quarried in the rough, etc. Southern Quarrying Company. 352,967; Dec. 21; Serial No. 393,507; published Oct. 5, 1937.

Leather, Sole. Peristein Brothers. 353,072; Dec. 21.

CLASS 2

Mailing-tubes, mailing-bags, mailing-boxes, etc. International Mailing Tube and Wrapper Co. 121,717; renewed May 21, 1938.

CLASS 3

Hand bags, Ladies'. Classy Leather Goods Corp. 353,015; Dec. 21; Serial No. 395,813; published Oct. 12, 1937.

CLASS 4

Soaps. Colgate & Co. 121,409; renewed Apr. 30, 1938.

CLASS 5

Extract in liquid and powdered form used as core-binder. Champion Fibre Company. 121,545; renewed May 7, 1938.

CLASS 6

Cough-tablets. Davies, Rose & Company. 120,359; renewed Feb. 5, 1938.

Medicinal preparations. Arlington Chemical Co. 119,489; renewed Nov. 27, 1937.

Medicinal Preparations. McKesson & Robbins, Incorporated. 119,742; renewed Dec. 11, 1937.

Tonic, Medicinal restorative. G. W. Carnrick Co. 121,160; renewed Apr. 16, 1938.

CLASS 8

Humidity devices in the nature of humidors. A. E. Herron. 352,947; Dec. 21; Serial No. 367,536; published Oct. 5, 1937.

CLASS 10

Fertilizers. Central Chemical Corporation of Maryland. 353,017; Dec. 21; Serial No. 396,026; published Oct. 12, 1937.

Substance for inducing roots to grow on cuttings. Pennsylvania Chemical Corporation. 353,013; Dec. 21; Serial No. 395,591; published Oct. 12, 1937.

CLASS 12

Brick, Plastic fire. Robinson Clay Product Company. 353,057; Dec. 21.

Coping, Wall. Robinson Clay Product Company. 353,058; Dec. 21.

Refractory material, Castable. Robinson Clay Product Company. 353,056; Dec. 21.

CLASS 13

Casings, conduits, pipes, etc., Steel well. Western Pipe and Steel Company of California. 352,948; Dec. 21; Serial No. 374,111; published Oct. 12, 1937.

Clamp for supporting a flashlight, Bracket. D. A. Vaughan. 352,978; Dec. 21; Serial No. 394,441; published Oct. 12, 1937.

CLASS 15

Gasoline, kerosene, oils, and greases. J. S. Warren. 352,992; Dec. 21; Serial No. 394,923; published Sept. 21, 1937.

Oil, lubricating-grease, etc., Transmission. William C. Robinson & Son Company. 121,659; renewed May 14, 1938.

Oils and greases, kerosene, and gasoline, Lubricating. C. Knoppe. 352,963; Dec. 21; Serial No. 392,871; published Sept. 14, 1937.

Oils, Lubricating. Standard Oil Development Company. 353,001; Dec. 21; Serial No. 395,492; published Oct. 5, 1937.

Oils, Lubricating. Standard Oil Development Company. 353,010; Dec. 21; Serial No. 395,493; published Oct. 5, 1937.

CLASS 16

Polish, Automobile and furniture. Ross Gloss Co. 119,575; renewed Nov. 27, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 353,061–3; Dec. 21.

Cigarettes. Stephano Brothers. 353,060; Dec. 21.

Cigars. A. Canalejo. 353,012; Dec. 21; Serial No. 395,562; published Oct. 5, 1937.

CLASS 19

Bicycles. Gamble Stores Incorporated. 352,996; Dec. 21; Serial No. 395,169; published Oct. 12, 1937.

Casters, Truck. Divine Brothers Company. 353,071; Dec. 21.

Trucks, etc., Diesel and gasoline motor. Clydesdale Motor Truck Company. 352,972; Dec. 21; Serial No. 394,021; published Oct. 12, 1937.

CLASS 21

Batteries and storage battery casings, Storage. Gates Rubber Company. 353,065; Dec. 21.

Batteries, Storage. Willard Storage Battery Company. 121,681; renewed May 14, 1938.

Electrical apparatus, machines, and supplies. Bryant Electric Company. 121,585–6; renewed May 14, 1938.

Electrical conduits. Parr Electric Export Corporation. 353,053–4; Dec. 21.

Illuminating devices, heating devices, cooking devices, etc., Electric. F. W. Krause. 353,033; Dec. 21; Serial No. 396,409; published Oct. 12, 1937.

Radio receiving sets. Hallicrafters, Inc. 353,032; Dec. 21; Serial No. 396,402; published Oct. 12, 1937.

CLASS 22

Golf clubs. W. L. Wettlaufer. 353,059; Dec. 21.

Skates, Ice. F. W. Planert & Sons, Inc. 353,068; Dec. 21.

CLASS 23

Handles, Wooden. Turner, Day & Woolworth Handle Company. 353,030; Dec. 21; Serial No. 396,375; published Oct. 12, 1937.

Hoists. Gallon Metallic Vault Company. 353,066; Dec. 21.

Pump units, Electrical motor driven deep well. Reda Pump Company. 353,073; Dec. 21.

CLASS 26

Cameras, Photo enlargers, camera enlarging and condensing lenses, etc. Burke & James, Inc. 353,069; Dec. 21.

Gages and size-sticks for fitting shoes. E. J. Bliss. 121,250; renewed Apr. 23, 1938.

CLASS 27

Watches, watch movements, and watch cases. Elgin National Watch Company. 352,956; Dec. 21; Serial No. 390,782; published May 25, 1937.

CLASS 32

Furniture and upholstery. T. B. Burnett. 121,695–8; renewed May 21, 1938.

Stands, bases, standards, etc., for lamps, etc., Advertising display. Boynton & Company. 352,997; Dec. 21; Serial No. 395,264; published Oct. 12, 1937.

CLASS 34

Air conditioning units, Electrically operated. Corozone Air Conditioning Corporation. 352,958; Dec. 21; Serial No. 391,312; published Oct. 12, 1937.

Blowers, air-conditioning units and refrigerators. F. Jaden Manufacturing Co. Inc. 352,974; Dec. 21; Serial No. 394,232; published Oct. 12, 1937.

Boilers, Heating. King Brothers. 352,981; Dec. 21; Serial No. 394,538; published Oct. 12, 1937.

Candlesticks. Dritz-Traum Company. 352,999; Dec. 21; Serial No. 395,337; published Oct. 12, 1937.

Heaters, Water. R. Merfish. 352,980; Dec. 21; Serial No. 394,499; published Oct. 12, 1937.

CLASS 35

Hose. Hercules Company. 352,960; Dec. 21; Serial No. 392,493; published July 27, 1937.

Piston rings. A. B. Chance Co. 353,052; Dec. 21.

CLASS 37

Calendar and memorandum device, Combination desk. W. G. Edborg. 352,966; Dec. 21; Serial No. 393,481; published Oct. 5, 1937.

Paper, Bond, book, ledger, and duplicating. Oregon Pulp and Paper Company. 353,074; Dec. 21.

Watch-movements. B. L. Strasburger. 121,510; renewed Apr. 30, 1938.

CLASS 38

Folders and the like, Advertising. Fantum-Vu. 352,977; Dec. 21; Serial No. 394,408; published Oct. 5, 1937.

Magazine. Independent Business Magazine, Inc. 353,024; Dec. 21; Serial No. 396,138; published Oct. 5, 1937.

Magazine. Western States Grocery Company. 353,021; Dec. 21; Serial No. 396,054; published Oct. 5, 1937.

Magazine, Monthly. H. Gernsback. 353,009; Dec. 21; Serial No. 395,755; published Oct. 5, 1937.

Periodical, Monthly. Modern Mechanix Publishing Co. 353,035; Dec. 21; Serial No. 396,467; published Oct. 5, 1937.

Publication, Trade and credit. Credit Clearing House. 121,599; renewed May 14, 1938.

Section or column appearing in a newspaper or periodical. NEA Service, Inc. 353,037; Dec. 21; Serial No. 396,504; published Oct. 5, 1937.

Signs and advertising matter, Printed display. Menasha Products Company. 352,976; Dec. 21; Serial No. 394,338; published Oct. 5, 1937.

CLASS 39

Apparel, Wearing. B. Altmann. 352,957; Dec. 21; Serial No. 390,884; published Oct. 12, 1937.

Boots and shoes. French, Shriner & Urner Manufacturing Co. 352,985; Dec. 21; Serial No. 394,596; published Oct. 12, 1937.

Boots and shoes. Gray Bros., Inc. 353,011; Dec. 21; Serial No. 395,524; published Oct. 12, 1937.

Clothing. Brafman-Berzon, Inc. 353,014; Dec. 21; Serial No. 395,808; published Oct. 12, 1937.

Clothing, Children's. Allied Stores Corporation. 353,000; Dec. 21; Serial No. 395,390; published Oct. 12, 1937.

Coats, vests, and trousers. L. S. Rose. 353,027; Dec. 21; Serial No. 396,205; published Oct. 12, 1937.

Dresses. Henry Gans Inc. 353,006; Dec. 21; Serial No. 395,821; published Oct. 12, 1937.

Footwear, Ladies'. L. Simon Company. 352,973; Dec. 21; Serial No. 394,199; published Oct. 12, 1937.

Handkerchiefs. Brandon, Magnus & Leon Inc. 118,948; renewed Oct. 16, 1937.

Hats and caps, Women's and girls'. Goldstein Millinery Company. 352,964; Dec. 21; Serial No. 393,056; published Oct. 12, 1937.

Hats, Felt. Etablissements B. Fléchet. 353,016; Dec. 21; Serial No. 395,985; published Oct. 5, 1937.

Hats, uniform caps, and caps, Men's felt. Worcester Cap Company. 352,984; Dec. 21; Serial No. 394,567; published Oct. 12, 1937.

Jackets, coats, pants, etc. H. A. Greene. 352,962; Dec. 21; Serial No. 392,689; published Oct. 12, 1937.

Pajamas, dress shirts, gloves, etc. J. C. Penney Company. 352,986; Dec. 21; Serial No. 394,677; published Oct. 12, 1937.

Panties, chemises, slips, etc. Dorsay Specialty Shop, Inc. 352,988; Dec. 21; Serial No. 394,892; published Oct. 12, 1937.

Raincoats for men. Swallow Raincoats Limited. 352,953; Dec. 21; Serial No. 388,377; published Oct. 12, 1937.

Shirts and underwear. Cluett, Peabody & Co. 352,968; Dec. 21; Serial No. 393,582; published Oct. 12, 1937.

Shirts, work shirts, and work uniforms, Outer. L. Kohn. 353,005; Dec. 21; Serial No. 395,827; published Oct. 12, 1937.

Shoes, Men's and boys'. Rogers Peet Company. 352,961; Dec. 21; Serial No. 392,556; published Oct. 12, 1937.

Slips, Ladies'. M. Feiner. 353,050; Dec. 21.

Underwear. Richards, Sutton & Thornton, Inc. 352,975; Dec. 21; Serial No. 394,305; published Oct. 12, 1937.

Underwear, Children's and infants'. William Carter Company. 353,040; Dec. 21; Serial No. 396,562; published Oct. 5, 1937.

Underwear, Silk. Van Raalte Company. 353,004; Dec. 21; Serial No. 395,848; published Oct. 12, 1937.

Vests, bloomers, panties, etc., Knitted. Kingsboro Silk Mills, Inc. 353,025–6; Dec. 21; Serial Nos. 396,192–3; published Oct. 12, 1937.

CLASS 42

Cotton, linen, silk, and woolen piece goods, etc. Morris & Company. 121,474; renewed Apr. 30, 1938.

Fabrics, Pile. Collins & Aikman Corporation. 353,076; Dec. 21.

Fabrics, Pile. Sidney Blumenthal & Co. Inc. 353,051; Dec. 21.

Laces. Native Lace Works, Inc. 353,002; Dec. 21; Serial No. 395,649; published Oct. 12, 1937.

Piece goods. Celanese Corporation of America. 353,036; Dec. 21; Serial No. 396,491; published Oct. 12, 1937.

Piece goods. Golding Bros. Company. 352,993; Dec. 21; Serial No. 394,940; published Oct. 12, 1937.

Piece goods. Goodall Worsted Company. 353,008; Dec. 21; Serial No. 395,789; published Oct. 12, 1937.

Piece goods, Knitted and woven. Worcester Knitting Company. 352,998; Dec. 21; Serial No. 395,328; published Oct. 12, 1937.

Rayon and acetate cloth. Chopak Textile Co. Inc. 353,041; Dec. 21; Serial No. 396,563; published Oct. 12, 1937.

Rayon and acetate cloth. Chopak Textile Co. Inc. 353,043; Dec. 21; Serial No. 396,803; published Oct. 12, 1937.

Rayon and silk piece goods. J. C. Penney Company. 352,987; Dec. 21; Serial No. 394,678; published Oct. 12, 1937.

Satin, Shoe. William Skinner & Sons. 353,075; Dec. 21.

Sheets. Cannon Mills Company. 353,042; Dec. 21; Serial No. 396,707; published Oct. 12, 1937.

Silk and synthetic textile fabrics in the piece. Roth Fabrics Corporation. 353,039; Dec. 21; Serial No. 396,548; published Oct. 12, 1937.

Silk fabrics in the piece. Brainerd and Armstrong Co. 114,620; renewed Dec. 26, 1937.

Silk piece goods and crepe piece goods. William Skinner & Sons. 353,034; Dec. 21; Serial No. 396,423; published Oct. 12, 1937.

CLASS 44

Dental filling alloy. G. W. Hinkson. 353,045; Dec. 21; Serial No. 396,816; published Oct. 12, 1937.

Dental, medical, and surgical appliances. J. A. Rainville. 121,654; renewed May 14, 1938.

Massage devices, Hand operated. M. J. Harrison. 353,038; Dec. 21; Serial No. 396,536; published Oct. 12, 1937.

Pads used in connection with hair waving machinery and apparatus. R. L. Dombrower. 352,969; Dec. 21; Serial No. 393,844; published Oct. 12, 1937.

Pessary introducers. Julius Schmid, Inc. 353,028; Dec. 21; Serial No. 396,206; published Oct. 12, 1937.

CLASS 45

Beverages. Snow Crest Beverages, Inc. 353,047; Dec. 21; Serial No. 396,971; published Oct. 12, 1937.

Beverage, Effervescent. Lane & Campbell. 353,046; Dec. 21; Serial No. 396,959; published Oct. 12, 1937.

Extracts, syrups, and concentrates, Flavoring. R. Parent. 352,965; Dec. 21; Serial No. 393,204; published Oct. 12, 1937.

CLASS 46

Beans, Dried. Glanzer Bros. Inc. 353,023; Dec. 21; Serial No. 396,124; published Oct. 12, 1937.

Bread in loaves, rolls, pones, etc. Perona Brothers. 353,070; Dec. 21.

Canned dog food. Federated Foods, Inc. 353,019; Dec. 21; Serial No. 396,032; published Oct. 12, 1937.

Canned fish. Alaska Salmon Company. 353,064; Dec. 21.

Canned sardines. A/S Einar Hausvik & Co. 352,959; Dec. 21; Serial No. 392,276; published Sept. 7, 1937.

Canned sardines. Victor M. Calderon Co. 352,951; Dec. 21; Serial No. 383,672; published Oct. 12, 1937.

Canned vegetables. H. C. Baxter & Bro. 352,946; Dec. 21; Serial No. 360,088; published Oct. 12, 1937.

Canned vegetables. Curtice Brothers Co. 352,970–71; Dec. 21; Serial Nos. 393,941–2; published Oct. 12, 1937.

Canned vegetables. Federated Foods, Inc. 353,018; Dec. 21; Serial No. 396,031; published Oct. 12, 1937.

Canned vegetables. Fremont Canning Company. 352,954; Dec. 21; Serial No. 389,311; published Oct. 12, 1937.

Canned vegetables. Tennessee Valley Associated Cooperatives, Incorporated. 352,945; Dec. 21; Serial No. 359,096; published Oct. 12, 1937.

Candy. Package Confectionery Co. 120,417; renewed Feb. 5, 1938.

Catsup, canned vegetables, canned fish, etc., Tomato. Wadhams & Company. 352,991; Dec. 21; Serial No. 394,922; published Oct. 12, 1937.

Cheese. Northern Wisconsin Produce Company. 353,020; Dec. 21; Serial No. 396,041; published Oct. 12, 1937.

Extracts, Artificial flavoring. Wadhams & Company. 352,990; Dec. 21; Serial No. 394,921; published Oct. 12, 1937.

Feed, and shelled corn, etc., Poultry and live stock. R. V. Harper. 352,979; Dec. 21; Serial No. 394,487; published Oct. 12, 1937.

Foods, Morris & Company. 120,990; renewed Mar. 19, 1938.

Foods, Frozen. Z Processes, Inc. 352,952; Dec. 21; Serial No. 387,606; published Oct. 12, 1937.

Fruits, Fresh citrus. Dr. P. Phillips Company. 352,982–3; Dec. 21; Serial Nos. 394,549–50; published Oct. 12, 1937.

Grains used as a feed for animals, Corn distillers' dried. American Distilling Company. 352,995; Dec. 21; Serial No. 394,965; published Oct. 12, 1937.

Kelp, Dehydrated. Vita Products Company. 352,949; Dec. 21; Serial No. 379,579; published Sept. 29, 1936.

Kippers, bloaters, finnan haddocks, etc. MacGregor Fisheries Limited. 353,067; Dec. 21.

Mushroom sauce, Prepared. Russo & Rinaldi. 352,989; Dec. 21; Serial No. 394,911; published Oct. 12, 1937.

Mustard, India relish, salad-dressing, etc., Prepared. B. A. Railton Co. 121,208; renewed Apr. 16, 1938.

Oleomargarin. Armour and Company. 120,316; renewed Feb. 5, 1938.
Pickles, chow chow, sweet and sour onions, etc. Green Bay Food Company. 353,022; Dec. 21; Serial No. 396,077; published Oct. 12, 1937.
Salad-dressing. Francis H. Leggett & Company. 120,873; renewed Mar. 12, 1938.

CLASS 47

Wines. K. Arakelian, Inc. 353,031; Dec. 21; Serial No. 396,381; published Oct. 12, 1937.
Wines. Eastern Wine Corporation. 353,007; Dec. 21; Serial No. 395,818; published Oct. 12, 1937.

CLASS 48

Beer. Rio Grande Brewing Corporation. 353,048; Dec. 21; Serial No. 397,003; published Oct. 12, 1937.

CLASS 49

Brandy. Laird and Company. 353,055; Dec. 21.
Whiskey. Ben-Burk, Inc. 353,049; Dec. 21; Serial No. 397,020; published Oct. 12, 1937.
Whiskey. Granada Vineyards, Inc. 353,029; Dec. 21; Serial No. 396,307; published Oct. 12, 1937.
Whiskey. Hercules Liquor Products Corp. 353,044; Dec. 21; Serial No. 396,815; published Oct. 12, 1937.
Whiskey. London & Co. 352,955; Dec. 21; Serial No. 390,075; published Apr. 27, 1937.
Whisky. Robert McNish & Company. 352,994; Dec. 21; Serial No. 394,948; published Oct. 12, 1937.

CLASS 50

Advertising devices or signs, letters, and numerals, etc., Celluloid and metal. Emeloid Co. Incorporated. 352,950; Dec. 21; Serial No. 380,908; published Sept. 28, 1937.
Material formed of vegetable fibers in sliver form. Columbian Rope Company. 353,003; Dec. 21; Serial No. 395,856; published Oct. 5, 1937.

LIST OF LABELS

Alice Holiday. For Assorted Chocolates. Ben Myerson, Inc. 50,498; Dec. 21.
Ammen's. For Invisible Skin Powder for Men. Charles Ammen Company. 50,483; Dec. 21.
Beads. For Plain Carbonated Water. Phillips Bros. 50,502; Dec. 21.
Beech-Nut Drip Grind Coffee. For Drip Grind Coffee. Beech-Nut Packing Company. 50,487; Dec. 21.
Bee-Sweet. For Honey Flavored Syrup. Hubinger Co. 50,494; Dec. 21.
Benny's. For Candy. Ben Myerson, Inc. 50,499; Dec. 21.
Black Jack Lager Beer. For Lager Beer. New Philadelphia Brewery, Inc. 50,500; Dec. 21.
Chevron. For California Claret Wine. Florida Fruit Industries, Inc. 50,493; Dec. 21.
Chick-N-Rich. For a Food for Cats and Dogs. Poultry Food Products Inc. 50,503; Dec. 21.
Chief Oshkosh. For Lager Beer. Oshkosh Brewing Co. 50,501; Dec. 21.
Ciiobana AD-6. For a Supplemental Food Product Composed of Dried Vegetables and Animal Material, Animal and Vegetable Oils. Anabolic Food Products, Inc. 50,484; Dec. 21.
'Country Club' Honey Graham Crackers. For Graham Crackers. Kroger Grocery & Baking Co. 50,495; Dec. 21.
Desert Club. For Straight Bourbon Whiskey. J. J. Appel. 50,485; Dec. 21.
Eureka. For Raisins. Rosenberg Bros. & Co. 50,506; Dec. 21.
Grand Pop Pop Corn. For Popcorn. H. D. Cretors. 50,488; Dec. 21.
Joon Turtle Oil Compound. For a Turtle Oil Company. United Western Laboratories Inc. 50,508; Dec. 21.
Junior Clique Frocks. For Frocks. Barmon Brothers Company. Barmon Brothers Company. 50,486; Dec. 21.
Let Us Show What Nature Knows. For Cosmetics. F. Elmquist. 50,491; Dec. 21.
Linoquick. For Water-Proof Finish for Floors, Linoleums, and all Exterior and Interior Finishes. Red Spot Paint & Varnish Co. 50,505; Dec. 21.
Meyenberg. For Evaporated Goat Milk. Meyenberg Milk Products Co. 50,497; Dec. 21.
Morning After. For a Mixer Beverage. Red Arrow Bottling Works. 50,504; Dec. 21.
One Friend Tells Another. For Tablets for Relief of Gastritis and Stomach Ulcers Caused by Gastric Hyper-Acidity and for Relief of Acid Stomach and Acid Stomach Ulcers. Omaha Von Company. 50,509; Dec. 21.
Pennant Syrup. For Syrup. Union Starch and Refining Company. 50,507; Dec. 21.
Pinemalt Cough-Nips. For Cough Candy. Windt Chemists, Inc. 50,510; Dec. 21.
Saucy Sauce. For a Sauce. R. S. Fagan. 50,490; Dec. 21.
Skalp Aid. For a Preparation for the Eradication of Dandruff. Enger Drug Co. 50,492; Dec. 21.
Vitamin 'D' Town Talk Bread. For Bread. Worcester Baking Co. 50,511; Dec. 21.
Washington Maid Ice Cream. For Ice Cream. Menasha Products Company. 50,496; Dec. 21.
Wheatmix. For Breakfast Food. Dwarfies Corporation. 50,489; Dec. 21.

LIST OF PRINTS

Allur-Ring. For Finger Rings. Nat Levy-Urie Mandle Corporation. 16,625; Dec. 21.
Bemis Waterproof Bags. For Waterproof Bags. Bemis Bro. Bag Co. 16,616–18; Dec. 21.
Christmas-In-Cookies! For Flour. General Mills, Inc. 16,624; Dec. 21.
Flex-O-Fix—Plastic—Elastic. For A Plastic Rubber Material. Frund Products Company. 16,621; Dec. 21.
For All the Children of America . . . America's Greatest Miller sets out to Produce a Perfect Breakfast Cereal! For Cereal Food. General Mills, Inc. 16,623; Dec. 21.
4 Your Sweet 2th MacFarlane Candy. For Candy. Awful Fresh MacFarlane. 16,614; Dec. 21.
Fun-L-Pak. For Grease. Southwest Grease and Oil Company. 16,628; Dec. 21.
Holds like a Full Nelson. For Wire Fence. Continental Steel Corporation. 16,620; Dec. 21.
Jitters. For a Setup. Natural Set-Up Sales Corporation. 16,626; Dec. 21.
Lawson Little Lord of the Links "A Breakfast of Champions—the Tops Winter and Summer!" For Cereal Food. General Mills, Inc. 16,622; Dec. 21.
Nuts "2 U" Awful Fresh MacFarlane. For Nuts. Awful Fresh MacFarlane. 16,615; Dec. 21.
Pinemalt Cough Lolli-Pals. For Cough Remedy. Windt Chemists, Inc. 16,631; Dec. 21.
What the Radio Beam does for the Pilot Parker's Television Pen does for You. For Fountain Pens, Mechanical Pencils, and Ink. Parker Pen Company. 16,627; Dec. 21.
Willson Day and Night Goggles. For Day and Night Goggles. Willson Products, Inc. 16,629; Dec. 21.
Willson Sport Goggles. For Sport Goggles. Willson Products, Inc. 16,630; Dec. 21.
Your Key to Smiles. For Receptacle Openers. Buchanan & Company. 16,619; Dec. 21.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adartcraft, Incorporated. (See Shaw, Louis E., assignor.)
Bouveng, Nils, Elgo, Sweden, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J. Film magazine. 20,595; Dec. 21.
Dependable Tuft Corporation. (See Thiele, Frank, assignor.)
Eastman Kodak Company. (See Bouveng, Nils, assignor.)
Greensfelder, Bernard S. (See Taylor, J. F. M., Greensfelder, and Shiras.)
Jackson, Lucian C., Buffalo, N. Y. Internal combustion engine. 20,597; Dec. 21.
Mosesian, Moses P., Fresno, Calif. Packing container. 20,598; Dec. 21.
Phillips Petroleum Company, et al. (See Taylor, J. F. M., Greensfelder, and Shiras, assignors.)
Revelation Patents Holding Company. (See Ruben, Samuel, assignor.)
Ruben, Samuel, New Rochelle, assignor, by mesne assignments, to Revelation Patents Holding Company, New York, N. Y. Vacuum tube. 20,602; Dec. 21.
Shaw, Louis E., East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y. Display device. 20,599; Dec. 21.
Shell Development Company et al. (See Taylor, J. F. M., Greensfelder, and Shiras, assignors.)
Shiras, Russell N. (See Taylor, J. F. M., Greensfelder, and Shiras.)
Stude, Edwin G., Minneapolis, Minn. Fluid power controlling mechanism. 20,600; Dec. 21.
Taylor, Jack F. M., and B. S. Greensfelder, San Francisco, and R. N. Shiras, Long Beach, assignors of one-half to Shell Development Company, San Francisco, Calif., and one-half to Phillips Petroleum Company, Bartlesville, Okla. Manufacturing motor fuel. 20,596; Dec. 21.
Thiele, Frank, Brooklyn, N. Y., assignor, by mesne assignments, to Dependable Tuft Corporation, Philadelphia, Pa. Snap fastener. 20,601; Dec. 21.

LIST OF DESIGN PATENTEES

Accessories Company, The. (See Sakler, George, assignor.)
Allied Engineering Company. (See Grange, E. A., Kaptuller, and Schmidt, assignors.)
American Hard Rubber Company. (See Ruckdeschel, E. C., and Brady, assignors.)
Autopoint Company. (See Holmgren, O. F., and Petzold, assignors.)
Baker, Sylvester A., San Francisco, Calif. Combined chimney and lamp shade. 107,496; Dec. 21.
Beldoch, Albert I., New York, N. Y. Belt. 107,607; Dec. 21.
Brady, Pauline, Newark, N. J. Monogram napkin ring. 107,497; Dec. 21.
Brady, William N. (See Ruckdeschel, E. C., and Brady.)
Bridgeport Metal Goods Manufacturing Company, The. (See Price, Howard M., assignor.)
Brooks, John W. H., Philadelphia, Pa. Textile fabric. 107,593; Dec. 21.
Brooks, John W. H., Philadelphia, Pa. Textile fabric. 107,608; Dec. 21.
Brooks, John W. H., Philadelphia, Pa. Textile fabric. 107,625; Dec. 21.
Butler Manufacturing Company. (See George, Ralph D., assignor.)
Chicago Flexible Shaft Company. (See Scharfenberg, George T., assignor.)
Cicardo, Sally, New York, N. Y. Dress. 107,609; Dec. 21.
Colcord, Carl, New York, N. Y. Dress ensemble. 107,610; Dec. 21.
Coleman, Tora, New York, N. Y. Dress. 107,611; Dec. 21.
Coleman, Tora, New York, N. Y. Dress. 107,612; Dec. 21.
Comolli, Sylvia, New York, N. Y. Dress. 107,626; Dec. 21.
Conn, C. G., Ltd. (See Loney, Hugh W., assignor.)
Cook, William, assignor to Eagle Pencil Company, New York, N. Y. Pencil tip. 107,498; Dec. 21.
Cook, William, assignor to Eagle Pencil Company, New York, N. Y. Pencil tip. 107,499; Dec. 21.
Cook, William, assignor to Eagle Pencil Company, New York, N. Y. Pencil tip. 107,500; Dec. 21.
Cooper, Nathan, assignor of one-half to Ladislaus Robaczynski, Brooklyn, N. Y. Knitted vest. 107,613; Dec. 21.
Cromwell, Robert H., Los Angeles, Calif. Combination desk unit. 107,594; Dec. 21.
Cutler-Hammer, Inc. (See Stevens, Clifford B., assignor.)
Davis, Gaspé H., Van Nuys, Calif. Toilet odor expeller casing. 107,501; Dec. 21.
Debivay Hats, Inc. (See Schoen, Elizabeth, assignor.)
Deere & Company. (See McCormick, Elmer, assignor.)
Defiance Pressed Steel Company, The, et al. (See Graff, George R., assignor.)
Delf, George A., St. Louis, assignor, by mesne assignments, to F. I. Roach, Kansas City, Mo. Corn popping machine case. 107,502; Dec. 21.
De Vilbiss Company, The. (See Vuillemenot, Frederic A., assignor.)
Dual Parking Meter Company. (See McGay, J. B., and Nicholson, assignors.)
Eagle Pencil Company. (See Cook, William, assignor.)
Ebling, Walter, assignor to E. P. Reed & Co., Rochester, N. Y. Shoe. 107,503; Dec. 21.
Erhard, Gustave F., assignor to The Scranton Lace Company, Scranton, Pa. Curtain. 107,614; Dec. 21.
Erk, Reinhold V., Waynesville, N. C. Combined educational letter opener and ruler. 107,570; Dec. 21.
Farber, Louis, Yonkers, N. Y. Bowl. 107,504; Dec. 21.
Faulhaber, Roland W. (See Waldron, C. R., and Faulhaber.)
Felmann, Henri, Chicago, Ill. Handbag. 107,505; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,506; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,507; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,508; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,509; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,510; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,595; Dec. 21.
Felmann, Henri, Chicago, Ill. Handbag. 107,596; Dec. 21.
Forman, Morris, New York, N. Y. Textile fabric. 107,615; Dec. 21.
Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Refrigerator cabinet body. 107,571; Dec. 21.
General Distilleries Corporation. (See Shoor, Julian, assignor.)
Gentile, Robert S., New York, N. Y. Textile fabric. 107,597; Dec. 21.
Gentile, Robert S., New York, N. Y. Textile fabric. 107,616; Dec. 21.
George, Ralph D., assignor to Butler Manufacturing Company, Kansas City, Mo. Trailer tank. 107,511; Dec. 21.
Gerth, William H., New York, N. Y., and A. Krautheim, Selb, Germany, assignors to Oneida, Limited, Oneida, N. Y. Dish or similar article. 107,598; Dec. 21.
Glascock Brothers Mfg. Co. (See Frick, Chester A., assignor.)
Goerlich, John E., et al. (See Graff, George R., assignor.)
Graber, Delbert W., Salem, Oreg. Automobile. 107,512; Dec. 21.
Graff, George R., assignor of one-half to J. E. Goerlich, Toledo, and one-half to The Defiance Pressed Steel Company, Marion, Ohio. Automobile heater or the like. 107,513; Dec. 21.
Graff, George R., assignor of one-half to J. E. Goerlich, Toledo, and one-half to The Defiance Pressed Steel Company, Marion, Ohio. Automobile heater or the like. 107,514; Dec. 21.
Grange, Edward A., A. F. Kaptuller, and E. J. Schmidt, assignors to Allied Engineering Company, Chicago, Ill. Wheel for a roller skate or the like. 107,515; Dec. 21.

Greenman, Jack, New York, N. Y. Dress. 107,627; Dec. 21.
Greenman, Jack, New York, N. Y. Dress. 107,628; Dec. 21.
Greenman, Jack, New York, N. Y. Dress. 107,629; Dec. 21.
Guild, Lurelle, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa. Food server or similar article. 107,516; Dec. 21.
Hall, Mercedes, New York, N. Y. Dress. 107,599; Dec. 21.
Hall, Mercedes, New York, N. Y. Dress. 107,630; Dec. 21.
Hall, Mercedes, New York, N. Y. Dress. 107,631; Dec. 21.
Hamilton, Homer G., Des Moines, Iowa. Glass cutting tool. 107,517; Dec. 21.
Hamilton, J. T. & A., Company. (See Kihn, Lawrence J., assignor.)
Hazel-Atlas Glass Company. (See Peters, Ralph, assignor.)
Heil Co., The. (See Thwaits, Frederick G., assignor.)
Heywood-Wakefield Company. (See Loewy, Raymond, assignor.)
Hochman, Sol B., New York, N. Y. Slip. 107,572; Dec. 21.
Hochman, Sol B., New York, N. Y. Slip. 107,573; Dec. 21.
Holmgren, Oscar F., White Plains, N. Y., and W. B. Petzold, Providence, R. I., assignors to Autopoint Company, Chicago, Ill. Desk memorandum sheet holder. 107,518; Dec. 21.
Holstein, Frank F., Chicago, Ill. Lamp. 107,519; Dec. 21.
Hullings, Edward P., Mount Holly, N. J. Textile fabric. 107,617; Dec. 21.
Illinois Watch Case Company. (See Muller-Munk, Peter, assignor.)
Illinois Watch Case Company. (See Muller-Munk, Peter, assignor.)
Johnson, Alvin L., Ottawa Hills, assignor to The Logan Gear Company, Toledo, Ohio. Axle stand. 107,574; Dec. 21.
Johnson, John H., Toronto, Ontario, Canada, assignor to K & W Rubber Corporation, Delaware, Ohio. Cushion. 107,520; Dec. 21.
K & W Rubber Corporation. (See Johnson, John H., assignor.)
Kaptuller, Alexander F. (See Grange, E. A., Kaptuller, and Schmidt.)
Karpark Corporation, The. (See Loewy, Raymond, assignor.)
Kensington, Incorporated. (See Guild, Lurelle, assignor.)
Kihn, Lawrence J., Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company. Glass bottle. 107,575; Dec. 21.
Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth. (See Kropsch, Richard, assignor.)
Koons, Benjamin H. (See Moore, J. E., and Koons.)
Krautheim, Albert. (See Gerth, W. H., and Krautheim.)
Kress, S. H., and Company. (See Sibbert, Edward F., assignor.)
Kropsch, Richard, assignor to Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia. Pencil. 107,521; Dec. 21.
Kruck, Ralph E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Electric fan. 107,522; Dec. 21.
Kurtz, Sol, New York, N. Y. Sweater. 107,600; Dec. 21.
Lampl, Walter, New York, N. Y. Charm or the like. 107,523; Dec. 21.
Lefrak, Benjamin, New York, N. Y. Cape. 107,524; Dec. 21.
Levine, Jacob, New York, N. Y. Shoe. 107,525; Dec. 21.
Little, John M., and H. L. van Doren, assignors to Toledo Scale Manufacturing Company, Toledo, Ohio. Scale casing. 107,526; Dec. 21.
Loewy, Raymond, assignor to The Karpark Corporation, New York, N. Y. Parking meter housing. 107,527; Dec. 21.
Loewy, Raymond, assignor to The Karpark Corporation, New York, N. Y. Parking meter housing. 107,528; Dec. 21.
Loewy, Raymond, assignor to The Karpark Corporation, New York, N. Y. Parking meter housing. 107,529; Dec. 21.
Loewy, Raymond, assignor to The Karpark Corporation, New York, N. Y. Parking meter housing. 107,530; Dec. 21.
Loewy, Raymond, assignor to The Karpark Corporation, New York, N. Y. Parking meter housing. 107,531; Dec. 21.
Loewy, Raymond, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 107,532; Dec. 21.
Loewy, Raymond, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 107,533; Dec. 21.
Loewy, Raymond, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass. End standard for theater chairs. 107,534; Dec. 21.
Logan Gear Company, The. (See Johnson, Alvin L., assignor.)
Loney, Hugh W., assignor to C. G. Conn, Ltd., Elkhart, Ind. Mouthpipe key for a saxophone. 107,535; Dec. 21.
Long, Nelson A., Duluth, Minn. Statuette or similar article. 107,576; Dec. 21.
Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)
Maywood Glass Co. (See Moore, James E., assignor.)
Maywood Glass Co. (See Moore, J. E., and Koons, assignors.)
McCain, Edwin W., St. Louis, Mo. Shoe. 107,536; Dec. 21.
McCain, Edwin W., St. Louis, Mo. Shoe. 107,537; Dec. 21.
McCann, Thomas, Brooklyn, N. Y. Telephone casing. 107,538; Dec. 21.
McCormick, Elmer, Waterloo, Iowa, assignor to Deere & Company, Moline, Ill. Tractor body. 107,539; Dec. 21.
McGay, John B., and G. E. Nicholson, Tulsa, assignors to Dual Parking Meter Company, Oklahoma City, Okla. Parking meter housing. 107,577; Dec. 21.
McHale, Thomas D., Los Angeles, Calif. Milk pail. 107,540; Dec. 21.
Miller, Henry, New York, N. Y. Coat. 107,601; Dec. 21.
Miller, Henry, New York, N. Y. Coat. 107,632; Dec. 21.
Moore, James E., assignor to Maywood Glass Co., Los Angeles, Calif. Bottle. 107,541; Dec. 21.
Moore, James E., and B. H. Koons, assignors to Maywood Glass Co., Los Angeles, Calif. Bottle. 107,542; Dec. 21.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Illinois Watch Case Company, Elgin, Ill. Mirror or similar article. 107,543; Dec. 21.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to Illinois Watch Case Company, Elgin, Ill. Brush or similar article. 107,544; Dec. 21.
Nicholson, George E. (See McGay, J. B., and Nicholson.)
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair. 107,545; Dec. 21.
Oneida, Limited. (See Gerth, W. H., and Krautheim, assignors.)
Owens-Illinois Glass Company. (See Toulouse, Julian H., assignor.)
Penn, Edgar V., Madison, N. C. Buckle. 107,546; Dec. 21.
Peters, Ralph, Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Tumbler. 107,547; Dec. 21.
Petzold, William B. (See Holmgren, O. F., and Petzold.)
Planco, Murray, New York, N. Y. Shoe or similar article. 107,602; Dec. 21.
Price, Howard M., Toledo, Ohio, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Flashlight casing. 107,578; Dec. 21.
Ranney, Fred T., Kansas City, Mo. Highway marker. 107,579; Dec. 21.
Reed, E. P., & Co. (See Ebling, Walter, assignor.)
Reid, Elmer A., Morrisville, Pa. Humidifier. 107,548; Dec. 21.
Roach, Floyd I. (See Delf, George A., assignor.)
Robaczynski, Ladislaus. (See Cooper, Nathan, assignor.)
Rogers, Robert, Detroit, Mich. Automobile body. 107,549; Dec. 21.
Ross, Walter, New York, N. Y. Textile fabric. 107,603; Dec. 21.
Ruckdeschel, Elsa C., New York, and W. N. Brady, Piermont, assignors to American Hard Rubber Company, New York, N. Y. Curling comb. 107,550; Dec. 21.
Sakler, George, assignor to The Accessories Company, Inc., New York, N. Y. Combined lavatory and cabinet. 107,551; Dec. 21.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Toaster. 107,552; Dec. 21.
Schiessel, Philip, New York, N. Y. Dress. 107,618; Dec. 21.
Schmidt, Erwin J. (See Grange, E. A., Kaptuller, and Schmidt.)
Schoen, Elizabeth, assignor to Debway Hats, Inc., New York, N. Y. Hat. 107,553; Dec. 21.
Scranton Lace Company, The. (See Erhard, Gustave F., assignor.)
Shoor, Julian, assignor to General Distilleries Corporation, Hartford, Conn. Bottle. 107,580; Dec. 21.
Sibbert, Edward F., Brooklyn, assignor to S. H. Kress and Company, New York, N. Y. Baffle element for lighting fixtures. 107,554; Dec. 21.
Sibbert, Edward F., Brooklyn, assignor to S. H. Kress and Company, New York, N. Y. Baffle element for lighting fixtures. 107,555; Dec. 21.
Sleverling, Mav M., Burdett, Kans. Pot holder or the like. 107,619; Dec. 21.
Smith, Marie E., New York, N. Y. Dress. 107,620; Dec. 21.
Snowden, John W., Philadelphia, Pa. Textile fabric. 107,604; Dec. 21.
Sobel, Harry, New York, N. Y. Shoe. 107,556; Dec. 21.
Sobel, Harry, New York, N. Y. Shoe. 107,557; Dec. 21.
Sobel, Harry, New York, N. Y. Shoe. 107,558; Dec. 21.
Solomon, Mortimer, New York, N. Y. Combination slacks and suspenders. 107,581; Dec. 21.
Stetson Shoe Company, The. (See Wales, Burton L., assignor.)

Stevens, Clifford B., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric controlling device. 107,559; Dec. 21.
Stiglitz, Irving, New York, N. Y. Embroidered fabric. 107,621; Dec. 21.
Stone, Mollie, New York, N. Y. Dress. 107,633; Dec. 21.
Straub, Walter F., assignor to W. F. Straub & Company, Chicago, Ill. Jar or similar container. 107,582; Dec. 21.
Straub, W. F., & Company. (See Straub, Walter F., assignor.)
Swedlin, Jacob, Brooklyn, assignor to J. Swedlin, Inc., New York, N. Y. Toy doll. 107,583; Dec. 21.
Swedlin, J., Inc. (See Swedlin, Jacob, assignor.)
Taylor, Donald D., Duncannon, Pa. Power-driven hand tool unit. 107,560; Dec. 21.
Telser, Arthur R. (See Young, A. A., and Telser.)
Terrie, Daniel G., Rockville Centre, N. Y. Building. 107,635; Dec. 21.
Thacher, Sheldon P., Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y. Pneumatic tire. 107,584; Dec. 21.
Thompson, Van E., Dearborn, Mich. Automobile hood antenna. 107,562; Dec. 21.
Thwaits, Frederick G., Wauwatosa, assignor to The Heil Co., Milwaukee, Wis. Vehicular tank. 107,563; Dec. 21.
Titze, Walter K., San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio. Pitcher or similar article. 107,564; Dec. 21.
Titze, Walter K., San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio. Combined refrigerator dish and cover or similar article. 107,565; Dec. 21.
Titze, Walter K., San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio. Combined bowl and cover or similar article. 107,585; Dec. 21.
Toledo Scale Manufacturing Company. (See Little, J. M., and van Doren, assignors.)
Tomshinsky, Victor, New York, N. Y. Dress. 107,622; Dec. 21.
Toulouse, Julian H., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 107,586; Dec. 21.
Treviño, Ramon J., Albuquerque, N. Mex. Burial casket. 107,587; Dec. 21.
Turpan, Mark, West New York, N. J. Textile fabric. 107,605; Dec. 21.
Turpan, Mark, West New York, N. J. Textile fabric. 107,623; Dec. 21.
Turpan, Mark, West New York, N. J. Textile fabric. 107,634; Dec. 21.
Turpan, Mark, West New York, N. J. Textile fabric. 107,635; Dec. 21.
United States Rubber Products, Inc. (See Thacher, Sheldon P., assignor.)
Universal Potteries, Inc. (See Titze, Walter K., assignor.)
Van Doren, Harold L. (See Little, J. M., and van Doren.)
Vaught, Karl R., Indianapolis, Ind. Walking support for invalids. 107,588; Dec. 21.
Vuillemenot, Frederic A., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 107,566; Dec. 21.
Waldron, Charles R., Norwalk, Ohio, and R. W. Faulhaber, Alma, Mich. Saddle. 107,589; Dec. 21.
Wales, Burton L., Abington, assignor to The Stetson Shoe Company, Inc., Weymouth, Mass. Shoe. 107,567; Dec. 21.
Walker, Chester E., Branson, Mo. Mailing novelty. 107,568; Dec. 21.
Waxberg, Augusta, New York, N. Y. Dress. 107,606; Dec. 21.
Welch, Irene, New York, N. Y. Dress. 107,569; Dec. 21.
Westinghouse Electric & Manufacturing Company. (See Kruck, Ralph E., assignor.)
Young, Arthur A., and A. R. Telser, Chicago, Ill. Theater lobby advertising device. 107,590; Dec. 21.
Young, Arthur A., and A. R. Telser, Chicago, Ill. Theater lobby advertising device. 107,591; Dec. 21.
Zell, David H., Brooklyn, N. Y. Coin bank. 107,592; Dec. 21.
Zinn, Harry, New York, N. Y. Dress. 107,624; Dec. 21.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott Laboratories. (See Raiziss, G. W., and Clemence, assignors.)
Abercrombie Pump Company. (See Allen, Herbert, assignor.)
Acy, Harry A., Louisville, Ky. Automobile rear advertising carrier. 2,102,987; Dec. 21.
Adamson, Percy, Rye, assignor to United States Rubber Company, New York, N. Y. Elastic fabric and garment. 2,103,133; Dec. 21.
Addink, Nicolaas W. H., Eindhoven, Netherlands, assignor to General Electic Company. Gaseous electric discharge device. 2,103,053; Dec. 21.
Addressograph-Multigraph Corporation. (See Osborn, Henry C., assignor.)
Adirondack Foundries and Steel Incorporated. (See Akitt, Norman B., assignor.)
Adjustable Scaffold & Form Company. (See McDill, Rex D., assignor.)
Air Reduction Company. (See Faulkner, Lionel E., assignor.)
Akahira, Takeo, Takinogawa-ku, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan. Apparatus for manufacturing a coated insulated wire. 2,103,134; Dec. 21.
Akitt, Norman B., Troy, assignor to Adirondack Foundries and Steel Incorporated, Watervilet, N. Y. Hopper car construction. 2,103,132; Dec. 21.
Aktiebolaget Facit. (See Gustafsson, E. V., and Hellgren, assignors.)
Aktiebolaget Ljungstroms Angturbin. (See Lysholm, A., Horney, and Wahlsten, assignors.)
Aktiengesellschaft Brown Boveri & Cie. (See Hürlimann, Max., assignor.)
Alberg, Henry, Millstadt, Ill. Safety device for locks. 2,102,583; Dec. 21.
Alco Products Incorporated. (See Patton, Cuyler S., assignor.)
Alexander, James R., Jr., Lansdowne, Pa., assignor to General Electric Company. Control system. 2,102,664; Dec. 21.
All Steel Trailer Company. (See Byington, William C., assignor.)
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,102,988; Dec. 21.
Allen, Herbert, assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex. Pump. 2,102,665; Dec. 21.
Allis-Chalmers Manufacturing Company. (See Newhouse, R. C., and Puerner, assignors.)
Alterthum, Hans, Berlin-Wilmersdorf, and A. Lompe, Berlin, Germany, assignors to General Electric Company. Gaseous electric discharge lamp devices. 2,103,027; Dec. 21.
American Can Company. (See Bach, Neils P., assignor.)
American Smelting and Refining Company. (See Poland, Frank F., assignor.)
American Telephone and Telegraph Company. (See Howle, Louis W., assignor.)
American Telephone and Telegraph Company. (See Neiswinter, James T., assignor.)
Amsler, Alfred J., Schaffhouse, Switzerland. Measuring device, particularly for machines for testing materials. 2,102,872; Dec. 21.
Anderson, Clayton G., assignor of forty-nine per cent to C. P. Dougherty, Portland, Oreg. Automatic draft control. 2,102,873; Dec. 21.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Inc., (1922). Stoker conveyer. 2,103,209; Dec. 21.
Anderson, Ralph W. (See McCoy, V. E., and Anderson.)
Andre, Gustaf E., Richmond, Ind. Wringer. 2,102,827; Dec. 21.
Andrews, Edward F., Chicago, Ill. Radio receiver. 2,103,135; Dec. 21.
Annen, James E., assignor to Sutherland Paper Company, Kalamazoo, Mich. Container. 2,102,666; Dec. 21.
Apollo Metal Works. (See Romanoff, Frank P., assignor.)
Argabrite, George M., deceased, Chicago, M. M. Argabrite, executrix, assignor to W. H. Argabrite, Desplaines, Ill. Leather processing. 2,102,667; Dec. 21.
Argabrite, Margaret M., executrix. (See Argabrite, George M.)
Argabrite, Wesley H. (See Argabrite, George M., assignor.)
Arkell, Bartlett. (See Du Bois, Alfred, assignor.)
Arkell, Bartlett. (See Tooker, John N., assignor.)
Arkell Safety Bag Company. (See Robinson, Francis T., assignor.)

Armstrong-Blum Mfg. Co. (See Blum, George J., assignor.)
Armstrong Siddeley Motors Limited. (See Cutler, Gerard M., assignor.)
Arndt, Kurt, Detroit, Mich. Package and package handling means for airplanes. 2,102,604; Dec. 21.
Arnold, Clarence F., Drexel Hill, Pa. Fringed rug. 2,102,934; Dec. 21.
Ateliers et Chantiers de la Manche. (See Berry, Francois J., assignor.)
Auerswald, Ralph R., San Diego, Calif. Butter-substitute mixing and molding device. 2,102,874; Dec. 21.
Automatic Instrument Company. (See Green, Clifford H., assignor.)
Automatic Truck Loader Corporation. (See Goodman, Joseph, assignor.)
Autoxygen Inc. (See Kokatnur, Vaman R., assignor.)
Bach, Neils P., Geneva, assignor to American Can Company, New York, N. Y. Can and cover feeding mechanism. 2,102,605; Dec. 21.
Bailey, David C., Amesbury, Mass. Window glass channel lining. 2,102,935; Dec. 21.
Bailey, David C., Amesbury, Mass. Window glass guide. 2,102,936; Dec. 21.
Bailey, George B., Sharon, Mass. Power transmitting apparatus and control means therefor. 2,102,606; Dec. 21.
Bakelite Building Products Co. Inc. (See Harshberger, Norman P. and K. M., assignors.)
Baker, David S., Greenwich, Conn. Method and apparatus for treating materials. 2,102,607; Dec. 21.
Baker, Judd O., Westmont, N. J., assignor to Radio Corporation of America. Sound recording apparatus. 2,102,776; Dec. 21.
Baker, Judd O., Westmont, and C. N. Batsel, Haddonfield, N. J. assignors to Radio Corporation of America. Photophonographic apparatus. 2,102,777; Dec. 21.
Baker, Lewis T., Jacksonville, Fla. Rosin sampler. 2,102,875; Dec. 21.
Ball Brothers Company. (See Ludington, Lawrence L., assignor.)
Ballantine, Stuart, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Piezoelectric loudspeaker. 2,102,608; Dec. 21.
Bangert, Friedrich K. G., assignor to O. H. Dräger, Lubeck, Germany. Detecting chemically reactive gases. 2,103,136; Dec. 21.
Banks, Daniel B. (See Barton, P. D., and Banks.)
Barieau, Jerome E., Auburn, Calif. Ski binding. 2,102,669; Dec. 21.
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,102,876; Dec. 21.
Barnett, Edward J., Compton, Calif. Device for dispensing measured quantities of divided solid material. 2,102,877; Dec. 21.
Barostat Company. (See Coffin, John R., assignor.)
Barton, Paul D., Scarsdale, N. Y., and D. B. Banks, Upper Darby, assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa. Dewaxing hydrocarbon oils. 2,102,828; Dec. 21.
Basgan, Ion, Bucharest, Rumania. Rotary well drilling apparatus. 2,103,137; Dec. 21.
Batsell, Cecil N. (See Baker, J. O., and Batsell.)
Bauer, Jordan V., assignor to Stein, Hall Manufacturing Company, Chicago, Ill. Plyboard adhesive. 2,102,937; Dec. 21.
Bayer, Otto. (See Helberger, J. H., and Bayer.)
Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. cleaner. 2,103,054; Dec. 21.
Becker, Christopher A., Nutley, and W. C. Seyter, Union City, N. J., assignors to The Torsion Balance Company, New York, N. Y. Keyboard balance. 2,102,938; Dec. 21.
Becker, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company. Coking retort oven. 2,102,608; Dec. 21.
Becker, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company. Coking retort oven. 2,102,609; Dec. 21.
Becker, Oskar W., Heidelberg, and E. Weiss, assignors to Naturin G. m. b. H., Weinheim, Germany. Hardening waterproofing artificial gut produced from animal fibrous material. 2,103,138; Dec. 21.
Beers, George L., Collingswood, N. J., assignor to Radio Corporation of America. Thermionic amplifier. 2,102,779; Dec. 21.
Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kinkead, Fullerton S., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stilwell, George R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Ulrich, Horace W., assignor.)
Bendix Aviation Corporation. (See Carroll, Eugene G., assignor.)
Bendix Aviation Corporation. (See Hunt, Scott F., assignor.)
Bendix Aviation Corporation. (See McDonald, Eugene G., assignor.)
Bendix Brake Company. (See Carroll, Eugene G., assignor.)
Bendix Brake Company. (See Rosner, Adolph, assignor.)
Bendix Products Corporation. (See Koppel, Ernest R., assignor.)
Bendix Products Corporation. (See La Brie, Ludger E., assignor.)
Bendix Products Corporation. (See White, John W., assignor.)
Bendix Research Corporation. (See Johnson, Carl V., assignor.)
Benedict, Wayne L., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,102,878; Dec. 21.
Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Sandwich toaster with interchangeable grids. 2,102,879; Dec. 21.
Berch, Samuel H., Beverly Hills, Calif. Packing food products and the like. 2,102,716; Dec. 21.
Bergmann, Christian N., Pittsburgh, assignor of two-sixths to C. M. Clarke, Sewickley, Pa. Container conveyer and distributor. 2,103,107; Dec. 21.
Bergquist, Nils O., Alsten, Sweden. Map in book form. 2,103,139; Dec. 21.
Berry, Francois J., Lille (Nord), assignor to Ateliers et Chantiers de la Manche, Dieppe, France. Apparatus for dry separation of materials of different densities. 2,102,880; Dec. 21.
Bibb Manufacturing Company. (See Gwaltney, E. C., Graybill, and Newton, assignors.)
Bickley, Everett H., Bala-Cynwyd, Pa. Liquid level indicating valve. 2,103,055; Dec. 21.
Bielfeldt, Paul W., Grand Rapids, Mich., assignor to Swenson Evaporator Company, Harvey, Ill. Filtration. 2,102,780; Dec. 21.
Bieretz, Edward D., Baltimore, Md. Selective gearing mechanism and automatic fluid control therefor. 2,102,781; Dec. 21.
Birkenmaier, Theodore, assignor to W. N. Matthews Corporation, St. Louis, Mo. Cut-out and joint therefor. 2,103,056; Dec. 21.
Bishop, Richard E., South Orange, N. J., assignor to A. C. Horn & Company, Long Island City, N. Y. Calking gun. 2,102,939; Dec. 21.
Bishop, William T., assignor to Hercules Powder Company, Wilmington, Del. Production of xanthates of resin alcohols. 2,103,140; Dec. 21.
Black, Harold S., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,102,670; Dec. 21.
Black, Harold S., Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,102,671; Dec. 21.
Black, Irving E., F. J. Hoffer, and H. B. Silver, assignors to Plastic Seal Corporation, Brooklyn, N. Y. Container sealing machine. 2,103,213; Dec. 21.
Blackburn, Jasper, and J. A. Weaver, Jr., Webster Groves, Mo. Frictional wire connecter. 2,102,881; Dec. 21.
Blashill, Arthur E., Withington, Manchester, England. Method and apparatus for unwinding wire, thread, or the like. 2,102,610; Dec. 21.
Blocker, Jay D. (See Neel, T. W., and Blocker.)
Blum, George J., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill. Hacksaw. 2,102,782; Dec. 21.
Blumer, Jacob C., Monroe, Wis., assignor to Freyn Engineering Company, Chicago, Ill. Gas and air trap. 2,103,057; Dec. 21.
Boehringer, C. F., & Soehne G. m. b. H. (See Müller, R., Schenck, and Wirbatz, assignors.)
Boivin, Peter H., Granby, Quebec, Canada. Braided article. 2,102,829; Dec. 21.
Bokovoy, Samuel A., Audubon, N. J., assignor to Radio Corporation of America. Constant temperature apparatus. 2,102,783; Dec. 21.
Bol, Cornelis. (See Druyvesteyn, M. J., Uyterhoeven, Bol., and van Dam.)
Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company. Electric conduction device. 2,103,028; Dec. 21.
Boothe, Eugene F., assignor to J. R. Kearney Corporation, St. Louis, Mo. Fuse link. 2,102,882; Dec. 21.
Bornfleith, Edward A., et al. (See Hester, John C., assignor.)
Bose, Theodore W., Santa Ana, Calif. Orchard heating system. 2,102,989; Dec. 21.
Bouwers, Albert, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for charging condensers. 2,102,883; Dec. 21.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 2,103,141; Dec. 21.
Bowers, Thomas A., Boston, Mass. Compacting apparatus. 2,103,142; Dec. 21.
Bradley, Milton, Company. (See Ford, William H., assignor.)
Breese, James L., Santa Fe, N. Mex. Draft regulator. 2,102,884; Dec. 21.
Bridgeport Brass Company. (See Broecker, L. C., and Ferguson, assignors.)
Bridges, Kenneth L., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Making a wear indicating tire. 2,102,784; Dec. 21.
Briggs, Robert E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Material treating apparatus. 2,102,990; Dec. 21.
Briggs, Robert E., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Sewage disposal apparatus. 2,102,991; Dec. 21.
Brill, John L., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 2,102,830; Dec. 21.
Brill, John L., Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fertilizer manufacture. 2,102,831; Dec. 21.
Brill, Rudolf. (See Scheuermann, A., Brill, and Wietzel.)
Brixey, Austin D., Greenwich, Conn., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Remote controlled sound producing apparatus. 2,102,672; Dec. 21.
Broecker, Lewis C., Bridgeport, and J. Ferguson, Southbury, assignors to Bridgeport Brass Company, Bridgeport, Conn. Pneumatic valve. 2,103,108; Dec. 21.
Brooks, Clyde, New Orleans, La. Method of and apparatus for sedimentation testing of blood. 2,102,785; Dec. 21.
Brouwer, Benjamin W., Auburn, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle box construction for looms. 2,102,832; Dec. 21.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Constant tension let-off mechanism. 2,103,200; Dec. 21.
Brown, Davis, Los Angeles, Calif. Automatic proportioning device. 2,102,584; Dec. 21.
Brown, Laverne S., Gaines, Pa. Differential gear. 2,103,143; Dec. 21.
Brown, Mortimer J., Niagara Falls, N. Y. Gasket. 2,102,673; Dec. 21.
Brown, William Y., Charlotte, assignor of one-third to W. C. Honeycutt, Black Mountain, and one-third to R. H. Garland, Charlotte, N. C. Wheel truck. 2,102,674; Dec. 21.
Browne, Edwin H. (See Otting, H. E., Browne, and Hull.)
Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Applying developer to a moving print. 2,102,585; Dec. 21.
Buchanan, David L., White Marsh, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Water heating system. 2,102,940; Dec. 21.
Budd, Edward G., Manufacturing Company. (See Buchanan, David L., assignor.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Bulldog Electric Products Company. (See Frank, William H., assignor.)
Burns, Claramae B. (See von Ledermann, Lucie, assignor.)
Burtenshaw, George H., Taumarunui, New Zealand, assignor to The Dentists' Supply Company of New York, New York, N. Y. Denture demonstrating device. 2,103,058; Dec. 21.
Bush, Paine L., Dallas, Tex. Holder for razor blades. 2,102,675; Dec. 21.
Buttolph, Leroy J., Grantwood, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Method of and apparatus for operating electric discharge devices. 2,103,059; Dec. 21.
Byington, William C., assignor to All Steel Trailer Company, Nacogdoches, Tex. Dump wagon. 2,102,676; Dec. 21.
Cadolle, Marcel, Paris, France. Brassière. 2,103,060; Dec. 21.
Cadwallader, Harry, Jr., Philadelphia, Pa. Forming bolt heads. 2,102,941; Dec. 21.
Callender's Cable and Construction Company Limited. (See Robinson, Denis M., assignor.)
Campbell, Frank D., Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill. Vented nozzle. 2,102,786; Dec. 21.
Campbell, Homer E., Fort Wayne, Ind. Gun sight. 2,102,677; Dec. 21.
Campbell, Max A., East Providence, R. I. Sealed tamperproof maximum and minimum thermometer for use particularly in brooding of chicks. 2,102,678; Dec. 21.
Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Roughing head. 2,102,992; Dec. 21.
Carlson, Frank P., New York, N. Y. Coating and stripping device. 2,102,679; Dec. 21.
Carothers, Wallace H., Arden, and A. M. Collins, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dihalogen butenes and their preparation. 2,102,611; Dec. 21.

Carré, Jean, Leers, France. Apparatus for giving anesthetics. 2,103,144; Dec. 21.
Carroll, Eugene G., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,102,833; Dec. 21.
Carroll, Eugene G., Los Angeles, Calif., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,102,834; Dec. 21.
Carroll, John O., Des Moines, Iowa. Individual cosmetic container structure. 2,102,885; Dec. 21.
Carter, Haskell C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Coal worm drive. 2,103,145; Dec. 21.
Casco Products Corporation. (See Cohen, Joseph H., assignor.)
Castellani, Matilde. (See Peters, William E., assignor.)
Catalina, James R., Kansas City, Mo. Auxiliary wheel. 2,102,835; Dec. 21.
Celanese Corporation of America. (See Dreyfus, C., and Whitehead, assignors.)
Celanese Corporation of America. (See Gibbs, Bradford C., assignor.)
Celanese Corporation of America. (See Roberts, Robert P., assignor.)
Celluloid Corporation. (See Piperoux, Rene P., assignor.)
Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)
Chicago Electric Manufacturing Company. (See Preston, Edward S., assignor.)
Chile Exploration Company. (See Hulme, Philip M., assignor.)
Christenson, George F., Boylston, assignor to J. A. Dunn, Worcester, Mass. Salesbook holder. 2,102,787; Dec. 21.
Clar, Friedrich K., Berlin-Hermsdorf, assignor to Rheinmetall-Borsig Aktiengesellschaft/Werk Borsig Berlin-Tegel, Berlin-Tegel, and C. Geissen, Berlin-Schoneberg, Germany. Brake system for trains. 2,103,061; Dec. 21.
Clark, George C., Beverly Hills, Calif. Shoe last construction. 2,103,062; Dec. 21.
Clark, Otto B., assignor to The Lubrication Corporation, Chicago, Ill. Lubricating device. 2,103,063; Dec. 21.
Clark, Rufus B., St. Louis, Mo. Stud tie. 2,103,064; Dec. 21.
Clarke, Charles M. (See Bergmann, Christian N., assignor.)
Claudel, André E., St. Bernard, La. Soda-spreading machine. 2,102,993; Dec. 21.
Claudel, André E., St. Bernard, La. Soda-spreading machine. 2,102,994; Dec. 21.
Clemence, LeRoy W. (See Raiziss, G. W., and Clemence.)
Cluett, Peabody & Co. (See Cluett, Sanford L., assignor.)
Cluett, Sanford L., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Process and apparatus for shrinking fabrics. 2,102,942; Dec. 21.
Coates, Ray G., Pasadena, Calif. Motor car control mechanism. 2,102,586; Dec. 21.
Cocker, George B., Gastonia, N. C. Creel. 2,102,680; Dec. 21.
Coffin, John R., West Medford, assignor to Barostat Company, Boston, Mass. Fluid pressure responsive device. 2,103,214; Dec. 21.
Cohen, Joseph H., assignor to Casco Products Corporation, Bridgeport, Conn. Windshield heater. 2,103,146; Dec. 21.
Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Machine tool. 2,102,613; Dec. 21.
Cole, Lyndon C., assignor to General Machinery Corporation, Hamilton, Ohio. Machine tool. 2,103,147; Dec. 21.
Collier, Charles W., Alexandria, Va., assignor to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif. Method and apparatus for making maps. 2,102,612; Dec. 21.
Collins, Arnold M. (See Carothers, W. H., and Collins.)
Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)
Conkling, Samuel G., Brooklyn, N. Y. Nonrefillable bottle. 2,103,005; Dec. 21.
Conner, Norman G., Oakland, Calif. Container for preserving eggs. 2,102,886; Dec. 21.
Conrad, George H., Great Bend, Pa. Baseball base. 2,103,148; Dec. 21.
Cook, Arnold M., assignor to Norton Company, Worcester, Mass. Press for molding shaped articles. 2,103,215; Dec. 21.
Cook, William H. (See Doxsee, J. H., Jr., and Cook.)
Cook, William H., Collier City, Fla., assignor to Fred Fear & Company, Brooklyn, N. Y. Steam box. 2,102,943; Dec. 21.
Coombs, James W., Whitehall, Mich. Article filing and delivery system. 2,102,995; Dec. 21.
Cornell, Elias S., Evanston, C. A. Koerner, and R. A. Sternaman, assignors to The Delta-Star Electric Company, Chicago, Ill. Electrical switch gear. 2,102,887; Dec. 21.
Couch, Howard H., Fairfield, Ohio. Producing and distinguishing frequency vibrations. 2,102,614; Dec. 21.
Cox, Edna P. (See McDonald, Gordon G., assignor.)
Cox, Harold E. (See Trencham, H., and Cox.)
Crompton & Knowles Loom Works. (See Brouwer, Benjamin W., assignor.)
Crompton & Knowles Loom Works. (See Verry, Irving H., assignor.)
Crown Cork & Seal Company. (See Weisenburg, assignor.)
Cryan, Joseph, Newtonville, Mass. Thead package. 2,102,996; Dec. 21.
Cubete, Joseph J., Pittsburg, Kans. Liquid measuring device. 2,102,615; Dec. 21.
Curtis, Herbert F., Berea, assignor to The Henry Furnace & Foundry Company, Cleveland, Ohio. Outlet for air circulating systems. 2,102,681; Dec. 21.
Curtiss-Wright Corporation. (See Weymouth, Frederick R., assignor.)
Cutler, Gerard M., assignor to Armstrong Siddeley Motors Limited, Coventry, England. Control of gearing for driving superchargers on aircraft engines. 2,103,149; Dec. 21.
Cyrex, Felix G., assignor to J. C. Miller Co., Grand Rapids, Mich. Polishing wheel. 2,102,836; Dec. 21.
Dall, Edward D., Waukegan, Ill., assignor to W. F. Wright, Shaker Heights, Ohio. Door locking device for automobiles and the like. 2,102,997; Dec. 21.
Darby, Ernest R., and P. J. Potter, assignors to Federal-Mogul Corporation, Detroit, Mich. Liner for bearings. 2,102,998; Dec. 21.
Davies, Leonard J., Rugby, England, assignor to General Electric Company. Electric gaseous discharge lamp. 2,103,029; Dec. 21.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Pistol grip oil can. 2,102,837; Dec. 21.
De Back, William. (See Thompson, A. R., and de Back.)
Deep Sea Rescue & Salvage Corporation et al. (See Justus, James W., assignor.)
Delta-Star Electric Company, The. (See Cornell, E. S., Koerner and Sternaman, assignors.)
De Mar, Michael, New York, N. Y. Animal garment. 2,103,109; Dec. 21.
Dentists' Supply Company of New York, The. (See Burtenshaw, George H., assignor.)
Deutsche Getriebe Gesellschaft mit beschrankter Haftung. (See Myllus, Otto, assignor.)
De Vore, Peter W., New York, N. Y. Bottle seal. 2,103,150; Dec. 21.
De Vries, Abraham, assignor to Naamlooze Vennootschap Ijzerhandel I. M. de Vries, Amsterdam, Netherlands. Fastener. 2,102,999; Dec. 21.
De Witt, William J., and P. A. Ross, assignors to Shoe Form Co., Inc., Auburn, N. Y. Snelled hook case. 2,102,682; Dec. 21.
Dickhaut, Charles A., and S. W. Warner, assignors to John Waldron Corporation, New Brunswick, N. J. Vertical drier. 2,103,110; Dec. 21.
Dietrich, Roy P., Bayside, N. Y. Game. 2,103,151; Dec. 21.
Dietrich, Wilhelm. (See Luther, M., and Dietrich.)
Dilg, Earl W. (See Evans, R. B., Dilg, and Germann.)
Dilks, James J., Jr., Philadelphia, Pa. Disk film motion picture. 2,102,788; Dec. 21.
Dill, Claude S., Lodge Grass, Mont. Bridge table. 2,102,888; Dec. 21.
Dillehay, Edward R., Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Making thermoplastic compositions containing rubber and the like. 2,102,838; Dec. 21.
Ditchfield, Frank, assignor to The Youngstown Steel Door Company, Cleveland, Ohio. Lift door. 2,103,000; Dec. 21.
Dixon, Alfred L., Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Heat treating nickel-iron alloys. 2,102,683; Dec. 21.
Doane, Leroy C., assignor to The Miller Company, Meriden, Conn. Lighting equipment for passenger vehicles. 2,102,944; Dec. 21.
Dohrman, Anna J., River Grove, Ill. Handle construction. 2,102,839; Dec. 21.
Dorgelo, Eduard G., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge device. 2,103,030; Dec. 21.
Dorward, Raymond B., assignor to Insley Manufacturing Corporation, Indianapolis, Ind. Rocker dump hand cart. 2,102,684; Dec. 21.
Dougherty, Charles P. (See Anderson, Clayton G., assignor.)
Douglass, Donald M., Wilton, Conn. Building structure. 2,103,152; Dec. 21.
Doxsee, James H., Jr., and W. H. Cook, Collier City, Fla., assignors to Fred Fear & Co., Brooklyn, N. Y. Shelling molluska. 2,102,945; Dec. 21.
Dräger, Otto H. (See Bangert, Friedrich K. G., assignor.)
Dräger, Otto H. (See Schröter, August G.-A., assignor.)
Draper Corporation. (See Brown, Carl D., assignor.)
Dreyfuss, Camille, New York, N. Y., and W. Whitehead, Cumberland, Md., assignors to Celanese Corporation of America. Manufacture of textile yarns and fabrics. 2,102,789; Dec. 21.
Drollinger, Howard B., South Pasadena, Calif. Therapeutic apparatus. 2,102,790; Dec. 21.
Druyvesteyn, Mari J., Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,227; Dec. 21.
Druyvesteyn, Mari J., W. Uyterhoeven, C. Bol, and M. van Dam, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,103,226; Dec. 21.

Dubbs, Carbon P., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,102,889; Dec. 21.
Du Bois, Alfred, Paris, France, assignor to B. Arkell, New York, N. Y. Valve-closed bag. 2,102,685; Dec. 21.
Dugelay, Paul, assignor to Societe d'Exploitation de Brevets pour l'Industrie, l'Aviation et l'Automobile (Sebia), Paris, France. Internal combustion engine. 2,102,946; Dec. 21.
Dunham, Henry V., Bainbridge, N. Y. Casein compound and making. 2,103,153; Dec. 21.
Dunham, James W., Evanston, assignor to National Cylinder Gas Company, Chicago, Ill. Apparatus for the transportation of compressed or liquefied gases. 2,102,686; Dec. 21.
Dunn, John S., Norton-on-Tees, and V. Lefebure, London, England, assignors to Imperial Industries Limited. Calcium sulphate plasters. 2,103,216; Dec. 21.
Dunn, Joseph A. (See Christenson, George F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Brill, John L., assignor.)
Du Pont, E. I., de Nemours & Company. (See Carothers, W. H., and Collins, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hitt, M. V., Kennedy, and Priddy, assignors.)
Du Pont, E. I., de Nemours & Company. (See Jenemann, Harry J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kennedy, D. G., and Rulon, assignors.)
Du Pont, E. I., de Nemours & Company. (See Meuly, Walter C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Moses, Douglas V., assignor.)
Du Pont, E. I., de Nemours & Company. (See Peck, F. W., and Waldron, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, J. C., and Weber, assignors.)
Durst, David L. (See Mizzy, D. D., and Durst.)
Dybvig, Henry G. (See Sherman, J. Q., and Dybvig.)
Eagle Engineering Company, The. (See Walter, James C., assignor.)
Eaton, Gerald L., Philadelphia, Pa., assignor, by mesne assignments, to The Polymerization Process Corporation, Jersey City, N. J. Treatment of hydrocarbons. 2,102,947; Dec. 21.
Economy Forms Corporation. (See Jennings, William A., assignor.)
Ehret, Clement, White Plains, N. Y. Stove. 2,102,616; Dec. 21.
Ehrlich, Samuel D. (See Palmieri, M., and Ehrlich.)
Eisenhauer, Warren F., Watertown, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Spring cover. 2,102,890; Dec. 21.
Ekdahl, Edward B., Irvington, assignor to Sefco Inc., Newark, N. J. Package for plastic materials. 2,103,111; Dec. 21.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,103,201; Dec. 21.
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Eliel, Leon T., Pasadena, Calif. Solar navigator. 2,102,587; Dec. 21.
Emery Industries, Inc. (See Myers, Latimer D., assignor.)
Emulsoids, Inc. (See Knight, Hugh, assignor.)
Engelbrektsson, Einar, Brooklyn, assignor of one-half to E. Gross, New York, N. Y. Beehive. 2,103,066; Dec. 21.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Evans, E. S., and Sons. (See Evans, R. B., Dilg, and Germann, assignors.)
Evans, Richard A. J., Chicago, Ill. Mixing valve. 2,103,067; Dec. 21.
Evans, Robert B., Grosse Pointe, and E. W. Dilg and G. Germann, assignors to E. S. Evans and Sons, Detroit, Mich. Windshield wiper mechanism. 2,103,001; Dec. 21.
Faber, Ernst, Stuttgart, Germany. Vacuum cleaner. 2,103,154; Dec. 21.
Faber, John R., Flint, Mich. Snapping roller. 2,103,002; Dec. 21.
Fafnir Bearing Company, The. (See Hellyar, Charles H., assignor.)
Fairchild, Polley & Eliel, Inc. (See Collier, Charles W., assignor.)
Farber, John D., assignor to Management and Research, Inc., Philadelphia, Pa. Synthetic resins. 2,102,617; Dec. 21.
Farrell, Anna E., Seattle, Wash. Device for holding and curling hair. 2,102,687; Dec. 21.
Faulkner, Lionel E., Hillside, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated. Material for arc welding. 2,102,891; Dec. 21.
Fear, Fred, & Company. (See Cook, William H., assignor.)
Fear, Fred, & Co. (See Doxsee, J. H., Jr., and Cook, assignors.)
Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Closing and sealing of collapsible tubes. 2,102,840; Dec. 21.
Federal-Mogul Corporation. (See Darby, E. R., and Potter, assignors.)
Fehse, Adolf, Berlin, and M. Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,103,068; Dec. 21.
Ferguson, George A., New York, N. Y. Preventing flat wheels. 2,102,791; Dec. 21.
Ferguson, John. (See Broecker, L. C., and Ferguson.)
Fiberloid Corporation, The. (See Roberts, William F., assignor.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in pressing soles. 2,102,688; Dec. 21.
Fischer, Albert C., Chicago, Ill. Composition strip. 2,103,003; Dec. 21.
Fischer, Albert T., Cleveland Heights, Ohio. Producing rubber bands. 2,102,689; Dec. 21.
Fischer, Albert T., Cleveland Heights, Ohio. Article holder. 2,102,690; Dec. 21.
Fisher, Lawrence E. (See Frank, W. H., Hollingsworth, and Fisher.)
Fitzgerald Manufacturing Company, The. (See Fitzgerald, Maurice F., assignor.)
Fitzgerald, Maurice F., Winsted, assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Electric flatiron. 2,102,892; Dec. 21.
Fluor Corporation, The. (See Henderson, E., and Reddick, assignors.)
Ford Machinery Corporation. (See Lewis, Harold R., assignor.)
Ford, William H., East Longmeadow, assignor to Milton Bradley Company, Springfield, Mass. Cutting apparatus. 2,103,217; Dec. 21.
Formfit Company, The. (See Kunstadter, Sigmund W., assignor.)
Forster, Percy M., Berkeley, Calif. Stove. 2,102,893; Dec. 21.
Forster, Samuel H. (See Walsh, W., and Forster.)
Foulke, Ted E., Nutley, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Electric gaseous discharge device. 2,103,031; Dec. 21.
Foulke, Willing B., Media, Pa., assignor to Hercules Powder Company, Wilmington, Del. Projectile. 2,103,155; Dec. 21.
Fox, Charles A., assignor to J. R. Kearney Corporation, St. Louis, Mo. Fuse link stick. 2,102,894; Dec. 21.
Foxall, William H. (See Hill, H., and Foxall.)
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Fuel burning apparatus. 2,102,588; Dec. 21.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Automatic system for supplying pulverized fuel to furnaces. 2,102,618; Dec. 21.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Fuel feeder. 2,102,619; Dec. 21.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Automatic system for supplying pulverized fuel to furnaces. 2,102,691; Dec. 21.
Francis, Earle V., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mechanism for supplying pulverized fuel to furnaces. 2,102,948; Dec. 21.
Frank, William H., Detroit, Mich. Electrical connecter. 2,103,071; Dec. 21.
Frank, William H., Detroit, Mich. Distribution panel. 2,103,072; Dec. 21.
Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Circuit breaker. 2,103,070; Dec. 21.
Frank, William H., C. T. Hollingsworth, and L. E. Fisher, Detroit, Mich. Panel board and parts thereof. 2,103,069; Dec. 21.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Strand handling apparatus. 2,102,692; Dec. 21.
Fraser, Hugh, Burnside, Rutherglen, assignor to Inter Counties Limited, Glasgow, Scotland. Electric drive of air-screw propelled cars. 2,103,156; Dec. 21.
French, Gerthal. (See Shoemaker, W. E., and French.)
Freudenberg, Carl, G. m. b. H. (See Lange, Gustav, assignor.)
Frey, Vernon M., East Moline, Ill. Window structure. 2,102,589; Dec. 21.
Freyn Engineering Company. (See Blumer, Jacob C., assignor.)
Fritze, Otto, Berlin, A. Rüttenauer, Berlin-Halensee, and K. Wiegand, Berlin-Tempelhof, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,103,032; Dec. 21.
Fuller, Rufus W., Deerfield, assignor to Production Machine Company, Greenfield, Mass. Wheel truing device. 2,102,841; Dec. 21.
Gaidies, Georg, Berlin-Pankow, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,073; Dec. 21.
Gammeter, John R., assignor of one-half to S. G. Gammeter, Akron, Ohio. Making and applying caps to bottles. 2,102,949; Dec. 21.
Gammeter, Susan G. (See Gammeter, John R., assignor.)
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Adding machine. 2,102,693; Dec. 21.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Paper cut-off and feeding mechanism. 2,102,694; Dec. 21.

Gardner, Ralph D., assignor to Whitney Metal Tool Company. Rockford, Ill. Clamping device. 2,103,074; Dec. 21.
Garland, Robert H., et al. (See Brown, William Y., assignor.)
Gaylord Container Corporation. (See George, Walter C., assignor.)
Gehne, Reinold E. (See Strano, S., and Gehne.)
Gelssen, Carl, et al. (See Clar, Friedrich K., assignor.)
General Aniline Works, Inc. (See Helberger, J. H., and Bayer, assignors.)
General Chemical Company. (See Mullen, Edwin J., assignor.)
General Electric Company. (See Addink, Nicolaas W. H., assignor.)
General Electric Company. (See Alexander, James R., Jr., assignor.)
General Electric Company. (See Alterthum, H., and Lompe, assignors.)
General Electric Company. (See Bol, Cornelis, assignor.)
General Electric Company. (See Davies, Leonard J., assignor.)
General Electric Company. (See Dorgelo, Eduard G., assignor.)
General Electric Company. (See Druyvesteyn, Mari J., assignor.)
General Electric Company. (See Druyvesteyn, Mari J., Uyterhoeven, Bol, and van Dam, assignors.)
General Electric Company. (See Fehse, A., and Reger, assignors.)
General Electric Company. (See Fritze, O., Rüttenauer, and Wiegand, assignors.)
General Electric Company. (See Gaidies, Georg, assignor.)
General Electric Company. (See Holst, G., and Uyterhoeven, assignors.)
General Electric Company. (See Inman, George E., assignor.)
General Electric Company. (See Kingdon, Kenneth H., assignor.)
General Electric Company. (See Krefft, Hermann, assignor.)
General Electric Company. (See Lorraine, Richard G., assignor.)
General Electric Company. (See McKeag, A. H., and Randall, assignors.)
General Electric Company. (See Merrill, Frank W., assignor.)
General Electric Company. (See Moers, Kurt, assignor.)
General Electric Company. (See Morrill, Wayne J., assignor.)
General Electric Company. (See Pirani, M., and Reger, assignors.)
General Electric Company. (See Rompe, R., and Thouret, assignors.)
General Electric Company. (See Ruttenauer, Alfred, assignor.)
General Electric Company. (See Schoonenberg, P., and Smelt, assignors.)
General Electric Company. (See Trencham, H., and Cox, assignors.)
General Electric Company. (See Uyterhoeven, W., and Verburg, assignors.)
General Electric Company. (See Weidhaas, Karl, assignor.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Vapor Lamp Company. (See Buttolph, Leroy J., assignor.)
General Electric Vapor Lamp Company. (See Foulke, Ted E., assignor.)
General Electric Vapor Lamp Company. (See Radcliffe, Thomas J., assignor.)
General Machinery Corporation. (See Cole, Lyndon C., assignor.)
General Motors Corporation. (See Gould, Richard E., assignor.)
General Motors Corporation. (See Summers, Otto M., assignor.)
George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for handling hot metal bars. 2,102,792; Dec. 21.
George, Walter C., assignor, by mesne assignments, to Gaylord Container Corporation, St. Louis, Mo. Web splicing device. 2,102,793; Dec. 21.
Germann, George. (See Evans, R. B., Dilg, and Germann.)
Gibbs, Bradford C., Cumberland, Md., assignor to Celanese Corporation of America. Method and device of treating articles containing organic derivatives of cellulose. 2,102,794; Dec. 21.
Gieskieng, Marion W., Little Rock, Ark., assignor to Radio Corporation of America. Recording and reproducing of electrical impulses. 2,102,695; Dec. 21.
Gilman, Henry S., Springfield, Mass. Mail box. 2,102,620; Dec. 21.
Gilmore, Michael J., Youngstown, Ohio. Highway torch. 2,102,696; Dec. 21.
Girard, Paul, Lyon, France. Mechanical time fuse. 2,102,950; Dec. 21.
Glasner, Rudolph W., Chicago, Ill. Press. 2,102,842; Dec. 21.
Gleason Works. (See Wildhaber, Ernest, assignor.)
Gloor, Walter E., Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del. Dehydration of nitrocellulose and the product thereof. 2,102,697; Dec. 21.
Gobelin Company, The. (See Petremont, Gordon A., assignor.)
Golec, Edward J. (See Sprankle, C. N., and Golec.)
Goodman, Joseph, assignor to Automatic Truck Loader Corporation, New York, N. Y. Refuse truck. 2,103,112; Dec. 21.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodrich, B. F., Company, The. (See Goodwin, R. C., and Sloan, assignors.)
Goodrich, B. F., Company, The. (See Semon, W. L., and Yohe, assignors.)
Goodwin, Robert C., Lubbock, Tex., and A. W. Sloan, Akron, Ohio; said Sloan assignor to The B. F. Goodrich Company, New York, N. Y. Accelerator of vulcanization. 2,102,621; Dec. 21.
Gould, Richard E., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,102,698; Dec. 21.
Government of the United States of America, represented by the Secretary of War. (See Knerr, Lewis E., assignor.)
Granberg Meter Corporation. (See Saarinen, Armas J., assignor.)
Gray, Reid B., Dundalk, and E. L. Zivi, assignors to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,102,590; Dec. 21.
Gray, Russell J., Minneapolis, Minn. Oil drain and supply system. 2,102,795; Dec. 21.
Graybill, Leon A. (See Gwaltney, E. C., Graybill, and Newton.)
Green, Arthur J., Marblehead, assignor to A. C. Lawrence Leather Company, Peabody, Mass. Tanning. 2,102,690; Dec. 21.
Green, Clifford H., Grand Rapids, Mich., assignor to Automatic Instrument Company. Leg adjuster. 2,103,202; Dec. 21.
Green, Samuel G., Gray, Ga. Gun barrel mounting. 2,102,622; Dec. 21.
Greenspon, Edward A., Montreal, Quebec, Canada. Therapeutic preparation and making it. 2,103,075; Dec. 21.
Greenview Manufacturing Company. (See Siemund, Herman, assignor.)
Gross, Eric. (See Engelbrektsson, Elnar, assignor.)
Guilford, Edward T. (See Rienks, G. W., and Guilford.)
Gustafsson, Ernst V., St. Essingen, and G. H. Hellgren, Malmo, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine of the ten key type. 2,102,700; Dec. 21.
Gwaltney, Eugene C., and L. A. Graybill, Macon, and R. B. Newton, Columbus, assignors to Bibb Manufacturing Company, Macon, Ga. Heat-resistant yarn and heat-resistant cord and making same. 2,103,218; Dec. 21.
Gwynne, Hugh H., Los Angeles, Calif. Ribbon feeding mechanism. 2,102,843; Dec. 21.
Gyuris, Janos, New York, N. Y. Electric current producing unit or cell. 2,102,701; Dec. 21.
H & H Machine & Motor Parts Co. (See Holhut, Michael, assignor.)
Hackenberg, Edmund, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Generator of electric relaxation oscillations. 2,102,951; Dec. 21.
Hagemeier, Heinrich, Hamburg, Germany. Dental syringe. 2,102,591; Dec. 21.
Halinka, George, Detroit, Mich. Door check. 2,103,004; Dec. 21.
Hall, Andrew M., Cambria, Va. Package. 2,102,702; Dec. 21.
Hall, De Lancey M., Montclair, N. J. Air treating unit. 2,102,703; Dec. 21.
Hallden, Frederick G. (See Vernam, G. S., and Hallden.)
Handley, John H., Des Moines, Iowa. Seamless grave vault and forming it. 2,103,005; Dec. 21.
Hanley, Stanley M. (See Jackson, J. G., and Hanley.)
Hansen, Donald W., Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del. Water-resistant prolamine base composition. 2,102,623; Dec. 21.
Happel, John, Brooklyn, and D. W. Robertson, Queens Village, assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Oil refining process. 2,102,796; Dec. 21.
Harris, Donald A., et al. (See Hester, John C., assignor.)
Harshaw Chemical Company, The. (See Long, Kenneth E., assignor.)
Harshberger, Kathleen M. (See Harshberger, Norman P. and K. M.)
Harshberger, Norman P. and K. M., Scarsdale, assignors to Bakelite Building Products Co. Inc., New York, N. Y. Shingle. 2,103,076; Dec. 21.
Hasbrouck, Harold J., Jr., Flushing, assignor to United Research Corporation, Long Island City, N. Y. Driving and guiding film. 2,102,895; Dec. 21.
Hasbrouck, Harold J., Merchantville, N. J., assignor to Radio Corporation of America. Photophonographic apparatus. 2,102,778; Dec. 21.

Hayne, William P., Natchitoches, La. Air heater. 2,102,592; Dec. 21.
Hazeltine Corporation. (See Johnson, John K., assignor.)
Hazeltine Corporation. (See Senauke, Alexander, assignor.)
Hazeltine Corporation. (See Singer, Benjamin, assignor.)
Heberlein Patent Corporation. (See Killars, John, Jr., assignor.)
Hedman Manufacturing Company, The. (See Slettevold, O., and Johnson, assignors.)
Hein, George N., San Francisco, Calif. Syringe cartridge. 2,102,704; Dec. 21.
Heinrich, Walter A., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical connecter. 2,102,896; Dec. 21.
Helberger, Johann H., Cologne-Mulheim, and O. Bayer, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 2,102,593; Dec. 21.
Helfenstein, Max, and F. M. Hirsig, Lucerne, Switzerland. Protective shield for electrical welders. 2,103,006; Dec. 21.
Hellgren, Gustaf H. (See Gustaffson, E. V., and Hellgren.)
Hellyar, Charles H., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing. 2,102,952; Dec. 21.
Helmer, Theodore K., Fellows, Calif. Piston rod protector. 2,102,797; Dec. 21.
Hemphill Company. (See Lawson, R. H., and Smith, assignors.)
Henderson, Elting, Huntington Park, and J. B. Reddick, Sierra Madre, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Separator. 2,102,705; Dec. 21.
Henry Furnace & Foundry Company, The. (See Curtis, Herbert F., assignor.)
Hercules Powder Company. (See Bishop, William T., assignor.)
Hercules Powder Company. (See Foulke, Willing B., assignor.)
Hercules Powder Company. (See Gloor, Walter E., assignor.)
Hercules Powder Company. (See Lister, Donald A., assignor.)
Hercules Powder Company. (See Schantz, Jacob M., assignor.)
Herron, William L., Hudson, N. Y. Meter. 2,103,077; Dec. 21.
Hester, John C., assignor of one-fourth to D. A. Harris, one-fourth to E. A. Bornfleith, and one-fourth to G. Oestrich, Milwaukee, Wis. Apparatus for handling liquid products. 2,102,844; Dec. 21.
Heyduck, Alfred, Berlin-Neuenhagen, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Automatic telephone system. 2,102,953; Dec. 21.
Hill, Hermann, and W. H. Foxall, Brighton, assignors to Hillfox Manufacturing Corporation, Rochester, N. Y. Clipper. 2,102,594; Dec. 21.
Hillfox Manufacturing Corporation. (See Hill, H., and Foxall, assignors.)
Hirschberg, Charles A., Mountain Lakes, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Drill feeding mechanism. 2,102,706; Dec. 21.
Hirsig, Felix M. (See Helfenstein, M., and Hirsig.)
Hitt, Maurice V., Wilmington, Del., and D. G. Kennedy and H. L. Priddy, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and making the same. 2,102,595; Dec. 21.
Hoe, R., & Co. (See Lamatsch, Frederick, assignor.)
Hoesch-Köln Neuessen Aktiengesellschaft für Bergbau und Hüttenbetrieb. (See Stark, Helmuth, assignor.)
Hoffer, Frederick J. (See Black, I. E., Hoffer, and Silver.)
Hofstetter, Anton. (See Spirig, Josef, assignor.)
Hohmann, Richard K., Rosedale, N. Y. Rotary loop taker. 2,102,954; Dec. 21.
Holhut, Michael, Jennings, assignor to H & H Machine & Motor Parts Co., St. Louis, Mo. Valve-seat surfacing tool. 2,102,707; Dec. 21.
Holhut, Michael, Jennings, assignor to H & H Machine & Motor Parts Co., St. Louis, Mo. Bolt-setting tool. 2,102,897; Dec. 21.
Hollingsworth, Clarence T. (See Frank, W. H., Hollingsworth, and Fisher.)
Holophane Company. (See Rolph, Thomas W., assignor.)
Holst, Gilles, and W. Uyterhoeven, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp. 2,103,078; Dec. 21.
Honeycutt, William C., et al. (See Brown, William Y., assignor.)
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Shank, C. L., and Traut, assignors.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover Company, The. (See Whitaker, Uncas A., assignor.)
Hoover Company, The. (See White, Harry B., assignor.)
Hopson, Clifford P., Bakersfield, Calif. Automatic transmission. 2,102,624; Dec. 21.
Horn, A. C., & Company. (See Bishop, Richard E., assignor.)
Horney, Fred. (See Lysholm, A., Horney, and Wahlsten.)
Hornung, John C., Glencoe, assignor to Illinois Engineering Company, Chicago, Ill. Regulating apparatus. 2,103,113; Dec. 21.
Houdry Process Corporation. (See Prickett, Thomas B., assignor.)
Howe, Nelson H., assignor to Lewis-Howe Company, St. Louis, Mo. Display device. 2,102,845; Dec. 21.
Howle, Louis W., Atlanta, Ga., assignor to American Telephone and Telegraph Company. Signal testing apparatus. 2,102,708; Dec. 21.
Hubbell, Harvey, Jr., Bridgeport, Conn. Interlocking receptacle, connecter, and cap. 2,102,625; Dec. 21.
Hull, Maurice E. (See Otting, H. E., Browne, and Hull.)
Hulme, Philip M., Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y. Temperature measuring installation. 2,102,955; Dec. 21.
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvester reel. 2,102,709; Dec. 21.
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvester. 2,102,710; Dec. 21.
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvesting machine. 2,102,711; Dec. 21.
Hume-Love Company. (See Hume, H. D., and Love, assignors.)
Hunsdiecker, Heinz, Cologne-Lindenthal, Germany. Lustrous pigment and manufacturing and using it. 2,103,007; Dec. 21.
Hunt, Scott F., Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,102,846; Dec. 21.
Hürlimann, Max, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electric valve starting system. 2,102,956; Dec. 21.
Huseby, Albert A., Oak Park, Ill. Piano. 2,102,898; Dec. 21.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Luther, M., and Dietrich, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Scheuermann, A., Brill, and Wietzel, assignors.)
I. G. Farbenindustrie Aktiengesellshaft. (See Schweitzer, E., and Kiesskalt, assignors.)
Illinois Engineering Company. (See Hornung, John C., assignor.)
Imperial Chemical Industries Limited. (See Dunn, J. S., and Lefebure, assignors.)
Indexo Finger Tooth Brush, Inc. (See Lynch, Frances I., assignor.)
Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll Milling Machine Company, The. (See Strawn, Marion L., assignor.)
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electron emissive electrode. 2,103,033; Dec. 21.
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Gaseous and vapor electric discharge device. 2,103,034; Dec. 21.
Insley Manufacturing Corporation. (See Dorward, Raymond B., assignor.)
Inter Counties Limited. (See Fraser, Hugh, assignor.)
Intermetal Corporation. (See Jenness, Leslie G., assignor.)
Iron Fireman Manufacturing Company. (See Carter, Haskell C., assignor.)
Irsugo Consolidated Mines, Limited. (See Wolf, Harry C., assignor.)
Isermann, Samuel, Summit, E. Ohlsson, Jersey City, and J. W. Orelup, Summit, N. J. Protective cosmetics. 2,102,712; Dec. 21.
Jackes-Evans Manufacturing Company. (See Strano, S., and Gehne, assignors.)
Jackson, John G., Detroit, and S. M. Hanley, Grosse Pointe Farms, Mich., assignors, by mesne assignments to Raytheon Manufacturing Company, Newton, Mass. Rectifier. 2,102,713; Dec. 21.
Jacobs, F. L., Company. (See Eisenhauer, Warren F., assignor.)
Jakeway, Gerald V., assignor to Keeler Brass Company, Grand Rapids, Mich. Door handle mounting. 2,102,714; Dec. 21.
Jaumandreu, Bienvenido, Buenos Aires, Argentina. Manufacture of rubber-soled slippers, sandals, and footwear. 2,103,157; Dec. 21.
Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
Jeffrey Manufacturing Company, The. (See Francis, Earle V., assignor.)
Jenemann, Harry J., Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Decorative coated fabric. 2,102,715; Dec. 21.
Jenness, Leslie G., Brooklyn, N. Y. Controlled catalytic oxidation. 2,103,219; Dec. 21.

Jenness, Leslie G., Brooklyn, N. Y. Controlled oxidation. 2,103,220; Dec. 21.

Jenness, Leslie G., Brooklyn, N. Y., assignor to Intermetal Corporation, Newark, N. J. Oxidation catalysts and process. 2,103,221; Dec. 21.

Jennings, William A., assignor to Economy Forms Corporation, Des Moines, Iowa. Metal form clamping device. 2,102,717; Dec. 21.

Jerabek, Charles, deceased, by T. Jerabek, administratrix, Philadelphia, Pa. Advertising device. 2,102,798; Dec. 21.

Jerabek, Theresa, administratrix. (See Jerabek, Charles.)

Johnson, Carl V., assignor to Bendix Research Corporation, South Bend, Ind. Shock absorber strut. 2,102,847; Dec. 21.

Johnson, Clarence W. (See Slettvold, O., and Johnson.)

Johnson, John K., Rye, N. Y., assignor to Hazeltine Corportion, Jersey City, N. J. Wave signaling system. 2,103,079; Dec. 21.

Jolly, Oscar W., assignor to Springfield Photomount Company, Holyoke, Mass. Portfolio. 2,103,203; Dec. 21.

Jones, Howard A., Washington, D. C., dedicated to the free use of the People of the United States of America. Insecticide. 2,103,195; Dec. 21.

Josserand, Louis P., Houston, Tex. Theater. 2,102,718; Dec. 21.

Justus, James W., assignor of four eightieths to J. B. Owens, and seventy-six eightieths to Deep Sea Rescue & Salvage Corporation, Birmingham, Ala. Rescue apparatus. 2,102,626; Dec. 21.

Kane, Frank A. (See Killmeyer, C. A., and Reichhelm, assignors.)

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bottle filling machine. 2,103,158; Dec. 21.

Kaufler, Felix, and H. P. Schmitz, assignors to Dr. Alexander Wacker Gesellschaft für Electrochemische Industrie, G. m. b. H., Munich, Germany. Asphalt solution. 2,102,957; Dec. 21.

Kaumagraph Company. (See Lawrence, Winthrop S., assignor.)

Kearney, James R., Corporation. (See Boothe, Eugene F., assignor.)

Kearney, James R., Corporation. (See Fox, Charles A., assignor.)

Kearney, James R., Corporation. (See Heinrich, Walter A., assignor.)

Kearney, James R., Corporation. (See Tipsord, Melvin T., assignor.)

Keeler Brass Company. (See Jakeway, Gerald V., assignor.)

Kelsey-Hayes Wheel Company. (See Sawtelle, Charles A., assignor.)

Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kennedy, Benjamin H., Rochester, N. Y. Infant's bathing device. 2,102,958; Dec. 21.

Kennedy, David G. (See Hitt, M. V., Kennedy, and Priddy.)

Kennedy, David G., and J. K. Rulon, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrating cellulose nitrate. 2,102,709; Dec. 21.

Kennedy, Dewey M., Rochester, N. Y. Infant's bathtub and foot actuated dressing table therefor. 2,102,959; Dec. 21.

Kern, John A., Chicago, Ill., assignor to The W. J. McCahan Sugar Refining & Molasses Co., Philadelphia, Pa. Display device. 2,102,596; Dec. 21.

Kerr, John D. (See Talbert, G. W., and Kerr.)

Kiefer, Karl, Machine Company, The. (See Fechheimer, Paul R., assignor.)

Kiesakalt, Siegfried. (See Schweitzer, E., and Kiesakalt.)

Killars, John, Jr., Spartansburg, S. C., assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y. Producing linen-like materials and products therefrom. 2,103,080; Dec. 21.

Killmeyer, Chester A., New York, N. Y., and G. L. Reichhelm, Short Beach, Conn., assignors to F. A. Kane, Long Island City, N. Y. Apparatus for gasifying a liquid fuel. 2,102,800; Dec. 21.

Kinast, John J., Beloit, Wis. Combination tool. 2,103,008; Dec. 21.

Kingdon, Kenneth H., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,103,159; Dec. 21.

Kinkead, Fullerton S., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal distortion indicating and measuring device. 2,102,719; Dec. 21.

Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Zirconium oxide vitreous enamel opacifier. 2,102,627; Dec. 21.

Kinzie, Charles J., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Opaque vitreous enamel. 2,102,720; Dec. 21.

Kircher, Adolf, and M. Sienz, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y. Stable aqueous solutions of anesthetic substances and preparing them. 2,103,160; Dec. 21.

Kivley, Ray C., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,102,721; Dec. 21.

Kjær, Viggo A., Copenhagen, Denmark. Lubricating device for driving chains. 2,103,161; Dec. 21.

Klangfilm G. m. b. H. (See Schwarz, Karl, assignor.)

Klein, Charles F., Baltimore, Md. Agitator for game elements. 2,103,009; Dec. 21.

Kleinschmidt, Edward E., Highland Park, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system and apparatus. 2,102,899; Dec. 21.

Knerr, Lewis E., Portland, Oreg., assignor to the Government of the United States of America, represented by the Secretary of War. Telescopic barrier in connection with exit portal in fish lifts. 2,102,628; Dec. 21.

Knerr, Lewis E., Portland, Orge., assignor to the Government of the United States of America, represented by the Secretary of War. Fish trap for fish lifts. 2,102,629; Dec. 21.

Knickerbocker, Karl. (See Stoner, H. B., and Knickerbocker.)

Knight, Hugh, Claremont, assignor to Emulsolds, Inc., San Francisco, Calif. Insecticidal oil spray. 2,103,196; Dec. 21.

Kocour, Emil J., assignor to Sloan Valve Company, Chicago, Ill. Vacuum breaking device. 2,102,848; Dec. 21.

Koerner, Charles A. (See Cornell, E. S., Koerner, and Sternaman.)

Köhnke, Johan F., Haarlem, Netherlands. Wall connector. 2,103,010; Dec. 21.

Kokatnur, Vaman R., assignor to Autoxygen Inc., New York, N. Y. Making soap beads or the like. 2,102,849; Dec. 21.

Konkel, William, assignor to Milcor Steel Company, Milwaukee, Wis. Resilient conductor fastening. 2,102,900; Dec. 21.

Konold, Clyde H. (See Wurzbach, H. E., and Konold.)

Koppel, Ernest R., assignor to Bendix Products Corporation, South Bend, Ind. Universal joint. 2,102,850; Dec. 21.

Koppers Company. (See Becker, Joseph, assignor.)

Kortering, Justin H., Holland, Mich. Tractor hitch device. 2,102,722; Dec. 21.

Kotzebue, Melnhard H., assignor to Worthington Machinery Corporation of Oklahoma, Tulsa, Okla. Cooler. 2,102,723; Dec. 21.

Krefft, Hermann, Berlin-Friedrichshagen, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,081; Dec. 21.

Kreidl, Ignaz, Vienna, Austria. Clouded vitreous enamel. 2,102,630; Dec. 21.

Kreidl, Ignaz, Vienna, Austria. White clouded vitreous enamel. 2,103,228; Dec. 21.

Kreidl, Ignaz, Vienna, Austria. Making white clouded iron enamel. 2,103,229; Dec. 21.

Kress, Claude W., New York, N. Y. Store display. 2,102,960; Dec. 21.

Kunstadter, Sigmund W., assignor to The Formfit Company, Chicago, Ill. Garment. 2,102,801; Dec. 21.

La Brie, Ludger E., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,102,851; Dec. 21.

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,102,852; Dec. 21.

Lamatsch, Frederick, Grantwood, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Drive for printing machines. 2,102,631; Dec. 21.

Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Viewing screen for use in optical systems employing polarized light. 2,102,632; Dec. 21.

Lane, Harry W., Syracuse, N. Y. Window stop strip mounting. 2,103,162; Dec. 21.

Lange, Gustav, assignor to the firm Carl Freudenberg G. m. b. H., Weinheim, Germany. Rendering fibers or threads from animal collagen ironproof. 2,103,163; Dec. 21.

Laursen, Laurits A., assignor of one-half to T. K. Seiberling, Akron, Ohio. Insert for rubber heels or the like. 2,102,901; Dec. 21.

Lavino, E. J., and Company. (See Seil, Gilbert E., assignor.)

Lawrence, A. C., Leather Company. (See Green, Arthur J., assignor.)

Lawrence, Winthrop S., Rego Park, assignor to Kaumagraph Company, New York, N. Y. Transfer. 2,103,082; Dec. 21.

Lawson, Robert H., and W. L. Smith, Jr., Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Deflector for knitting machines. 2,103,197; Dec. 21.

Lear, William P., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Switching and supporting device for electrical apparatus. 2,103,035; Dec. 21.

Leechgrip Company. (See Spencer, Herman J., assignor.)

Lefebure, Victor. (See Dunn, J. S., and Lefebure.)

Lenke, George H., Elmhurst, assignor of one-half to J. J. Ohlis, Oak Park, Ill. Skylight construction. 2,102,902; Dec. 21.

Lesinski, Walter, assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich. Spring cushion structure. 2,102,724; Dec. 21.

Le Telephone Prive National Société Anonyme. (See Leveque, Emile, assignor.)

Leveque, Emile, assignor to firm Le Telephone Prive National Société Anonyme, Paris, France. Loud-speaking and amplified microphone telephone exchange. 2,102,903; Dec. 21.

Levy, Sol J., New York, N. Y. Radio receiving system for aeroplanes. 2,102,904; Dec. 21.

Lewis, Harold R., Baltimore, Md., assignor to Food Machinery Corporation, San Jose, Calif. Pulping machine. 2,102,961; Dec. 21.

Lewis-Howe Company. (See Howe, Nelson H., assignor.)

Line Material Company. (See Smith, James P., assignor.)

Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)

Lister, Donald A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Lubricating grease and its production. 2,103,204; Dec. 21.

Lithgow, John, Blue Island, assignor to North American Car Corporation, Chicago, Ill. Refrigerator car. 2,102,725; Dec. 21.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Coupling. 2,102,802; Dec. 21.

Lompe, Arved. (See Alterthum, H., and Lompe.)

Long, Kenneth E., South Euclid, assignor to The Harshaw Chemical Company, Elyria, Ohio. Production of metallic driers. 2,102,633; Dec. 21.

Lorenz, C., Aktiengesellschaft. (See Hackenberg, Edmund, assignor.)

Lorraine, Richard G., Scotia, N. Y., assignor to General Electric Company. Electric valve circuit. 2,103,164; Dec. 21.

Love, James E. (See Hume, H. D., and Love.)

Loveland, Curtis A., Youngstown, Ohio. Milking stool. 2,103,114; Dec. 21.

Lubrication Corporation, The. (See Clark, Otto B., assignor.)

Lubrication Corporation, The. (See Tear, Harry R., assignor.)

Ludington, Lawrence L., assignor to Ball Brothers Company, Muncie, Ind. Pressure cooker. 2,102,962; Dec. 21.

Luther, Martin, Mannheim, and W. Dietrich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of alcohols. 2,102,726; Dec. 21.

Lynch, Frances I., Yonkers, assignor to Indexo Finger Tooth Brush, Inc., New York, N. Y. Teeth cleaning and gum massaging device. 2,103,083; Dec. 21.

Lysholm, Alf, F. Horney, and G. Wahlsten, assignors to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Variable speed power transmission. 2,102,634; Dec. 21.

Lysholm, Alf, F. Horney, and G. Wahlsten, assignors to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Variable speed power transmission. 2,102,635; Dec. 21.

M. & R. Dietetic Laboratories, Inc. (See Otting, H. E., Browne, and Hull, assignors.)

Mable, William, Fort Collins, Colo., assignor of forty-one per cent to W. B. Morris, New York, N. Y. Windshield attachment. 2,102,597; Dec. 21.

Madsen, Soren, Bergenfield, assignor of one-fourth to J. F. O'Brien, Englewood, N. J. Fare register. 2,103,084; Dec. 21.

Ma Gee, Frank B., West Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y. Signaling apparatus. 2,102,905; Dec. 21.

Maher, James H., Montreal, Quebec, Canada. Heating system. 2,102,727; Dec. 21.

Management and Research, Inc. (See Farber, John D., assignor.)

March, Albert T., and W. E. Remmers, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Refining copper. 2,102,728; Dec. 21.

Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Slider for separable fasteners. 2,103,036; Dec. 21.

Marinsky, Davis, assignor to Whitehall Patents Corporation, Bronx, N. Y. Separable fastener. 2,103,037; Dec. 21.

Martin, Glenn L., Company, The. (See Gray, R. B., and Zivl, assignors.)

Marvel Shoe Machinery Corporation. (See Sabo, L., and Polkovics, assignors.)

Mathieson Alkali Works, Inc., The. (See Petroe, Gregory A., assignor.)

Matthews, W. N., Corporation. (See Birkenmaier, Theodore, assignor.)

McCahan, W. J., Sugar Refining & Molasses Co., The. (See Kern, John A., assignor.)

McCoy, Verl E., Chicago, Ill., and R. W. Anderson, Wauwatosa, Wis.; said McCoy assignor to Wilson Engineering Corporation, Chicago, Ill. Boiler feed apparatus. 2,103,225; Dec. 21.

McDill, Rex D., East Cleveland, assignor to Adjustable Scaffold & Form Company, Cleveland, Ohio. Controlling apparatus. 2,102,598; Dec. 21.

McDonald, Eugene G., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,102,853; Dec. 21.

McDonald, Gorden G., Nova Scotia, assignor to E. P. Cox, Halifax, Nova Scotia, Canada. Combination door protector and lock. 2,102,729; Dec. 21.

McDonald, Leonard, El Campo, Tex. Drafting machine. 2,102,636; Dec. 21.

McDonough, Everett G., Mount Vernon, assignor to Zotos Corporation, New York, N. Y. Hair waving pad. 2,102,803; Dec. 21.

McKeag, Alfred H., and J. T. Randall, Middlesex, England, assignors to General Electric Company. Electric lamp. 2,103,085; Dec. 21.

McKinney, Robert H. (See Rennau, Albert M., assignor.)

McMahon, John V., Ness City, Kans. Tire deflation signal. 2,103,011; Dec. 21.

Meininghaus, Ulrich, Mulheim-Ruhr, Germany. Arrangement of radially traversed blades in rotary machines. 2,102,637; Dec. 21.

Mellor, Albert D., Flushing, N. Y. Radiator inclosure. 2,102,599; Dec. 21.

Merchant, Thomas, Castleton, England. Detecting metallic and other substances in textile or fibrous material. 2,102,906; Dec. 21.

Merrill, Frank W., Fort Wayne, Ind., assignor to General Electric Company. Self starting synchronous inductor motor. 2,103,165; Dec. 21.

Meuly, Walter C., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of unsaturated aldehydes. 2,102,965; Dec. 21.

Meyer, Andrew C. (See Weasler, A. V., and Meyer.)

Meyers, Clarence L., & Co. (See Meyers, Milton M., assignor.)

Meyers, Milton M., Elkins Park, assignor to Clarence L. Meyers & Co., Philadelphia, Pa. Stocking. 2,102,730; Dec. 21.

Midgley, Albert H., Wembley, England. Apparatus for producing sounds of a musical character. 2,103,169; Dec. 21.

Milcor Steel Company. (See Konkel, William, assignor.)

Miller, Charles, deceased, Long Island City, N. Y., I. G. Miller, executrix. Applying protective coatings to shoes and other objects. 2,102,804; Dec. 21.

Miller Company, The. (See Doane, Leroy C., assignor.)

Miller, George L., Canton, Ohio. Manufacture of armor plates. 2,102,963; Dec. 21.

Miller, Ida G., executrix. (See Miller, Charles.)

Miller, J. C., Co. (See Cyrex, Felix G., assignor.)

Miller, Lillian M., Fort Harrison, Mont. Flexible knitting needle. 2,102,600; Dec. 21.

Miller, Max. (See White, Chester R., assignor.)

Miller, William J., Swissvale, Pa. Apparatus for manufacturing pottery ware. 2,103,086; Dec. 21.

Miner, George A., Goffstown, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lip laying device. 2,102,731; Dec. 21.

Missouri Holding and Investment Company. (See Schmidt, Hermann H., assignor.)

Mitsubishi Jukogyo Kabushiki Kaisha. (See Sugihara, Shuichi, assignor.)

Mix & Genest Aktiengesellschaft. (See Heyduck, Alfred, assignor.)

Mizzy, Dan D., and D. L. Durst, Sacramento, Calif. Dental jack. 2,103,115; Dec. 21.

Moers, Kurt, Berlin-Steglitz, Germany, assignor to General Electric Company. Gaseous electric arc discharge lamp device. 2,103,038; Dec. 21.

Morberg, Ivar A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Forming sheet metal articles. 2,102,732; Dec. 21.

Morgan Construction Company. (See George, Jerome R., assignor.)

Morrill, Wayne J., Fort Wayne, Ind., assignor to General Electric Company. Commutating type armature. 2,103,166; Dec. 21.

Morris, Benjamin W., Jr., Essex, Conn. Power boat. 2,103,087; Dec. 21.

Morris, Robert. (See Stein, E. P., Thornton, and Morris.)

Morris, Winthrop B. (See Mable, William, assignor.)

Morrison, James, Trenton, N. J. Game apparatus. 2,103,167; Dec. 21.

Moses, Douglas V., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluid. 2,102,638; Dec. 21.

Mossberg, O. F., and Sons, Inc. (See Mossberg, Oscar F., assignor.)

Mossberg, Oscar F., assignor to O. F. Mossberg and Sons, Inc., New Haven, Conn. Sling strap connecting device. 2,102,964; Dec. 21.

Mourraille, Jean P. L., assignor to Sté dite Satujo Sté Anme de Construction de Tuyaux sans Joints Systeme Cravetto Breveté S. G. D. G., Paris, France. Apparatus for constructing monolithic canalized structures. 2,102,639; Dec. 21.

Mueller, Robert, Decatur, Ill. Bathtub. 2,102,733; Dec. 21.

Mullen, Edwin J., New Rochelle, assignor to General Chemical Company, New York, N. Y. Apparatus for treating ores. 2,103,088; Dec. 21.

Müller, Richard, Mannheim-Neuostheim, M. Schenck, Mannheim, and W. Wirbatz, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Cellulose esters. 2,103,012; Dec. 21.

Murber, George E., San Francisco, Calif. Golf overshoe. 2,102,601; Dec. 21.

Myers, John W., Roanoke, Va., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922). Locomotive stoker. 2,103,210; Dec. 21.

Myers, Latimer D., assignor to Emery Industries, Inc., Cincinnati, Ohio. Shrinking fabrics. 2,103,205; Dec. 21.

Myers, Roy H., and L. Sandoz, Ventura, Calif. Interior finishing structure and fastener. 2,103,168; Dec. 21.

Mylius, Otto, assignor to Deutsche Getriebe Gesellschaft mit beschrankter Haftung, Berlin, Germany. Damping the oscillations of vehicles, in particular rail vehicles. 2,102,907; Dec. 21.

N. V. Philips' Gloeilampenfabrieken. (See Bouwers, Albert, assignor.)

Naamlooze Vennootschap Ijzerhandel I. M. de Vries. (See de Vries, Abraham, assignor.)

Nash-Kelvinator Corporation. (See Philipp, Lawrence A., assignor.)

Nash, Paul H., assignor of one-third to G. M. Walters, Pampa, Tex. Combination rod hanger and tubing rack. 2,102,966; Dec. 21.

Nash, Samuel T., Woden Works, assignor to The Steel Nut & Joseph Hampton Limited, Wednesbury, England. Vise. 2,102,602; Dec. 21.

National Aniline & Chemical Company. (See Talbert, G. W., and Kerr, assignors.)

National Cylinder Gas Company. (See Dunham, James W., assignor.)

National Pressure Cooker Company. (See Nelson, Carl, assignor.)

Naturin G. m. b. H. (See Becker, O. W., and Weiss, assignors.)

Naus, Edward P., Minneapolis, Minn. Preparation for treating plants. 2,102,734; Dec. 21.

Neel, Thomas W., and J. D. Blocker, Ventura, Calif. Concealable spot lamp. 2,102,967; Dec. 21.

Neiswinter, James T., Cleveland, Ohio, assignor to American Telephone and Telegraph Company. Carrier telegraph system. 2,102,735; Dec. 21.

Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 2,102,908; Dec. 21.

Nelson, Moses F., Highland Falls, N. Y. Fishing float. 2,103,222; Dec. 21.

New Jersey Machine Corporation. (See von Hofe, George W., assignor.)

New Jersey Zinc Company, The. (See Winter, Herbert, assignor.)

Newhouse, Ray C., Wauwatosa, and B. H. Puerner, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clinker cooler. 2,103,170; Dec. 21.

Newton, Russell B. (See Gwaltney, E. C., Graybill, and Newton.)

Nichols, Edward L. (See Nichols, Robert P., assignor.)

Nichols, Robert P., Miami, assignor to E. L. Nichols, Hollywood, Fla. Recovery of the unsaponifiable fractions of oils. 2,103,193; Dec. 21.

Nicolson, James G. (See Southgate, G. T., and Nicolson.)

Nilson, Oliver C., Carthage, Mo. Fireplace air blasting. 2,103,171; Dec. 21.

Nirdlinger, Patrick A., assignor, by mesne assignments, to Scanlon-Morris Company, Madison, Wis. Portable surgical lamp. 2,103,013; Dec. 21.

North American Car Corporation. (See Lithgow, John, assignor.)

Norton Company. (See Cook, Arnold M., assignor.)

Novotny, Anton, assignor, by mesne assignments, to Tivoli Brewing Company, Detroit, Mich. Packing machine. 2,102,640; Dec. 21.

Ober, William T., Marblehead, assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Apparatus for welding nails to a metal body. 2,103,206; Dec. 21.

O'Brien, Joseph F. (See Madsen, Soren, assignor.)

O'Donovan, Daniel E., Chelmsford, England, assignor to Radio Corporation of America. Electrical tuned circuit. 2,102,805; Dec. 21.

Oestrich, Godfrey, et al. (See Hester, John C., assignor.)

Ohio Citizens Trust Company, The, trustee. (See Replogle, Daniel B., assignor.)

Ohlis, Julius J. (See Lenke, George H., assignor.)

Ohlsson, Ernst. (See Isermann, S., Ohlsson, and Orelup.)

Olson, Harry F., Collingswood, N. J., assignor to Radio Corporation of America. Acoustical device. 2,102,736; Dec. 21.

Orelup, John W. (See Isermann, S., Ohlsson, and Orelup.)

Osborn, Henry C., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Method of and apparatus for planographic printing. 2,102,641; Dec. 21.

Ostermann, Rudolf M., Kenilworth, Ill., and A. Williams, Munster, Ind., assignors to The Superheater Company, New York, N. Y. Locomotive. 2,102,806; Dec. 21.

Otting, Herbert E., Westerville, and E. H. Browne and M. E. Hull, Columbus, Ohio, assignors to M. & R. Dietetic Laboratories, Inc. Treatment of milk products. 2,102,642; Dec. 21.

Overvad, Marius, Aarhus, Denmark. Manufacture of concrete pipes. 2,102,968; Dec. 21.

Owens, J. B., et al. (See Justus, James W., assignor.)

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Palmieri, Mario, South Glastonbury, and S. D. Ehrlich, Glastonbury, Conn. Delay blasting cap. 2,103,014; Dec. 21.

Patjens, Henry K., Yeadon, Pa. Articulated locomotive. 2,103,172; Dec. 21.

Paton, Clyde R., Birmingham, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,102,909; Dec. 21.

Patton, Cuyler S., Scarsdale, assignor to Alco Products Incorporated, New York, N. Y. Pipe and making the same. 2,102,969; Dec. 21.

Payne, Eugene, Chattanooga, Tenn. Feed gauge for printing presses. 2,102,910; Dec. 21.

Peacock, Charles T., Arriba, Colo. Dam forming device for listers. 2,103,116; Dec. 21.

Pearlman, Abraham, Brooklyn, N. Y. Jack attachment for motor vehicles. 2,103,117; Dec. 21.

Pease, C. F., Company, The. (See Brunk, Harold J., assignor.)

Peck, Ferdinand W., Penns Grove, N. J., and W. R. Waldron, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of antimony chlorides. 2,102,737; Dec. 21.

Pellegrini, Domenick, New York, N. Y. Denture cleaning device. 2,102,643; Dec. 21.

People of the United States of America. (See Jones, Howard A.)

Perkins, Albert G., Warsaw, N. Y. Pipe coating apparatus. 2,102,738; Dec. 21.

Perks, George W., Akron, Ohio. Game. 2,102,807; Dec. 21.

Perry, William R., assignor to Reeves Pulley Company, Columbus, Ind. Motor control system. 2,102,911; Dec. 21.

Peters, Frank J., Portland, Oreg. Fish bait. 2,102,739; Dec. 21.

Peters, William E., Watervliet, assignor of two-fifths to M. Castellani, Albany, N. Y. Reversible sash attachment. 2,103,015; Dec. 21.

Peterson, Juel L., assignor to C. Smith, Seneca Falls, N. Y. Machine for applying transfers. 2,102,970; Dec. 21.

Petremont, Gordon A., Boston, assignor to The Gobelin Company, Inc., Cambridge, Mass. Packaging candy. 2,102,971; Dec. 21.

Petroe, Gregory A., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Vacuum valve. 2,103,118; Dec. 21.

Petroleum Heat and Power Company. (See Thoresen, Ralph S., assignor.)

Pflasterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,103,016; Dec. 21.

Philipp, Lawrence A., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,102,740; Dec. 21.

Phillips, Benjamin, Cincinnati, assignor to The Phillips Pump & Tank Company. Sign. 2,102,972; Dec. 21.

Phillips Petroleum Company. (See Snow, Robert D., assignor.)

Phillips Pump & Tank Company, The. (See Phillips, Benjamin, assignor.)

Pichucki, Antoni, Sydney, Nova Scotia, Canada. Automobile brake controlling device. 2,103,089; Dec. 21.

Pick Manufacturing Company. (See Weasler, A. V., and Meyer, assignors.)

Pickett, Francis N., London, England, assignor to United States Rubber Products, Inc., New York, N. Y. Treating vulcanized rubber. 2,102,741; Dec. 21.

Pinazza, Giosuè, Milan, Italy. Percussion apparatus. 2,102,603; Dec. 21.

Piperoux, Rene P., Radburn, N. J., assignor to Celluloid Corporation. Multicolor printing on articles of irregular shape. 2,102,808; Dec. 21.

Pirani, Marcello, Berlin-Wilmersdorf, and M. Reger, Berlin, Germany, assignors to General Electric Company, Gaseous electric discharge device. 2,103,039; Dec. 21.

Pison, Antonio T., Molo, Iloilo, P. I. Sofa bedstead. 2,103,173; Dec. 21.

Pittman, Herbert C., Tyler, Tex. Dispensing apparatus for liquefied gas. 2,102,912; Dec. 21.

Plastic Seal Corporation. (See Black, I. E., Hoffer, and Silver, assignors.)

Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Generating electrical currents. 2,103,090; Dec. 21.

Poland, Frank F., New Brunswick, N. J., assignor to American Smelting and Refining Company, New York, N. Y. High conductivity, phosphorus-deoxidized copper and making the same. 2,102,742; Dec. 21.

Polkovics, Julius. (See Sabo, L., and Polkovics.)

Polymerization Process Corporation, The. (See Eaton, Gerald L., assignor.)

Porsche, Ferdinand, Stuttgart, Germany. Universal joint. 2,102,973; Dec. 21.

Posada, Victor M., San Salvador, El Salvador. Surgical instrument. 2,103,174; Dec. 21.

Postal Telegraph-Cable Company (New York). (See Vernam, G. S., and Halliden, assignors.)

Potter, Philip J. (See Darby, E. R., and Potter.)

Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,102,743; Dec. 21.

Preston, Edward S., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan with flexible blades. 2,102,913; Dec. 21.

Prickett, Thomas B., Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del. Temperature control of reaction vessels. 2,102,644; Dec. 21.

Priddy, Harry L. (See Hitt, M. V., Kennedy, and Priddy.)

Prins, Leendert, Port Washington, N. Y. Advertising or display device. 2,103,175; Dec. 21.

Production Machine Company. (See Fuller, Rufus W., assignor.)

Prolamine Products Incorporated. (See Hansen, Donald W., assignor.)

Puerner, Bertram H. (See Newhouse, R. C., and Puerner.)

Pützer, Bruno, and F. Schönhöfer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Basic derivatives of cyclic ether-like compounds. 2,103,017; Dec. 21.

Quaker Oats Company, The. (See Campbell, Frank D., assignor.)

Radcliffe, Thomas J., Belleville, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Manufacture of resistance bodies. 2,103,040; Dec. 21.

Radio Corporation of America. (See Baker, Judd O., assignor.)

Radio Corporation of America. (See Baker, J. O., and Batsell, assignors.)

Radio Corporation of America. (See Ballantine, Stuart, assignor.)

Radio Corporation of America. (See Beers, George L., assignor.)

Radio Corporation of America. (See Bokovoy, Samuel A., assignor.)

Radio Corporation of America. (See Brixey, Austin D., assignor.)

Radio Corporation of America. (See Gleskieng, Marion W., assignor.)

Radio Corporation of America. (See Hasbrouck, Harold J., assignor.)

Radio Corporation of America. (See Lear, William P., assignor.)

Radio Corporation of America. (See O'Donovan, Daniel E., assignor.)

Radio Corporation of America. (See Olson, Harry F., assignor.)

Radio Corporation of America. (See Sachtleben, Lawrence T., assignor.)

Radio Patents Corporation. (See Plebanski, Jozef, assignor.)

Raiziss, George W., and L. W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill. Halogen derivatives of n-amyl cresols. 2,102,854; Dec. 21.

Randall Company, The. (See Randall, Howard D., assignor.)

Randall, Howard D., assignor to The Randall Company, Cincinnati, Ohio. Making staples. 2,103,176; Dec. 21.

Randall, Howard D., Cincinnati, Ohio. Paneling. 2,103,177; Dec. 21.

Randall, John T. (See McKeag, A. H., and Randall.)

Ratcliffe, Harry, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 2,102,744; Dec. 21.

Raymond, Fred I., River Forest, Ill. Steam heating system and supplying steam to the radiators thereof. 2,103,178; Dec. 21.

Raytheon Manufacturing Company. (See Jackson, J. G., and Hanley, assignors.)

Read, Merwin F., Detroit, Mich. Abrasive pad. 2,102,745; Dec. 21.

Reddick, John B. (See Henderson, E., and Reddick.)

Reeves Pulley Company. (See Perry, William R., assignor.)

Reger, Martin. (See Fehse, A., and Reger.)

Reger, Martin. (See Pirani, M., and Reger.)

Reichhelm, George L. (See Killmeyer, C. A., and Reichhelm.)

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Ornamentation. 2,102,746; Dec. 21.

Remington Arms Company. (See Wharton, Thomas E., assignor.)

Remmen, Jorgen, Pittsburgh, Pa. Rolling mill housing. 2,102,818; Dec. 21.

Remmers, Walter E. (See March, A. T., and Remmers.)

Rennau, Albert M., assignor of forty per cent to R. H. McKinney, Hannibal, Mo. Testing device. 2,103,179; Dec. 21.

Replogle, Daniel B., Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, as trustee. Double brush type floor tool for air-method cleaners. 2,102,645; Dec. 21.

Rheinmetall-Borsig Aktiengesellschaft / Werk Borsig Berlin-Tegel, et al. (See Clar, Friedrich K., assignor.)

Rhew, Norman C., Rougemont, N. C. Frankfurter holder. 2,102,818; Dec. 21.

Rice, Edwin L., Silver Spring, Md., assignor to Rice Manufacturing and Aerial Transport Corporation. Rotary motor. 2,103,180; Dec. 21.

Rice Manufacturing and Aerial Transport Corporation. (See Rice, Edwin L., assignor.)

Richardson Company, The. (See Dillehay, Edward R., assignor.)

Richmond, Thomas G., Glasgow, Scotland. Snap action mechanism for operating electric switches. 2,103,181; Dec. 21.

Rider, Herbert E., New York, N. Y., assignor, by mesne assignments, to H. L. Rosenfeld, Jr. Making gas. 2,103,182; Dec. 21.

Rienks, George W., and E. T. Guilford, Denver, Colo. Garbage can. 2,102,914; Dec. 21.

Rishel, Luther C., Los Angeles, Calif. Universal brake shoe grinder guide. 2,102,915; Dec. 21.

Rivenburgh, Frederick L., Springfield, Ohio. Method and apparatus for testing eggs. 2,102,646; Dec. 21.

Robert, Ramon C., Barcelona, Spain. Cabinet for the use and storage of an instrument. 2,103,091; Dec. 21.

Roberts, Robert P., Spondon, near Derby, England, assignor to Celanese Corporation of America. Artificial effect material. 2,102,647; Dec. 21.

Roberts, Robert P., Spondon, near Derby, England, assignor to Celanese Corporation of America. Fabrics and other material and their manufacture. 2,102,648; Dec. 21.

Roberts, William F., assignor to The Fiberloid Corporation, Indian Orchard, Mass. Making ornamented plastic material. 2,102,747; Dec. 21.

Robertson, Donald W. (See Happel, J., and Robertson.)

Robinson, Denis M., assignor to Callender's Cable and Construction Company Limited, London, England. Electric cable. 2,102,974; Dec. 21.

Robinson, Francis T., Rockville Centre, assignor to Arkell Safety Bag Company, New York, N. Y. Bag and producing the same. 2,103,092; Dec. 21.

Rochford, Michael J., Chicago, Ill. Ice skates. 2,102,916; Dec. 21.

Rockwell, Hugh M., Freeport, N. Y. Water buoyed engine and mounting for motor boats and the like. 2,103,183; Dec. 21.

Rocquin, Camille J., New Orleans, La. Theft-preventing device for plants. 2,102,748; Dec. 21.

Roethel, John H., Detroit, Mich. Window control mechanism. 2,103,223; Dec. 21.

Roggero, Carlo, Arenzano, Italy. Leveling and squaring device. 2,103,184; Dec. 21.

Rolland, Samuel V., Flint, Mich. Sewer rod. 2,102,917; Dec. 21.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Visible signal. 2,102,975; Dec. 21.

Romanelli, George, Des Moines, Iowa. Combining resorcinol with iodine. 2,102,918; Dec. 21.

Romanoff, Frank P., assignor to Apollo Metal Works, Chicago, Ill. Noncorrodible object and producing same. 2,103,119; Dec. 21.

Rompe, Robert, Berlin, and W. Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,103,041; Dec. 21.

Ronci, Fernando M., Providence, R. I. Immersing and drying machine. 2,102,819; Dec. 21.

Rosenfeld, Henry L., Jr. (See Rider, Herbert E., assignor.)

Rosner, Adolph, Rockton, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake lining. 2,102,855; Dec. 21.

Ross, Paul A. (See De Witt, W. J., and Ross.)

Rulon, Joseph K. (See Kennedy, D. G., and Rulon.)

Rumpler, Edmund, Berlin-Charlottenburg, Germany. Crankshaft. 2,103,185; Dec. 21.

Ruperti, Andreas, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Enhancing the stability to water of effects produced mechanically on textiles containing cellulose. 2,103,018; Dec. 21.

Rusoff, Samuel, Longmeadow, Mass. Segmental grinding wheel. 2,102,919; Dec. 21.

Russell, Irving H., assignor to Sloan Valve Company, Chicago, Ill. Valve. 2,102,856; Dec. 21.

Russell, John A. (See Stein, E. P., Thornton, and Morris, assignors.)

Rüttenauer, Alfred. (See Fritze, O., Rüttenauer, and Wiegand.)

Ruttenauer, Alfred, Berlin-Halensee, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,093; Dec. 21.

Rydin, Norval, Chicago, Ill. Toy train coupler. 2,102,649; Dec. 21.

Rypinski, Albert B., Laurelton, Long Island, N. Y. Slow electromagnetic device. 2,103,019; Dec. 21.

Saarinen, Armas J., assignor to Granberg Meter Corporation, San Francisco, Calif. Siphon-breaking means for liquid metering systems. 2,103,020; Dec. 21.

Sabo, Louis, and J. Polkovics, Bronx, assignors to Marvel Shoe Machinery Corporation, New York, N. Y. Heelbreast cover cutting and skiving device. 2,103,120; Dec. 21.

Sachtleben, Lawrence T., Camden, N. J., assignor to Radio Corporation of America. Film handling apparatus. 2,103,042; Dec. 21.

Salsman, George W., La Junta, Colo. Chiropractic demonstrating device. 2,103,021; Dec. 21.

Salvesen, Richard E., Forest City, Iowa. Dispensing cap. 2,102,749; Dec. 21.

Sanders, Thomas H., Leeds, England. Laminated springs. 2,102,750; Dec. 21.

Sandoz, Louis. (See Myers, R. H., and Sandoz.)

Savage, Eros M., San Jose, Calif. Drink preparing means. 2,102,920; Dec. 21.
Sawtelle, Charles A., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,102,810; Dec. 21.
Scanlon-Morris Company. (See Nirdlinger, Patrick A., assignor.)
Schafer, William J., San Jose, Calif. Woodworking machine. 2,102,857; Dec. 21.
Schantz, Jacob M., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated rubber coating composition. 2,103,186; Dec. 21.
Scharlin, Alfred, Brooklyn, N. Y. Four-in-hand necktie. 2,103,094; Dec. 21.
Scheinman, Sol, White Plains, N. Y. File. 2,102,820; Dec. 21.
Schenck, Martin. (See Müller, R., Schenck, and Wirbatz.)
Schermerhorn, George D., Reading, Mich. Cushion foot for chairs. 2,103,095; Dec. 21.
Scheuermann, Arno, Ludwigshafen-on-the-Rhine, R. Brill, Heidelberg, and G. Wietzel, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of acetaldehyde. 2,102,751; Dec. 21.
Schlesinger, Harry. (See Yoerg, Alfred F., assignor.)
Schlumbohm, Peter, New York, N. Y. Capsule for storing fluids. 2,102,858; Dec. 21.
Schmidt, Hermann H., Hanover, Kans., assignor to Missouri Holding and Investment Company, St. Joseph, Mo. Vaporizing and spraying thick liquids. 2,102,650; Dec. 21.
Schmitt, William C., Portland, Oreg. Pile shoe. 2,102,921; Dec. 21.
Schmitz, Hilger P. (See Kaufler, F., and Schmitz.)
Schoenfeld, Frank H., Cleveland Heights, Ohio. Valve mechanism. 2,102,752; Dec. 21.
Schönhöfer, Fritz. (See Pützer, B., and Schönhöfer, assignors.)
Schoonenberg, Pancras, and J. A. M. Smelt, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,103,043; Dec. 21.
Schröter, August G.-A., Hamburg, assignor to O. H. Dräger, Lubeck, Germany. Detecting small quantities of gas. 2,103,187; Dec. 21.
Schwab, Earl H., Pittsburgh, Pa. Metal fitting for glass globes. 2,102,922; Dec. 21.
Schwarz, Karl, assignor to Klangfilm G. m. b. H., Berlin, Germany. Recording of electrical impulses. 2,102,753; Dec. 21.
Schweitzer, Eugen, Wiesbaden-Biebrich, and S. Kiesskalt, Frankfort-on-the-Main-Hochst, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Apparatus for testing magnetizable workpieces. 2,103,224; Dec. 21.
Scovill Manufacturing Company. (See Williams, Selden T., assignor.)
Sears, Roebuck and Co. (See Sprankle, C. N., and Golec, assignors.)
Sefco Inc. (See Ekdahl, Edward B., assignor.)
Selberling, Theophilus K. (See Laursen, Laurits A., assignor.)
Sell, Gilbert E., Cynwyd, assignor to E. J. Lavino and Company, Philadelphia, Pa. Making refractory bricks. 2,102,976; Dec. 21.
Semon, Waldo L., Silver Lake, and R. V. Yohe, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Antioxidant. 2,103,188; Dec. 21.
Senauke, Alexander, New York, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. Gaseous discharge tube. 2,103,022; Dec. 21.
Seyferth, Carl G., assignor to West Michigan Steel Foundry Co., Muskegon, Mich. Coupling device for trailers and tractors. 2,102,821; Dec. 21.
Seyter, William C. (See Becker, C. A., and Seyter.)
Shank, Charles L., and C. W. Traut, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,103,099; Dec. 21.
Shannon, Baker L., Houston, Tex. Jar. 2,102,754; Dec. 21.
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Shepard, Samuel D., Chevy Chase, Md. Gun sight. 2,103,189; Dec. 21.
Sherman, John Q., and H. G. Dybvig, Dayton, Ohio; said Dybvig assignor to said Sherman. Pinwheel feed. 2,102,651; Dec. 21.
Sherwood Brass Works. (See Sherwood, David, assignor.)
Sherwood, David, Grosse Pointe Park, assignor to Sherwood Brass Works, Detroit, Mich. Water pump thrust bearing. 2,103,096; Dec. 21.
Sherwood, Walter E., Pepperell, assignor to Waltham Watch Company, Waltham, Mass. Odometer reset. 2,103,023; Dec. 21.
Shimmin, Daisy M., administratrix. (See Shimmin, John T.)
Shimmin, John T., deceased, Buchana, Newfoundland, D. M. Shimmin, administratrix. Traveling mat concentrator. 2,102,652; Dec. 21.
Shoe Form Co. (See De Witt, W. J., and Ross, assignors.)
Shoemaker, William E., Freeport, and G. French, Manhasset, assignors to Sinclair Refining Company, New York, N. Y. Display rack. 2,102,977; Dec. 21.
Shozaburo Hashino. (See Yamamoto, Samuro, assignor.)
Siemund, Herman, assignor to Greenview Manufacturing Company, Chicago, Ill. Cleaning tool. 2,103,198; Dec. 21.
Sienz, Max. (See Kircher, A., and Sienz.)
Silver, Henry B. (See Black, I. E., Hoffer, and Silver.)
Simplex Time Recorder Company. (See Watkins, Edward G., assignor.)
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Vehicle wheel. 2,102,811; Dec. 21.
Sinclair, Harold, Surbiton Hill, England. Power transmission mechanism. 2,102,755; Dec. 21.
Sinclair Refining Company. (See Shoemaker, W. E., and French, assignors.)
Singer, Benjamin, Bronx, N. Y., assignor to Hazeltine Corporation. Power supply system for signal receivers. 2,103,097; Dec. 21.
Slepian, Joseph, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Circuit interrupter. 2,103,121; Dec. 21.
Slettevold, Ole, and C. W. Johnson, assignors to The Hedman Manufacturing Company, Chicago, Ill. Check writer. 2,103,098; Dec. 21.
Sliming, Henry G., Huntington Park, Calif. Dispenser. 2,102,978; Dec. 21.
Sloan, Arthur W. (See Goodwin, R. C., and Sloan.)
Sloan Valve Company. (See Kocour, Emil J., assignor.)
Sloan Valve Company. (See Russell, Irving H., assignor.)
Smelt, Josephus A. M. (See Schoonenberg, P., and Smelt.)
Smith, Caleb. (See Peterson, Juel L., assignor.)
Smith, George A., Chevy Chase, Md., and M. S. Van Dusen, Washington, D. C. Building block. 2,102,756; Dec. 21.
Smith, Gertrude L., Los Angeles, Calif. Molded handled receptacle. 2,102,653; Dec. 21.
Smith, Harry M., San Francisco, Calif. Motor vehicle safety seat. 2,102,979; Dec. 21.
Smith, James F., West Orange, N. J., assignor to Line Material Company, South Milwaukee, Wis. Combined housed electrical device and cable sealing means. 2,102,757; Dec. 21.
Smith, Thomas N., San Antonio, Tex. Internal combustion engine. 2,103,024; Dec. 21.
Smith, William L., Jr. (See Lawson, R. H., and Smith.)
Snow, Robert D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Producing decomposition products from olefine-SO_2 complexes. 2,102,654; Dec. 21.
Societe d'Exploitation de Brevets pour l'Industrie l'Aviation et l'Automobile (Sebia). (See Dugelay, Paul, assignor.)
Society of Chemical Industry in Basle. (See Ruperti, Andreas, assignor.)
Socony-Vacuum Oil Company. (See Bridges, Kenneth L., assignor.)
Socony-Vacuum Oil Company. (See Happel, J., and Robertson, assignors.)
Solar Sturges Mfg. Co. (See Sturges, Lee, assignor.)
Southgate, George T., Forest Hills, and J. G. Nicolson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Method of and apparatus for making welding rods. 2,102,812; Dec. 21.
Southgate, George T., Forest Hills, and J. G. Nocolson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Company. Welding rod. 2,102,813; Dec. 21.
Spanglet, Ben, Brooklyn, N. Y. Combination bed, table, and sofa. 2,102,980; Dec. 21.
Spayd, Walker H., Van Wert, Ohio. Cleaner for vegetables. 2,102,758; Dec. 21.
Spencer, Herman J., West View, assignor, by mesne assignments, to Leechgrip Company, O'Hara Township, Pa. Strap tensioning and sealing device. 2,102,981; Dec. 21.
Spirig, Josef, Hard, near Bregenz, Vorarlberg, Austria, assignor to A. Hofstetter, Widnau, Switzerland. Burner for liquid fuel. 2,102,759; Dec. 21.
Spousta, George W., Oak Park, Ill. Cheese slicing and dispensing apparatus. 2,102,859; Dec. 21.
Sprankle, Cortes N., Oak Park, and E. J. Golec, assignors to Sears, Roebuck and Co., Chicago, Ill. Metal coloring. 2,102,925; Dec. 21.
Springfield Photomount Company. (See Jolly, Oscar W., assignor.)
Squire, Nathen E., Chicago, Ill. Drive mechanism. 2,103,190; Dec. 21.
Standard Stoker Company, Inc., (1922), The. (See Surdykowski, Charles J., assignor.)
Standard Stoker Company, Inc., (1922), The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, Inc., (1922), The. (See Myers, John W., assignor.)
Standard Stoker Company, Inc., (1922), The. (See Turner, E. A., and Surdy, assignors.)
Standard Stoker Company, (1922), The. (See Turner, Edwin A., assignor.)
Stark, Helmuth, Berlin-Charlottenburg, assignor to Hoesch-KölnNeuessen Aktiengesellschaft für Bergbau und Hüttenbetrieb, Dortmund, Germany. Laminated spring. 2,103,122; Dec. 21.
Sté dite Satujo Sté Anma de Construction de, Tuyaux sans Joints Systems Cravetto Breveté S. G. D. G. (See Mourraille, Jean P. L., assignor.)
Steel Nut & Joseph Hampton Limited, The. (See Nash, Samuel T., assignor.)
Stein, Edward P., F. D. Thornton, and R. Morris, assignors of one-half to J. A. Russell, Chicago, Ill. Amusement game. 2,103,191; Dec. 21.

Stein, Edward P., F. D. Thornton, and R. Morris, assignors of one-half to J. A. Russell, Chicago, Ill. Amusement game. 2,103,192; Dec. 21.
Stein, Hall Manufacturing Company. (See Bauer, Jordan V., assignor.)
Sternaman, Roy A. (See Cornell, E. S., Koerner, and Sternaman.)
Stevens, Leo J., San Francisco, Calif. Annunciator. 2,103,123; Dec. 21.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stilwell, George R., Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Photoelectric tube. 2,102,760; Dec. 21.
Stires, William H., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J. Cutter head for suction dredges. 2,103,124; Dec. 21.
Stoddard, Nicholas, Durham, N. C. Magnetic thread cleaner. 2,103,125; Dec. 21.
Stoner, Harry B., and K. Knickerbocker, assignors to Stoner Mfg. Corp., Aurora, Ill. Game apparatus. 2,102,860; Dec. 21.
Stoner Mfg. Corp. (See Stoner, H. B., and Knickerbocker, assignors.)
Strano, Sam, and R. E. Gehne, assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove top. 2,103,100; Dec. 21.
Strawn, Marion L., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,102,655; Dec. 21.
Strobel, Karl, Corporation. (See Strobel, Karl, assignor.)
Strobel, Karl, Whittier, assignor to Karl Strobel Corporation, Los Angeles, Calif. Welding generator. 2,102,761; Dec. 21.
Stuart, Henry B., assignor to Whitin Machine Works, Whitinsville, Mass. Lubricated twister ring. 2,102,861; Dec. 21.
Sturges, Lee, Elmhurst, assignor to Solar Sturges Mfg. Co., Bellwood, Ill. Reinforcing a milk-can neck. 2,102,862; Dec. 21.
Sugihara, Shuichi, Toda-machi, Naka-ku, Nagoya, assignor to Mitsubishi Jukogyo Kabushiki Kaisha, Tokyo, Japan. Device for automatically regulating the amount of fuel injection. 2,103,126; Dec. 21.
Sullivan, Frank J., Oshkosh, Wis. Traveling bag. 2,103,207; Dec. 21.
Summers, Otto M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,102,762; Dec. 21.
Sun Oil Company. (See Barton, Paul D., and Banks, assignors.)
Superheater Company, The. (See Ostermann, R. M., and Williams, assignors.)
Surdy, Charles J. (See Surdykowski, Charles J.)
Surdy, Charles J. (See Turner, E. A., and Surdy.)
Surdykowski, Charles J., Tuchahoe, N. Y., now, by Judicial change of name, to C. J. Surdy, assignor to Standard Stoker Company, Inc., (1922). Locomotive stoker. 2,103,211; Dec. 21.
Sutherland Paper Company. (See Annen, James E., assignor.)
Sutterfield, Noel H., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burning apparatus. 2,102,763; Dec. 21.
Swenson Evaporator Company. (See Bielfeldt, Paul W., assignor.)
Szekely, Otto E., Elmira, N. Y. Driving and supporting assembly for automotive vehicles. 2,102,923; Dec. 21.
Talbert, Guy W., Summit, N. J., and J. D. Kerr, Forest Hills, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of partial oxidation products. 2,102,863; Dec. 21.
Taylor, Charles H., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,103,101; Dec. 21.
Taylor, Fred C., assignor to The Taylor Wine Company, Hammondsport, N. Y. Illuminated rotatable display stand. 2,102,982; Dec. 21.
Taylor, Vernon F., San Antonio, Tex. Illuminating device. 2,102,764; Dec. 21.
Taylor-Wharton Iron & Steel Company. (See Stires, William H., assignor.)
Taylor Wine Company, The. (See Taylor, Fred C., assignor.)
Tear, Harry R., Evanston, Ill., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,103,044; Dec. 21.
Teletype Corporation. (See Kleinschmidt, Edward E., assignor.)
Thomas, Albert R., Phoenix, Ariz. Vase. 2,102,924; Dec. 21.
Thompson, Albert R., Los Gatos, Calif., and W. de Back, Niagara Falls, N. Y. Fruit dividing mechanism for fruit preparation machines. 2,102,765; Dec. 21.
Thomson-Gibb Electric Welding Company. (See Ober, William T., assignor.)
Thoresen, Ralph S., Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y. Heat exchanger. 2,103,102; Dec. 21.
Thornton, Fulton D. (See Stein, E. P., Thornton, and Morris.)
Thorsen, James W., Bronxville, N. Y. Liquid dispenser and dispensing liquids. 2,103,194; Dec. 21.
Thouret, Wolfgang. (See Rompe, R., and Thouret.)
Timken-Detroit Axle Company, The. (See Sutterfield, Noel H., assignor.)
Tipsord, Melvin T., assignor to James R. Kearney Corporation, St. Louis, Mo. Pin and bolt holder. 2,102,926; Dec. 21.
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tivoli Brewing Company. (See Novotny, Anton, assignor.)
Tooker, John N., Canajoharie, assignor to B. Arkell, New York, N. Y. Forming valve bags. 2,102,766; Dec. 21.
Tooker, John N., Canajoharie, assignor to B. Arkell, New York, N. Y. Machine for forming valve bags. 2,102,767; Dec. 21.
Torsion Balance Company, The. (See Becker, C. A., and Seyter, assignors.)
Traut, Conrad W. (See Shank, C. L., and Traut.)
Treger, Aron S., Independence, Kans. Eyeglasses. 2,103,025; Dec. 21.
Trencham, Henry, Ruislip, and H. E. Cox, Dollis Hill, London, England, assignors to General Electric Company. Liquid break circuit breaker. 2,102,768; Dec. 21.
Tropsch, Hans, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,102,927; Dec. 21.
Turner, Edwin A., assignor, by mesne assignments, to The Standard Stoker Company, (1922), New York, N. Y. Locomotive stoker. 2,103,045; Dec. 21.
Turner, Edwin A., New York, and C. J. Surdy, Tuckahoe, assignors, by mesne assignments, to The Standard Stoker Company Inc., (1922), New York, N. Y. Conveyer. 2,103,212; Dec. 21.
Ulrich, Horace W., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Service observing system. 2,102,769; Dec. 21.
Union Carbide and Carbon Company. (See Southgate, G. T., and Nicolson, assignors.)
Union Carbide and Carbon Corporation. (See Southgate, G. T., and Nicolson, assignors.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Pfiasterer, George R., assignor.)
United Research Corporation. (See Hasbrouck, Harold J., Jr., assignor.)
United Research Corporation. (See Ma Gee, Frank B., assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Miner, George A., assignor.)
United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)
United States Rubber Company. (See Adamson, Percy, assignor.)
United States Rubber Products, Inc. (See Pickett, Francis N., assignor.)
Universal Oil Products Company. (See Barnes, Merion W., assignor.)
Universal Oil Products Company. (See Benedict, Wayne L., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Tropsch, Hans, assignor.)
Uyterhoeven, Willem. (See Druyvesteyn, M. J., Uyterhoeven, Bol, and van Dam.)
Uyterhoeven, Willem. (See Holst, G., and Uyterhoeven.)
Uyterhoeven, Willem, and C. Verburg, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,103,046; Dec. 21.
Uyterhoeven, Willem, and C. Verburg, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge device. 2,103,047; Dec. 21.
van Dam, Martinus. (See Druyvesteyn, M. J., Uyterhoeven, Bol, and van Dam.)
Van Dusen, Milton S. (See Smith, G. A., and Van Dusen.)
Van Enkevoort, Albert J., Milwaukee, Wis. Flowerpot holder. 2,103,127; Dec. 21.
Van Leunen, Harry D., Wichita, Kans. Illuminating device. 2,102,928; Dec. 21.
Van Valkenburg, Richard M., Fulton, N. Y. Golf tee. 2,103,026; Dec. 21.
Vaughn, Sidney P., U. S. Navy. Ackerman, Miss. Thermostatic device. 2,102,656; Dec. 21.
Verburg, Cornelis. (See Uyterhoeven, W., and Verburg.)
Vernam, Gilbert S., Hackensack, N. J., and F. G. Halsden, Bellerose, assignors to Postal Telegraph-Cable Company (New York), New York, N. Y. Telegraph system. 2,102,983; Dec. 21.
Verry, Irving H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Support for weft replenishing magazines. 2,102,864; Dec. 21.
Viau, Charles T., Fresno, Calif. Bearing for disk harrows. 2,102,822; Dec. 21.
Vickers, Harry F., assignor to Vickers Incorporated, Detroit, Mich. Combined flow control and relief valve. 2,102,865; Dec. 21.
Vickers Incorporated. (See Vickers, Harry F., assignor.)
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Machine for applying adhesive. 2,102,984; Dec. 21.

Von Ledermann, Lucie, Beverly Hills, Calif., assignor of one-half to C. B. Burns, New York, N. Y. Halter. 2,102,770; Dec. 21.
Von Palmenberg, Raymond T., New York, N. Y. Clip. 2,102,857; Dec. 21.
Von Wald, John A., Los Angeles, Calif. Nonglare headlight. 2,103,208; Dec. 21.
Wacker, Dr. Alexander, Gesellschaft für Electrochemische Industrie, G. m. b. H. (See Kaufler, F., and Schmitz, assignors.)
Wadel, Josef, Hamburg, Germany. Apparatus for loosening the scalp. 2,102,985; Dec. 21.
Wahlsten, Gösta. (See Lysholm, A., Horney, and Wahlsten.)
Waldron, John, Corporation. (See Dickhaut, C. A., and Warner, assignors.)
Waldron, William R. (See Peck, F. W., and Waldron.)
Wallace, James H., Wenatchee, Wash. Brace. 2,102,929; Dec. 21.
Walsh, John J., Maple Shade, N. J. Elevator guide rail lubricator. 2,102,814; Dec. 21.
Walsh, Walter, and S. H. Forster, Menomonie, Wis., assignors of one-half to said Walsh and one-half to said Forster. Combination furnace. 2,102,823; Dec. 21.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Chilling device. 2,102,866; Dec. 21.
Walter, James C., Warwick, assignor to The Eagle Engineering Company, Limited, Eagle Works, England. Refuse collecting vehicle. 2,103,128; Dec. 21.
Walters, G. M. (See Nash, Paul H., assignor.)
Waltham Watch Company. (See Sherwood, Walter E., assignor.)
Warner, Sterling W. (See Dickhaut, C. A., and Warner.)
Waters, Sidney J., Santa Monica, Calif. Internal combustion engine. 2,103,103; Dec. 21.
Watkins, Edward G., assignor to Simplex Time Recorder Company, Gardner, Mass. Workman's time recorder. 2,102,771; Dec. 21.
Watts, James G., Vancouver, British Columbia, Canada. Dispensing and measuring closure. 2,102,772; Dec. 21.
Waugh, Arthur L., Chicago, Ill. Ligature treating apparatus. 2,102,868; Dec. 21.
Weasler, Anthony V., and A. C. Meyer, assignors to Pick Manufacturing Company, West Bend, Wis. Grille guard. 2,102,815; Dec. 21.
Weaver, James A., Jr. (See Blackburn, J., and Weaver.)
Weaver, Leo L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for handling strands. 2,102,773; Dec. 21.
Weber, Arthur G. (See Woodhouse, J. C., and Weber.)
Weidhaas, Karl, Berlin-Treptow, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,048; Dec. 21.
Weisenburg, Andrew, assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Window channel. 2,102,858; Dec. 21.
Weiss, Emil. (See Becker, O. W., and Weiss.)
Wendel, Rudolf, Rosyln Heights, N. Y. Lighting fixture. 2,102,816; Dec. 21.
West Michigan Steel Foundry Co. (See Seyferth, Carl G., assignor.)
Western Electric Company. (See Dixon, Alfred L., assignor.)
Western Electric Company. (See Franz, Erwin E., assignor.)
Western Electric Company. (See Kivley, Ray C., assignor.)
Western Electric Company. (See March, A. T., and Remmers, assignors.)
Western Electric Company. (See Morberg, Ivar A., assignor.)
Western Electric Company. (See Ratcliffe, Harry, assignor.)
Western Electric Company. (See Weaver, Leo L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Weymouth, Frederick R., Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation. Fuselage construction. 2,102,817; Dec. 21.
Wharton, Thomas E., Fairfield, Conn., assignor to Remington Arms Company, Inc. Cutlery. 2,102,930; Dec. 21.
Whitaker, Uncas A., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,103,049; Dec. 21.
White Cap Company. (See White, William P., assignor.)
White, Chester R., assignor of one-half to M. Miller, Mount Carmel, Ill. Corn planter. 2,103,129; Dec. 21.
White, Ezekiel F., West Hartford, Conn. Adjustable gun choke. 2,102,931; Dec. 21.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Dusting tool for suction cleaners. 2,103,050; Dec. 21.
White, John F., Bloomington, Ill. Buffing wheel and manufacture. 2,102,867; Dec. 21.
White John W., Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation. Breathing seal. 2,102,824; Dec. 21.
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Package sealing apparatus. 2,103,051; Dec. 21.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitehead, William. (See Dreyfus, C., and Whitehead.)
Whitin Machine Works. (See Stuart, Henry B., assignor.)
Whitney Metal Tool Company. (See Gardner, Ralph D., assignor.)
Wiegand, Kurt. (See Fritze, O., Rüttenauer, and Wiegand.)
Wiegand, Kurt, Berlin-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,103,052; Dec. 21.
Wietzel, Gustav. (See Scheuermann, A., Brill, and Wietzel.)
Wildhaber, Ernest, assignor to Gleason Works, Rochester, N. Y. Producing gears. 2,102,659; Dec. 21.
Wilkening Manufacturing Company. (See Wuerfel, William, assignor.)
Wilkinson, Lester F., Garrett Park, Md. Sensing mechanism for tabulating machines. 2,102,932; Dec. 21.
Williams, Arthur. (See Ostermann, R. M., and Williams.)
Williams, Selden T., Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Coupling. 2,102,774; Dec. 21.
Wilson Engineering Corporation. (See McCoy, V. E., assignor, and Anderson.)
Windle, Randolph T., New York, N. Y. Safety bar or grating. 2,103,130; Dec. 21.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on sheet material. 2,102,660; Dec. 21.
Winter, Herbert, Buchschlag in Hessia, Germany, assignor to The New Jersey Zinc Company, New York, N. Y. Zinc alloys. 2,102,869; Dec. 21.
Winthrop Chemical Company. (See Pützer, B., and Schönhöfer, assignors.)
Winthrop Chemical Company Inc. (See Kircher, A., and Siens, assignors.)
Wirbatz, Wilhelm. (See Müller, R., Schenck, and Wirbatz.)
Witzel, Ernst, assignor to Young Radiator Company, Racine, Wis. Evaporator. 2,102,870; Dec. 21.
Wolf Brothers. (See Wolf, Howard A., assignor.)
Wolf, Harry C., assignor to Irsugo Consolidated Mines, Limited, Indianapolis, Ind. Unlocking ore bodies to extract sulphur and iron therefrom. 2,103,131; Dec. 21.
Wolf, Howard A., assignor to Wolf Brothers, Philadelphia, Pa. Bag. 2,103,199; Dec. 21.
Woodhead, Hannah C., Darby, Pa. Automobile gas tank cap lock. 2,102,775; Dec. 21.
Woodhouse, John C., Cragmere, and A. G. Weber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydraulic fluids. 2,102,825; Dec. 21.
Worthington Machinery Corporation of Oklahoma. (See Kotzebue, Meinhard H., assignor.)
Worthington Pump and Machinery Corporation. (See Hirschberg, Charles A., assignor.)
Wright, Walter F. (See Dall, Edward D., assignor.)
Wuerfel, William, assignor to Wilkening Manufacturing Company, Philadelphia, Pa. Piston construction. 2,102,661; Dec. 21.
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,102,662; Dec. 21.
Wurzbach, Hugh E., and C. H. Konold, Magna, Utah. Vibratory apparatus. 2,102,826; Dec. 21.
Wynne, Tillet H., Sr., Griffin, Ga. Eyeglass. 2,102,986; Dec. 21.
Yamamoto, Samuro, assignor to Shozaburo Hashino, Iriaral Machi, Ebara-gun, Tokyo-fu, Japan. Spinning liquor for artificial silks. 2,102,933; Dec. 21.
Yoerg, Alfred F., assignor of one-half to H. Schlesinger, Des Moines, Iowa. Electric rotary laundry iron. 2,102,871; Dec. 21.
Yohe, Robert V. (See Semon, W. L., and Yohe.)
Yosyk, Thomas, Ridgewood, N. Y. Garment pressing machine. 2,102,663; Dec. 21.
Young, Fred M., Racine, Wis. Radiator. 2,103,105; Dec. 21.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Air conditioner for vehicle bodies. 2,103,104; Dec. 21.
Young, L. A., Spring and Wire Corporation. (See Lesinski, Walter, assignor.)
Young Radiator Company. (See Witzel, Ernst, assignor.)
Young Radiator Company. (See Young, Fred M., assignor.)
Youngstown Steel Door Company, The. (See Ditchfield, Frank, assignor.)
Yurkovitch, Anton, Pittsburgh, Pa. Bracket device. 2,103,106; Dec. 21.
Zaidan Hojin Rikagaku Kenkyujo. (See Akahira, Takeo, assignor.)
Zivi, Edwin L. (See Gray, R. B., and Zivi.)
Zotos Corporation. (See McDonough, Everett G., assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Display device. L. E. Shaw. 20,599; Dec. 21.
Fastener, Snap. F. Thiele. 20,601; Dec. 21.
Film magazine. N. Bouveng. 20,595; Dec. 21.
Fluid power controlling mechanism. E. G. Staude. 20,600; Dec. 21.
Fuel, Manufacturing motor. J. F. M. Taylor, B. S. Greensfelder, and R. N. Shiras. 20,596; Dec. 21.
Internal combustion engine. L. C. Jackson. 20,597; Dec. 21.
Packing container. M. P. Mosesian. 20,598; Dec. 21.
Vacuum tube. S. Ruben. 20,602; Dec. 21.

LIST OF DESIGN INVENTIONS

Advertising device, Theater lobby. A. A. Young and A. R. Telser. 107,590–91; Dec. 21.
Antenna, Automobile hood. V. E. Thompson. 107,562; Dec. 21.
Atomizer. F. A. Vuillemenot. 107,566; Dec. 21.
Automobile. D. W. Graber. 107,512; Dec. 21.
Baffle element for lighting fixtures. E. F. Sibbert. 107,554–5; Dec. 21.
Bank, Coin. D. H. Zell. 107,592; Dec. 21.
Belt. A. I. Beldoch. 107,607; Dec. 21.
Body, Automobile. R. Rogers. 107,549; Dec. 21.
Bottle. J. E. Moore. 107,541; Dec. 21.
Bottle. J. E. Moore and B. H. Koons. 107,542; Dec. 21.
Bottle. J. Shoor. 107,580; Dec. 21.
Bottle. J. H. Toulouse. 107,586; Dec. 21.
Bottle, Glass. L. J. Kihn. 107,575; Dec. 21.
Bowl. L. Farber. 107,504; Dec. 21.
Bowl and cover or similar article, Combined. W. K. Titze. 107,585; Dec. 21.
Brush or similar article. P. Muller-Munk. 107,544; Dec. 21.
Buckle. E. V. Penn. 107,546; Dec. 21.
Building. D. G. Terrie. 107,561; Dec. 21.
Cape. B. Lefrak. 107,524; Dec. 21.
Case, Corn popping machine. G. A. Delf. 107,502; Dec. 21.
Casing, Flashlight. H. M. Price . 107,578; Dec. 21.
Casing, Scale. J. M. Little and H. L. van Doren. 107,526; Dec. 21.
Casing, Telephone. T. McCann. 107,538; Dec. 21.
Casing, Toilet odor expeller. G. H. Davis. 107,501; Dec. 21.
Casket, Burial. R. J. Treviño. 107,587; Dec. 21.
Chair. J. B. O'Connor. 107,545; Dec. 21.
Charm or the like. W. Lampl. 107,523; Dec. 21.
Chimney and lamp shade, Combined. S. A. Baker. 107,496; Dec. 21.
Coat. H. Miller. 107,601; Dec. 21.
Coat. H. Miller. 107,632; Dec. 21.
Comb, Curling. E. C. Ruckdeschel and W. N. Brady. 107,550; Dec. 21.
Curtain. G. F. Erhard. 107,614; Dec. 21.
Cushion. J. H. Johnson. 107,520; Dec. 21.
Desk unit, Combination. R. H. Cromwell. 107,594; Dec. 21.
Dish and cover or similar article, Combined refrigerator. W. K. Titze. 107,565; Dec. 21.
Dish or similar article. W. H. Gerth and A. Krautheim. 107,598; Dec. 21.
Doll, Toy. J. Swedlin. 107,583; Dec. 21.
Dress. S. Cicardo. 107,609; Dec. 21.
Dress. T. Coleman. 107,611–12; Dec. 21.
Dress. S. Comolli. 107,626; Dec. 21.
Dress. J. Greenman. 107,627–9; Dec. 21.
Dress. M. Hall. 107,599; Dec. 21.
Dress. M. Hall. 107,630–31; Dec. 21.
Dress. P. Schlessel. 107,618; Dec. 21.
Dress. M. E. Smith. 107,620; Dec. 21.
Dress. M. Stone. 107,633; Dec. 21.
Dress. V. Tomshinsky. 107,622; Dec. 21.
Dress. A. Waxberg. 107,606; Dec. 21.
Dress. I. Welch. 107,569; Dec. 21.
Dress. H. Zinn. 107,624; Dec. 21.
Dress ensemble. C. Colcord. 107,610; Dec. 21.
Electric controlling device. C. B. Stevens. 107,559; Dec. 21.
Fabric, Embroidered. I. Stiglitz. 107,621; Dec. 21.
Fabric, Textile. J. W. H. Brooks. 107,593; Dec. 21.
Fabric, Textile. J. W. H. Brooks. 107,608; Dec. 21.
Fabric, Textile. J. W. H. Brooks. 107,625; Dec. 21.
Fabric, Textile. M. Forman. 107,615; Dec. 21.
Fabric, Textile. R. S. Gentile. 107,597; Dec. 21.
Fabric, Textile. R. S. Gentile. 107,616; Dec. 21.
Fabric, Textile. E. P. Hullings. 107,617; Dec. 21.
Fabric, Textile. W. Ross. 107,603; Dec. 21.
Fabric, Textile. J. W. Snowden. 107,604; Dec. 21.
Fabric, Textile. M. Turpan. 107,605; Dec. 21.
Fabric, Textile. M. Turpan. 107,623; Dec. 21.
Fabric, Textile. M. Turpan. 107,634–5; Dec. 21.
Fan, Electric. R. E. Kruck. 107,522; Dec. 21.
Food server or similar article. L. Guild. 107,516; Dec. 21.
Handbag. H. Felmann. 107,505–10; Dec. 21.
Handbag. H. Felmann. 107,595–6; Dec. 21.
Hat. E. Schoen. 107,553; Dec. 21.
Heater or the like, Automobile. G. R. Graff. 107,513–14; Dec. 21.
Holder, Desk memorandum sheet. O. F. Holmgreen and W. B. Petzold. 107,518; Dec. 21.
Holder or the like, Pot. M. M. Sieverling. 107,619; Dec. 21.
Housing, Parking meter. R. Loewy. 107,527–31; Dec. 21.
Housing, Parking meter. J. B. McGay and G. E. Nicholson. 107,577; Dec. 21.
Humidifier. E. A. Reid. 107,548; Dec. 21.
Jar or similar container. W. F. Straub. 107,582; Dec. 21.
Lamp. F. F. Holstein. 107,519; Dec. 21.
Lavatory and cabinet, Combined. G. Sakier. 107,551; Dec. 21.
Letter opener and ruler, Combined educational. R. V. Erk. 107,570; Dec. 21.
Marker, Highway. F. T. Ranney. 107,579; Dec. 21.
Mirror or similar article. P. Muller-Munk. 107,543; Dec. 21.
Mouthpipe key for a saxophone. H. W. Loney. 107,535; Dec. 21.
Novelty, Mailing. C. E. Walker. 107,568; Dec. 21.
Pail, Milk. T. D. McHale. 107,540; Dec. 21.
Pencil. R. Kropsch. 107,521; Dec. 21.
Pencil tip. W. Cook. 107,498–500; Dec. 21.
Pitcher or similar article. W. K. Titze. 107,564; Dec. 21.
Refrigerator cabinet body. C. A. Frick. 107,571; Dec. 21.
Ring, Monogram napkin. P. Brady. 107,497; Dec. 21.
Saddle. C. R. Waldron and R. W. Faulhaber. 107,589; Dec. 21.
Shoe. W. Ebling. 107,503; Dec. 21.
Shoe. J. Levine. 107,525; Dec. 21.
Shoe. E. W. McCain. 107,536–7; Dec. 21.
Shoe. H. Sobel. 107,556–8; Dec. 21.
Shoe. B. L. Wales. 107,567; Dec. 21.
Shoe or similar article. M. Pianco. 107,602; Dec. 21.
Slacks and suspenders, Combination. M. Solomon. 107,581; Dec. 21.
Slip. S. B. Hochman. 107,572–3; Dec. 21.
Stand, Axle. A. L. Johnson. 107,574; Dec. 21.
Standard for theater chairs, End. R. Loewy. 107,532–4; Dec. 21.
Statuette or similar article. N. A. Long. 107,576; Dec. 21.
Support for invalids, Walking. E. R. Vaught. 107,588; Dec. 21.
Sweater. S. Kurtz. 107,600; Dec. 21.
Tank, Trailer. R. D. George. 107,511; Dec. 21.
Tank, Vehicular. F. G. Thwaits. 107,563; Dec. 21.
Tire, Pneumatic. S. P. Thacher. 107,584; Dec. 21.
Toaster. G. T. Scharfenberg. 107,552; Dec. 21.
Tool, Glass cutting. H. G. Hamilton. 107,517; Dec. 21.
Tool unit, Power-driven hand. D. D. Taylor. 107,560; Dec. 21.
Tractor body. E. McCormick. 107,539; Dec. 21.
Tumbler. R. Peters. 107,547; Dec. 21.
Vest, Knitted. N. Cooper. 107,613; Dec. 21.
Wheel for a roller skate or the like. E. A. Grange, A. F. Kaptuller, and E. J. Schmidt. 107,515; Dec. 21.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive pad. M. F. Read. 2,102,745; Dec. 21.
Acetaldehyde, Production of. A. Scheuermann, R. Brill, and G. Wietzel. 2,102,751; Dec. 21.
Acoustical device. H. F. Olson. 2,102,736; Dec. 21.
Adding machine. M. Garbell. 2,102,693; Dec. 21.
Adhesive, Plyboard. J. V. Bauer. 2,102,937; Dec. 21.
Advertising carrier, Automobile rear. H. A. Acy. 2,102,987; Dec. 21.
Advertising device. C. Jerabek. 2,102,798; Dec. 21.
Advertising or display device. L. Prins. 2,103,175; Dec. 21.
Agitator for game elements. C. F. Klein. 2,103,009; Dec. 21.
Air conditioner for vehicle bodies. F. M. Young. 2,103,104; Dec. 21.
Air heater. W. P. Hayne. 2,102,592; Dec. 21.
Air treating unit. D. M. Hall. 2,102,703; Dec. 21.
Aircraft construction. R. B. Gray and E. L. Zivl. 2,102,590; Dec. 21.
Alcohols, Production of. M. Luther and W. Dietrich. 2,102,726; Dec. 21.
Aldehydes, Manufacture of unsaturated. W. C. Meuly. 2,102,965; Dec. 21.
Alloys, Heat treating nickel-iron. A. L. Dixon. 2,102,683; Dec. 21.
Alloys, Zinc. H. Winter. 2,102,869; Dec. 21.
Amplifier, Thermionic. G. L. Beers. 2,102,779; Dec. 21.
Anesthetics, Apparatus for giving. J. Carré. 2,103,144; Dec. 21.
Annunciator. L. J. Stevens. 2,103,123; Dec. 21.
Antimony chlorides, Preparation of. F. W. Peck and W. R. Waldron. 2,102,737; Dec. 21.
Antioxidant. W. L. Semon and R. V. Yohe. 2,103,188; Dec. 21.
Armature, Commutating type. W. J. Morrill. 2,103,166; Dec. 21.
Armor plates, Manufacture of. G. L. Miller. 2,102,963; Dec. 21.
Article filing and delivery system. J. W. Coombs. 2,102,995; Dec. 21.
Article holder. A. T. Fischer. 2,102,690; Dec. 21.
Articles containing organic derivatives of cellulose, Method and device of treating. B. C. Gibbs. 2,102,794; Dec. 21.
Articles, Forming sheet metal. I. A. Morberg. 2,102,732; Dec. 21.
Artificial effect material. R. P. Roberts. 2,102,647; Dec. 21.
Asphalt solution. F. Kaufler and H. P. Schmitz. 2,102,957; Dec. 21.
Assembly for automotive vehicles, Driving and supporting. O. E. Szekely. 2,102,923; Dec. 21.
Automatic system for supplying pulverized fuel to furnaces. E. V. Francis. 2,102,691; Dec. 21.
Auxiliary wheel. J. R. Catalina. 2,102,835; Dec. 21.
Azo dyestuffs. J. H. Helberger and O. Bayer. 2,102,593; Dec. 21.
Bag: *See*—
  Traveling bag. Valve-closed bag.
Bag. H. A. Wolf. 2,103,199; Dec. 21.
Bag and producing the same. F. T. Robinson. 2,103,092; Dec. 21.
Bait, Fish. F. J. Peters. 2,102,739; Dec. 21.
Bar or grating, Safety. R. T. Windle. 2,103,130; Dec. 21.
Barrier in connection with exit portal in fish lifts, Telescopic. L. E. Knerr. 2,102,628; Dec. 21.
Bars, Method of and apparatus for handling hot metal. J. R. George. 2,102,792; Dec. 21.
Base, Baseball. G. H. Conrad. 2,103,148; Dec. 21.
Bathtub. R. Mueller. 2,102,733; Dec. 21.
Bathing device, Infant's. B. H. Kennedy. 2,102,958; Dec. 21.
Bathtub and foot actuated dressing table therefor, Infant's. D. M. Kennedy. 2,102,959; Dec. 21.
Bearing: *See*—
  Pump thrust bearing
Bearing. C. H. Hellyar. 2,102,952; Dec. 21.
Bearing for disk harrows. C. T. Vian. 2,102,822; Dec. 21.
Bed, table, and sofa, Combination. B. Spanglet. 2,102,980; Dec. 21.
Beehive. E. Engelbrektsson. 2,103,066; Dec. 21.
Binding, Ski. J. E. Barieau. 2,102,669; Dec. 21.
Blades in rotary machines, Arrangement of radially traversed. U. Meininghaus. 2,102,637; Dec. 21.
Block: *See*—
  Building block.
Blood, Method of and apparatus for sedimentation testing of. C. Brooks. 2,102,785; Dec. 21.
Board and parts thereof, Panel. W. H. Frank, C. T. Hollingsworth, and L. E. Fisher. 2,103,069; Dec. 21.
Boat, Power. B. W. Morris, Jr. 2,103,087; Dec. 21.
Boiler feed apparatus. V. E. McCoy and R. W. Anderson. 2,103,225; Dec. 21.
Bolt heads, Forming. H. Cadwallader, Jr. 2,102,941; Dec. 21.
Bolt-setting tool. M. Holhut. 2,102,897; Dec. 21.
Bottle filling machine. J. Kantor. 2,103,158; Dec. 21.
Bottle, Nonrefillable. S. G. Conkling. 2,103,065; Dec. 21.
Box: *See*—
  Mail box. Steam box.
Brace. J. H. Wallace. 2,102,929; Dec. 21.
Bracket device. A. Yurkovitch. 2,103,106; Dec. 21.
Braided article. P. H. Boivin. 2,102,829; Dec. 21.
Brake. E. G. Carroll. 2,102,833–4; Dec. 21.
Brake. L. E. La Brie. 2,102,851–2; Dec. 21.
Brake. E. G. McDonald. 2,102,853; Dec. 21.
Brake controlling device, Automobile. A. Pichuckl. 2,103,089; Dec. 21.
Brake lining. A. Rosner. 2,102,855; Dec. 21.
Brake mechanism. C. A. Sawtelle. 2,102,810; Dec. 21.
Brake system for trains. F. K. Clar. 2,103,061; Dec. 21.
Brassière. M. Cadolle. 2,103,060; Dec. 21.
Bricks, Making refractory. G. E. Sell. 2,102,976; Dec. 21.
Bridge table. C. S. Dill. 2,102,888; Dec. 21.
Bulling wheel and manufacture. J. F. White. 2,102,867; Dec. 21.
Building block. G. A. Smith and M. S. Van Dusen. 2,102,756; Dec. 21.
Building structure. D. M. Douglass. 2,103,152; Dec. 21.
Burner for liquid fuel. J. Spirig. 2,102,759; Dec. 21.
Butter-substitute mixing and molding device. R. R. Auerswald. 2,102,874; Dec. 21.
Cabinet for the use and storage of an instrument. R. C. Robert. 2,103,091; Dec. 21.
Cable, Electric. D. M. Robinson. 2,102,974; Dec. 21.
Calculating machine of the ten key type. E. V. Gustafsson and G. H. Hellgren. 2,102,700; Dec. 21.
Caiking gun. R. E. Bishop. 2,102,939; Dec. 21.
Can: *See*—
  Garbage can. Oil can.
Can and cover feeding mechanism. N. P. Bach. 2,102,605; Dec. 21.
Can neck, Reinforcing a milk. L. Sturges. 2,102,862; Dec. 21.
Canalized structures, Apparatus for constructing monolithic. J. P. L. Mourraille. 2,102,639; Dec. 21.
Candy, Packaging. G. A. Petremont. 2,102,971; Dec. 21.
Cap, Delay blasting. M. Palmieri and S. D. Ehrlich. 2,103,014; Dec. 21.
Cap, Dispensing. R. E. Salvesen. 2,102,749; Dec. 21.
Caps to bottles, Making and applying. J. R. Gammeter. 2,102,949; Dec. 21.
Capsule or storing fluids. P. Schlumbohm. 2,102,858; Dec. 21.
Car control mechanism, Motor. R. G. Coates. 2,102,586; Dec. 21.
Car construction, Hopper. N. B. Akitt. 2,103,132; Dec. 21.
Car, Refrigerator. J. Lithgow. 2,102,725; Dec. 21.
Carburetor. S. F. Hunt. 2,102,846; Dec. 21.
Carrier: *See*—
  Advertising carrier.
Carrier telegraph system. J. T. Nelswinter. 2,102,735; Dec. 21.
Cart, Rocker dump hand. R. B. Dorward. 2,102,684; Dec. 21.
Case: *See*—
  Snelled hook case.
Casein compound and process of making. H. V. Dunham. 2,103,153; Dec. 21.
Catalytic oxidation, Controlled. L. G. Jenness. 2,103,219; Dec. 21.
Cellulose esters. R. Müller, M. Schenck, and W. Wirbatz. 2,103,012; Dec. 21.
Cellulose nitrate, Dehydrating. D. G. Kennedy and J. K. Rulon. 2,102,799; Dec. 21.
Check writer. O. Slettevold and C. W. Johnson. 2,103,098; Dec. 21.
Cheese slicing and dispensing apparatus. G. W. Spousta. 2,102,859; Dec. 21.
Chilling device. C. T. Walter. 2,102,866; Dec. 21.
Chiropractic demonstrating device. G. W. Salsman. 2,103,021; Dec. 21.
Circuit breaker. W. H. Frank. 2,103,070; Dec. 21.
Circuit breaker, Liquid break. H. Trencham and H. E. Cox. 2,102,768; Dec. 21.

Circuit, Electric valve. R. G. Lorraine. 2,103,164; Dec. 21.
Circuit, Electrical tuned. D. E. O'Donovan. 2,102,805; Dec. 21.
Circuit interrupter. J. Slepian. 2,103,121; Dec. 21.
Clamping device. R. D. Gardner. 2,103,074; Dec. 21.
Cleaner: *See*—
  Magnetic thread cleaner. Vacuum cleaner.
  Suction cleaner.
Cleaner for vegetables. W. H. Spayd. 2,102,758; Dec. 21.
Cleaning tool. H. Siemund. 2,103,198; Dec. 21.
Clinker cooler. R. C. Newhouse and B. H. Puerner. 2,103,170; Dec. 21.
Clip. R. T. von Palmenberg. 2,102,657; Dec. 21.
Clipper. H. Hill and W. H. Foxall. 2,102,594; Dec. 21.
Closure, Dispensing and measuring. J. G. Watts. 2,102,772; Dec. 21.
Coating and stripping device. F. P. Carlson. 2,102,679; Dec. 21.
Coating composition and making the same. M. V. Hitt, D. G. Kennedy, and H. L. Priddy. 2,102,595; Dec. 21.
Coatings to shoes and other objects, Applying protective. C. Miller. 2,102,804; Dec. 21.
Combination furnace. W. Walsh and S. H. Forster. 2,102,823; Dec. 21.
Combination tool. J. J. Kinast. 2,103,008; Dec. 21.
Compacting apparatus. T. A. Bowers. 2,103,142; Dec. 21.
Concealable spot lamp. T. W. Neel and J. D. Blocker. 2,102,967; Dec. 21.
Condensers, Device for charging. A. Bouwers. 2,102,883; Dec. 21.
Connecter: *See*—
  Electrical connecter. Wire connecter.
  Wall connecter.
Constant temperature apparatus. S. A. Bokovoy. 2,102,783; Dec. 21.
Container. J. E. Annen. 2,102,666; Dec. 21.
Container conveyer and distributor. C. N. Bergmann. 2,103,107; Dec. 21.
Container for preserving eggs. N. G. Conner. 2,102,886; Dec. 21.
Container sealing machine. I. E. Black, F. J. Hoffer, and H. B. Silver. 2,103,213; Dec. 21.
Container structure, Individual cosmetic. J. O. Carroll. 2,102,885; Dec. 21.
Control of gearing for driving superchargers on aircraft engines. G. M. Cutler. 2,103,149; Dec. 21.
Control system. J. R. Alexander, Jr. 2,102,664; Dec. 21.
Controlling apparatus. R. D. McDill. 2,102,598; Dec. 21.
Conveyer. E. A. Turner and C. J. Surdy. 2,103,212; Dec. 21.
Cooker, Pressure. L. L. Ludington. 2,102,962; Dec. 21.
Cooker, Pressure. C. Nelson. 2,102,908; Dec. 21.
Cooler: *See*—
  Clinker cooler.
Cooler. M. H. Kotzebue. 2,102,723; Dec. 21.
Copper and making the same, High conductivity, phosphorus-deoxidized. F. F. Poland. 2,102,742; Dec. 21.
Copper, Refining. A. T. March and W. E. Remmers. 2,102,728; Dec. 21.
Cosmetics, Protective. S. Isermann, E. Ohlsson, and J. W. Orelup. 2,102,712; Dec. 21.
Coupler, Toy train. N. Rydin. 2,102,649; Dec. 21.
Coupling. G. E. Lofgren. 2,102,802; Dec. 21.
Coupling. S. T. Williams. 2,102,774; Dec. 21.
Coupling device for trailers and tractors. C. G. Seyferth. 2,102,821; Dec. 21.
Cover: *See*—
  Spring cover.
Cover cutting and skiving device, Heel-breast. L. Sabo and J. Polkovics. 2,103,120; Dec. 21.
Crankshaft. E. Rumpler. 2,103,185; Dec. 21.
Creel. G. B. Cocker. 2,102,680; Dec. 21.
Current producing unit or cell, Electric. J. Gyuris. 2,102,701; Dec. 21.
Cushion foot for chairs. G. D. Schermerhorn. 2,103,095; Dec. 21.
Cut-out and joint therefor. T. Birkenmaier. 2,103,056; Dec. 21.
Cutlery. T. E. Wharton. 2,102,930; Dec. 21.
Cutter head for suction dredges. W. H. Stires. 2,103,124; Dec. 21.
Cutting apparatus. W. H. Ford. 2,103,217; Dec. 21.
Dam forming device for listers. C. T. Peacock. 2,103,116; Dec. 21.
Decomposition products from olefine-SO_2 complexes, Producing. R. D. Snow. 2,102,654; Dec. 21.
Decorative coated fabric. H. J. Jenemann. 2,102,715; Dec. 21.
Deflector for knitting machines. R. H. Lawson and W. L. Smith, Jr. 2,103,197; Dec. 21.
Dental jack. D. D. Mizzy and D. L. Durst. 2,103,115; Dec. 21.
Denture cleaning device. D. Pellegrini. 2,102,643; Dec. 21.
Denture demonstrating device. G. H. Burtenshaw. 2,103,058; Dec. 21.
Derivatives of cyclic ether-like compounds, Basic. B. Pützer and F. Schönhöfer. 2,103,017; Dec. 21.
Developer to a moving print, Applying. H. J. Brunk. 2,102,585; Dec. 21.
Device for dispensing measured quantities of divided solid material. E. J. Barnett. 2,102,877; Dec. 21.
Differential gear. L. S. Brown. 2,103,143; Dec. 21.
Dihalogen butenes and their preparation. W. H. Carothers and A. M. Collins. 2,102,611; Dec. 21.
Discharge device, Gaseous and vapor electric. G. E. Inman. 2,103,034; Dec. 21.
Dispenser. H. G. Slining. 2,102,978; Dec. 21.
Dispenser and method for dispensing liquids, Liquid. J. W. Thorsen. 2,103,194; Dec. 21.
Dispensing apparatus for liquefied gas. H. C. Pittman. 2,102,912; Dec. 21.
Display device. N. H. Howe. 2,102,845; Dec. 21.
Display device. J. A. Kern. 2,102,596; Dec. 21.
Display rack. W. E. Shoemaker and G. French. 2,102,977; Dec. 21.
Door check. G. Halinka. 2,103,004; Dec. 21.
Door, Lift. F. Ditchfield. 2,103,000; Dec. 21.
Draft control, Automatic. C. G. Anderson. 2,102,873; Dec. 21.
Draft regulator. J. L. Breese. 2,102,884; Dec. 21.
Drafting machine. L. McDonald. 2,102,636; Dec. 21.
Drain and supply system, Oil. R. J. Gray. 2,102,795; Dec. 21.
Drier: *See*—
  Vertical drier.
Driers, Production of metallic. K. E. Long. 2,102,633; Dec. 21.
Drill feeding mechanism. C. A. Hirschberg. 2,102,706; Dec. 21.
Drink preparing means. E. M. Savage. 2,102,920; Dec. 21.
Drive, Coal worm. H. C. Carter. 2,103,145; Dec. 21.
Drive for printing machines. F. Lamatsch. 2,102,631; Dec. 21.
Drive mechanism. N. E. Squire. 2,103,190; Dec. 21.
Drive of air-screen propelled cars, Electric. H. Fraser. 2,103,156; Dec. 21.
Eggs, Method and apparatus for testing. F. L. Rivenburgh. 2,102,646; Dec. 21.
Electric conduction device. C. Bol. 2,103,028; Dec. 21.
Electric discharge device. K. H. Kingdon. 2,103,159; Dec. 21.
Electric discharge device, Gaseous. N. W. H. Addink. 2,103,053; Dec. 21.
Electric discharge device, Gaseous. E. G. Dorgelo. 2,103,030; Dec. 21.
Electric discharge device, Gaseous. A. Fehse and M. Reger. 2,103,068; Dec. 21.
Electric discharge device, Gaseous. M. Pirani and M. Reger. 2,103,039; Dec. 21.
Electric discharge device, Gaseous. P. Schoonenberg and J. A. M. Smelt. 2,103,043; Dec. 21.
Electric discharge device, Gaseous. W. Uyterhoeven and C. Verburg. 2,103,047; Dec. 21.
Electric discharge devices, Method of and apparatus for operating. L. J. Buttolph. 2,103,059; Dec. 21.
Electric discharge lamp, Gaseous. G. Holst and W. Uyterhoeven. 2,103,078; Dec. 21.
Electric lamp. A. H. McKeag and J. T. Randall. 2,103,085; Dec. 21.
Electrical connecter. W. H. Frank. 2,103,071; Dec. 21.
Electrical connecter. W. A. Heinrich. 2,102,896; Dec. 21.
Electrical currents, Generating. J. Plebanski. 2,103,090; Dec. 21.
Electrical device and cable sealing means, Combined housed. J. P. Smith. 2,102,757; Dec. 21.
Electrical impulses, Recording and reproducing of. M. W. Gleskieng. 2,102,695; Dec. 21.
Electrical impulses, Recording of. K. Schwarz. 2,102,753; Dec. 21.
Electrical switch gear. E. S. Cornell, C. A. Koerner, and R. A. Sternaman. 2,102,887; Dec. 21.
Electrode, Electron emissive. G. E. Inman. 2,103,033; Dec. 21.
Electromagnetic device, Slow. A. B. Rypinski. 2,103,019; Dec. 21.
Enamel, Clouded vitreous. I. Kreidl. 2,102,630; Dec. 21.
Enamel, Making white clouded iron. I. Kreidl. 2,103,229; Dec. 21.
Enamel, Opaque vitreous. C. J. Kinzie. 2,102,720; Dec. 21.
Enamel, White clouded vitreous. I. Kreidl. 2,103,228; Dec. 21.
Engine: *See*—
  Internal combustion engine
Engine and mounting for motor boats and the like, Water buoyed. H. M. Rockwell. 2,103,183; Dec. 21.
Evaporator. E. Witzel. 2,102,870; Dec. 21.
Eyeglass. T. H. Wynne, Sr. 2,102,986; Dec. 21.
Eyeglasses. A. S. Treger. 2,103,025; Dec. 21.
Fabric: *See*—
  Decorative coated fabric.
Fabric and garment, Electric. P. Adamson. 2,103,133; Dec. 21.
Fabrics and other material and their manufacture. R. P. Roberts. 2,102,648; Dec. 21.
Fabrics, Process and apparatus for shrinking. S. L. Cluett. 2,102,942; Dec. 21.
Fabrics, Shrinking. L. D. Myers. 2,103,205; Dec. 21.

Fan with flexible blades. E. S. Preston. 2,102,913; Dec. 21.
Fastener: *See*—
Separable fastener.
Fastener. A. de Vries. 2,102,999; Dec. 21.
Fastening, Resilient conductor. W. Konkel. 2,102,900; Dec. 21.
Feeder: *See*—
Fuel feeder.
Fertilizer manufacture. J. L. Brill. 2,102,830–1; Dec. 21.
Fibers or threads from animal collagen iron proof, Rendering. G. Lange. 2,103,163; Dec. 21.
File. S. Scheinman. 2,102,820; Dec. 21.
Film, Driving and guiding. H. J. Hasbrouck, Jr. 2,102,895; Dec. 21.
Film handling apparatus. L. T. Sachtleben. 2,103,042; Dec. 21.
Filtration. P. W. Bielfeldt. 2,102,780; Dec. 21.
Fireplace air blasting. O. C. Nilson. 2,103,171; Dec. 21.
Fitting for glass globes, Metal. E. H. Schwab. 2,102,922; Dec. 21.
Flatiron, Electric. M. F. Fitzgerald. 2,102,892; Dec. 21.
Float, Fishing. M. F. Nelson. 2,103,222; Dec. 21.
Flow control and relief valve, Combined. H. F. Vickers. 2,102,865; Dec. 21.
Flowerpot holder. A. J. Van Enkevoort. 2,103,127; Dec. 21.
Fluid, Hydraulic. D. V. Moses. 2,102,638; Dec. 21.
Fluid pressure responsive device. J. R. Cotlin. 2,103,214; Dec. 21.
Fluids, Heating of. M. W. Barnes. 2,102,876; Dec. 21.
Fluids, Hyradulic. J. C. Woodhouse and A. G. Weber. 2,102,825; Dec. 21.
Food products and the like, Packing. S. H. Berch. 2,102,716; Dec. 21.
Form clamping device, Metal. W. A. Jennings. 2, 102,717; Dec. 21.
Frankfurter holder. N. C. Rhew. 2,102,818; Dec. 21.
Fruit dividing mechanism for fruit preparation machines. A. R. Thompson and W. de Back. 2,102,765; Dec. 21.
Fuel burning apparatus. E. V. Francis. 2,102,588; Dec. 21.
Fuel burning apparatus, Liquid. N. H. Sutterfield. 2,102,763; Dec. 21.
Fuel feeder. E. V. Francis. 2,102,619; Dec. 21.
Fuel injection, Device for automatically regulating the amount of. S. Sugihara. 2,103,126; Dec. 21.
Fuel, Method of and apparatus for gasifying a liquid. C. A. Killmeyer and G. L. Reichheim. 2,102,800; Dec. 21.
Fuel to furnaces, Automatic system for supplying pulverized. E. V. Francis. 2,102,618; Dec. 21.
Fuel to furnaces, Mechanism for supplying pulverized. E. V. Francis. 2,102,948; Dec. 21.
Furnace: *See*—
Combination furnace.
Fuse link. E. F. Boothe. 2,102,882; Dec. 21.
Fuse link stick. C. A. Fox. 2,102,894; Dec. 21.
Fuse, Mechanical time. P. Girard. 2,102,950; Dec. 21.
Fuselage construction. F. R. Weymouth. 2,102,817; Dec. 21.
Game. R. P. Dietrich. 2,103,151; Dec. 21.
Game. G. W. Perks. 2,102,807; Dec. 21.
Game, Amusement. E. P. Stein, F. D. Thornton, and R. Morris. 2,103,191–2; Dec. 21.
Game apparatus. J. Morrison. 2,103,167; Dec. 21.
Game apparatus. H. B. Stoner and K. Knickerbocker. 2,102,860; Dec. 21.
Garbage can. G. W. Rienks and E. T. Guilford. 2,102,914; Dec. 21.
Garment. S. W. Kunstadter. 2,102,801; Dec. 21.
Garment, Animal. M. De Mar. 2,103,109; Dec. 21.
Garment pressing machine. T. Yosyk. 2,102,663; Dec. 21.
Gas and air trap. J. C. Blumer. 2,103,057; Dec. 21.
Gas, Detecting small quantities of. A. Schröter. 2,103,187; Dec. 21.
Gas, Making. H. E. Rider. 2,103,182; Dec. 21.
Gases, Apparatus for the transportation of compressed or liquefied. J. W. Dunham. 2,102,686; Dec. 21.
Gases, Detecting chemically reactive. F. K. G. Bangert. 2,103,136; Dec. 21.
Gases, Treatment of hydrcarbon. H. Tropsch. 2,102,927; Dec. 21.
Gaseous discharge lamp, Electric. L. J. Davies. 2,103,029; Dec. 21.
Gaseous discharge device, Electric. T. E. Foulke. 2,103,031; Dec. 21.
Gaseous discharge tube. A. Senauke. 2,103,022; Dec. 21.
Gasket. M. J. Brown. 2,102,673; Dec. 21.
Gauge for printing presses, Feed. E. Payne. 2,102,910; Dec. 21.
Gear: *See*—
Differential gear.
Electrical switch gear.
Gears, Producing. E. Wildhaber. 2,102,659; Dec. 21.
Gearing mechanism and automatic fluid control therefor, Selective. E. D. Bieretz. 2,102,781; Dec. 21.
Generator: *See*—
Welding generator.
Generator of electric relaxation oscillations. E. Hackenberg. 2,102,951; Dec. 21.
Golf tee. R. M. Van Valkenburg. 2,103,026; Dec. 21.
Grease and its production, Lubricating. D. A. Lister. 2,103,204; Dec. 21.
Grinding wheel, Segmental. S. Rusoff. 2,102,919; Dec. 21.
Guard, Grille. A. V. Weasler and A. C. Meyer. 2,102,815; Dec. 21.
Guide, Universal brake shoe grinder. L. C. Rishel. 2,102,915; Dec. 21.
Guide, Window glass. D. C. Bailey. 2,102,936; Dec. 21.
Gun choke, Adjustable. E. F. White. 2,102,931; Dec. 21.
Gun sight. S. D. Shepard. 2,103,189; Dec. 21.
Gut produced from animal fibrous material, Hardening waterproofing artificial. O. W. Becker and E. Weiss, 2,103,138; Dec. 21.
Hacksaw. G. J. Blum. 2,102,782; Dec. 21.
Hair, Device for holding and curling. A. E. Farrell. 2,102,687; Dec. 21.
Hair waving pad. E. G. McDonough. 2,102,803; Dec. 21.
Halogen derivatives of n-amyl cresols. G. W. Raizss and L. W. Clemence. 2,102,854; Dec. 21.
Halter. L. von Ledermann. 2,102,770; Dec. 21.
Handle construction. A. J. Dohrman. 2,102,839; Dec. 21.
Harvester, H. D. Hume and J. E. Love. 2,102,710; Dec. 21.
Harvester reel. H. D. Hume and J. E. Love. 2,102,709; Dec. 21.
Harvesting machine. H. D. Hume and J. E. Love. 2,102,711; Dec. 21.
Headlight, Nonglare. J. A. Von Wald. 2,103,208; Dec. 21.
Heat exchanger. R. S. Thoresen. 2,103,102; Dec. 21.
Heater: *See*—
Air heater.
Windshield heater.
Heating system. J. H. Maher. 2,102,727; Dec. 21.
Holder: *See*—
Article holder.
Pin and bolt holder.
Flowerpot holder.
Salesbook holder.
Frankfurter holder.
Holder for razor blades. P. L. Bush. 2,102,675; Dec. 21.
Housing, Rolling mill. J. Remmen. 2,102,809; Dec. 21.
Hydrocarbons, Treatment of. G. L. Eaton. 2,102,947; Dec. 21.
Illuminating device. V. F. Taylor. 2,102,764; Dec. 21.
Illuminating device. H. D. Van Leunen. 2,102,928; Dec. 21.
Immersing and drying machine. F. M. Ronel. 2,102,819; Dec. 21.
Insecticide. H. A. Jones. 2,103,195; Dec. 21.
Insert for rubber heels or the like. L. A. Laursen. 2,102,901; Dec. 21.
Interior finishing structure and fastener. R. H. Myers and L. Sandoz. 2,103,168; Dec. 21.
Internal combustion engine. P. Dugelay. 2,102,946; Dec. 21.
Internal combustion engine. C. R. Paton. 2,102,909; Dec. 21.
Internal combustion engine. T. N. Smith. 2,103,024; Dec. 21.
Internal combustion engine. S. J. Waters. 2,103,103; Dec. 21.
Internal combustion engine. A. R. Wurtele. 2,102,662; Dec. 21.
Iron, Electric rotary laundry. A. F. Yoerg. 2,102,871; Dec. 21.
Ironing machine. H. C. Bowen. 2,103,141; Dec. 21.
Jack: *See*—
Dental jack.
Jack attachment for motor vehicles. A. Pearlman. 2,103,117; Dec. 21.
Jar. B. L. Shannon. 2,102,754; Dec. 21.
Joint: *See*—
Universal joint.
Kerf-cutting machine. T. E. Pray. 2,102,743; Dec. 21.
Keyboard balance. C. A. Becker and W. C. Seyter. 2,102,938; Dec. 21.
Laminated spring. H. Stark. 2,103,122; Dec. 21.
Laminated springs. T. H. Sanders. 2,102,750; Dec. 21.
Lamp: *See*—
Concealable spot lamp.
Electric lamp.
Electric discharge lamp.
Surgical lamp.
Lamp device, Gaseous electric arc discharge. K. Moers. 2,103,038; Dec. 21.
Lamp device, Gaseous electric discharge. H. Alterthum and A. Lompe. 2,103,027; Dec. 21.
Lamp device, Gaseous electric discharge. M. J. Druyvesteyn. 2,103,227; Dec. 21.
Lamp device, Gaseous electric discharge. M. J. Druyvesteyn, W. Uyterhoeven, C. Bol, and M. van Dam. 2,103,226; Dec. 21.
Lamp device, Gaseous electric discharge. O. Fritze, A. Ruttenauer and K. Wiegand. 2,103,032; Dec. 21.
Lamp device, Gaseous electric discharge. G. Gaidies. 2,103,073; Dec. 21.
Lamp device, Gaseous electric discharge. H. Krefft. 2,103,081; Dec. 21.
Lamp device, Gaseous electric discharge. R. Rompe and W. Thouret. 2,103,041; Dec. 21.
Lamp device, Gaseous electric discharge. A. Ruttenauer. 2,103,093; Dec. 21.
Lamp device, Gaseous electric discharge. W. Uyterhoeven and C. Verburg. 2,103,046; Dec. 21.
Lamp device, Gaseous electric discharge. K. Weldhaas. 2,103,048; Dec. 21.

Lamp device, Gaseous electric discharge. K. Wiegand. 2,103,052; Dec. 21.
Leather processing. G. M. Argabrite. 2,102,667; Dec. 21.
Leg adjuster. C. H. Green. 2,103,202; Dec. 21.
Leveling and squaring device. C. Roggero. 2,103,184; Dec. 21.
Ligature treating apparatus. A. L. Waugh. 2,102,868; Dec. 21.
Lighting equipment for passenger vehicles. L. C. Doane. 2,102,944; Dec. 21.
Lighting fixture. R. Wendel. 2,102,816; Dec. 21.
Liner for bearings. E. R. Darby and P. J. Potter. 2,102,998; Dec. 21.
Lip laying device. G. A. Miner. 2,102,731; Dec. 21.
Liquid level indicating valve. E. H. Bickley. 2,103,055; Dec. 21.
Liquid measuring device. J. J. Cubete. 2,102,615; Dec. 21.
Liquid products, Apparatus for handling. J. C. Hester. 2,102,844; Dec. 21.
Liquids, Vaporizing and spraying thick. H. H. Schmidt. 2,102,650; Dec. 21.
Liquor for artificial silks, Spinning. S. Yamamoto. 2,102,933. Dec. 21.
Lock: *See*—
Tank cap lock.
Locking device for automobile and the like, Door. E. D. Dall. 2,102,997; Dec. 21.
Locomotive. R. M. Ostermann and A. Williams. 2,102,806; Dec. 21.
Locomotive, Articulated. H. K. Patjens. 2,103,172; Dec. 21.
Loop taker, Rotary. R. K. Hohmann. 2,102,954; Dec. 21.
Loudspeaker, Piezoelectric. S. Ballantine. 2,102,668; Dec. 21.
Lubricated twister ring. H. B. Stuart. 2,102,861; Dec. 21.
Lubricating device. O. B. Clark. 2,103,063; Dec. 21.
Lubricating device. H. R. Tear. 2,103,044; Dec. 21.
Lubricating device for driving chains. V. A. Kjaer. 2,103,161; Dec. 21.
Lubricator: *See*—
Rail lubricator.
Machine for applying adhesive. G. W. von Hofe. 2,102,984; Dec. 21.
Machine for applying transfers. J. L. Peterson. 2,102,970; Dec. 21.
Machine for forming valve bags. J. N. Tooker. 2,102,767; Dec. 21.
Machine for operating on sheet material. E. E. Winkley. 2,102,660; Dec. 21.
Machine tool. L. C. Cole. 2,102,613; Dec. 21.
Machine tool. L. C. Cole. 2,103,147; Dec. 21.
Machine tool. M. L. Strawn. 2,102,655; Dec. 21.
Magnetic thread cleaner. N. Stoddard. 2,103,125; Dec. 21.
Mail box. H. S. Gilman. 2,102,620; Dec. 21.
Map in book form. N. P. Bergquist. 2,103,139; Dec. 21.
Maps, Method and apparatus for making. C. W. Collier. 2,102,612; Dec. 21.
Mat concentrator, Traveling. J. T. Shimmin. 2,102,652; Dec. 21.
Material for arc welding. L. E. Faulkner. 2,102,891; Dec. 21.
Material, Making ornamented plastic. W. F. Roberts. 2,102,747; Dec. 21.
Material treating apparatus. R. E. Briggs. 2,102,990; Dec. 21.
Material working apparatus. R. C. Kivley. 2,102,721; Dec. 21.
Materials and products therefrom, Producing linen-like. J. Killars, Jr. 2,103,080; Dec. 21.
Materials, Method and apparatus for treating. D. S. Baker. 2,102,607; Dec. 21.
Materials of different densities, Apparatus for dry separation of. F. J. Berry. 2,102,880; Dec. 21.
Measuring device, particularly for machines for testing materials. S. J. Amsler. 2,102,872; Dec. 21.
Metal coloring. C. N. Sprankle and E. J. Golec. 2,102,925; Dec. 21.
Metallic and other substances in textile or fibrous material, Detecting. T. Merchant. 2,102,906; Dec. 21.
Meter. W. L. Herron. 2,103,077; Dec. 21.
Milk products, Treatment of. H. E. Otting, E. H. Browne, and M. E. Hull. 2,102,642; Dec. 21.
Mixing valve. R. A. J. Evans. 2,103,067; Dec. 21.
Molded handled receptacle. G. L. Smith. 2,102,653; Dec. 21.
Mollusks, Shelling. J. H. Doxsee, Jr., and W. H. Cook. 2,102,945; Dec. 21.
Motor: *See*—
Rotary motor.
Synchronous induction motor.
Motor control system. W. R. Perry. 2,102,911; Dec. 21.
Mounting, Door handle. G. V. Jakeway. 2,102,714; Dec. 21.
Mounting, Gun barrel. S. G. Green. 2,102,622; Dec. 21.
Mounting, Window stop strip. H. W. Lane. 2,103,162; Dec. 21.
Nails to a metal body, Apparatus for welding. W. T. Ober. 2,103,206; Dec. 21.
Navigator, Solar. L. T. Eliel. 2,102,587; Dec. 21.
Necktie, Four-in-hand. A. Scharlin. 2,103,094; Dec. 21.
Needle, Flexible knitting. L. M. Miller. 2,102,600; Dec. 21.
Nitrocelluiose and to the product thereof, Dehydration of. W. E. Gloor. 2,102,697; Dec. 21.
Noncorrodible object and producing same. F. P. Romanoff. 2,103,119; Dec. 21.
Nozzle, Vented. F. D. Campbell. 2,102,786; Dec. 21.
Odometer reset. W. E. Sherwood. 2,103,023; Dec. 21.
Oil can, Pistol grip. E. W. Davis. 2,102,837; Dec. 21.
Oil refining process. J. Happel and D. W. Robertson. 2,102,796; Dec. 21.
Oil, Treatment of hydrocarbon. C. P. Dubbs. 2,102,889; Dec. 21.
Oils, Dewaxing hydrocarbon. P. D. Barton and D. B. Banks. 2,102,828; Dec. 21.
Oils, Recovery of the unsaponifiable fractions of. R. P. Nichols. 2,103,193; Dec. 21.
Oils, Treatment of hydrocarbon. W. L. Benedict. 2,102,878; Dec. 21.
Orchard heating system. T. W. Bose. 2,102,989; Dec. 21.
Ore bodies to extract sulphur and iron therefroin, Unlocking. H. C. Wolf. 2,103,131; Dec. 21.
Ores, Apparatus for treating. E. J. Mullen. 2,103,088; Dec. 21.
Ornamentation. A. F. Reilly. 2,102,746; Dec. 21.
Oscillations of vehicles, in particular rail vehicles, Damping the. O. Mylius. 2,102,907; Dec. 21.
Outlet for air circulating systems. H. F. Curtis. 2,102,681; Dec. 21.
Overshoe, Golf. G. E. Murber. 2,102,604; Dec. 21.
Oven, Coking retort. J. Becker. 2,102,608–9; Dec. 21.
Oxidation catalysts and process. L. G. Jenness. 2,103,221; Dec. 21.
Oxidation, Controlled. L. G. Jenness. 2,103,220; Dec. 21.
Oxidation products, Manufacture of partial. G. W. Talbert and J. D. Kerr. 2,102,863; Dec. 21.
Package. A. M. Hall. 2,102,702; Dec. 21.
Package and package handling means for airplanes. K. Arndt. 2,102,604; Dec. 21.
Package for plastic materials. E. B. Ekdahl. 2,103,111; Dec. 21.
Packing machine. A. Novotny. 2,102,640; Dec. 21.
Package sealing apparatus. W. P. White. 2,103,051; Dec. 21.
Pad: *See*—
Abrasive pad.
Hair waving pad.
Panel, Distribution. W. H. Frank. 2,103,072; Dec. 21.
Paneling. H. D. Randall. 2,103,177; Dec. 21.
Paper cut-off and feeding mechanism. M. Garbell. 2,102,694; Dec. 21.
Percussion apparatus. G. Pinazza. 2,102,603; Dec. 21.
Photoelectric tube. G. R. Stilwell. 2,102,760; Dec. 21.
Photophonographic apparatus. J. O. Baker and C. N. Batsell. 2,102,777; Dec. 21.
Photophonographic apparatus. H. J. Hasbrouck. 2,102,778; Dec. 21.
Piano. A. A. Huseby. 2,102,898; Dec. 21.
Picture, Disk film motion. J. J. Dilks, Jr. 2,102,788; Dec. 21.
Pigment and manufacturing and using it, Lustrous. H. Hunsdiecker. 2,103,007; Dec. 21.
Pin and bolt holder. M. T. Tipsord. 2,102,926; Dec. 21.
Pinwheel feed. J. Q. Sherman and H. G. Dybvig. 2,102,651; Dec. 21.
Pipe and making the same. C. S. Patton. 2,102,969; Dec. 21.
Pipe coating apparatus. A. G. Perkins. 2,102,738; Dec. 21.
Pipes, Manufacture of concrete. M. Overvad. 2,102,968; Dec. 21.
Piston construction. W. Wuerfel. 2,102,661; Dec. 21.
Piston rod protector. T. K. Helmer. 2,102,797; Dec. 21.
Planter, Corn. C. R. White. 2,103,129; Dec. 21.
Plasters, Calcium sulphate. J. S. Dunn and V. Lefebure. 2,103,216; Dec. 21.
Pneumatic valve. L. C. Broecker and J. Ferguson. 2,103,108; Dec. 21.
Polishing wheel. F. G. Cyrex. 2,102,836; Dec. 21.
Portfolio. O. W. Jolly. 2,103,203; Dec. 21.
Pottery ware, Apparatus for manufacturing. W. J. Miller. 2,103,086; Dec. 21.
Power supply system for signal receivers. B. Singer. 2,103,097; Dec. 21.
Power transmission mechanism. H. Sinclair. 2,102,755; Dec. 21.
Power transmitting apparatus and control means therefor. G. B. Bailey. 2,102,606; Dec. 21.
Preparation for treating plants. E. P. Naus. 2,102,734; Dec. 21.
Press. R. W. Glasner. 2,102,842; Dec. 21.
Press for molding shaped articles. A. M. Cook. 2,103,215; Dec. 21.
Printing, Method of and apparatus for planographic. H. C. Osborn. 2,102,641; Dec. 21.
Printing on articles of irregular shape, Multicolor. R. P. Piperoux. 2,102,808; Dec. 21.

Printing telegraph system and apparatus. E. E. Kleinschmidt. 2,102,899; Dec. 21.
Projectile. W. B. Foulke. 2,103,155; Dec. 21.
Prolamine base composition, Water-resistant. D. W. Hansen. 2,102,623; Dec. 21.
Proportioning device, Automatic. D. Brown. 2,102,584; Dec. 21.
Protector: *See*—
Piston rod protector.
Protector and lock, Combination door. G. G. McDonald. 2,102,729; Dec. 21.
Pulping machine. H. R. Lewis. 2,102,961; Dec. 21.
Pump. H. Allen. 2,102,665; Dec. 21.
Pump thrust bearing, Water. D. Sherwood. 2,103,096; Dec. 21.
Rack: *See*—
Display rack.
Radiator. F. M. Young. 2,103,105; Dec. 21.
Radiator inclosure. A. D. Mellor. 2,102,599; Dec. 21.
Radio receiver. E. F. Andrews. 2,103,135; Dec. 21.
Radio receiving system for aeroplanes. S. J. Levy. 2,102,904; Dec. 21.
Rail lubricator, Elevator guide. J. J. Walsh. 2,102,814; Dec. 21.
Receptacle: *See*—
Molded handled receptacle.
Receptacle, connecter, and cap, Interlocking. H. Hubbell, Jr. 2,102,625; Dec. 21.
Recorder: *See*—
Workman's time recorder.
Rectifier. J. G. Jackson and S. M. Hanley. 2,102,713; Dec. 21.
Reel: *See*—
Harvester reel.
Refrigerating apparatus. R. E. Gould. 2,102,698; Dec. 21.
Refrigerating apparatus. L. A. Philipp. 2,102,740; Dec. 21.
Refrigerating apparatus. O. M. Summers. 2,102,762; Dec. 21.
Register, Fare. S. Madsen. 2,103,084; Dec. 21.
Regulating apparatus. J. C. Hornung. 2,103,113; Dec. 21.
Regulator: *See*—
Draft regulator.
Rescue apparatus. J. W. Justus. 2,102,626; Dec. 21.
Resins, Synthetic. J. D. Farber. 2,102,617; Dec. 21.
Resistance bodies, Manufacture of. T. J. Radcliffe. 2,103,040; Dec. 21.
Resorcinol with iodine, Combining. G. Romanelli. 2,102,918; Dec. 21.
Ribbon feeding mechanism. H. H. Gwynne. 2,102,843; Dec. 21.
Ring: *See*—
Lubricated twister ring.
Rod: *See*—
Sewer rod. Welding rod.
Rod hanger and tubing rack, Combined. P. H. Nash. 2,102,966; Dec. 21.
Roller: *See*—
Snapping roller.
Rosin sampler. L. T. Baker. 2,102,875; Dec. 21.
Rotary motor. E. L. Rice. 2,103,180; Dec. 21.
Rotatable display stand, Illuminated. F. C. Taylor. 2,102,982; Dec. 21.
Roughing head. W. C. Card, Jr. 2,102,992; Dec. 21.
Rubber bands, Producing. A. T. Fischer. 2,102,689; Dec. 21.
Rubber coating composition, Chlorinated. J. M. Schantz. 2,103,186; Dec. 21.
Rubber, Treating vulcanized. F. N. Pickett. 2,102,741; Dec. 21.
Rug, Fringed. C. F. Arnold. 2,102,934; Dec. 21.
Safety device for locks. H. Alberg. 2,102,583; Dec. 21.
Salesbook holder. G. F. Christenson. 2,102,787; Dec. 21.
Sash attachment, Reversible. W. E. Peters. 2,103,015; Dec. 21.
Scalp, Apparatus for loosening the scalp. J. Wadel. 2,102,955; Dec. 21.
Screen for use in optical systems employing polarized light, Viewing. E. H. Land. 2,102,632; Dec. 21.
Seal, Bottle. P. W. De Vore. 2,103,150; Dec. 21.
Seal, Breathing. J. W. White. 2,102,824; Dec. 21.
Seat: *See*—
Vehicle safety seat.
Separable fastener. D. Marinsky. 2,103,037; Dec. 21.
Separator. E. Henderson and J. B. Reddick. 2,102,705; Dec. 21.
Service observing system. H. W. Ulrich. 2,102,769; Dec. 21.
Sewage disposal apparatus. R. E. Briggs. 2,102,991; Dec. 21.
Sewer rod. S. V. Rolland. 2,102,917; Dec. 21.
Shield for electrical welders, Protective. M. Helfenstein and F. M. Hirsig. 2,103,006; Dec. 21.
Shingle, N. P., and K. M. Harshberger. 2,103,076; Dec. 21.
Shoe last construction. G. C. Clark. 2,103,062; Dec. 21.
Shoe, Pile. W. C. Schmitt. 2,102,921; Dec. 21.
Shuttle box construction for looms. B. W. Brouwer. 2,102,832; Dec. 21.
Sight, Gun. H. E. Campbell. 2,102,677; Dec. 21.
Sign. B. Phillips. 2,102,972; Dec. 21.
Signal: *See*—
Tire deflation signal. Visible signal.
Signal distortion indicating and measuring device. F. S. Kinkead. 2,102,719; Dec. 21.
Signal testing apparatus. L. W. Howle. 2,102,708; Dec. 21.
Signaling apparatus. F. B. Ma Gee. 2,102,905; Dec. 21.
Signaling, Railway. G. R. Pflasterer. 2,103,016; Dec. 21.
Siphon-breaking means for liquid metering systems. A. J. Saarinen. 2,103,020; Dec. 21.
Skates, Ice. M. J. Rochford. 2,102,916; Dec. 21.
Skylight construction. G. H. Lemke. 2,102,902; Dec. 21.
Slider for separable fasteners. D. Marinsky. 2,103,036; Dec. 21.
Slippers, sandals, and footwear, Manufacture of rubber-soled. B. Jaumandreu. 2,103,157; Dec. 21.
Snap action mechanism for operating electric switches. T. G. Richmond. 2,103,181; Dec. 21.
Snapping roller. J. R. Faber. 2,103,002; Dec. 21.
Snelled hook case. W. J. DeWitt and P. A. Ross. 2,102,682; Dec. 21.
Soap beads or the like, Making. V. R. Kokatnur. 2,102,849; Dec. 21.
Soda-spreading machine. A. E. Claudel. 2,102,993–4; Dec. 21.
Sofa bedstead. A. T. Pison. 2,103,173; Dec. 21.
Soles, Apparatus for use in pressing. S. J. Finn. 2,102,688; Dec. 21.
Solutions of anesthetic substances and preparing them, Stable aqueous. A. Kircher and M. Sienz. 2,103,160; Dec. 21.
Sound producing apparatus, Remote controlled. A. D. Brixey. 2,102,672; Dec. 21.
Sound recording apparatus. J. O. Baker. 2,102,776; Dec. 21.
Sounds of a musical character, Apparatus for producing. A. H. Midgley. 2,103,169; Dec. 21.
Spray, Insecticidal oil. H. Knight. 2,103,196; Dec. 21.
Staples, Making. H. D. Randall. 2,103,176; Dec. 21.
Spring cover. W. F. Eisenhauer. 2,102,890; Dec. 21.
Stand: *See*—
Rotatable display stand.
Steam box. W. H. Cook. 2,102,943; Dec. 21.
Steam heating system and supplying steam to the radiators thereof. F. I. Raymond. 2,103,178; Dec. 21.
Stoker conveyer. H. P. Anderson. 2,103,209; Dec. 21.
Stoker, Locomotive. J. W. Myers. 2,103,210; Dec. 21.
Stoker, Locomotive. C. J. Surdykowski, now by change of name C. J. Surdy. 2,103,211; Dec. 21.
Stoker, Locomotive. E. A. Turner. 2,103,045; Dec. 21.
Stool, Milking. C. A. Loveland. 2,103,114; Dec. 21.
Store display. C. W. Kress. 2,102,960; Dec. 21.
Stove. C. Ehret. 2,102,616; Dec. 21.
Stove. P. M. Forster. 2,102,893; Dec. 21.
Stove top. S. Strano and R. E. Gehne. 2,103,100; Dec. 21.
Strap tensioning and sealing device. H. J. Spencer. 2,102,981; Dec. 21.
Spring cushion structure. W. Lesinski. 2,102,724; Dec. 21.
Strip, Composition. A. C. Fischer. 2,103,003; Dec. 21.
Stocking. M. M. Meyers. 2,102,730; Dec. 21.
Strand handling apparatus. E. E. Franz. 2,102,692; Dec. 21.
Strands, Method of and apparatus for handling. L. L. Weaver. 2,102,773; Dec. 21.
Strap connecting device, Sling. O. F. Mossberg. 2,102,964; Dec. 21.
Strut, Shock absorber. C. V. Johnson. 2,102,847; Dec. 21.
Suction cleaner. B. C. Becker. 2,103,054; Dec. 21.
Suction cleaner. C. L. Shank and C. W. Traut. 2,103,099; Dec. 21.
Suction cleaner. C. H. Taylor. 2,103,101; Dec. 21.
Suction cleaner. U. A. Whitaker. 2,103,049; Dec. 21.
Support for weft replenishing magazines. I. H. Verry. 2,102,864; Dec. 21.
Surgical instrument. V. M. Posada. 2,103,174; Dec. 21.
Surgical lamp, Portable. P. A. Nirdlinger. 2,103,013; Dec. 21.
Switching and supporting device for electrical apparatus. W. P. Lear. 2,103,035; Dec. 21.
Synchronous inductor motor, Self starting. F. W. Merrill. 2,103,165; Dec. 21.
Syringe cartridge. G. N. Hein. 2,102,704; Dec. 21.
Syringe, Dental. H. Hagemeier. 2,102,591; Dec. 21.
Table: *See*—
Bridge table.
Tabulating machines, Sensing mechanism for. L. F. Wilkinson. 2,102,932; Dec. 21.
Tank cap lock, Automobile gas. H. C. Woodhead. 2,102,775; Dec. 21.
Tanning. A. J. Green. 2,102,699; Dec. 21.
Teeth cleaning and gum massaging device. F. I. Lynch. 2,103,083; Dec. 21.
Telegraph system. G. S. Vernam and F. G. Halliden. 2,102,983; Dec. 21.
Telephone exchange, Loud-speaking and amplified microphone. E. Leveque. 2,102,903; Dec. 21.
Telephone system, Automatic. A. Heyduck. 2,102,953; Dec. 21.
Temperature control of reaction vessels. T. B. Prickett. 2,102,644; Dec. 21.

Temperature measuring installation. P. M. Hulme. 2,102,955; Dec. 21.
Tension let-off mechanism, Constant. C. D. Brown. 2,103,200; Dec. 21.
Testing device. A. M. Rennau. 2,103,179; Dec. 21.
Textiles containing cellulose, Enhancing the stability to water of effects produced mechanically on. A. Ruperti. 2,103,018; Dec. 21.
Theater. L. P. Josserand. 2,102,718; Dec. 21.
Theft-preventing device for plants. C. J. Rocquin. 2,102,748; Dec. 21.
Therapeutic apparatus. H. B. Drollinger. 2,102,790; Dec. 21.
Therapeutic preparation and making it. E. A. Greenspon. 2,103,075; Dec. 21.
Thermometer for use particularly in brooding of chicks, Sealed tamperproof maximum and minimum. M. A. Campbell. 2,102,678; Dec. 21.
Thermoplastic compositions containing rubber and the like, Making. E. R. Dillehay. 2,102,838; Dec. 21.
Thermostatic device. S. P. Vaughn. 2,102,656; Dec. 21.
Thread package. J. Cryan. 2,102,996; Dec. 21.
Tie, Stud. R. B. Clark. 2,103,064; Dec. 21.
Tire deflation signal. J. V. McMahon. 2,103,011; Dec. 21.
Tire, Making a wear indicating. K. L. Bridges. 2,102,784; Dec. 21.
Toaster with interchangeable grids, Sandwich. B. A. Benson. 2,102,879; Dec. 21.
Tool: *See*—
Bolt-setting tool. Machine tool.
Combination tool. Valve-seat surfacing tool.
Cleaning tool.
Tool. H. Ratcliffe. 2,102,744; Dec. 21.
Tool for air-method cleaners, Double brush type floor. D. B. Replogle. 2,102,645; Dec. 21.
Tool for suction cleaners, Dusting. H. B. White. 2,103,050; Dec. 21.
Torch, Highway. M. J. Gilmore. 2,102,696; Dec. 21.
Tractor hitch device. J. H. Kortering. 2,102,722; Dec. 21.
Traffic controlling apparatus, Railway. E. M. Allen. 2,102,988; Dec. 21.
Transfer. W. S. Lawrence. 2,103,082; Dec. 21.
Transmission, Automatic. C. P. Hopson. 2,102,624; Dec. 21.
Transmission, Variable speed power. A. Lysholm, F. Horney, and G. Wahlsten. 2,102,634–5; Dec. 21.
Trap: *See*—
Gas and air trap.
Trap for fish lifts, Fish. L. E. Knerr. 2,102,629; Dec. 21.
Traveling bag. F. J. Sullivan. 2,103,207; Dec. 21.
Truck, Refuse. J. Goodman. 2,103,112; Dec. 21.
Truck, Wheel. W. Y. Brown. 2,102,674; Dec. 21.
Tube: *See*—
Gaseous discharge tube. Photoelectric tube.
Tubes, Closing and sealing of collapsible. P. R. Fechheimer. 2,102,840; Dec. 21.
Universal joint. E. R. Koppel. 2,102,850; Dec. 21.
Universal joint. F. Porsche. 2,102,973; Dec. 21.
Vacuum breaking device. E. J. Kocour. 2,102,848; Dec. 21.
Vacuum cleaner. E. Faber. 2,103,154; Dec. 21.
Vacuum valve. G. A. Petroe. 2,103,118; Dec. 21.
Valve: *See*—
Flow control and relief valve. Mixing valve.
Pneumatic valve.
Liquid level indicating valve. Vacuum valve.
Valve. I. H. Russell. 2,102,856; Dec. 21.
Valve bags, Forming. J. N. Tooker. 2,102,766; Dec. 21.
Valve-closed bag. A. Du Bois. 2,102,685; Dec. 21.
Valve mechanism. F. H. Schoenfeld. 2,102,752; Dec. 21.
Valve-seat surfacing tool. M. Holhut. 2,102,707; Dec. 21.
Valve starting system, Electric. M. Hürlimann. 2,102,956; Dec. 21.
Vase. A. R. Thomas. 2,102,924; Dec. 21.
Vault and forming it, Seamless grave. J. H. Handley. 2,103,005; Dec. 21.
Vehicle, Refuse collecting. J. C. Walter. 2,103,128; Dec. 21.
Vehicle safety seat, Motor. H. M. Smith. 2,102,979; Dec. 21.
Vehicle wheel. C. L. Eksergian. 2,103,201; Dec. 21.
Vehicle wheel. C. W. Sinclair. 2,102,811; Dec. 21.
Vertical drier. C. A. Dickhaut and S. W. Warner. 2,103,110; Dec. 21.
Vibrations, Producing and distinguishing frequency. H. H. Couch. 2,102,614; Dec. 21.
Vibratory apparatus. H. E. Wurzbach and C. H. Konold. 2,102,826; Dec. 21.
Vise. S. T. Nash. 2,102,602; Dec. 21.
Visible signal. T. W. Rolph. 2,102,975; Dec. 21.
Vulcanization, Accelerator of. R. C. Goodwin and A. W. Sloan. 2,102,621; Dec. 21.
Wagon, Dump. W. C. Byington. 2,102,676; Dec. 21.
Wall connecter. J. F. Köhnke. 2,103,010; Dec. 21.
Water heating system. D. L. Buchanan. 2,102,940; Dec. 21.
Wave signaling system. J. K. Johnson. 2,103,079; Dec. 21.
Wave translation system. H. S. Black. 2,102,670–1; Dec. 21.
Web splicing device. W. C. George. 2,102,793; Dec. 21.
Welding generator. K. Strobel. 2,102,761; Dec. 21.
Welding rod. G. T. Southgate and J. G. Nicolson. 2,102,813; Dec. 21.
Welding rods, Method of and apparatus for making. G. T. Southgate and J. G. Nicolson. 2,102,812; Dec. 21.
Well Drilling apparatus, Rotary. I. Basgan. 2,103,137; Dec. 21.
Wheel: *See*—
Auxiliary wheel. Polishing wheel.
Grinding wheel. Vehicle wheel.
Wheel truing device. R. W. Fuller. 2,102,841; Dec. 21.
Wheels, Preventing Flat. G. A. Ferguson. 2,102,791; Dec. 21.
Window channel. A. Weisenburg. 2,102,658; Dec. 21.
Window control mechanism. J. H. Roethel. 2,103,223; Dec. 21.
Window glass channel lining. D. C. Bailey. 2,102,935; Dec. 21.
Window structure. V. M. Frey. 2,102,589; Dec. 21.
Windshield attachment. W. Mable. 2,102,597; Dec. 21.
Windshield heater. J. H. Cohen. 2,103,146; Dec. 21.
Wiper mechanism, Windshield. R. B. Evans, E. W. Dilg, and G. Germann. 2,103,001; Dec. 21.
Wire, Apparatus for manufacturing a coated insulated. T. Akahira. 2,103,134; Dec. 21.
Wire connecter, Frictional. J. Blackburn and J. A. Weaver, Jr. 2,102,881; Dec. 21.
Wire, thread or the like, Method and apparatus for unwinding. A. E. Blashill. 2,102,610; Dec. 21.
Woodworking machine. W. J. Schafer. 2,102,857; Dec. 21.
Workman's time recorder. E. G. Watkins. 2,102,771; Dec. 21.
Workpieces, Apparatus for testing magnetizable. E. Schweitzer and S. Klesskalt. 2,103,224; Dec. 21.
Wringer. G. E. Andre. 2,102,827; Dec. 21.
Xanthates of resin alcohols, Production of. W. T. Bishop. 2,103,140; Dec. 21.
Yarn and heat-resistant cord and making same, Heat-resistant. E. C. Gwaltney, L. A. Graybill, and R. B. Newton. 2,103,218; Dec. 21.
Yarns and fabrics, Manufacture of textile. C. Dreyfuss and W. Whitehead. 2,102,789; Dec. 21.
Zirconium oxide vitreous enamel opacifier. C. J. Kinzie. 2,102,627; Dec. 21.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 21, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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2,102,936
297— 8: 2,102,656
298— 35: 2,102,676
301— 6: 2,102,811
2,103,201
308— 187: 2,102,952
309— 12: 2,102,661
311— 99: 2,102,888
312— 30: 2,103,091

U. S. GOVERNMENT PRINTING OFFICE: 1937

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Addressograph-Multigraph Corporation, Euclid Village, Cleveland, Ohio. Planographic plates. Serial No. 399,543; Dec. 28. Class 50.

American Aniline Products, Inc., New York, N. Y. Dyestuffs. Serial No. 399,024; Dec. 28. Class 6.

Apple Growers Association, Hood River, Oreg. Fresh apples. 334,947; Dec. 28. Class 46.

Arfitz Products Corporation, New York, N. Y. Skin lotion, nail polish, and nail polish remover. Serial No. 398,882; Dec. 28. Class 6.

Atkins, Kroll & Co., San Francisco, Calif. Canned fruits and vegetables. Serial No. 399,493; Dec. 28. Class 46.

Auston, Virginia S., Los Angeles, Calif. Doll or similar article or marionette (or puppet) or similar article. Serial No. 391,734; Dec. 28. Class 22.

Bacmo Postman Corporation, New York, N. Y. Glove leather. Serial No. 399,122; Dec. 28. Class 1.

Bar-Je, Inc., Chicago, Ill. Cleansing, tissue, finishing, and hand creams. Serial No. 398,032; Dec. 28. Class 6.

Barrett Company, The, New York, N. Y. Germicides, fungicides, insecticides, etc. Serial No. 397,172; Dec. 28. Class 6.

Belle Knitting Corp., New York, N. Y. Children's underwear. Serial No. 398,419; Dec. 28. Class 39.

Bennet, Eve, New York, N. Y. Children's dresses. Serial No. 397,791; Dec. 28. Class 39.

Berger Hosiery Co. Inc., Philadelphia, Pa. Hosiery. Serial No. 398,887; Dec. 28. Class 39.

Big Buy Distributing Co. (See Paxton and Gallagher Co.)

Bloomingdale Bros., Inc., New York, N. Y. Window cleaning preparation. Serial No. 397,569; Dec. 28. Class 4.

Bond Shoe Co., Inc., New York, N. Y. Shoes. Serial No. 394,312; Dec. 28. Class 39.

Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Thermostat controls for automobile heaters. Serial No. 399,123; Dec. 28. Class 26.

Burkholder, Sam, Sedgwick, Kans. Ready mixed paint. Serial No. 398,347; Dec. 28. Class 16.

Burton-Marshall Corp., New York, N. Y. Cigarettes. Serial No. 391,374; Dec. 28. Class 17.

Celanese Corporation of America, New York, N. Y. Underwear and sport shirts. Serial No. 399,033; Dec. 28. Class 39.

Celanese Corporation of America, New York, N. Y. Underwear and sport shirts. Serial No. 399,072; Dec. 28. Class 39.

Celanese Corporation of America, New York, N. Y. Pajamas, underwear, and sport shirts. Serial No. 399,288; Dec. 28. Class 39.

Cemline Corporation, Cheswick, Pa. Hot water tanks and range boilers. Serial No. 397,644; Dec. 28. Class 34.

Central States Distributors, Inc., Chicago, Ill. Wine. Serial No. 398,709; Dec. 28. Class 47.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly. Serial Nos. 395,276–7; Dec. 28. Class 6.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly and preparation thereof, and pomade. Serial No. 395,278; Dec. 28. Class 6.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly. Serial No. 395,279; Dec. 28. Class 6.

Church Aid Society, Meadville, Pa. Furniture polish. Serial No. 399,268; Dec. 28. Class 16.

Cole Chemical Company, Wilmington, Del., and St. Louis, Mo. Pharmaceutical preparation. Serial No. 397,327; Dec. 28. Class 6.

Columbus Ice Cream Company, Columbus, Ohio. Ice cream in rolls, bricks, etc., and other frozen confections. Serial No. 384,352; Dec. 28. Class 46.

Cooney, John L., Erie, Pa. Stokers. Serial No. 393,066; Dec. 28. Class 34.

De Botelho, Martin, New York, N. Y. Toilet water and perfume. Serial No. 385,348; Dec. 28. Class 6.

Dexheimer & Becker Co., St. Louis, Mo. Gin. Serial No. 399,650; Dec. 28. Class 49.

Dexheimer & Becker Co., St. Louis, Mo. Whiskey. Serial No. 399,651; Dec. 28. Class 49.

Dick, A. B., Company, Chicago, Ill. Cement for mounting stencils and stencil sheets. Serial No. 398,761; Dec. 28. Class 5.

Dick, A. B., Company, Chicago, Ill. Interleavers for duplicating machines. Serial No. 399,037; Dec. 28. Class 23.

Dickerson, Walker T., Company, The, Columbus, Ohio. Shoes. Serial No. 398,717; Dec. 28. Class 39.

Dofflemyer, T. J., & Sons, Exeter, Calif. Fresh grapes. Serial No. 398,894; Dec. 28. Class 46.

Druggist Laboratories. (See Pickering, Wiley S.)

Electric Service Engineering Company, Chicago, Ill. Switchboards and equipment therefor. Serial No. 398,350; Dec. 28. Class 21.

Etournaud, Jph., & Co., Cognac, France. Cognac. Serial No. 395,858; Dec. 28. Class 49.

Exhumat Company, The. (See Tork, Alfred.)

Fairplay Knitting Mills. (See Stoumen, Bernard.)

Fashion Life, Inc., New York, N. Y. Millinery, clothing for women. Serial No. 396,656; Dec. 28. Class 39.

Fitzpatrick, W. J., Company, The, Chicago, Ill. Bread and soya bean flakes to be mixed with cereal flour for baking bread and other bakery products. Serial No. 395,342; Dec. 28. Class 46.

Flannery, Vaughn, Darlington, Md. Beef cattle. Serial No. 396,397; Dec. 28. Class 46.

Flower, M. L., & Co., Chicago, Ill. Color charts. Serial No. 398,844; Dec. 28. Class 38.

Franklin Simon & Co., Inc., New York, N. Y. Water softener. Serial No. 398,039; Dec. 28. Class 6.

Galler, Charles, Hoboken, N. J. Beverages, and sirups and extracts for making the same. Serial No. 399,407; Dec. 28. Class 46.

General Mills, Inc., Minneapolis, Minn. Glassware. Serial No. 397,334; Dec. 28. Class 33.

General Shoe Corporation, Nashville, Tenn. Boots and shoes. Serial No. 393,215; Dec. 28. Class 39.

Glassips Inc., Baltimore, Md. Drinking straws. Serial No. 398,897; Dec. 28. Class 50.

Gordon's Dry Gin Company Limited, Linden, N. J. Gin. Serial No. 399,233; Dec. 28. Class 49.

Grace Company, The, Kansas City, Mo. Infants' and children's dresses, aprons, frocks, etc. Serial No. 388,533; Dec. 28. Class 39.

H. & S. Novelties, Los Angeles, Calif. Novelty souvenirs. Serial No. 397,661; Dec. 28. Class 50.

Haugwitz, George, Brooklyn, N. Y. Liquid pharmaceutical preparation. Serial No. 396,774; Dec. 28. Class 6.

Healey, Seaver Company, Boston, Mass. Adhesives. Serial No. 399,891; Dec. 28. Class 5.

Health Research Foundation, Ann Arbor, Mich. Vitamin tablet. Serial No. 389,024; Dec. 28. Class 6.

Hercules Glue Company, San Francisco, Calif. Insecticidal compositions. Serial No. 393,217; Dec. 28. Class 6.

Hitchner Biscuit Co., The, West Pittston, Pa. Crackers. Serial No. 398,966; Dec. 28. Class 46.

Hudson Motor Car Company, Detroit, Mich. Passenger automobiles. Serial No. 398,107; Dec. 28. Class 19.

Inecto, Inc., New York, N. Y. Hair treating preparations. Serial No. 398,538; Dec. 28. Class 6.

Inter-Coastal Paint Corp., East St. Louis, Ill. Rubber cement. Serial No. 392,798; Dec. 28. Class 5.

Ivy-Done Products Company, Ithaca, N. Y. Preparation for the strengthening of manufactured silk goods. Serial No. 392,625; Dec. 28. Class 6.

Jantzen Knitting Mills, Portland, Oreg. Swimming suits. Serial No. 398,110; Dec. 28. Class 39.

Knapp Brothers, Inc., Boston, Mass. Shoes. Serial No. 388,839; Dec. 28. Class 39.

Knott, Wm. T., Company, Inc., New York, N. Y. Coats, hats, sweaters, etc. Serial No. 397,128; Dec. 28. Class 39.

Knott, Wm. T., Company, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 397,133; Dec. 28. Class 39.

Koch, Max, Inc., New York, N. Y. Fur coats. Serial No. 398,112; Dec. 28. Class 39.

Kontinental Kangaroo Company. (See Paden, Carter N.)

Kraig Products Company, The. (See Kunin, Samuel, & Sons, Inc.)

Kunin, Samuel, & Sons, Inc., doing business as The Kraig Products Company, Chicago, Ill. Chocolate flavored powder preparation for making food beverages. Serial No. 391,704; Dec. 28. Class 46.

La Compagnie Pharmaceutique Desbergers, Montreal, Quebec, Canada. Granular preparation. Serial No. 395,135; Dec. 28. Class 6.

Lahori, Rama S., Chicago, Ill. Herb compound tonic and laxative. Serial No. 398,908; Dec. 28. Class 6.

Latex Fiber Industries, Inc., Beaver Falls, N. Y. Sheet material for middle soles. Serial No. 398,475; Dec. 28. Class 50.

Leatherkraft, Inc., Minneapolis, Minn. Leather jackets of pony skin. Serial No. 398,729; Dec. 28. Class 39.

Lekas & Drivas, Inc., New York, N. Y. Wines. Serial No. 387,672; Dec. 28. Class 47.

Lekas & Drivas, Inc., New York, N. Y. Wines. Serial No. 388,010; Dec. 28. Class 47.

Levine, Ethel, New York, N. Y. Lace piece goods. Serial Nos. 398,996–7; Dec. 28. Class 42.

Lewis, J. A. M., doing business as Silverlite Products Company, Denver, Colo. Razor hone. Serial No. 397,977; Dec. 28. Class 4.

Life Savers Corporation, Port Chester, N. Y. Candy. Serial No. 398,436; Dec. 28. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Linograph Corporation, Davenport, Iowa. Machines for composing matrices, type-setting, type-casting, and line-casting, and parts thereof. Serial No. 398,361; Dec. 28. Class 23.

Little Rock Tent & Awning Company, Little Rock, Ark. Venetian blinds. Serial No. 397,161; Dec. 28. Class 32.

Macy, R. H., & Co., Inc., New York, N. Y. Cigars. Serial No. 399,192; Dec. 28. Class 17.

Mallinson Fabrics Corporation, New York, N. Y. Textile fabrics. Serial No. 397,478; Dec. 28. Class 42.

Manesty Machines Limited, Liverpool, England. Tablet making and coating machines and mixers, etc. for use in the manufacture of chemical and pharmaceutical products. Serial No. 396,541; Dec. 28. Class 23.

Marinello Corporation, New York, N. Y. Hair shampoo. Serial No. 395,582; Dec. 28. Class 6.

Maschinen- & Apparate-Bauanstalt Hans Langen, Munchen-Gladbach, Germany. Yarn wetting agents. Serial No. 397,219; Dec. 28. Class 6.

McCrory Stores Corporation, New York, N. Y. Writing paper, writing pads, and envelopes. Serial No. 397,338; Dec. 28. Class 37.

McNally, Andrew, Wilmar, Calif. Liniment. Serial No. 393,774; Dec. 28. Class 6.

Menasha Products Company, Menasha, Wis. Thermoplastic compositions comprising wax and rubber. Serial No. 398,364; Dec. 28. Class 6.

Merz, Friedrich, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Preparation used as a disinfectant, germicidal, etc. Serial No. 398,479; Dec. 28. Class 6.

Meyerowich, Charles A., Stapleton, N. Y. Beverages and sirups and extracts for making the same. Serial No. 399,420; Dec. 28. Class 45.

Milestone Distilling Company Incorporated, Louisville, Ky., and San Francisco, Calif. Whiskey. Serial No. 399,102; Dec. 28. Class 49.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Abrasive cloth, abrasive paper, abrasive belts, etc. Serial No. 389,648; Dec. 28. Class 4.

Minor, Harriet A., doing business as H. A. Minor, Jeddo, Pa. Deodorizer preparation for refrigerators. Serial No. 395,833; Dec. 28. Class 6.

Mirrer, Frank, Brooklyn, N. Y. Preparation for the treatment of athlete's foot. Serial No. 396,859; Dec. 28. Class 6.

Mission Fruit & Vegetable Co., Inc., Mission, Tex. Grapefruit. Serial No. 398,402; Dec. 28. Class 46.

Monogram Pictures Corporation, New York, N. Y. Motion picture films. Serial No. 398,417; Dec. 28. Class 26.

Morse Chain Co., Ithaca, N. Y., and Detroit, Mich. Coal stokers. Serial No. 398,972; Dec. 28. Class 34.

Moulton Ladder Manufacturing Co., Somerville, Mass. Ladders and ladder products. Serial No. 398,584; Dec. 28. Class 50.

Munsingwear, Inc., Minneapolis, Minn. Girdles, foundation garments, bandeaux, etc. Serial No. 398,782; Dec. 28. Class 39.

Myers Beverages, Inc., New York, N. Y. Beverages and sirups and extracts for making the same. Serial No. 399,421; Dec. 28. Class 45.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 394,797; Dec. 28. Class 38.

National Battery Company, St. Paul, Minn. Storage batteries. Serial No. 399,054; Dec. 28. Class 21.

National Cosmetics, Inc., Chicago, Ill. Cosmetic preparations. Serial No. 397,479; Dec. 28. Class 6.

National Pencil Company, Shelbyville, Tenn. Wood-cased lead pencils. Serial No. 399,055; Dec. 28. Class 37.

Nation Wide Papers, Inc., Chicago, Ill. Writing paper, printing paper, railroad manilla paper, etc. Serial No. 399,315; Dec. 28. Class 37.

Nation Wide Papers, Inc., Chicago, Ill. Writing and printing paper. Serial No. 399,316; Dec. 28. Class 37.

Nation Wide Papers, Inc., Chicago, Ill. Writing and printing paper. Serial Nos. 399,318–20; Dec. 28. Class 37.

Nation Wide Papers, Inc., Chicago, Ill. Writing paper, printing paper, and poster paper. Serial No. 399,321; Dec. 28. Class 37.

Pacific Trading Company, Inc., San Francisco, Calif. Rice. Serial No. 398,632; Dec. 28. Class 46.

Paden, Carter N., doing business as Kontinental Kangaroo Company, Atlanta, Ga. Table game. Serial No. 395,623; Dec. 28. Class 22.

Paramount Paper Tube Company, Fort Wayne, Ind. Paper tubing used in the manufacture of magnet coils etc. Serial No. 398,125; Dec. 28. Class 21.

Paxton and Gallagher Co., doing business as Big Buy Distributing Co., Omaha, Nebr. Canned fruits, canned vegetables, peanut butter, etc. Serial No. 392,232; Dec. 28. Class 46.

Peerless Co. Inc. (Pawtucket), The, Pawtucket, R. I. Hosiery, blouses, sweaters, etc. Serial Nos. 397,515–16; Dec. 28. Class 39.

Pejepscot Paper Company, Brunswick, Maine. Paper. Serial No. 398,736; Dec. 28. Class 37.

Peoria Steel & Wire Company, Peoria, Ill. Portable spreaders. Serial No. 398,215; Dec. 28. Class 23.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Weekly newspaper section. Serial No. 393,143; Dec. 28. Class 38.

Phillips, Ed., & Sons Company, Minneapolis, Minn. Whiskey. Serial No. 399,675; Dec. 28. Class 49.

Pickering, Wiley S., doing business as Druggist Laboratories, New Orleans, La. Milk of magnesia. Serial No. 397,484; Dec. 28. Class 6.

Pilopax Company, Hackensack, N. J. Medicinal preparation. Serial No. 398,406; Dec. 28. Class 6.

Portage Shoe Manufacturing Co. (See Weyenberg Shoe Manufacturing Company.)

Portland Fish Co., Portland, Maine. Fish. Serial No. 392,504; Dec. 28. Class 46.

Precision Meters Limited, London, England. Meters for measuring liquids. Serial No. 397,866; Dec. 28. Class 26.

Presto Electric Co., Inc., New York, N. Y. Electrically operated signals, specifically chimes. Serial No. 398,325; Dec. 28. Class 21.

Pretorius, Martin W., Burbank, Calif. Tea. Serial No. 387,677; Dec. 28. Class 46.

Rabinowitz, A., and Son, Inc., New York, N. Y. Fur, fur lined, and fur trimmed wearing apparel. Serial No. 398,290; Dec. 28. Class 39.

Ray, Milton, Company, Minneapolis, Minn. Tooth paste, mouth washes, hair tonics, etc. Serial No. 398,018; Dec. 28. Class 6.

Reyburn Manufacturing Company, The, Philadelphia, Pa. Rings and caps formed from cardboard for use in forming display elements. Serial No. 397,151; Dec. 28. Class 50.

Rich Signs Corporation, Wichita, Kans. Highway markers. Serial No. 396,685; Dec. 28. Class 50.

Robillio & Cuneo, Memphis, Tenn. Mixed dried peas, macaroni, noodles, etc. Serial No. 398,492; Dec. 28. Class 46.

Robinson Clay Product Company, The, Akron, Ohio. Dry and plastic refractory high temperature cement. Serial No. 385,679; Dec. 28. Class 12.

Rouyer, Guillet & Cie., Société à responsabilité limitée, Saintes, France. Brandy. Serial No. 399,676; Dec. 28. Class 49.

S. M. A. Corporation, Cleveland, Ohio. Highly potent concentrate of the vitamin B complex. Serial No. 398,293; Dec. 28. Class 6.

Schanz, George L., Mount Vernon, N. Y. Indoor golf game. Serial No. 398,594; Dec. 28. Class 22.

Schmitkons, H. William, Lorain, Ohio. Packaged fresh deciduous fruits. Serial No. 398,940; Dec. 28. Class 46.

Scotts Valley Fruit Exchange, Lakeport, Calif. Fresh deciduous fruits. Serial No. 399,678; Dec. 28. Class 46.

Searle, G. D., & Co., Chicago, Ill. Medicinal preparation. Serial No. 397,915; Dec. 28. Class 6.

Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. Serial No. 395,319; Dec. 28. Class 39.

Serr Manufacturing Company, New York, N. Y. Steam egg poachers. Serial No. 397,775; Dec. 28. Class 13.

Sexton, John, & Co., Chicago, Ill. Canned vegetables, frozen fruits, canned fruit juices, etc. Serial No. 393,737; Dec. 28. Class 46.

Shepherd's Industries Limited, London, England. Fried food preparation in the nature of farinaceous crisps. Serial No. 394,728; Dec. 28. Class 46.

Silverlite Products Company. (See Lewis, J. A. M.)

Simco Company, Inc., New York, N. Y. Towels and wash cloths. Serial No. 399,334; Dec. 28. Class 42.

Skidel, David, doing business as United Flour Company, and also United Milling Co., Chicago, Ill. Cocoanut oil for pop corn seasoning, popped corn, pop corn salt, etc. Serial No. 389,943; Dec. 28. Class 46.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and petroleum engine fuels. Serial No. 398,693; Dec. 28. Class 15.

Southern Kraft Corporation, New York, N. Y. Wrapping paper and kraft paper. Serial No. 370,897; Dec. 28. Class 37.

Staedtler, J. S., Nuremberg, Germany. Lead pencils and crayons. Serial No. 396,696; Dec. 28. Class 37.

Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Bathing suits, sweaters, and polo shirts. Serial No. 398,443; Dec. 28. Class 39.

Streifthau, Edgar, doing business as Streifthau Manufacturing Company, Middletown, Ohio. Motor powered bicycle. Serial No. 397,880; Dec. 28. Class 19.

Stylepark Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 398,329; Dec. 28. Class 39.

Sunflower Mills Inc., Indianola, Miss. Wheat flour. Serial No. 398,359; Dec. 28. Class 46.

Tappin's Inc., New York, N. Y. Men's and boys' clothing. Serial No. 398,297; Dec. 28. Class 39.

Tepper Bros., Plainfield, N. J. Dresses, coats, suits, etc. Serial No. 397,882; Dec. 28. Class 39.

Tork, Alfred, doing business as The Exhumat Company, Topeka, Kans. Pharmaceutical preparation. Serial No. 398,330; Dec. 28. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Trans-Lux Corporation, New York, N. Y. Rear projection screens, optical projection equipment, screen frames, etc. Serial No. 399,257; Dec. 28. Class 26.

Try-Me Beverage & Compound Co., Birmingham, Ala. Root beer. Serial No. 398,505; Dec. 28. Class 45.

Ulrich Manufacturing Company, Shelbyville, Ill. Piston expander and a piston drill guide block. Serial Nos. 399,158–9; Dec. 28. Class 23.

United Distillers (of America), Ltd., Baltimore, Md. Whiskey, gin, rum, etc. Serial No. 399,629; Dec. 28. Class 49.

United Flour Company. (See Skidel, David.)

United Milling Co. (See Skidel, David.)

Universal Parts, Inc., Chicago, Ill. Mufflers for engines. Serial No. 398,333; Dec. 28. Class 23.

Universal Winding Company, Cranston, R. I., and Boston, Mass. Machines, apparatus, and parts thereof for winding and handling thread, yarn, etc. Serial No. 398,334; Dec. 28. Class 23.

Valentine, Harold G., doing business as H. G. Valentine Co., Randolph, Mass. Compositions which are cleaners for automobiles, metals, glass, etc. Serial No. 396,793; Dec. 28. Class 4.

Vazah, Inc., New York, N. Y. Manikins. Serial No. 398,799; Dec. 28. Class 50.

Vick Chemical Company, New York, N. Y. Analgesic tablets. Serial No. 398,977; Dec. 28. Class 6.

Village Blacksmith Folks, The, Watertown, Wis. Butchers' knives, cleavers, choppers, etc. Serial No. 395,114; Dec. 28. Class 23.

Vi-Ken Mineral Products Company. (See Williams, William D.)

Vitamins Plus Incorporated, New York, N. Y. Capsules containing vitaminic preparations. Serial No. 397,782; Dec. 28. Class 6.

Walgreen Co., Chicago, Ill. Shaving cream, soap, and the like. Serial No. 397,350; Dec. 28. Class 4.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Men's trousers. Serial No. 399,021; Dec. 28. Class 39.

Weber, Rose, Chicago, Ill. Cosmetics. Serial No. 383,556; Dec. 28. Class 6.

Weyenberg Shoe Manufacturing Company, doing business as Portage Shoe Manufacturing Co., Milwaukee, Wis. Men's leather shoes. Serial No. 384,682; Dec. 28. Class 39.

Wilkey Laboratories, Inc., Chicago, Ill. Shoe dressings, shoe polishes, shoe cleaners, etc. Serial No. 394,071; Dec. 28. Class 4.

Williams, William D., doing business as Vi-Ken Mineral Products Company, Covington, Ky. Prepared mineral preparation or compound. Serial No. 398,695; Dec. 28. Class 6.

Wilson, Andrew, Inc., Springfield, N. J. Insecticide. Serial No. 398,070; Dec. 28. Class 6.

Wolkins, Henry S., Company, Boston, Mass. Ink wells. Serial No. 389,953; Dec. 28. Class 37.

Wuesthoff, Frederick J., Berkeley, Calif. Scouring pads. Serial No. 394,926; Dec. 28. Class 4.

Wyeth, John, and Brother, Incorporated, Philadelphia, Pa. Medicinal preparation for treatment of nasal congestion. Serial No. 398,867; Dec. 28. Class 6.

Younghusband, James L., Chicago, Ill. Lipsticks, rouge, face powder, etc. Serial No. 398,952; Dec. 28. Class 6.

Zeok, John, Braddock, Pa. Prepared fresh milk for infants. Serial No. 398,227; Dec. 28. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Agoos Leather Companies, Inc., Boston, Mass. Leather. 353,229; Dec. 28; Serial No. 396,112; published Oct. 19, 1937. Class 1.

Albers Bros. Milling Co., Portland, Oreg.; San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif.; and Seattle, Tacoma, and Spokane, Wash. Corn flakes. 353,211–12; Dec. 28; Serial Nos. 395,803–4; published Oct. 19, 1937. Class 46.

Amberg File & Index Company, Chicago, Ill. Binder cover for loose sheets. 353,150; Dec. 28; Serial No. 394,738; published Oct. 19, 1937. Class 37.

American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Asphaltic emulsions, asphaltic compositions. 353,257; Dec. 28; Serial No. 396,437; published Oct. 12, 1937. Class 12.

American Chemical Paint Company, Ambler, Pa. Ready mixed paints, paint thinners, primers, etc. 353,202; Dec. 28; Serial No. 395,693; published Oct. 19, 1937. Class 16.

American District Steam Company, North Tonawanda, N. Y. Cellular tile, cell-concrete insulation, insulating pipe casing units, etc. 353,147; Dec. 28; Serial No. 394,690; published Oct. 19, 1937. Class 12.

American National Drinks, Inc., Cleveland, Ohio. Beverages and syrups and extracts for making same. 353,269; Dec. 28; Serial No. 396,589; published Oct. 19, 1937. Class 45.

American Paper Exports, Inc., New York, N. Y. Bond, ledger, document, and index paper. 353,315; Dec. 28. Class 37.

American Pop Corn Company, Sioux City, Iowa. Pop corn. 353,198; Dec. 28; Serial No. 395,635; published Oct. 19, 1937. Class 46.

American Writing Paper Corporation, Holyoke, Mass. Writing and printing paper. 353,240; Dec. 28; Serial No. 396,254; published Oct. 19, 1937. Class 37.

Anemostat Corporation of America, New York, N. Y. Air conditioning and ventilation units and parts thereof. 353,171–2; Dec. 28; Serial Nos. 395,257–8; published Oct. 19, 1937. Class 34.

Arden, Elizabeth, Inc., New York, N. Y. Nail polish. 353,193; Dec. 28; Serial No. 395,558; published Oct. 12, 1937. Class 6.

Asbestos Weaving Company. (See Hanslip, Joseph R.)

Atlas Powder Company, Wilmington, Del. Coated fabrics. 353,266; Dec. 28; Serial No. 396,486; published Oct. 19, 1937. Class 50.

Aunt Jemima Mills Company, St. Joseph, Mo., assignor to The Quaker Oats Company, Chicago, Ill. Flours. 120,159–60; renewed Jan. 15, 1938.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Toilet tissue. 353,319; Dec. 28. Class 37.

Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 353,310; Dec. 28. Class 17.

B. & T. Floor Company, The, Columbus, Ohio. Metallic edge and cove strips. 353,083; Dec. 28; Serial No. 379,663; published Oct. 19, 1937. Class 12.

Bailey & Grant, Inc., Fall River, Mass. Oil burners. 353,082; Dec. 28; Serial No. 373,015; published Apr. 14, 1936. Class 34.

Ballif Distributing Company, Portland, Oreg. Wine. 353,103; Dec. 28; Serial No. 389,597; published Oct. 19, 1937. Class 47.

Ballif Distributing Company, Portland, Oreg. Wine. 353,106; Dec. 28; Serial No. 389,974; published Oct. 19, 1937. Class 47.

Bank of America National Trust and Savings Association, San Francisco, Calif. Newspapers. 353,186; Dec. 28; Serial No. 395,443; published Oct. 12, 1937. Class 38.

Barber Company, Inc., The, Philadelphia, Pa. Asphalt emulsions. 353,249; Dec. 28; Serial No. 396,349; published Oct. 19, 1937. Class 12.

Barlow & Seelig Mfg. Co., Ripon, Wis. Laundry washing machines, laundry wringers and water extraction devices, etc. 353,189–90; Dec. 28; Serial Nos. 395,469–70; published Oct. 19, 1937. Class 24.

Barlow & Seelig Mfg. Co., Ripon, Wis. Electrical refrigerators. 353,284–5; Dec. 28; Serial Nos. 396,799–800; published Oct. 19, 1937. Class 31.

Baumann, Ludwig, & Company, New York, N. Y. Bedroom suites, dining room suites, etc. 353,095; Dec. 28; Serial No. 387,020; published Oct. 19, 1937. Class 32.

Beatrice Creamery Company, Chicago, Ill. Ready mixed paint. 353,222; Dec. 28; Serial No. 396,021; published Oct. 19, 1937. Class 16.

Bennington Wax Paper Company, Bennington, Vt. Candy wrappers. 353,125; Dec. 28; Serial No. 393,058; published Oct. 19, 1937. Class 37.

Berick, Morris, doing business as Wheel of Fortune Money Nite Co., Fall River, Mass. Portable stage-type spin wheel. 353,094; Dec. 28; Serial No. 386,979; published Oct. 19, 1937. Class 22.

Berkowitz, Michael, Company, Inc., New York, N. Y. Pajamas, blouses, nightgowns, etc. 353,199; Dec. 28; Serial No. 395,659; published Oct. 19, 1937. Class 39.

Berry, Lee E., doing business as Shop & Laboratory Equipment Company, Chicago, Ill. Dressing for all machine belts. 353,317; Dec. 28. Class 4.

Binney & Smith Co., New York, N. Y. Artists' crayons. 121,394; renewed Apr. 30, 1938.

Black, Walter J., Inc., New York, N. Y. Monthly publication. 353,162; Dec. 28; Serial No. 395,010; published Oct. 19, 1937. Class 38.

Bloch Company, The, Cleveland, Ohio. Suits, topcoats, and overcoats. 353,139; Dec. 28; Serial No. 394,362; published Oct. 19, 1937. Class 39.

Bon Marche Dry Goods Company, The, Lowell, Mass. Hosiery. 353,258; Dec. 28; Serial No. 396,442; published Oct. 19, 1937. Class 39.

Bonomo Candy & Nut Corp., Brooklyn, N. Y. Confections. 353,223; Dec. 28; Serial No. 396,022; published Oct. 19, 1937. Class 46.

Boulevard Frocks, Incorporated, Minneapolis, Minn. Smocks. 353,165; Dec. 28; Serial No. 395,061; published Oct. 19, 1937. Class 39.

Brand & Oppenheimer, Inc., New York, N. Y. Piece goods of cotton and rayon. 353,241; Dec. 28; Serial No. 396,259; published Oct. 19, 1937. Class 42.

Breck, John H., Inc., Springfield, Mass. Shampoo preparations. 353,163; Dec. 28; Serial No. 395,012; published Oct. 19, 1937. Class 6.

Brickhill, Everard C., London, England. Rotary sprinklers and spray nozzles. 353,175; Dec. 28; Serial No. 395,289; published Oct. 19, 1937. Class 13.
Brondi, Edward, doing business as Importers Mills Co., New York, N. Y. Coffee. 120,162; renewed Jan. 15, 1938.
Brown, Maude, Los Angeles, Calif. Dog and cat food. 353,252–3; Dec. 28; Serial Nos. 396,385–6; published Oct. 19, 1937. Class 46.
Buchanan, James, & Co. Limited, London, England, and Glasgow and Mulben, Speyside, Scotland, to James Buchanan & Company Limited, London, England. Whisky. 120,069; renewed Jan. 8, 1938.
Buchanan, James, & Co. Limited, London, England, and Glasgow and Mulben, Scotland, to James Buchanan & Company Limited, London, England. Whisky. 120,826; renewed Mar. 12, 1938.
Burgess Battery Company, Chicago, Ill. Sheet material. 353,217; Dec. 28; Serial No. 395,807; published Oct. 19, 1937. Class 50.
Buxton, W. V., Carl Junction, Mo. Eye drops. 353,173; Dec. 28; Serial No. 395,273; published Oct. 12, 1937. Class 6.
California Associated Raisin Co., assignor to Sun-Maid Raisin Growers of California, Fresno, Calif. Dried fruits. 121,400; renewed Apr. 30, 1938.
Caraflol-Silverman Company, St. Louis, Mo. Street dresses. 353,312; Dec. 28. Class 39.
Carlson, Benjamin, Brooklyn, N. Y. Cigars. 353,226; Dec. 28; Serial No. 396,065; published Oct. 19, 1937. Class 17.
Carpinteria Mutual Citrus Assn., Carpinteria, Calif. Fresh citrus fruits. 353,272; Dec. 28; Serial No. 396,629; published Oct. 19, 1937. Class 46.
Carson Pirie Scott & Company, Chicago, Ill. Men's and boys' outer shirts. 353,314; Dec. 28. Class 39.
Celotex Corporation, The, Chicago, Ill. Wall surfacing units. 353,183; Dec. 28; Serial No. 395,378; published Oct. 12, 1937. Class 12.
Central Lemon Association. (See Tustin Lemon Association, assignor.)
Central States Distributors, Inc., Chicago, Ill. Brandy. 353,108; Dec. 28; Serial No. 391,173; published Oct. 19, 1937. Class 49.
Champagne Ernest Irroy, Maison Fondée en 1820, Société Anonyme, Reims, France. Champagne wines. 353,174; Dec. 28; Serial No. 395,275; published Oct. 19, 1937. Class 47.
Charles & Co., New York, N. Y. Canned and glass packages of vegetables, vegetable juices, fruits, etc. 353,119; Dec. 28; Serial No. 392,254; published Oct. 19, 1937. Class 46.
Cheerwine Bottling Company. (See Peeler, Clifford A.)
Chemco Photoproducts Company, Glen Cove and New York, N. Y. Stripfilm cameras, stripping cabinets, etching machines, etc. 353,142; Dec. 28; Serial No. 394,398; published Oct. 19, 1937. Class 26.
Cincinnati Ball Crank Co., The, Cincinnati, Ohio. Machine handles, grease hose control handles, booster attachments, etc. 353,110; Dec. 28; Serial No. 391,265; published Oct. 19, 1937. Class 23.
Clegg, Sherman D., doing business as Nostriola Balm Company, Dayton, Ohio. Balm to assist in the relief of nasal catarrh, etc. 353,164; Dec. 28; Serial No. 395,020; published Oct. 12, 1937. Class 6.
Colgate & Co., Jersey City, N. J., and New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soaps. 120,955; renewed Mar. 19, 1938.
Colorado Milling & Elevator Co., The, Denver, Colo., and Burley, Idaho. Wheat flour. 120,843; renewed Mar. 12, 1938.
Colorado Milling & Elevator Co., The, Denver, Colo., and Burley, Idaho. Wheat flour. 121,266; renewed Apr. 23, 1938.
Columbian Rope Company, Auburn, N. Y. Needled felted vegetable fiber material. 353,214; Dec. 28; Serial No. 395,855; published Oct. 19, 1937. Class 50.
Cook Paint & Varnish Company, North Kansas City, Mo. Ready mixed paints. 353,259–63; Dec. 28; Serial Nos. 396,449–53; published Oct. 19, 1937. Class 16.
Cooley, Incorporated, Pawtucket, R. I. Waterproof fabrics and raincoat materials. 353,129; Dec. 28; Serial No. 393,798; published Oct. 19, 1937. Class 50.
Cramer, Jack, San Jose, Calif. Insecticide and fungicide. 353,224; Dec. 28; Serial No. 396,027; published Oct. 19, 1937. Class 6.
Cross, Mark, Company, New York, N. Y. Pipes, pipe racks, and humidors. 353,153; Dec. 28; Serial No. 394,774; published Oct. 19, 1937. Class 8.
Delco Tire Corp., Chicago, Ill. Rubber tires. 353,086; Dec. 28; Serial No. 381,192; published Oct. 19, 1937. Class 35.
Demartini, L., Co., The, San Francisco, Calif. Nuts. 353,115; Dec. 28; Serial No. 391,627; published Oct. 19, 1937. Class 46.
Derby Games Company, South Bend, Ind. Game. 353,273; Dec. 28; Serial No. 396,632; published Oct. 19, 1937. Class 22.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead-pencils. 119,675–7; renewed Dec. 11, 1937.
Dodge, Horace E., Boat & Plane Corporation, New York, N. Y. Motorboats, speed boats, hydroplanes, and the hulls thereof. 353,077; Dec. 28; Serial No. 350,018; published Oct. 19, 1937. Class 19.
Dodson, Doris, Garment Company. (See Forest City Manufacturing Company.)
Doerler, W. C., & Sons, Akron, Ohio. Book. 353,136; Dec. 28; Serial No. 394,078; published Oct. 12, 1937. Class 38.
Dow Chemical Company, The, Midland, Mich. Antidesiccant preparations. 353,276; Dec. 28; Serial No. 396,673; published Oct. 12, 1937. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Explosives. 353,274; Dec. 28; Serial No. 396,633; published Oct. 19, 1937. Class 9.
Dvorkin & Okun Company, New York, N. Y. Suits, topcoats, overcoats, etc. 353,318; Dec. 28. Class 39.
Eade, G. W., and Company, Aurora, Ill. Dresses. 353,232; Dec. 28; Serial No. 396,185; published Oct. 19, 1937. Class 39.
Eagle Chemical Company, Cameron, Tex. Ointment. 353,200; Dec. 28; Serial No. 395,661; published Oct. 12, 1937. Class 6.
Editor & Publisher Company, The, New York, N. Y. Newspaperman's newspaper. 353,131; Dec. 28; Serial No. 393,930; published Oct. 12, 1937. Class 38.
Ellis, E. W., Lumber Company, Grand Rapids, assignor, by mesne assignments, to Kinzel Lumber Company, Merrill, Wis. Wood beading. 121,278; renewed Apr. 23, 1938.
Empire Piece Dyeing and Finishing Company, Paterson, N. J. Lingerie silk piece goods. 353,203; Dec. 28; Serial No. 395,704; published Oct. 19, 1937. Class 42.
Epiphone, Inc., New York, N. Y. Electric stringed musical instruments, and parts thereof, amplifiers for same, etc. 353,133; Dec. 28; Serial No. 393,978; published Oct. 19, 1937. Class 36.
Eppens, Smith Company, Inc., New York, N. Y. Coffee. 353,101; Dec. 28; Serial No. 389,057; published Oct. 19, 1937. Class 46.
Erwin Shoe Co., Inc., New York, N. Y. Shoes, slippers, and sandals. 353,128; Dec. 28; Serial No. 393,532; published Sept. 21, 1937. Class 39.
Essex Razor Blade Corporation, Elizabeth, assignor to Yardley of London, Inc., Union City, N. J. Razor blades. 353,079; Dec. 28. Class 23.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead and colored pencils, penholders, rubber bands, etc. 353,132; Dec. 28; Serial No. 393,977; published Oct. 19, 1937. Class 37.
Farinella, A., & Company, Inc., Passaic, N. J. Macaroni, olive oil, canned vegetables, etc. 353,078; Dec. 28; Serial No. 367,463; published Oct. 19, 1937. Class 46.
Fava, G., Fruit Company, Inc., Baltimore, Md. Wines. 353,169; Dec. 28; Serial No. 395,161; published Oct. 19, 1937. Class 47.
Fawcett Publications, Inc., Greenwich, Conn. Magazine. 353,111–13; Dec. 28; Serial Nos. 391,270–2; published Oct. 19, 1937. Class 38.
Fife and Aronofsky, Dallas, Tex. Suits, coats, and overcoats. 353,307; Dec. 28. Class 39.
Fink-Roselieve Co., Inc., New York, N. Y. Photographic preparations and photographic chemicals. 353,209; Dec. 28; Serial No. 395,754; published Oct. 12, 1937. Class 8.
Flodent Products Co., Baltimore, Md. Liquid dentifrice. 353,270; Dec. 28; Serial No. 396,603; published Oct. 12, 1937. Class 6.
Fontenelle Brewing Company, Omaha, Nebr. Malt beverages and beer. 353,140; Dec. 28; Serial No. 394,363; published Oct. 19, 1937. Class 48.
Forest City Manufacturing Company, doing business as Doris Dodson Garment Company, St. Louis, Mo. Junior misses' street, sport, and house dresses. 353,306; Dec. 28. Class 39.
Forsch-Benjamin Company, The, Cleveland, Ohio. Women's and misses' cloaks and suits. 353,320; Dec. 28. Class 39.
Fort Wayne Drug Company, Fort Wayne, Ind. Preparation for the treatment of certain named diseases. 121,612; renewed May 14, 1938.
French, R. T., Company, The, Rochester, N. Y. Mustard. 353,301; Dec. 28. Class 46.
Friedrich, Ed., Incorporated, San Antonio, Tex. Compressors. 353,085; Dec. 28; Serial No. 381,030; published Oct. 19, 1937. Class 23.
Fulghum & Company, Los Angeles, Calif. Spar varnish. 353,167; Dec. 28; Serial No. 395,140; published Oct. 19, 1937. Class 16.
Gambarelli & Davitto, New York, N. Y. Wines. 353,120; Dec. 28; Serial No. 392,424; published Oct. 19, 1937. Class 47.
Gardner-Richardson Company, The, Middletown, Ohio. Grease-resisting paper, paperboard, and layerboard. 353,089; Dec. 28; Serial No. 382,412; published Oct. 19, 1937. Class 37.
Gebhardt Chili Powder Co., San Antonio, Tex. Powder to be mixed with water and meat in making chili con carne. 353,305; Dec. 28. Class 46.
General Motors Corporation, Detroit, Mich. Electrical apparatus. 353,097; Dec. 28; Serial No. 388,496; published Oct. 19, 1937. Class 21.
General Research Laboratories. (See Walter, Harold W.)
Globe-Wernicke Company, The, Cincinnati, Ohio. Bookcases, filing-cabinets, filing cases, and office-cabinets. 121,180; renewed Apr. 16, 1938.

Gordon's Dry Gin Company, Limited, The, New York, N. Y., assignor to Charles Tanqueray & Co. Limited, London, England. Dry gin and Old Tom gin. 120,024; renewed Jan. 1, 1938.
Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, and combination corsets and brassières. 353,254; Dec. 28; Serial No. 396,400; published Oct. 19, 1937. Class 39.
Hacker Flour Mills, Jefferson, Okla. Wheat flour. 353,233; Dec. 28; Serial No. 396,180; published Oct. 19, 1937. Class 46.
Haig-Kostka Publications, Inc., Stamford, Conn. Magazine. 353,234; Dec. 28; Serial No. 396,190; published Oct. 19, 1937. Class 38.
Hanslip, Joseph R., doing business as Asbestos Weaving Company, Gleasondale, Mass. Oil burner wicks. 353,181; Dec. 28; Serial No. 395,344; published Oct. 19, 1937. Class 34.
Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. 353,278; Dec. 28; Serial No. 396,717; published Oct. 19, 1937. Class 12.
Harkins, Robert H., doing business as Nott Manufacturing Co., New York, N. Y. Insecticide for ants. 353,194; Dec. 28; Serial No. 395,575; published Oct. 12, 1937. Class 6.
Hawley & Hoops, New York, N. Y. Candy. 353,247–8; Dec. 28; Serial Nos. 396,340–1; published Oct. 19, 1937. Class 46.
Hearn Department Stores, Inc., New York, N. Y. Cocktail sherry. 353,156; Dec. 28; Serial No. 394,986; published Oct. 19, 1937. Class 47.
Hearn Department Stores, Inc., New York, N. Y. Nutty solera sherry. 353,157; Dec. 28; Serial No. 394,987; published Oct. 19, 1937. Class 47.
Hearn Department Stores, Inc., New York, N. Y. Amontillado sherry. 353,158; Dec. 28; Serial No. 394,988; published Oct. 19, 1937. Class 47.
Hearn Department Stores, Inc., New York, N. Y. Pale sherry. 353,159; Dec. 28; Serial No. 394,989; published Oct. 19, 1937. Class 47.
Hearn Department Stores, Inc., New York, N. Y. Dinner sherry. 353,160; Dec. 28; Serial No. 394,990; published Oct. 19, 1937. Class 47.
Hearst Metrotone News, Inc., New York, N. Y. Motion picture films. 353,311; Dec. 28. Class 26.
Henry, Robert G., doing business as Henry & Company, University Park, Md. Toilet brushes. 353,281; Dec. 28; Serial No. 396,738; published Oct. 19, 1937. Class 29.
Hercules Powder Company, Wilmington, Del. Paper size. 353,196; Dec. 28; Serial No. 395,619; published Oct. 12, 1937. Class 6.
Herman, William P., Providence, R. I. Electrical fixtures. 353,114; Dec. 28; Serial No. 391,475; published Oct. 19, 1937. Class 21.
Hindu Incense Manufacturing Co., Chicago, Ill. Incense. 353,227; Dec. 28; Serial No. 396,080; published Oct. 19, 1937. Class 6.
Holland-Vossel Co., Inc., New York, N. Y. Petticoats, pajamas, step-ins, etc. 353,298; Dec. 28; Serial No. 393,536; published Aug. 10, 1937. Class 39.
Hopper, Maximillian D., doing business as M. D. Hopper, Hanford, Calif. Fresh grapes. 353,323; Dec. 28. Class 46.
Horni Signal Manufacturing Corporation, New York, N. Y. Electric traffic signals, control equipment therefor, and parts thereof. 353,138; Dec. 28; Serial No. 394,284; published Oct. 19, 1937. Class 21.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Wire machine staples and staple strips. 353,204; Dec. 28; Serial No. 395,713; published Oct. 19, 1937. Class 13.
Hotchkiss, E. H., Company, The, Norwalk, Conn. Wire machine staples and staple strips. 353,205–6; Dec. 28; Serial Nos. 395,715–16; published Oct. 19, 1937. Class 13.
House of Bobbie, Inc., The, Marion, Ohio. Pipes, pipe racks, tobacco pouches and humidors. 353,117; Dec. 28; Serial Nos. 395,715–16; published Oct. 19, 1937. Class 8.
Importers Mills Co. (See Brondi, Edward.)
International Cellucotton Products Company, Chicago, Ill. Sanitary napkins. 353,316; Dec. 28. Class 44.
International Chewing Gum Company, Cambridge, Mass. Chewing gum. 353,250; Dec. 28; Serial No. 396,365; published Oct. 19, 1937. Class 46.
International Grape Products Co., Inc., New York, N. Y. Semi-dehydrated grapes. 353,176; Dec. 28; Serial No. 395,297; published Oct. 19, 1937. Class 46.
International Safety Razor Corp., Bloomfield, N. J. Razors and razor blades. 353,309; Dec. 28. Class 23.
International Silver Company, assignor to Steelsmith, Inc., Meriden, Conn. Hollow-ware of stainless steel. 353,137; Dec. 28; Serial No. 394,086; published Oct. 19, 1937. Class 13.
Junior Toy Corporation, Hammond, Ind. Velocipedes. 353,107; Dec. 28; Serial No. 390,790; published May 25, 1937. Class 22.
Kansas City Testing Laboratory, Kansas City, Mo. Weighting materials for oil well drilling fluids, muds, and suspensions. 353,161; Dec. 28; Serial No. 394,991; published Oct. 19, 1937. Class 1.
Kaufmann Bros. & Bondy, New York, N. Y., to Kaufmann Bros. & Bondy, Inc., West New York, N. J., successor. Pipes, cigar and cigarette holders, tobacco-pouches, etc. 120,584; renewed Feb. 19, 1938.
Kellogg, M. W., Company, The, Jersey City, N. J., and New York, N. Y. Pressure vessels, drums, and tanks. 353,215; Dec. 28; Serial No. 395,864; published Oct. 19, 1937. Class 2.
Kellom, Chas. F., & Co., Inc., Holmesburg, Pa. House magazine. 353,093; Dec. 28; Serial No. 386,061; published Oct. 19, 1937. Class 38.
Kinzel Lumber Company. (See Ellis, E. W., Lumber Company, assignor.)
Kosher Foods, Inc., New York, N. Y. Dressed poultry. 353,126; Dec. 28; Serial No. 393,287; published Oct. 19, 1937. Class 46.
Kress, S. H., and Company, New York, N. Y. Tooth brushes. 353,282–3; Dec. 28; Serial Nos. 396,775–6; published Oct. 19, 1937. Class 29.
Kroydon Co. Inc., The, Maplewood, N. J. Golf clubs. 353,279; Dec. 28; Serial No. 396,720; published Oct. 19, 1937. Class 22.
L. A. Citrus Distributors, Los Angeles, Calif. Fresh citrus fruits. 353,235; Dec. 28; Serial No. 396,194; published Oct. 19, 1937. Class 46.
Landsburg, Charles, Co., San Francisco, Calif. Women's and misses' hats. 353,303; Dec. 28. Class 39.
Laucks, I. F., Inc., Seattle, Wash. Primers, grain raising inhibitors, paste and liquid paints, etc. 353,292; Dec. 28; Serial No. 397,193; published Oct. 19, 1937. Class 16.
Leavitt, Isadore M., Baltimore, Md. Periodical. 353,239; Dec. 28; Serial No. 396,252; published Oct. 19, 1937. Class 38.
Leeds, Herbert R., & Co., New York, N. Y. Woolen, worsted, linen, etc., piece goods. 353,290; Dec. 28; Serial No. 396,993; published Oct. 19, 1937. Class 42.
Lees-Gilbert Corporation, New York, N. Y. Woolen piece goods. 353,287; Dec. 28; Serial No. 396,880; published Oct. 19, 1937. Class 42.
Lemon King Co. (See Wingfield, Robert J.)
Lewy Chemical Co., The, New York, N. Y. Insecticides. 353,087; Dec. 28; Serial No. 381,567; published Oct. 19, 1937. Class 6.
Liberty & Co. Limited, London, England. Fabrics. 120,598; renewed Feb. 19, 1938.
Lieberknecht, Paul, G. m. b. H., Chemnitz, Germany. Machines for making hosiery and parts thereof. 353,118; Dec. 28; Serial No. 392,100; published Oct. 19, 1937. Class 23.
Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. 353,243; Dec. 28; Serial No. 396,319; published Oct. 19, 1937. Class 17.
Lynn, J. J., doing business as Lynn Citrus Groves, Pharr, Tex. Fresh citrus fruits. 353,255; Dec. 28; Serial No. 396,414; published Oct. 19, 1937. Class 46.
M and M Wood Working Company, Portland, Oreg. Plywood for use in concrete forms. 353,090; Dec. 28; Serial No. 384,943; published June 29, 1937. Class 12.
MacClatchie Manufacturing Company of California, Compton, Calif. Pistons for pumps. 353,321; Dec. 28. Class 23.
Madaus, Dr., & Company, Radebuel, near Dresden, Germany. Chemicals, medicines, and pharmaceutical preparations. 353,313; Dec. 28. Class 6.
Mallon, Robert A., Chillicothe, Mo. Perforated theater tickets. 353,088; Dec. 28; Serial No. 381,569; published Oct. 12, 1937. Class 38.
Maltine Company, The, New York, N. Y. Medicinal compounds. 353,221; Dec. 28; Serial No. 396,000; published Oct. 19, 1937. Class 6.
Marlboro Shirt Co. Inc., Baltimore, Md. Dress and sport shirts. 353,225; Dec. 28; Serial No. 396,040; published Oct. 19, 1937. Class 39.
Marshall Field & Company, Chicago, Ill. Watches. 119,746; renewed Dec. 11, 1937.
Marshall Field & Company, Chicago, Ill. Leather shoes. 119,905; renewed Dec. 18, 1937.
Martinek, Frank Y., Chicago, Ill. Newspaper strips and cartoons. 353,105; Dec. 28; Serial No. 389,927; published Oct. 19, 1937. Class 38.
Masonite Corporation, Chicago, Ill. Fiber board, thermal insulating board, composite board, etc. 353,146; Dec. 28; Serial No. 394,670; published Sept. 21, 1937. Class 12.
Masonite Corporation, Chicago, Ill. Rock wool products for insulation purposes. 353,187; Dec. 28; Serial No. 395,454; published Oct. 5, 1937. Class 12.
Massicotte Import Company, Montreal, Quebec, Canada. Medicinal preparation. 353,091; Dec. 28; Serial No. 385,484; published Feb. 23, 1937. Class 6.
Master Builders Company, The, Cleveland, Ohio. Material to be used as an ingredient for concrete, mortar and the like. 353,184; Dec. 28; Serial No. 395,423; published Oct. 12, 1937. Class 12.
McAdams, Wm. D., doing business as Thompson Publishing Company, New York, N. Y. Publications. 353,244–5; Dec. 28; Serial Nos. 396,321–2; published Oct. 19, 1937. Class 38.
McCord-Stewart Company, Inc., Atlanta, Ga. Coffee and tea. 353,081; Dec. 28; Serial No. 369,707; published Nov. 26, 1935. Class 46.
Meadors Manufacturing Company, Greenville, S. C. Candy. 353,280; Dec. 28; Serial No. 396,722; published Oct. 19, 1937. Class 46.
Merrell, Wm. S., Company, The, Reading, Ohio. Sourwood compound. 353,264; Dec. 28; Serial No. 396,466; published Oct. 12, 1937. Class 6.

Microfilm Publishing Corporation, New York, N. Y. Magazines. 353,216; Dec. 28; Serial No. 395,873; published Oct. 19, 1937. Class 38.

Midway Chemical Company, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J. Mops. 353,099; Dec. 28; Serial No. 388,653; published Oct. 19, 1937. Class 29.

Mitterer, Adolph V., Denver, Colo. Vapor relief traps for liquid fuel lines. 353,135; Dec. 28; Serial No. 394,045; published Oct. 19, 1937. Class 13.

Mitterer, Adolph V., Denver, Colo. Liquid fuel line vapor traps. 353,151; Dec. 28; Serial No. 394,731; published Oct. 19, 1937. Class 13.

Modern Carpet Sweeper Co., Inc., Brooklyn, N. Y. Carpet sweepers. 353,155; Dec. 28; Serial No. 394,951; published Oct. 19, 1937. Class 23.

Monarch Leather Company, Chicago, Ill. Leather. 353,177; Dec. 28; Serial No. 395,309; published Oct. 19, 1937. Class 1.

Monarch Leather Company, Chicago, Ill. Leather. 353,178–80; Dec. 28; Serial Nos. 395,311–13; published Oct. 19, 1937. Class 1.

Moorhead, Harry S., Detroit, Mich. Periodical articles. 353,127; Dec. 28; Serial No. 393,389; published Oct. 19, 1937. Class 38.

Morrell, John, & Co., Ottumwa, Iowa. Hams. 353,166; Dec. 28; Serial No. 395,075; published Oct. 19, 1937. Class 46.

National Broadcasting Company, Inc., New York, N. Y. Periodical. 353,154; Dec. 28; Serial No. 394,855; published Oct. 12, 1937. Class 38.

National Liquor Co., Inc., Hato Rey, P. R. Rum. 353,195; Dec. 28; Serial No. 395,587; published Oct. 19, 1937. Class 49.

Nightingale Press, Inc., The, New York, N. Y. Journal. 353,210; Dec. 28; Serial No. 395,765; published Oct. 12, 1937. Class 38.

North American Dye Corporation, Mount Vernon, N. Y. Dyes, bluing, and a preparation for removing colors from all fabrics and stains from white goods. 353,170; Dec. 28; Serial No. 395,200; published Oct. 12, 1937. Class 6.

Nostriola Balm Company. (See Clegg, Sherman D.)

Nott Manufacturing Co. (See Harkins, Robert H.)

Nova-Kelp Company, Ltd., Potsdam and Buffalo, N. Y. Special preparation of giant sea plant (laminaria saccharina). 353,192; Dec. 28; Serial No. 395,535; published Oct. 12, 1937. Class 6.

Oliver Tire & Rubber Company, Oakland, Calif. Rubber in strip form. 353,308; Dec. 28. Class 35.

O'Sullivan, David L., New York, N. Y. Sheet music. 353,230; Dec. 28; Serial No. 396,152; published Oct. 12, 1937. Class 38.

Owl Truck & Materials Company, Compton, Calif. Especially prepared clay product. 353,246; Dec. 28; Serial No. 396,327; published Oct. 19, 1937. Class 1.

Pauluhn Electric M'f'g Co. Inc., New York, N. Y. Watertight and vapor proof electrical fixtures and fittings. 353,092; Dec. 28; Serial No. 385,858; published Oct. 19, 1937. Class 21.

Pegler, Clifford A., doing business as Cheerwine Bottling Company, Salisbury, N. C. Beverages and sirups and extracts for making the same. 353,291; Dec. 28; Serial No. 397,149; published Oct. 19, 1937. Class 45.

Perkins, Charles B., Company, Boston, Mass. Cigarettes and pipe tobacco. 353,275; Dec. 28; Serial No. 396,646; published Oct. 19, 1937. Class 17.

Philadelphia Inquirer Company, The, Philadelphia, Pa. Photographic section of The Philadelphia Inquirer. 353,143; Dec. 28; Serial No. 394,443; published Sept. 14, 1937. Class 38.

Phillips, Dr. P., Company, Orlando, Fla. Fresh citrus fruits. 353,134; Dec. 28; Serial No. 394,003; published Oct. 19, 1937. Class 46.

Pinaud Incorporated, New York, N. Y. Perfume, skin perfume, face powder, etc. 353,277; Dec. 28; Serial No. 396,693; published Oct. 12, 1937. Class 6.

Pioneer Gen-E-Motor Corporation, Chicago, Ill. Generators, motors, dynamotors, etc. 353,098; Dec. 28; Serial No. 388,592; published Oct. 19, 1937. Class 21.

Plessner, Paul, Company, Detroit, Mich. Preparation for treatment of gall bladder, bile duct and liver disturbances. 353,286; Dec. 28; Serial No. 396,833; published Oct. 19, 1937. Class 6.

Porcelain Products Company, Cicero, Ill. Building materials. 353,109; Dec. 28; Serial No. 391,241; published Oct. 19, 1937. Class 12.

Premier Product Company, Salinas, Calif. Fresh vegetables. 353,302; Dec. 28. Class 46.

Princeton, Incorporated, Watertown, Conn., and New York, N. Y. Knitted textile fabrics. 353,288; Dec. 28; Serial No. 396,931; published Oct. 19, 1937. Class 42.

Processed Materials Corporation, Detroit, Mich. Pulverized iron ore. 353,197; Dec. 28; Serial No. 395,626; published Oct. 19, 1937. Class 1.

Quaker Oats Company, The. (See Aunt Jemima Mills Company, assignor.)

Register & Tribune Company, The, Des Moines, Iowa. Picture section of a newspaper. 353,141; Dec. 28; Serial No. 394,386; published Oct. 12, 1937. Class 38.

Remington Rand Inc., Buffalo, N. Y. File cabinets, drawers, and parts thereof. 353,102; Dec. 28; Serial No. 389,100; published Oct. 19, 1937. Class 32.

Reynolds Metals Company, Inc., New York, N. Y. Wrapping material for cigars. 353,144; Dec. 28; Serial No. 394,552; published Oct. 19, 1937. Class 37.

Roto-Way Corporation, The, Chicago, Ill. Electrically heated machines for frying hamburgers, etc., and parts thereof. 353,152; Dec. 28; Serial No. 394,759; published Oct. 19, 1937. Class 21.

Rovina Wein-Import-Bund G. m. b. H. & Co. Kommanditgesellschaft, Munich, Germany. Wines. 353,116; Dec. 28; Serial No. 391,929; published Oct. 19, 1937. Class 47.

Royal Metal Manufacturing Company, Chicago, Ill. Metal furniture. 353,100; Dec. 28; Serial No. 388,802; published Oct. 19, 1937. Class 32.

Runge, John H., New York, N. Y. Optical goods, instruments, and machines. 353,130; Dec. 28; Serial No. 393,874; published Oct. 19, 1937. Class 26.

Schlosser Paper Corporation, New York, N. Y. Papers, cardboard, and envelopes. 353,143; Dec. 28; Serial No. 394,638; published Oct. 19, 1937. Class 37.

Seibel, Oscar E., Bloomington, Ill. Indoor game of baseball using movable playing pieces. 353,218; Dec. 28; Serial No. 395,932; published Oct. 19, 1937. Class 22.

Shapiro, Samuel, New York, N. Y. Leather. 353,168; Dec. 28; Serial No. 395,154; published Oct. 19, 1937. Class 1.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. 353,267; Dec. 28; Serial No. 396,549; published Oct. 12, 1937. Class 6.

Shop & Laboratory Equipment Company. (See Berry, Lee E.)

Sitroux Company, Inc., The, New York, N. Y. Facial tissues. 353,265; Dec. 28; Serial No. 396,475; published Oct. 19, 1937. Class 37.

Société des Produits Scientifiques Beauté Vonna, Paris, France. Cosmetics. 353,084; Dec. 28; Serial No. 379,851; published Oct. 12, 1937. Class 6.

Société Mantelet & Boucher, Bagnolet, France. Sugar, spices, and seasonings. 353,148; Dec. 28; Serial No. 394,730; published Oct. 19, 1937. Class 46.

Société Mantelet & Boucher, Bagnolet, France. Glass receptacles with metal closures. 353,149; Dec. 28; Serial No. 394,731; published Oct. 19, 1937. Class 2.

Solomon, A., New Orleans, La. Summer clothing. 353,322; Dec. 28. Class 39.

Souther, E. E., Iron Company, St. Louis, Mo. Neon vehicle signs. 353,191; Dec. 28; Serial No. 395,505; published Oct. 19, 1937. Class 21.

Sprague, C. H., & Son Company, Boston, Mass. Coal. 353,271; Dec. 28; Serial No. 396,616; published Oct. 19, 1937. Class 1.

Stafford, George A., assignor to G. A. Stafford & Company, Inc., New York, N. Y. Woven cotton fabrics. 121,829; renewed May 28, 1938.

Steelsmith, Inc. (See International Silver Company, assignor.)

Stetson, Geo. W., Hingham, Mass. Demountable vehicle bodies. 353,185; Dec. 28; Serial No. 395,435; published Oct. 19, 1937. Class 19.

Stewart, George W., doing business as Tugee's Laboratories, Nashville, Tenn. Medicinal preparation. 353,219; Dec. 28; Serial No. 395,934; published Oct. 12, 1937. Class 6.

Summerour, B. F., Seed Company, Norcross, Ga. Cotton seed. 353,096; Dec. 28; Serial No. 388,040; published Oct. 19, 1937. Class 1.

Sun-Maid Raisin Growers of California. (See California Associated Raisin Co., assignor.)

Tanqueray, Charles, & Co. Limited. (See Gordon's Dry Gin Company, Limited, The, assignor.)

Thompson Publishing Company. (See McAdams, William D.)

Trojan Publishing Corp., New York, N. Y. Periodical publication. 353,121; Dec. 28; Serial No. 392,821; published Oct. 19, 1937. Class 38.

Tugee's Laboratories. (See Stewart, George W.)

Tustin Lemon Association, Tustin, assignor to Central Lemon Association, Orange, Calif. Lemons. 121,361; renewed Apr. 23, 1938.

Union Bottling Company, doing business as Union Beverage Products Co., Memphis, Tenn. Beverages, and syrups used in the preparation of same. 353,104; Dec. 28; Serial No. 389,664; published Oct. 19, 1937. Class 45.

Union Fork & Hoe Company, The, Columbus, Ohio. Grass cutting and trimming implement. 353,304; Dec. 28. Class 23.

Union Special Machine Company, Chicago, Ill. Sewing machines. 353,208; Dec. 28; Serial No. 395,741; published Oct. 19, 1937. Class 23.

United Shoe Machinery Corporation, Boston, Mass. Shoe lasts. 353,201; Dec. 28; Serial No. 395,690; published Oct. 19, 1937. Class 50.

United States News Publishing Corporation, Washington, D. C. Sections of periodical publications. 353,236; Dec. 28; Serial No. 396,213; published Oct. 19, 1937. Class 38.

United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 353,299; Dec. 28; Serial No. 397,393; published Nov. 2, 1937. Class 22.

United States Rubber Products, Inc., New York, N. Y. Automobile rubber tires and inner tubes. 353,220; Dec. 28; Serial No. 395,971; published Oct. 19, 1937. Class 35.

United States Rubber Products, Inc., New York, N. Y. Swimming or bathing devices simulating the form of an animal. 353,293–7; Dec. 28; Serial Nos. 397,312–6; published Oct. 19, 1937. Class 22.

Universal Coat Front Co., Philadelphia, Pa. Coat fronts. 353,207; Dec. 28; Serial No. 395,725; published Oct. 19, 1937. Class 39.

Van Tine Features Syndicate, Inc., New York, N. Y. Circulars and compilations of advertising in book form. 353,268; Dec. 28; Serial No. 396,553; published Oct. 19, 1937. Class 38.

Volcanic Products Corporation, Chicago, Ill. Precast joists, precast floor slabs, precast roof slabs, etc. 353,256; Dec. 28; Serial No. 396,428; published Oct. 19, 1937. Class 12.

Wailes Dove-Hermiston Corporation, New York, N. Y. Plastic bituminous composition for general waterproofing purposes, etc. 353,188; Dec. 28; Serial No. 395,465; published Oct. 5, 1937. Class 12.

Walter, Harold W., doing business as General Research Laboratories, Muscatine, Iowa. Anti-freezing solution for radiators. 353,182; Dec. 28; Serial No. 395,365; published Oct. 19, 1937. Class 6.

Waples Platter Company, Fort Worth, Tex. Canned fresh blackeyed peas, tea, vanilla extract, etc. 353,123; Dec. 28; Serial No. 392,943; published Oct. 19, 1937. Class 46.

Waples Platter Company, Fort Worth, Tex. Tea, apple butter, and vinegar, etc. 353,124; Dec. 28; Serial No. 392,944; published Oct. 19, 1937. Class 46.

Ward, Electus B., Cambridge, Mass. Letterheads. 353,300; Dec. 28. Class 37.

West Virginia Rail Company, The, Huntington, W. Va. Reinforced concrete bars. 353,213; Dec. 28; Serial No. 395,850; published Oct. 12, 1937. Class 12.

Weston, George, Limited, Passaic, N. J. Cookies. 353,251; Dec. 28; Serial No. 396,379; published Oct. 19, 1937. Class 46.

Wheel of Fortune Money Nite Co. (See Berick, Morris.)

Wilkins, John H., Company, Washington, D. C. Coffee. 353,080; Dec. 28; Serial No. 368,872; published Mar. 23, 1937. Class 46.

Wingfield, Robert J., doing business as Lemon King Co., Chicago, Ill. Fruit juices for beverage purposes. 353,237; Dec. 28; Serial No. 396,217; published Oct. 19, 1937. Class 45.

Winner Manufacturing Co., Inc., Trenton, N. J. Water sports equipment. 353,242; Dec. 28; Serial No. 396,288; published Oct. 19, 1937. Class 22.

Winter Air Products Corporation, Chicago, Ill. Display cases containing cooling or refrigerating units and refrigerators. 353,228; Dec. 28; Serial No. 396,096; published Oct. 19, 1937. Class 31.

Wilson, Grant, Incorporated, Chicago, Ill. Thermal and sound insulating and fireproofing felt. 353,122; Dec. 28; Serial No. 392,904; published Oct. 19, 1937. Class 12.

Wood, Lyndon D., Chicago, Ill. Hop extract. 353,238; Dec. 28; Serial No. 396,218; published Oct. 19, 1937. Class 48.

Wortendyke Manufacturing Company, Richmond, Va. Woven fabric. 353,289; Dec. 28; Serial No. 396,943; published Oct. 19, 1937. Class 42.

Yardley of London, Inc. (See Essex Razor Blade Corporation, assignor.)

LIST OF REGISTRANTS OF LABELS

Amalgamated Clothing Workers of America, New York, N. Y. Union Made Gloves. For Gloves. 50,512; Dec. 28.

B. & B. Products Co. (See Burnstein, Louis.)

Boston Beauty & High-Grade Celery Co., Boston, Mass. Selected Celery. For Celery. 50,513; Dec. 28.

Bruton Brewing Co., Baltimore, Md. Bruton Ale. For Ale. 50,514; Dec. 28.

Burnstein, Louis, doing business as B. & B. Products Co., Platte City, Mo. B. & B. Cold Capsules. For Cold Capsules. 50,515; Dec. 28.

Eastern Trading Company. (See Finkelstein, William.)

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. Gloria Hair Net. For Hair Nets. 50,516; Dec. 28.

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. Hair Net. For Hair Nets. 50,517; Dec. 28.

Finkelstein, William, doing business as Eastern Trading Company, New York, N. Y. The Perfect Human Hair Net. For Hair Nets. 50,518; Dec. 28.

Foampowder, Miami, Fla. Foampowder. For Antiseptic Powder. 50,519; Dec. 28.

Kooltex Rug Co., New York, N. Y. Kooltex. For Rugs. 50,520; Dec. 28.

Maine Canned Foods, Inc., Portland, Me. Old Fashioned New England Oven Baked Beans. For Baked Beans. 50,521; Dec. 28.

Mathews, W. S., & Sons, Incorporated, Paducah, Ky. The Difference is in the Quality. For Smoking and Twist Tobacco. 50,522; Dec. 28.

Perry Bros., Seattle, Wash. Oven Reddy. For Milk Fed Chicken. 50,523; Dec. 28.

Prinz Baking Co. Inc., The, Owensboro, Ky. Prinz Bread. For Bread. 50,524; Dec. 28.

Union Starch and Refining Company, Columbus, Ind. Pennant Syrup. For Syrup. 50,525; Dec. 28.

Union Starch and Refining Company, Columbus, Ind. Pennant Syrup. For Syrups. 50,526; Dec. 28.

Wander Company, The, Chicago, Ill. Chocolate Flavored Ovaltine. For a Food Beverage. 50,527; Dec. 28.

Wolf, William, Newark, N. J. Sandra Jean. For Cosmetics. 50,528; Dec. 28.

Wolf, William, Newark, N. J. Royal Esquire. For Cosmetics. 50,529; Dec. 28.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. Baby's First Solid Food Must Be Perfectly Digestible! For Wheat Breakfast Food. 16,632; Dec. 28.

Keys & Lockwood, New York, N. Y. Black and White. For Neckties. 16,633; Dec. 28.

Miller, Robert, Auburn, Wash. Get Along Doggie. For Hot Dogs. 16,634; Dec. 28.

Shotwell, Kate C., Rosedale, Petoskey, Mich. Sno Kist. For Holiday Wreaths. 16,635; Dec. 28.

U. S. Vitamin Corporation, Dover, Del., and New York, N. Y. Three Epochal Years. For Vitamin Products. 16,636; Dec. 28.

Willson Products, Inc., Reading, Pa. Willson Sun Glasses. For Sun Glasses. 16,637; Dec. 28.

Willson Products, Inc., Reading, Pa. Willson Sun Glasses For Driving, Sports and Beach Wear. For Sun Glasses for Driving, Sports and Beach Wear. 16,638; Dec. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay product, Especially prepared. Owl Truck & Materials Company. 353,246; Dec. 28; Serial No. 396,327; published Oct. 19, 1937.

Coal. C. H. Sprague & Son Company. 353,271; Dec. 28; Serial No. 396,616; published Oct. 19, 1937.

Leather. Agoos Leather Companies. 353,229; Dec. 28; Serial No. 396,112; published Oct. 19, 1937.

Leather. Monarch Leather Company. 353,177; Dec. 28; Serial No. 395,309; published Oct. 19, 1937.

Leather. Monarch Leather Company. 353,178–80; Dec. 28; Serial Nos. 395,311–13; published Oct. 19, 1937.

Leather. S. Shapiro. 353,168; Dec. 28; Serial No. 395,154; published Oct. 19, 1937.

Ore, Pulverized Iron. Processed Materials Corporation. 353,197; Dec. 28; Serial No. 395,626; published Oct. 19, 1937.

Seed, Cotton. B. F. Summerour Seed Company. 353,096; Dec. 28; Serial No. 388,040; published Oct. 19, 1937.

Weighting materials for oil well drilling fluids, muds, and suspensions. Kansas City Testing Laboratory. 353,161; Dec. 28; Serial No. 394,991; published Oct. 19, 1937.

CLASS 2

Receptacles with metal closures, Glass. Société Mantelet & Boucher. 353,149; Dec. 28; Serial No. 394,731; published Oct. 19, 1937.

Vessels, drums, and tanks, Pressure. M. W. Kellogg Company. 353,215; Dec. 28; Serial No. 395,864; published Oct. 19, 1937.

CLASS 4

Dressing for all machine belts. L. E. Berry. 353,317; Dec. 28.

Soaps. Colgate & Co. 120,955; renewed Mar. 19, 1938.

CLASS 6

Antidesiccant preparations. Dow Chemical Company. 353,276; Dec. 28; Serial No. 396,673; published Oct. 12, 1937.

Anti-freezing solution for radiators. H. W. Walter. 353,182; Dec. 28; Serial No. 395,365; published Oct. 19, 1937.

Balm intended to assist in the relief of nasal catarrh, etc. S. D. Clegg. 353,164; Dec. 28; Serial No. 395,020; published Oct. 12, 1937.

Chemicals, medicines, and pharmaceutical preparations. Dr. Madaus & Company. 353,313; Dec. 28.

Cosmetics. Société des Produits Scientifiques Beauté Vonna. 353,084; Dec. 28; Serial No. 379,851; published Oct. 12, 1937.

Dentifrice, Liquid. Flodent Products Co. 353,270; Dec. 28; Serial No. 396,603; published Oct. 12, 1937.

Dyes, bluing, and a preparation for removing colors from all fabrics and stains from white goods. North American Dye Corporation. 353,170; Dec. 28; Serial No. 395,200; published Oct. 12, 1937.

Eye drops. W. V. Buxton. 353,173; Dec. 28; Serial No. 395,273; published Oct. 12, 1937.

Incense. Hindu Incense Manufacturing Co. 353,227; Dec. 28; Serial No. 396,080; published Oct. 19, 1937.

Insecticide and fungicide. J. Cramer. 353,224; Dec. 28; Serial No. 396,027; published Oct. 19, 1937.

Insecticide for ants. R. H. Harkins. 353,194; Dec. 28; Serial No. 395,575; published Oct. 12, 1937.

Insecticides. Lewy Chemical Co. 353,087; Dec. 28; Serial No. 381,567; published Oct. 19, 1937.

Insecticides and fungicides. Sherwin-Williams Co. 353,267; Dec. 28; Serial No. 396,549; published Oct. 12, 1937.

Medicinal compounds. Maltine Company. 353,221; Dec. 28; Serial No. 396,000; published Oct. 19, 1937.

Medicinal preparation. Massicotte Import Company. 353,091; Dec. 28; Serial No. 385,484; published Feb. 23, 1937.

Medicinal preparation. G. W. Stewart. 353,219; Dec. 28; Serial No. 395,934; published Oct. 12, 1937.

Nail polish. Elizabeth Arden Inc. 353,193; Dec. 28; Serial No. 395,558; published Oct. 12, 1937.

Ointment. Eagle Chemical Company. 353,200; Dec. 28; Serial No. 395,661; published Oct. 12, 1937.

Perfume, skin perfume, face powder, etc. Pinaud Incorporated. 353,277; Dec. 28; Serial No. 396,693; published Oct. 12, 1937.

Photographic preparations and photographic chemicals. Fink-Roselieve Co. 353,209; Dec. 28; Serial No. 395,754; published Oct. 12, 1937.

Preparation for the treatment of certain named diseases. Fort Wayne Drug Company. 121,612; renewed May 14, 1938.

Preparation for treatment of gall bladder, bile duct and liver disturbances. Paul Plessner Company. 353,286; Dec. 28; Serial No. 396,833; published Oct. 19, 1937.

Preparation of giant sea plant (laminaria saccharina), Special. Nova-Kelp Company. 353,192; Dec. 28; Serial No. 395,535; published Oct. 12, 1937.

Shampoo preparations. John H. Breck, Inc. 353,163; Dec. 28; Serial No. 395,012; published Oct. 19, 1937.

Size, Paper. Hercules Powder Company. 353,196; Dec. 28; Serial No. 395,619; published Oct. 12, 1937.

Sourwood compound. Wm. S. Merrell Company. 353,264; Dec. 28; Serial No. 396,466; published Oct. 12, 1937.

CLASS 8

Pipes, cigar and cigarette holders, tobacco-pouches, etc. Kaufmann Bros. & Bondy. 120,584; renewed Feb. 19, 1938.

Pipes, pipe racks, and humidors. Mark Cross Company. 353,153; Dec. 28; Serial No. 394,774; published Oct. 19, 1937.

Pipes, pipe racks, tobacco pouches, and humidors. House of Bobbie, Inc. 353,117; Dec. 28; Serial No. 392,070; published Oct. 19, 1937.

CLASS 9

Explosives. E. I. du Pont de Nemours and Company. 353,274; Dec. 28; Serial No. 396,633; published Oct. 19, 1937.

CLASS 12

Asphalt emulsions. Barber Company. 353,249; Dec. 28; Serial No. 396,349; published Oct. 19, 1937.

Asphaltic emulsions, asphaltic compositions. American Bitumuls Company. 353,257; Dec. 28; Serial No. 396,437; published Oct. 12, 1937.

Board, thermal insulating board, composite board, etc., Fiber. Masonite Corporation. 353,146; Dec. 28; Serial No. 394,670; published Sept. 21, 1937.

Brick, Fire. Harbison-Walker Refractories Company. 353,278; Dec. 28; Serial No. 396,717; published Oct. 19, 1937.

Building materials. Porcelain Products Company. 353,109; Dec. 28; Serial No. 391,241; published Oct. 19, 1937.

Concrete bars, Reinforced. West Virginia Rail Company. 353,213; Dec. 28; Serial No. 395,850; published Oct. 12, 1937.

Insulating and fireproofing felt, Thermal and sound. Grant Wilson Incorporated. 353,122; Dec. 28; Serial No. 392,904; published Oct. 19, 1937.

Joists, precast floor slabs, precast roof slabs, Precast. Volcanic Products Corporation. 353,256; Dec. 28; Serial No. 396,428; published Oct. 19, 1937.

Material to be used as an ingredient for concrete, mortar, and the like. Master Builders Company. 353,184; Dec. 28; Serial No. 395,423; published Oct. 12, 1937.

Plastic bituminous composition for general waterproofing purposes, etc. Walles Dove-Herriston Corporation. 353,188; Dec. 28; Serial No. 395,465; published Oct. 5, 1937.

Plywood for use in concrete forms. M and M Wood Working Company. 353,090; Dec. 28; Serial No. 384,943; published June 29, 1937.

Rock wool products for insulation purposes. Masonite Corporation. 353,187; Dec. 28; Serial No. 395,454; published Oct. 5, 1937.

Strips, Metallic edge and cove. B. & T. Floor Company. 353,083; Dec. 28; Serial No. 379,663; published Oct. 19, 1937.

Tile, cell-concrete insulation, insulating pipe casing units, Cellular. American District Steam Company. 353,147; Dec. 28; Serial No. 394,690; published Oct. 19, 1937.

Wall surfacing units. Celotex Corporation. 353,183; Dec. 28; Serial No. 395,378; published Oct. 12, 1937.

Wood bending. E. W. Ellis Lumber Company. 121,278; renewed Apr. 23, 1938.

CLASS 13

Hollow-ware of stainless steel. International Silver Company. 353,137; Dec. 28; Serial No. 394,086; published Oct. 19, 1937.

Sprinklers and spray nozzles, Rotary. E. C. Brickhill. 353,175; Dec. 28; Serial No. 395,289; published Oct. 19, 1937.

Staples and staple strips, Wire machine. E. H. Hotchkiss Company. 353,204; Dec. 28; Serial No. 395,713; published Oct. 19, 1937.

Staples and staple strips, Wire machine. E. H. Hotchkiss Company. 353,205–6; Dec. 28; Serial Nos. 395,715–6; published Oct. 19, 1937.

Traps for liquid fuel lines, Vapor relief. A. V. Mitterer. 353,135; Dec. 28; Serial No. 394,045; published Oct. 19, 1937.

Traps, Liquid fuel line vapor. A. V. Mitterer. 353,151; Dec. 28; Serial No. 394,751; published Oct. 19, 1937.

CLASS 16

Paint, Ready mixed. Beatrice Creamery Company. 353,222; Dec. 28; Serial No. 396,021; published Oct. 19, 1937.

Paints, paint thinners, primers, etc., Ready mixed. American Chemical Paint Company. 353,202; Dec. 28; Serial No. 395,693; published Oct. 19, 1937.

Paints, Ready mixed. Cook Paint & Varnish Company. 353,259–63; Dec. 28; Serial Nos. 396,449–53; published Oct. 19, 1937.

Primers, grain raising inhibitors, paste and liquid paints, etc. I. F. Laucks, Inc. 353,292; Dec. 28; Serial No. 397,193; published Oct. 19, 1937.

Varnish, Spar. Fulghum & Company. 353,167; Dec. 28; Serial No. 395,146; published Oct. 19, 1937.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 353,310; Dec. 28.

Cigarettes. Liggett & Myers Tobacco Company. 353,243; Dec. 28; Serial No. 396,319; published Oct. 19, 1937.

Cigarettes and pipe tobacco. Charles B. Perkins Company. 353,275; Dec. 28; Serial No. 396,646; published Oct. 19, 1937.

Cigars. B. Carlson. 353,226; Dec. 28; Serial No. 396,065; published Oct. 19, 1937.

CLASS 19

Motorboats, speed boats, hydroplanes, and the hulls thereof. Horace E. Dodge Boat & Plane Corporation. 353,077; Dec. 28; Serial No. 350,018; published Oct. 19, 1937.

Vehicle bodies, Demountable. G. W. Stetson. 353,185; Dec. 28; Serial No. 395,435; published Oct. 19, 1937.

CLASS 21

Electric traffic signals, control equipment therefor, and parts thereof. Horni Signal Manufacturing Corporation. 353,138; Dec. 28; Serial No. 394,284; published Oct. 19, 1937.

Electrical apparatus. General Motors Corporation. 353,097; Dec. 28; Serial No. 388,496; published Oct. 19, 1937.

Electrical fixtures. W. P. Herman. 353,114; Dec. 28; Serial No. 391,475; published Oct. 19, 1937.

Electrical fixtures and fittings, Watertight and vapor proof. Pauluhn Electric M'f'g. Co. Inc. 353,092; Dec. 28; Serial No. 385,858; published Oct. 19, 1937.

Generators, motors, dynamotors, etc. Pioneer Gen-E-Motor Corporation. 353,098; Dec. 28; Serial No. 388,592; published Oct. 19, 1937.

Machines for frying hamburgers etc., and parts thereof, Electrically heated. Roto-Way Corporation. 353,152; Dec. 28; Serial No. 394,759; published Oct. 19, 1937.

Signs, Neon vehicle. E. E. Souther Iron Company. 353,191; Dec. 28; Serial No. 395,505; published Oct. 19, 1937.

CLASS 22

Cards, Playing. United States Playing Card Company. 353,299; Dec. 28; Serial No. 397,393; published Nov. 2, 1937.

Game. Derby Games Company. 353,273; Dec. 28; Serial No. 396,632; published Oct. 19, 1937.

Game of baseball using movable pieces, Indoor. O. E. Seibel. 353,218; Dec. 28; Serial No. 395,932; published Oct. 19, 1937.

Golf clubs. Kroydon Co. Inc. 353,270; Dec. 28; Serial No. 396,720; published Oct. 19, 1937.

Spin wheel, Portable stage-type. M. Berick. 353,094; Dec. 28; Serial No. 386,979; published Oct. 19, 1937.

Sports equipment. Water. Winner Manufacturing Co. 353,242; Dec. 28; Serial No. 396,288; published Oct. 19, 1937.

Swimming or bothing devices simulating the form of an animal. United States Rubber Products, Inc. 353,293–7; Dec. 28; Serial No. 397,312–6; published Oct. 19, 1937.

Velocipedes. Junior Toy Corporation. 353,107; Dec. 28; Serial No. 390,790; published May 25, 1937.

CLASS 23

Compressors. Ed. Friedrich, Incorporated. 353,085; Dec. 28. Serial No. 381,030; published Oct. 19, 1937.

Grass cutting and trimming implement. Union Fork & Hoe Company. 353,304; Dec. 28.

Handles, grease hose control handles, booster attachments, etc., Machine. Cincinnati Ball Crank Co. 353,110; Dec. 28; Serial No. 391,265; published Oct. 19, 1937.

Machines for making hosiery and parts thereof. Paul Lieberknecht G. m. b. H. 353,118; Dec. 28; Serial No. 392,100; published Oct. 19, 1937.

Pistons for pumps. MacClatchie Manufacturing Company of California. 353,321; Dec. 28.

Razor blades. Essex Razor Blade Corporation. 353,079; Dec. 28; Serial No. 368,219; published Feb. 9, 1937.

Razors and razor blades. International Safety Razor Corp. 353,309; Dec. 28.

Sewing machines. Union Special Machine Company. 353,208; Dec. 28; Serial No. 395,741; published Oct. 19, 1937.

Sweepers, Carpet. Modern Carpet Sweeper Co. 353,155; Dec. 28; Serial No. 394,951; published Oct. 19, 1937.

CLASS 24

Washing machines, laundry wringers and water extraction devices, etc., Laundry. Barlow & Seelig Mfg. Co. 353,189–90; Dec. 28; Serial Nos. 395,469–70; published Oct. 19, 1937.

CLASS 26

Cameras, stripping cabinets, etching machines, etc., Strip-film. Chemco Photoproducts Company. 353,142; Dec. 28; Serial No. 394,398; published Oct. 19, 1937.

Films, Motion picture. Hearst Metrotone News, Inc. 353,311; Dec. 28.

Optical goods, instruments, and machines. J. H. Runge. 353,130; Dec. 28; Serial No. 393,874; published Oct. 19, 1937.

CLASS 27

Watches. Marshall Field & Company. 119,746; renewed Dec. 11, 1937.

CLASS 29

Brushes, Toilet. R. G. Henry. 353,281; Dec. 28; Serial No. 396,738; published Oct. 19, 1937.

Mops. Midway Chemical Company. 353,099; Dec. 28; Serial No. 388,653; published Oct. 19, 1937.

Tooth brushes. S. H. Kress and Company. 353,282–3; Dec. 28; Serial No. 396,775–6; published Oct. 19, 1937.

CLASS 31

Cases containing cooling or refrigerating units and refrigerators, Display. Winter Air Products Corporation. 353,228; Dec. 28; Serial No. 396,096; published Oct. 19, 1937.

Refrigerators, Electrical. Barlow & Seelig Mfg. Co. 353,284–5; Dec. 28; Serial Nos. 396,799–800; published Oct. 19, 1937.

CLASS 32

Bedroom suites, dining room suites, etc. Ludwig Baumann & Company. 353,095; Dec. 28; Serial No. 387,020; published Oct. 19, 1937.

Bookcases, filing-cabinets, filing-cases, and office-cabinets. Globe-Wernicke Company. 121,180; renewed Apr. 16, 1938.

Cabinets, drawers, and parts thereof, File. Remington Rand Inc. 353,102; Dec. 28; Serial No. 389,100; published Oct. 19, 1937.

Furniture, Metal. Royal Metal Manufacturing Company. 353,100; Dec. 28; Serial No. 388,802; published Oct. 19, 1937.

CLASS 34

Air conditioning and ventilation units and parts thereof. Anemostat Corporation of America. 353,171–2; Dec. 28; Serial Nos. 395,257–8; published Oct. 19, 1937.

Burners, Oil. Bailey & Grant, Inc. 353,082; Dec. 28; Serial No. 373,015; published Apr. 14, 1936.

Wicks, Oil burner. J. R. Hanslip. 353,181; Dec. 28; Serial No. 395,344; published Oct. 19, 1937.

CLASS 35

Rubber in strip form. Oliver Tire & Rubber Company. 353,308; Dec. 28.

Tires and inner tubes, Automobile rubber. United States Rubber Products, Inc. 353,220; Dec. 28; Serial No. 395,971; published Oct. 19, 1937.

Tires, Rubber. Delco Tire Corp. 353,086; Dec. 28; Serial No. 381,192; published Oct. 19, 1937.

CLASS 36

Musical instruments, and parts thereof, amplifiers for same, etc., Electric stringed. Epiphone, Inc. 353,133; Dec. 28; Serial No. 393,978; published Oct. 19, 1937.

CLASS 37

Binder cover for loose sheets. Amberg File & Index Company. 353,150; Dec. 28; Serial No. 394,738; published Oct. 19, 1937.

Crayons, Artists'. Binney & Smith Co. 121,394; renewed Apr. 30, 1928.

Letterheads. E. B. Ward. 353,300; Dec. 28.

Paper, Bond, ledger, document and index. American Paper Exports, Inc. 353,315; Dec. 28.

Paper, paperboard, and layerboard, Grease-resisting. Gardner-Richardson Company. 353,089; Dec. 28; Serial No. 382,412; published Oct. 19, 1937.

Paper, Writing and printing. American Writing Paper Corporation. 353,240; Dec. 28; Serial No. 396,254; published Oct. 19, 1937.

Papers, cardboard, and envelopes. Schlosser Paper Corporation. 353,145; Dec. 28; Serial No. 394,638; published Oct. 19, 1937.

Pencils, Lead. Joseph Dixon Crucible Company. 119,675–7; renewed Dec. 11, 1937.

Pencils, penholders, rubber bands, etc., Lead and colored. Eberhard Faber Pencil Company. 353,132; Dec. 28; Serial No. 393,977; published Oct. 19, 1937.

Tissue, Toilet. Austin, Nichols & Co. 353,319; Dec. 28.

Tissues, Facial. Sitroux Company. 353,265; Dec. 28; Serial No. 396,475; published Oct. 19, 1937.

Wrappers, Candy. Bennington Wax Paper Company. 353,125; Dec. 28; Serial No. 393,058; published Oct. 19, 1937.

Wrapping material for cigars. Reynolds Metals Company. 353,144; Dec. 28; Serial No. 394,552; published Oct. 19, 1937.

CLASS 38

Articles, Periodical. H. S. Moorhead. 353,127; Dec. 28; Serial No. 393,389; published Oct. 19, 1937.

Book. W. C. Doerler & Sons. 353,136; Dec. 28; Serial No. 394,078; published Oct. 12, 1937.

Circulars and monthly compilations of advertising in book form. Van Tine Features Syndicate, Inc. 353,268; Dec. 28; Serial No. 396,553; published Oct. 19, 1937.

Journal, Nightingale Press, Inc. 353,210; Dec. 28; Serial No. 395,765; published Oct. 12, 1937.

Magazine. Fawcett Publications, Inc. 353,111–3; Dec. 28; Serial Nos. 391,270–2; published Oct. 19, 1937.

Magazine. Haig-Kostka Publications, Inc. 353,234; Dec. 28; Serial No. 396,190; published Oct. 19, 1937.

Magazine. I. M. Leavitt. 353,239; Dec. 28; Serial No. 396,252; published Oct. 19, 1937.

Magazine, House. Chas. F. Kellom & Co. 353,093; Dec. 28; Serial No. 386,061; published Oct. 19, 1937.

Magazines. Microfilm Publishing Corporation. 353,216; Dec. 28; Serial No. 395,873; published Oct. 19, 1937.

Newspaper strips and cartoons. F. V. Martinek. 353,105; Dec. 28; Serial No. 389,927; published Oct. 19, 1937.

Newspaper, Newspaperman's. Editor & Publisher Company. 353,131; Dec. 28; Serial No. 393,930; published Oct. 12, 1937.

Newspapers. Bank of America National Trust and Savings Association. 353,186; Dec. 28; Serial No. 395,443; published Oct. 12, 1937.

Periodical. National Broadcasting Company. 353,154; Dec. 28; Serial No. 394,855; published Oct. 12, 1937.

Photographic section of The Philadelphia Inquirer. Philadelphia Inquirer Company. 353,143; Dec. 28; Serial No. 394,443; published Sept. 14, 1937.

Picture section of a newspaper. Register & Tribune Company. 353,141; Dec. 28; Serial No. 394,384; published Oct. 12, 1937.

Publication, Monthly. Walter J. Black, Inc. 353,162; Dec. 28; Serial No. 395,010; published Oct. 19, 1937.

Publication, Periodical. Trojan Publishing Corp. 353,121; Dec. 28; Serial No. 392,821; published Oct. 19, 1937.

Publications. W. D. McAdams. 353,244–5; Dec. 28; Serial Nos. 396,321–2; published Oct. 19, 1937.

Sections of periodical publications. United States News Publishing Corporation. 353,236; Dec. 28; Serial No. 396,213; published Oct. 19, 1937.

Sheet music. D. L. O'Sullivan. 353,230; Dec. 28; Serial No. 396,152; published Oct. 12, 1937.

Tickets, Perforated theater. R. A. Mallon. 353,088; Dec. 28; Serial No. 381,569; published Oct. 12, 1937.

CLASS 39

Cloaks and suits, Women's and misses'. Forsch-Benjamin Company. 353,320; Dec. 28.

Clothing, Summer. A. Solomon. 353,322; Dec. 28.

Coat fronts. Universal Coat Front Co. 353,207; Dec. 28; Serial No. 395,725; published Oct. 19, 1937.
Corsets, girdles, and combination corsets and brassières. H. W. Gossard Co. 353,254; Dec. 28; Serial No. 396,400; published Oct. 19, 1937.
Dresses. G. W. Eade and Company. 353,232; Dec. 28; Serial No. 396,185; published Oct. 19, 1937.
Dresses, Junior misses'. Forest City Manufacturing Company. 353,306; Dec. 28.
Dresses, Street. Carafiol-Silverman Company. 353,312; Dec. 28.
Hats, Women's and misses'. Charles Landsburg Co. 353,303; Dec. 28.
Hosiery. Bon Marche Dry Goods Company. 353,268; Dec. 28; Serial No. 396,442; published Oct. 19, 1937.
Pajamas, blouses, nightgowns, etc. Michael Berkowitz Company. 353,199; Dec. 28; Serial No. 395,659; published Oct. 19, 1937.
Petticoats, pajamas, step-ins, etc. Holland-Hessol Co. Inc. 353,298; Dec. 28; Serial No. 393,536; published Aug. 10, 1937.
Shirts, Dress and sport. Marlboro Shirt Co. Inc. 353,225; Dec. 28; Serial No. 396,040; published Oct. 19, 1937.
Shirts, Men's and boys'. Carson Pirie Scott & Company. 353,314; Dec. 28.
Shoes, Leather. Marshall Field & Company. 119,905; renewed Dec. 18, 1937.
Shoes, slippers, and sandals. Erwin Shoe Co. 353,128; Dec. 28; Serial No. 393,532; published Sept. 21, 1937.
Smocks. Boulevard Frocks, Incorporated. 353,165; Dec. 28; Serial No. 395,061; published Oct. 19, 1937.
Suits, coats, and overcoats. Fife and Aronofsky. 353,307; Dec. 28.
Suits, topcoats, and overcoats. Bloch Company. 353,139; Dec. 28; Serial No. 394,362; published Oct. 19, 1937.
Suits, top-coats, overcoats, etc. Dvorkin & Okun Company. 353,318; Dec. 28.

CLASS 42

Cotton fabrics in the piece, Woven. G. A. Stafford. 121,829; renewed May 28, 1938.
Fabric, Woven. Wortendyke Manufacturing Company. 353,289; Dec. 28; Serial No. 396,943; published Oct. 19, 1937.
Fabrics. Liberty & Co. Limited. 120,598; renewed Feb. 19, 1938.
Fabrics, Knitted textile. Princeton, Incorporated. 353,288; Dec. 28; Serial No. 396,931; published Oct. 19, 1937.
Piece goods of cotton and rayon. Brand & Oppenheimer, Inc. 353,241; Dec. 28; Serial No. 396,259; published Oct. 19, 1937.
Silk piece goods, Lingerie. Empire Piece Dyeing and Finishing Company. 353,203; Dec. 28; Serial No. 395,704; published Oct. 19, 1937.
Woolen piece goods. Lees-Gilbert Corporation. 353,287; Dec. 28; Serial No. 396,880; published Oct. 19, 1937.
Woolen, worsted, linen, etc., piece goods. Herbert R. Leeds & Co. 353,240; Dec. 28; Serial No. 396,903; published Oct. 19, 1937.

CLASS 44

Sanitary napkins. International Cellucotton Products Company. 353,310; Dec. 28.

CLASS 45

Beverages and sirups and extracts for making the same. C. A. Peeler. 353,291; Dec. 28; Serial No. 397,149; published Oct. 19, 1937.
Beverages and syrups and extracts for making same. American National Drinks, Inc. 353,269; Dec. 28; Serial No. 396,589; published Oct. 19, 1937.
Beverages and syrups used in the preparation of same. Union Bottling Company. 353,104; Dec. 28; Serial No. 389,664; published Oct. 19, 1937.
Fruit juices for beverage purposes. R. J. Wingfield. 353,237; Dec. 28; Serial No. 396,217; published Oct. 19, 1937.

CLASS 46

Candy. Hawley & Hoops. 353,247–8; Dec. 28; Serial Nos. 396,340–1; published Oct. 19, 1937.
Candy. Meadors Manufacturing Company. 353,280; Dec. 28; Serial No. 396,722; published Oct. 19, 1937.
Canned and glass packages of vegetables, vegetable juices, fruits, etc. Charles & Co. 353,119; Dec. 28; Serial No. 392,254; published Oct. 19, 1937.
Canned fresh blackeyed peas, tea, vanilla extract, etc. Waples Platter Company. 353,123; Dec. 28; Serial No. 392,943; published Oct. 19, 1937.
Coffee. E. Brondi. 120,162; renewed Jan. 15, 1938.
Coffee. Eppens, Smith Company. 353,101; Dec. 28; Serial No. 389,057; published Oct. 19, 1937.
Coffee. John H. Wilkins Company. 353,080; Dec. 28; Serial No. 368,872; published Mar. 23, 1937.
Coffee and tea. McCord-Stewart Company. 353,081; Dec. 28; Serial No. 369,707; published Nov. 26, 1935.
Confections. Bonomo Candy & Nut Corp. 353,223; Dec. 28; Serial No. 396,022; published Oct. 19, 1937.
Cookies. George Weston, Limited. 353,251; Dec. 28; Serial No. 396,379; published Oct. 19, 1937.
Corn flakes. Albers Bros. Milling Co. 353,211–12; Dec. 28; Serial Nos. 395,803–4 published Oct. 19, 1937.
Flour, Wheat. Colorado Milling & Elevator Co. 120,843; renewed Mar. 12, 1938.
Flour, Wheat. Colorado Milling & Elevator Co. 121,266; renewed Apr. 23, 1938.
Flour, Wheat. Hacker Flour Mills. 353,233; Dec. 28; Serial No. 396,189; published Oct. 19, 1937.
Flours. Aunt Jemima Mills Company. 120,159–60; renewed Jan. 15, 1938.
Food, Dog and cat. M. Brown. 353,252–3; Dec. 28; Serial Nos. 396,385–6; published Oct. 19, 1937.
Fruits, Dried. California Associated Raisin Co. 121,400; renewed Apr. 30, 1938.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Assn. 353,272; Dec. 28; Serial No. 396,629; published Oct. 19, 1937.
Fruits, Fresh citrus. L. A. Citrus Distributors. 353,235; Dec. 28; Serial No. 396,194; published Oct. 19, 1937.
Fruits, Fresh citrus. J. J. Lynn. 353,255; Dec. 28; Serial No. 396,414; published Oct. 19, 1937.
Fruits, Fresh citrus. Dr. P. Phillips Company. 353,134; Dec. 28; Serial No. 394,003; published Oct. 19, 1937.
Grapes, Fresh. M. D. Hopper. 353,323; Dec. 28.
Grapes, Semi-dehydrated. International Grape Products Co. 353,176; Dec. 28; Serial No. 395,297; published Oct. 19, 1937.
Gum, Chewing. International Chewing Gum Company. 353,250; Dec. 28; Serial No. 396,365; published Oct. 19, 1937.
Hams. John Morrell & Co. 353,166; Dec. 28; Serial No. 395,075; published Oct. 19, 1937.
Lemons. Tustin Lemon Association. 121,361; renewed Apr. 23, 1937.
Macaroni, olive oil, canned vegetables, etc. A. Farinella & Company. 353,078; Dec. 28; Serial No. 367,463; published Oct. 19, 1937.
Mustard. R. T. Frauch Company. 353,301; Dec. 28.
Nuts. L. Demartini Co. 353,115; Dec. 28; Serial No. 391,627; published Oct. 19, 1937.
Pop corn. American Pop Corn Company. 353,198; Dec. 28; Serial No. 395,633; published Oct. 19, 1937.
Poultry, Dressed. Kosher Foods, Inc. 353,126; Dec. 28; Serial No. 393,287; published Oct. 19, 1937.
Powder to be mixed with water and meat in making chili con carne. Gebhardt Chili Powder Co. 353,305; Dec. 28.
Sugar, spices, and seasonings. Société Mantelet & Boucher. 353,148; Dec. 28; Serial No. 394,730; published Oct. 19, 1937.
Tea, apple butter, and vinegar, etc. Waples Platter Company. 353,124; Dec. 28; Serial No. 392,944; published Oct. 19, 1937.
Vegetables, Fresh. Premier Produce Company. 353,302; Dec. 28.

CLASS 47

Sherry, Amontillado. Hearn Department Stores, Inc. 353,158; Dec. 28; Serial No. 394,988; published Oct. 19, 1937.
Sherry, Cocktail. Hearn Department Stores, Inc. 353,156; Dec. 28; Serial No. 394,986; published Oct. 19, 1937.
Sherry, Dinner. Hearn Department Stores, Inc. 353,160; Dec. 28; Serial No. 394,990; published Oct. 19, 1937.
Sherry, Nutty solera. Hearn Department Stores, Inc. 353,157; Dec. 28; Serial No. 394,987; published Oct. 19, 1937.
Sherry, Pale. Hearn Department Stores, Inc. 353,159; Dec. 28; Serial No. 394,989; published Oct. 19, 1937.
Wine. Ballif Distributing Company. 353,103; Dec. 28; Serial No. 389,597; published Oct. 19, 1937.
Wine. Ballif Distributing Company. 353,106; Dec. 28; Serial No. 389,974; published Oct. 19, 1937.
Wines. G. Fava Fruit Company. 353,169; Dec. 28; Serial No. 395,161; published Oct. 19, 1937.
Wines. Gambarelli & Davitto. 353,120; Dec. 28; Serial No. 392,424; published Oct. 19, 1937.
Wines. Rovina Wein-Import-Bund G. m. b. H. & Co. Kommanditgesellschaft. 353,116; Dec. 28; Serial No. 391,929; published Oct. 19, 1937.
Wines, Champagne. Champagne Ernest Irroy, Maison Fondée en 1820, Société Anonyme. 353,174; Dec. 28; Serial No. 395,275; published Oct. 19, 1937.

CLASS 48

Hop extract. L. D. Wood. 353,238; Dec. 28; Serial No. 396,218; published Oct. 19, 1937.
Malt beverages and beer. Fontenelle Brewing Company. 353,140; Dec. 28; Serial No. 394,363; published Oct. 19, 1937.

CLASS 49

Brandy. Central States Distributors, Inc. 353,108; Dec. 28; Serial No. 391,173; published Oct. 19, 1937.
Gin and Old Tom Gin, Dry. Gordon's Dry Gin Company. 120,024; renewed Jan. 1, 1938.
Rum. National Liquor Co. 353,195; Dec. 28; Serial No. 395,587; published Oct. 19, 1937.
Whisky. James Buchanan & Co. Limited. 120,069; renewed Jan. 8, 1938.
Whisky. James Buchanan & Co. Limited. 120,826; renewed Mar. 12, 1938.

CLASS 50

Coated fabrics. Atlas Powder Company. 353,266; Dec. 28; Serial No. 396,486; published Oct. 19, 1937.
Lasts, Shoe. United Shoe Machinery Corporation. 353,201; Dec. 28; Serial No. 395,690; published Oct. 19, 1937.
Sheet material. Burgess Battery Company. 353,217; Dec. 28; Serial No. 395,897; published Oct. 19, 1937.
Vegetable fiber material, Needled felted. Columbian Rope Company. 353,214; Dec. 28; Serial No. 395,855; published Oct. 19, 1937.
Waterproof fabrics and raincoat materials. Cooley, Incorporated. 353,129; Dec. 28; Serial No. 393,798; published Oct. 19, 1937.

LIST OF LABELS

B. & B. Cold Capsules. For Cold Capsules. L. Burnstein. 50,515; Dec. 28.
Bruton Ale. For Ale. Bruton Brewing Co. 50,514; Dec. 28.
Chocolate Flavored Ovaltine. For a Food Beverage. Wander Company. 50,527; Dec. 28.
Foampowder. For Antiseptic Powder. Foampowder. 50,519; Dec. 28.
Gloria Hair Net. For Hair Nets. W. Finkelstein. 50,516; Dec. 28.
Hair Net. For Hair Nets. W. Finkelstein. 50,517; Dec. 28.
Kooltex. For Rugs. Kooltex Rug Co. 50,520; Dec. 28.
Old Fashioned New England Oven Baked Beans. For Baked Beans. Maine Canned Foods, Inc. 50,521; Dec. 28.
Oven Reddy. For Milk Fed Chicken. Perry Bros. 50,523; Dec. 28.
Pennant Syrup. For Syrup. Union Starch and Refining Company. 50,525; Dec. 28.
Pennant Syrup. For Syrups. Union Starch and Refining Company. 50,526; Dec. 28.
Prinz Bread. For Bread. Prinz Baking Co. Inc. 50,524; Dec. 28.
Royal Esquire. For Cosmetics. W. Wolf. 50,529; Dec. 28.
Sandra Jean. For Cosmetics. W. Wolf. 50,528; Dec. 28.
Selected Celery. For Celery. Boston Beauty & High-Grade Celery Co. 50,513; Dec. 28.
The Difference is in the Quality. For Smoking and Twist Tobacco. W. S. Mathews & Sons, Incorporated. 50,522; Dec. 28.
The Perfect Human Hair Net. For Hair Nets. W. Finkelstein. 50,518; Dec. 28.
Union Made Gloves. For Gloves. Amalgamated Clothing Workers of America. 50,512; Dec. 28.

LIST OF PRINTS

Baby's First Solid Food must be Perfectly Digestible! For Wheat Breakfast Food. Cream of Wheat Corporation. 16,632; Dec. 28.
Black and White. For Neckties. Keys & Lockwood. 16,633; Dec. 28.
Get along Doggie. For Hot Dogs. R. Miller. 16,634; Dec. 28.
Sno Kist. For Holiday Wreaths. K. C. Shotwell. 16,635; Dec. 28.
Three Epochal Years. For Vitamin Products. U. S. Vitamin Corporation. 16,636; Dec. 28.
Willson Sun Glasses. For Sun Glasses. Willson Products, Inc. 16,637; Dec. 28.
Willson Sun Glasses for Driving, Sports and Beach Wear. For Sun Glasses for Driving, Sports and Beach Wear. Willson Products, Inc. 16,638; Dec. 28.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Lakes Paper Company. (See Seaborne, Charles R., assignor.)

Beamish, H. Luella. (See Gates, Benjamin L., assignor.)

Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)

Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 20,609; Dec. 28.

Gates, Benjamin L., assignor of one-half to H. L. Beamish, Spokane, Wash. Refrigerating system and control mechanism therefor. 20,603; Dec. 28.

Haldeman, James F., Martinsville, Ind. Submersible pump and electric motor unit. 20,604; Dec. 28.

Koehler, Charles H., Oak Park, Ill. Electrical contact device. 20,608; Dec. 28.

Osterstrom, Rudolph C., Kenilworth, and C. R. Wagner, assignors to The Pure Oil Company, Chicago, Ill. Treating cracked petroleum distillates. 20,605; Dec. 28.

Pure Oil Company, The. (See Osterstrom, R. C., and Wagner, assignors.)

Seaborne, Charles R., Appleton, Wis., assignor, by mesne assignments, to American Lakes Paper Company, Waukegan, Ill. Paper making machine. 20,606; Dec. 28.

Tomec, John, Trenton, N. J. Building material. 20,607; Dec. 28.

Wagner, Cary R. (See Osterstrom, R. C., and Wagner.)

LIST OF PLANT PATENTEES

Zeparo, Rocco, Arlington, Mass. Begonia. 265; Dec. 28.

LIST OF DESIGN PATENTEES

Adlake Company, The. (See Stewart, Lemuel L., assignor.)

Allen, Joseph C., Birmingham, Ala. Coin operated billiard table. 107,671; Dec. 28.

Artcrest Manufacturing Co. (See Price, Milton, assignor.)

Austin, Virginia S., Los Angeles, Calif. Doll or similar article. 107,672; Dec. 28.

Baker & Company. (See Kiepe, Henry R., assignor.)

Barrett, Bertha T., Brooklyn, and E. Johnson, New York, N. Y. Clip. 107,636; Dec. 28.

Bay State Optical Company. (See Nerney, George E., assignor.)

Becvar, Joseph, Wickliffe, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Gas range. 107,673; Dec. 28.

Bell, Fred. (See Wadsworth, S. C., and Bell.)

Belmont Radio Corporation. (See Marholz, Richard C., assignor.)

Bottome, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Goblet or similar article. 107,637; Dec. 28.

Bromagem, Irl R., assignor to Union City Body Company, Union City, Ind. Sheet metal chair back. 107,638; Dec. 28.

Campbell, Alice, New York, N. Y. Display stand. 107,639; Dec. 28.

Carr-Lowrey Glass Co. (See Lloyd, Philip G., assignor.)

Castricone, John A., Peoria, Ill. Ironing machine cabinet. 107,674; Dec. 28.

Cleveland Cooperative Stove Company, The. (See Becvar, Joseph, assignor.)

Coleman, Tora, New York, N. Y. Dress ensemble. 107,675; Dec. 28.

Coleman, Tora, New York, N. Y. Dress. 107,712; Dec. 28.

Columbus Metal Products Inc. (See Donley, Harold B., assignor.)

Comolli, Sylvia, New York, N. Y. Dress. 107,713; Dec. 28.

Condor Products, Inc. (See Govan, William, assignor.)

Cook, Robert S., Fayetteville, N. Y. Slipper or similar article. 107,676; Dec. 28.

Davis, Kenneth F., and J. J. Josephs, assignors to The Sikes Company, Inc., Buffalo, N. Y. Office chair. 107,677; Dec. 28.

De Quinzio, James, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Eraser holding tip for pencils. 107,640; Dec. 28.

De Vilbiss Company, The. (See Vuillemenot, Robert P., assignor.)

Dixon, Joseph, Crucible Company. (See De Quinzio, James, assignor.)

Doll, John L., and C. W. Rogers, assignors to Syncro Devices, Incorporated, Detroit, Mich. Internal Combustion engine. 107,641; Dec. 28.

Donley, Harold B., assignor to Columbus Metal Products Inc., Columbus, Ohio. Signal lamp unit. 107,678; Dec. 28.

Fazekas, Anton, San Francisco, Calif. Switch plate. 107,642; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,714; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,716; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,717; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,718; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,719; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,720; Dec. 28.

Felmann, Henri, Chicago, Ill. Handbag. 107,721; Dec. 28.

Fenaroli, Louise, Astoria, Long Island, N. Y. Dress. 107,722; Dec. 28.

Ford Motor Company. (See Gregorie, Eugene T., assignor.)

Fostoria Glass Company. (See Bottome, Edgar M., assignor.)

Frank, Jack, New York, N. Y. Dress. 107,679; Dec. 28.

Fruehauf Trailer Company. (See Reid, Frederick M., assignor.)

Goldsmith, Samuel R., New York, N. Y. Handbag. 107,680; Dec. 28.

Gorham Manufacturing Company. (See Price, James R., assignor.)

Govan, William, assignor to Condor Products, Inc., Buffalo, N. Y. Garter. 107,643; Dec. 28.

Greenman, Jack, New York, N. Y. Dress. 107,681; Dec. 28.

Gregorie, Eugene T., Plymouth, assignor to Ford Motor Company, Dearborn, Mich. Automobile. 107,644; Dec. 28.

Grigg, Arthur F., Metuchen, and J. E. Zeller, Montclair, N. J. Automotive radiator sealing and pressure relief valve or the like. 107,682; Dec. 28.

Guarine, Evangeline, assignor, by mesne assignments, to Semaria Bros., Inc., New York, N. Y. Textile fabric. 107,645; Dec. 28.

Hauser, George D., assignor to Utica Products Incorporated, Utica, N. Y. Casing for furnaces or the like. 107,683; Dec. 28.

Herrera, Joseph J., Jr., Los Angeles, Calif. Combination lamp, shade, and radio. 107,646; Dec. 28.

Herrera, Joseph J., Jr., Los Angeles, Calif. Combined twin bed radio and lamp. 107,647; Dec. 28.

Hexcel Radiator Company. (See Zummach, John G., assignor.)

Holmes, T. J., Company. (See Lohse, Frederick W., assignor.)

Hotstream Heater Company, The. (See Morrow, Clarence H., assignor.)

Johnson, Elizabeth. (See Barrett, B. T., and Johnson.)

Johnson Nut Company. (See Petzke, Franklin J., assignor.)

Josephs, John J. (See Davis, K. F., and Josephs.)

Kaplan, Julius, et al. (See Saftlas, Samuel, assignor.)

Kaplan, Selig, et al. (See Saftlas, Samuel, assignor.)

Katz, Adolph, New York, N. Y. Brooch pin. 107,648; Dec. 28.

Kiepe, Henry R., assignor to Baker & Company, Inc., Newark, N. J. Jewelry setting or similar article. 107,649; Dec. 28.
Kiepe, Henry R., assignor to Baker & Company, Inc., Newark, N. J. Jewelry setting or similar article. 107,650; Dec. 28.
Klein, Adolph H., New York, N. Y. Textile fabric. 107,651; Dec. 28.
Krueger, Elmer E., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill. Balloon. 107,684; Dec. 28.
Lee-Tex Rubber Products Corporation. (See Krueger, Elmer E., assignor.)
Leone, Henry, New Dorp, N. Y. Duplex house-coat. 107,723; Dec. 28.
Lewis, David, assignor to Helena Rubinstein Inc., New York, N. Y. Handbag. 107,685; Dec. 28.
Lichter, Julius, Lawrence, N. Y. Button. 107,686; Dec. 28.
Lipschutz, Joseph, and H. C. Ruger, Brooklyn, N. Y. Combined watch and mirror with holder therefor. 107,687; Dec. 28.
Lloyd, Philip G., Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle or similar article. 107,688; Dec. 28.
Lloyd, Philip G., Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Jar or similar article. 107,689; Dec. 28.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,690; Dec. 28.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,691; Dec. 28.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,692; Dec. 28.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,693; Dec. 28.
Lohse, Frederick W., Attleboro, assignor to T. J. Holmes Company, Inc., Norton, Mass. Atomizer. 107,694; Dec. 28.
Luders, Alfred E., Stamford, Conn. Boat hull. 107,724; Dec. 28.
Majewski, Joseph M., Jr., assignor to F. L. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Juice extractor. 107,652; Dec. 28.
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for radio receivers. 107,653; Dec. 28.
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Combined escutcheon plate and crystal for a dial for a radio receiver. 107,654; Dec. 28.
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for a lever tuning device for a radio receiver. 107,655; Dec. 28.
Marshall Field & Company. (See Mey, Marcel, assignor.)
Massachusetts Mohair Plush Company. (See McDonald, Sterling B., assignor.)
McDonald, Sterling B., Chicago, Ill., assignor to Massachusetts Mohair Plush Company, Boston, Mass. Textile fabric. 107,656; Dec. 28.
Messina, Sally, New York, N. Y. Dress ensemble. 107,725; Dec. 28.
Mey, Marcel, Paris, France, assignor to Marshall Field & Company, Chicago, Ill. Textile fabric. 107,657; Dec. 28.
Mey, Marcel, Paris, France, assignor to Marshall Field & Company, Chicago, Ill. Textile fabric. 107,695; Dec. 28.
Morrow, Clarence H., Shaker Heights, assignor to The Hotstream Heater Company, Cleveland, Ohio. Water heater. 107,696; Dec. 28.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. 107,697; Dec. 28.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Bridge for an ophthalmic mounting. 107,698; Dec. 28.
Noest, Elizabeth, Brooklyn, N. Y. Dress. 107,726; Dec. 28.
Parker Pen Company, The. (See Ressinger, P. M., and Tefft, assignors.)
Pennant Knitting Mills. (See Saftlas, Samuel, assignor.)
Petzke, Franklin J., assignor to Johnson Nut Company, Minneapolis, Minn. Display case. 107,658; Dec. 28.
Price, Milton, assignor to Artcrest Manufacturing Co., Chicago, Ill. Storage cabinet or similar article. 107,659; Dec. 28.
Price, James R., assignor to Gorham Manufacturing Company, Providence, R. I. Spoon or other article of flatware. 107,660; Dec. 28.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,661; Dec. 28.
Raymond, Lambert L., Minneapolis, Minn. Tinsel ornament for Christmas trees. 107,662; Dec. 28.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer vehicle. 107,699; Dec. 28.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer vehicle. 107,700; Dec. 28.
Reid, Frederick M., assignor to Fruehauf Trailer Company, Detroit, Mich. Trailer vehicle. 107,701; Dec. 28.
Ressinger, Paul M., Chicago, Ill., and I. D. Tefft, assignors to The Parker Pen Company, Janesville, Wis. Fountain pen and pencil clip. 107,708; Dec. 28.
Rival Manufacturing Company. (See Majewski, Joseph M., Jr.)
Rogers, Clifford W. (See Doll, J. L., and Rogers.)
Rose, Vivian, New York, N. Y. Dress. 107,727; Dec. 28.
Rosenberg, Samuel, Milwaukee, Wis. Knitted hood and scarf assembly. 107,702; Dec. 28.
Rubinstein, Helena, Inc. (See Lewis, David, assignor.)
Rudolph, Maxwell A., New York, N. Y. Dress. 107,703; Dec. 28.
Ruger, Harry C. (See Lipschutz, J., and Ruger.)
Saftlas, Samuel, New York, assignor to S. Kaplan and J. Kaplan, co-partners, doing business under firm name and style of Pennant Knitting Mills, Brooklyn, N. Y. Corded knit lace fabric. 107,663; Dec. 28.
Schiaparelli, Elsa, Paris, France. Lipstick holder. 107,704; Dec. 28.
Schlessel, Philip, New York, N. Y. Dress. 107,728; Dec. 28.
Semaria Bros., Inc. (See Guarine, Evangeline, assignor.)
Shurin, Joseph, Roxbury, Mass. Bedspread or similar article. 107,664; Dec. 28.
Sikes Company, The. (See Davis, K. F., and Josephs, assignors.)
Smith, Herbert, Clinton, and M. G. Werme, Worcester, Mass., assignors to Wickwire Spencer Steel Company, New York, N. Y. Grille or similar article. 107,705; Dec. 28.
Smith, Marie E., New York, N. Y. Dress. 107,729; Dec. 28.
Smith, Marie E., New York, N. Y. Dress. 107,730; Dec. 28.
Smith, Maurice A., Jeannette, Pa. Automobile headlight lens. 107,706; Dec. 28.
Smith, Maurice A., Jeanette, Pa. Automobile headlight lens. 107,707; Dec. 28.
Stedman, Joseph F., Brooklyn, N. Y. Pendant. 107,665; Dec. 28.
Stetson Shoe Company, The. (See Wales, Burton L., assignor.)
Stewart, Lemuel L., Chicago, Ill., assignor to The Adlake Company. Lighting fixture or similar article. 107,666; Dec. 28.
Syncro Devices, Incorporated. (See Doll, J. L., and Rogers, assignors.)
Talge, Foster L. (See Majewski, Joseph M., Jr., assignor.)
Tannenbaum, Max, New York, N. Y. Openwork bead fabric or similar article. 107,667; Dec. 28.
Tefft, Ivan D. (See Ressinger, P. M., and Tefft.)
Tomshinsky, Victor, New York, N. Y. Dress. 107,731; Dec. 28.
Tomshinsky, Victor, New York, N. Y. Dress. 107,732; Dec. 28.
Tomshinsky, Victor, New York, N. Y. Dress. 107,733; Dec. 28.
Tuman, John, Mount Vernon, N. Y. Dress. 107,734; Dec. 28.
Tuman, John, Mount Vernon, N. Y. Dress. 107,735; Dec. 28.
Union City Body Company. (See Bromagem, Irl R., assignor.)
Utica Products Incorporated. (See Hauser, George D., assignor.)
Vuillemenot, Robert P., New York, N. Y., assignor to The De Vilbiss Company, Toledo, Ohio. Atomizer. 107,709; Dec. 28.
Wadsworth, Sidney C., and F. Bell, Lake Forest, Ill. Miniature Christmas tree. 107,668; Dec. 28.
Wales, Burton L., Abington, assignor to The Stetson Shoe Company, Inc., Weymouth, Mass. Shoe. 107,710; Dec. 28.
Waxberg, Augusta, New York, N. Y. Dress. 107,736; Dec. 28.
Werme, Melcher G. (See Smith, H., and Werme.)
Wickwire Spencer Steel Company. (See Smith, H., and Werme, assignors.)
Wien, Jack, Kansas City, Mo. Smock. 107,737; Dec. 28.
Wilke, Carl D., Beatrice, Nebr. Display stand. 107,669; Dec. 28.
Wilt, Elmer E., Chicago, Ill. Suitcase. 107,711; Dec. 28.
Zeller, John E. (See Grigg, A. F., and Zeller.)
Zinn, Joseph, New York, N. Y. Dress. 107,715; Dec. 28.
Zummach, John G., assignor to Hexcel Radiator Company, Racine, Wis. Air conditioning unit. 107,670; Dec. 28.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrahamsohn, Robert and E., Berlin-Steglitz, Germany. Multirange indicating instrument. 2,103,606; Dec. 28.
Abrahamsohn, Edmund. (See Abrahamsohn, Robert and E.)
Ace Engineering Company. (See Ravnsbeck, Fred, assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Aktiebolaget Befors. (See Hammar, V., Jansson, and Olsson, assignors.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror E., assignor.)
Albrecht, Herbert O., R. A. McGlone, and S. J. Roskosky, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthetic resin manufacture. 2,103,238; Dec. 28.
Alcet Electroc Products Corporation. (See Anderson, James C.)
Aldrich, Robert H., Boston, Mass., and D. A. Bryce, assignors to Calco Chemical Company, Inc., Bound Brook, N. J. Dye composition for the treatment of external burns in human beings. 2,103,309; Dec. 28.
Alexander, Harvey B., Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del. Producing diazodinitrophenol and product thereof. 2,103,926; Dec. 28.
Algarsson, Grettir, assignor to H. de M. Molson, Montreal, Quebec, Canada. Airscrew blade pitch controlling mechanism. 2,103,740; Dec. 28.
Allen, S. L., & Co. (See Birkhead, Frank G., assignor.)
Ambrette, Conrad, assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y. Convertible hydraulic press for long and short paste products. 2,103,310; Dec. 28.
American Brake Shoe & Foundry Co., The. (See Harris, Leonard T., assignor.)
American Can Company. (See Murch, John H., assignor.)
American Cyanamid & Chemical Corporation. (See Davis, C. F., Brush, and Mayne, assignors.)
American Dustrict Steam Company. (See Hall, Robert, assignor.)
American Floor Surfacing Machine Company, The. (See Atkin, Kenneth C., assignor.)
American Gasaccumulator Company. (See Oestnaes, V. L., and Swanstrom, assignors.)
American Laundry Machinery Company, The. (See Dewey, James M., assignor.)
American Locomotive Company. (See Blanchard, Everett W., assignor.)
American Plastics Corporation. (See Vawter, Will E., assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Sheet and Tin Plate Company. (See Lorig, Edwin T., assignor.)
American Smelting and Refining Company, The. (See Betterton, J. O., and Waterman, assignors.)
American Stay Company. (See Merrick, Frank W., assignor.)
American Telephone and Telegraph Company. (See Maurer, K. L., and Swart, assignors.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
Andale Company. (See McNeal, Daniel R., assignor.)
Andersen, Carl N., Wellesley Hills, Mass., assignor to Lever Brothers Company. Organic mercury compounds. 2,103,657; Dec. 28.
Anderson, Annie G., executrix. (See Anderson, James C.)
Anderson, James C., deceased, by A. G. Anderson, executrix, Elmhurst, assignor, by mesne assignments, to Alcet Electro Products Corporation, New York, N. Y. Winding machine. 2,103,239; Dec. 28.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tube welding. 2,103,346; Dec. 28.
Anderson, Nils H., assignor to The Shelton Tack Co., Shelton, Conn. Machine for capping tack heads. 2,103,508; Dec. 28.
Angier, Edward H., trustee. (See Brown, Harry W., assignor.)
Angier Laboratories. (See Brown, Harry W.)
Apex Electrical Manufacturing Company, The. (See Seyfried, Arthur W., assignor.)
Ardco Manufacturing Company. (See Stern, Charles, assignor.)
Armistead, George, Jr., Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbon oils. 2,103,977; Dec. 28.
Arrow-Hart & Hegeman Electric Company, The. (See Hawkinson, John L., assignor.)
Ashbaugh, John H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,103,682; Dec. 28.
Aspenleiter, Joseph W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthmalic mounting. 2,103,421; Dec. 28.
Associated Electric Laboratories, Inc. (See Nelson, M. L., Robinson, and Bellamy, assignors.)
Associated Electric Laboratories, Inc. (See Saunders, Norman H., assignor.)
Athey Truss Wheel Co. (See Kuchar, Joseph, assignor.)
Atkin, Kenneth C., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Drive ring for floor maintenance machine brushes. 2,103,311; Dec. 28.
Atlas Agoe, Chemische Fabrik A. G. (See Teubner, Kurt, assignor.)
Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)
Audubon Wire Cloth Corporation. (See Scherfel, Otto C., assignor.)
Aulsbrook, Harry E., Detroit, Mich. Furniture. 2,103,422; Dec. 28.
Auto Flagger Corporation, The. (See Gregory, Oscar T., assignor.)
Babcock & Wilcox Company, The. (See Luly, Edgar L., assignor.)
Babcock & Wilcox Company, The. (See Stillman, Thomas B., assignor.)
Bach, Anton M., Palo Alto, Calif. Hose coupling. 2,103,838; Dec. 28.
Back, Sydney. (See Clayton, W., Back, Morse, and Johnson.)
Bailey, Archie S., Albert Lea, assignor of one-half to J. P. Donahue, Twin Lakes, Minn. Animal poking implement. 2,103,401; Dec. 28.
Baldwin-Duckworth Chain Corporation. (See Klaucke, Hermann, assignor.)
Bale, Lester S., Shaker Heights, assignor to The Standard Oil Company (Ohio), Cleveland, Ohio. Nongumming motor fuel. 2,103,927; Dec. 28.
Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Cylindrical grinding machine. 2,103,808; Dec. 28.
Balls, Arnold K., and W. S. Hale, Washington, D. C., dedicated to the free use of the people of the United States. Softening of dough. 2,103,443; Dec. 28.
Baltimore Paint and Color Works, Inc. (See Shuger, Leroy W., assignor.)
Baltimore Salesbook Company, The. (See Gorton, Elidore H., assignor.)
Banca, Maggio C., Magnolia, N. J., assignor to Radio Corporation of America, New York, N. Y. Cathode ray device. 2,103,312; Dec. 28.
Bancroft, Joseph, & Sons Co. (See Lippert, Arnold L., assignor.)
Barber, George W., New Haven, Conn., dedicated to the free use of the public. Preventing caterpillar injury to ear corn. 2,103,607; Dec. 28.
Barbieri, Cesare. (See Heard, Joseph R., Jr., assignor.)
Bardell, Nicholas J., Chicago Heights, assignor to Mid-West Forging Company, Chicago, Ill. Making posts. 2,103,839; Dec. 28.
Barnes, Walter P., Chicago, Ill. Swimming cap. 2,103,886; Dec. 28.
Bartholomew, Robert J., Germantown, Pa. Winding machine. 2,103,347; Dec. 28.
Bartosz, Joseph A., assignor of one-half to A. C. Burk, Salem, Oreg. Handle and shank therefor. 2,103,442; Dec. 28.
Basic Dolomite, Incorporated. (See Eells, Howard P., Jr., assignor.)
Baskin, Morris J., Denver, Colo. Nonspecific spermatoxic vaccine and producing same. 2,103,240; Dec. 28.
Battermann, Ludwig A. (See Conklin, J. W., and Battermann.)
Bauer, Hans A., assignor to B. F. Gump Co., Chicago, Ill. Package fastening means. 2,103,840; Dec. 28.
Bausch & Lomb Optical Company. (See Aspenleiter, Joseph W., assignor.)
Bausch & Lomb Optical Company. (See Benford, J. R., and Foster, assignors.)
Bausch & Lomb Optical Company. (See Diggins, Bartholomew A., assignor.)
Bausch & Lomb Optical Company. (See Ellestad, Gerhard A., assignor.)
Bausch & Lomb Optical Company. (See Gallasch, George B., assignor.)

Bausch & Lomb Optical Company. (See Kolb, Frank P., assignor.)
Bausch & Lomb Optical Company. (See Wilkinson, Ralph E., assignor.)
Bauch, William H., Shelbyville, Ind. Abrading, polishing, and buffing device. 2,103,444; Dec. 28.
Beamer, Charles W., Mojave, Calif. Drill steel sharpener. 2,103,705; Dec. 28.
Bean, Robert F., Bridgeport, Conn., assignor to General Electric Company. Mixing device. 2,103,928; Dec. 82.
Bear, Paul S., Dowagiac, Mich., assignor, by mesne assignments, of three-fourths to H. E. Bucklen, Elkhart, Ind., and one-fourth to said P. S. Bear. Switch. 2,103,929; Dec. 28.
Beaumont Iron Works Company. (See Kitchel, G. B., and Roach, assignors.)
Beckley, Pendleton, Paris, France. Safety razor. 2,103,402; Dec. 28.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Constant-current magnetic bridge. 2,103,996; Dec. 28.
Bedford, Burnice D., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,103,997; Dec. 28.
Behan, Thomas W., Binghamton, N. Y. Washing machine. 2,103,966; Dec. 28.
Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Comb and casing. 2,103,930; Dec. 28.
Bell & Howell Company, The. (See Howell, Albert S., assignor.)
Bell, John, Yonkers, assignor to The Spool Cotton Company, New York, N. Y. Display device. 2,103,241; Dec. 28.
Bell Telephone Laboratories, Incorporated. (See Kreer, John G., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lucek, Charles W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Mathes, Robert C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)
Bell Telephone Laboratories, Incorporated. (See Waldron, F. D., and Wier, assignors.)
Bell Telephone Laboratories, Incorporated. (See Yeutter, Clyde S., assignor.)
Bellamy, John I. (See Nelson, M. L., Robinson, and Bellamy.)
Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)
Bencowitz, Isaac, New York, N. Y., assignor to Texas Gulf Sulphur Company. Flowmeter. 2,103,741; Dec. 28.
Bendix Aviation Corporation. (See Heintz, Ralph M., assignor.)
Bendix Products Corporation. (See Whittington, Ralph S., assignor.)
Bendix-Westinghouse Automotive Air Brake Company. (See Sanford, Roy S., assignor.)
Benedek, Elek K., Bucyrus, Ohio. Hydraulic pump or motor. 2,103,313; Dec. 28.
Benedek, Elek K., Bucyrus, Ohio. Variable delivery pump or motor. 2,103,314; Dec. 28.
Benedict, T. N., Manufacturing Company. (See Saunders, Albert F., assignor.)
Benford, James R., Rochester, and L. V. Foster, Irondequoit, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope illuminator. 2,103,230; Dec. 28.
Berger, Clarence E., Shrewsbury, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Insulated homopolar generator. 2,103,931; Dec. 28.
Bernhardt, Rudolph, Chicago, Ill. Container and pump. 2,103,932; Dec. 28.
Bethlehem Shipbuilding Corporation. (See Frear, Hugo P., assignor.)
Bethlehem Steel Company. (See Lewis, R. A., and Schenck, assignors.)
Betterton, Jesse O., Metuchen, N. J., and C. N. Waterman, Monterrey, Mexico, assignors to American Smelting and Refining Company, New York, N. Y. Refining metals. 2,103,762; Dec. 28.
Bibee, Jennings W. (See Goodman, E. J., and Bibee.)
Bisth, Tom C., Hedemora, Sweden. Separator. 2,103,809; Dec. 28.
Birkebak, Christian A., Detroit, Mich., assignor to Ex-Cell-O Corporation. Lathe. 2,103,315; Dec. 28.
Birkhead, Frank G., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa. Wheeled coaster. 2,103,998; Dec. 28.
Birr, Rudolph G., Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah. Towel dispensing apparatus. 2,103,403; Dec. 28.
Bitter, Howard L., et al. (See Doty, Arthur A., assignor.)
Blake, Henry W., assignor to W. F. Kirk, Kansas City, Mo. Transportable anchorable refrigerator. 2,103,231; Dec. 28.
Blanchard, Everett W., Schenectady, assignor to American Locomotive Company, New York, N. Y. Valve gear for three-cylinder locomotives. 2,103,658; Dec. 28.
Blanchard, Frederick C., Brookline, Mass. Fluid pressure responsive feeder. 2,103,763; Dec. 28.
Blauer, Louis, Brookline, Mass. Combination hood and double back for garments. 2,103,608; Dec. 28.
Bliss, Harvey N., West Hartford, and E. Wild, and W. L. Tancred, assignors to Veeder-Root Incorporated, Hartford, Conn. Multiplex counting machine. 2,103,659; Dec. 28.
Böhm, Hugo, Munich, Germany. Leather and process for the manufacture thereof. 2,103,232; Dec. 28.
Bolton, John W., & Sons, Inc. (See Stuck, H. D., and De Nault, assignors.)
Bolyard, Charles C., assignor to Paper Supply Company, Los Angeles, Calif. Ornamental structure. 2,103,404; Dec. 28.
Bommer, Emil, deceased, Brooklyn, N. Y., G. Bommer, J. F. Voelkel, and C. F. Gehrmann, executors of said E. Bommer. Door check and closer. 2,103,660; Dec. 28.
Bommer, Gustav, et al., executor. (See Bommer, Emil.)
Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive apparatus. 2,103,706; Dec. 28.
Boosey, Edward W. N., Detroit, Mich. Grease trap. 2,103,316; Dec. 28.
Booth, Roland. (See Hargreaves, C., and Booth.)
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Refining of rosin esters. 2,103,445; Dec. 28.
Borgwardt, Erich. (See Schoeller, W., and Borgwardt.)
Botta, Alboino. (See Romano, A., and Botta.)
Boulton, Berthoud C. (See Klemm, H. G., and Boulton.)
Boutwell, Clarence E., Birmingham, Ala. Making level faced matrices. 2,103,764; Dec. 28.
Bowdil Company, The. (See Bowman, Charles L., assignor.)
Bowen, William S., and J. Freeman, Westfield, N. J. Homogenizing mechanism. 2,103,887; Dec. 28.
Bowen, William S., Westfield, N. J. Homogenizing apparatus. 2,103,888; Dec. 28.
Bowman, Charles L., Bowdil, assignor to The Bowdil Company, Canton, Ohio. Mining machine. 2,103,509; Dec. 28.
Boyce, Leonard D., Maplewood, Mo. Ignition timer controlling device. 2,103,348; Dec. 28.
Boyett, Jesse B., Nashville, Ga. Combined oscillatory reciprocatory self-centering pump. 2,103,967; Dec. 28.
Boyle, Eugene G., San Francisco, Calif. Cushioned stocking supporter guard. 2,103,446; Dec. 28.
Bradburn, Curtis E., assignor to H. L. Divine, Garden City, Kans. Car odorizer. 2,103,609; Dec. 28.
Bradford, William W., Jr., Bel Air, assignor to H. R. Hyle, Catonsville, E. H. Young, Baltimore, and S. T. Holmes, Harford County, Md. Aircraft propeller. 2,103,242; Dec. 28.
Bradford, William W., Jr., Bel Air, assignor to H. R. Hyle, Catonsville, E. H. Young, Baltimore, and S. T. Holmes, Hartford County, Md. Aircraft propeller. 2,103,243; Dec. 28.
Brenner, Samuel L. (See De Verter, Walton, assignor.)
Briscoe, Frederick Y., Newton, Mass. Mattress protector. 2,103,244; Dec. 28.
Brisick, Joseph C., Irvington, N. J., assignor to The Kroydon Company. Golf club handle. 2,103,889; Dec. 28.
Brower, Elbert O., Philadelphia, Pa. Cigarette holder. 2,103,662; Dec. 28.
Brown, Charles S., Syracuse, N. Y. Motor snow plow. 2,103,510; Dec. 28.
Brown Company. (See Richter, George A., assignor.)
Brown Company. (See Schur, Milton O., assignor.)
Brown, Harry W., Saxonville, assignor to E. H. Angier, Framingham, Mass., trustee. Wrapper. 2,103,892; Dec. 28.
Brown, Rudolph K., Morristown, N. J. Artificial body member and making the same. 2,103,511; Dec. 28.
Brown, Thomas E., Jr., Tuxedo, N. Y. Counterbalancing mechanism for lift bridges. 2,103,661; Dec. 28.
Brown, William H., Bedford, Ohio. Permanent waving device. 2,103,890; Dec. 28.
Brown, William H., Bedford, Ohio. Permanent waving device. 2,103,891; Dec. 28.
Brubaker, William A. (See Kline, W., and Brubaker.)
Brush, John G. (See Davis, C. F., Brush, and Mayne.)
Bryce, David A. (See Aldrich, R. H., and Bryce.)
Bucklen, Herbert E., et al. (See Bear, Paul S., assignor.)
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive running gear. 2,103,978; Dec. 28.
Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Rubberized product. 2,103,245; Dec. 28.
Budd, Edward G., Manufacturing Company. (See Budd, Edward G., assignor.)
Budd, Edward G., Manufacturing Company. (See Mayer, William J., assignor.)
Bunker, Herbert H., Jersey City, N. J. Slab. 2,103,765; Dec. 28.
Burden, William MacC., R. Genders, and R. Harrison, Woolwich, assignors to Sofal Limited, London, England. Alloy steels. 2,103,610; Dec. 28.
Burk, A. C. (See Bartosz, Joseph A., assignor.)
Burns, A. Newton. (See Pool, Melvin, assignor.)
Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Bolt action firearm. 2,103,512; Dec. 28.
Buskirk, Elmore E., Adrian, Mich. Portable air purifier unit. 2,103,893; Dec. 28.

Bussmann, Herman, Englewood, N. J. Joint for concrete building units. 2,103,894; Dec. 28.
Cahill, Arthur T., et al., executor. (See Cahill, Thaddeus.)
Cahill, Eleanor, et al., executor. (See Cahill, Thaddeus.)
Cahill, George F., et al., executor. (See Cahill, Thaddeus.)
Cahill, Thaddeus, deceased, New York, N. Y., A. T., E., and G. F. Cahill, executors of the estate of said Thaddeus Cahill. Synchronized sound and picture control. 2,103,766; Dec. 28.
Calco Chemical Company. (See Aldrich, R. H., and Bryce, assignors.)
Calico Printers' Association Limited, The. (See Lantz, L. A., Morrison, and Miller, assignors.)
California Packing Corporation. (See Russell, Clyde D., assignor.)
Calvert, John F., Ames, Iowa, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulating conductors. 2,103,841; Dec. 28.
Campbell, Huntly M., Detroit, Mich. Cooking foods. 2,103,513; Dec. 28.
Campbell, Willard, Los Angeles, Calif. Device for handling boats and other loads. 2,103,708; Dec. 28.
Cann, Harry E., West Chester, Pa. Sterilizer. 2,103,709; Dec. 28.
Carl, Ludwig, assignor to Ernst Horn, Nuremberg, Germany. Toy. 2,103,447; Dec. 28.
Carner, John J., Cloudcroft, N. Mex. Combined plant setting and fertilizing implement. 2,103,710; Dec. 28.
Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Motor apparatus for pumping and other purposes. 2,103,742; Dec. 28.
Caspar, Eduard, Zurich, Switzerland. Silencer for the exhaust gases of internal combustion engines. 2,103,810; Dec. 28.
Castledine, Charles O., Windom, Minn. Gasoline tank for motor vehicles. 2,103,448; Dec. 28.
Catland, Alfred C. (See Howard, J. H., and Catland.)
Catland, Alfred C., Alhambra, and P. C. Efromson, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Core catcher. 2,103,611; Dec. 28.
Cavagnaro, Nicholas J., Richmond Hill, assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y. Cutting machine for spaghetti, macaroni, etc. 2,103,317; Dec. 28.
Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Color selector for shuttle changing looms. 2,103,767; Dec. 28.
Celanese Corporation of America. (See Ellis, G. H., and Kirk, assignors.)
Celanese Corporation of America. (See Hargreaves, C., and Booth, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Celian-Jones, Gwynne, Linthorpe, Middlesbrough, England. Coke oven. 2,103,620; Dec. 28.
Chain Products Company, The. (See Olmstead, Frederick A., assignor.)
Charter Drive, Inc. (See Charter, James A., assignor.)
Charter, James A., assignor to Charter Drive, Inc., Chicago, Ill. Engine starter. 2,103,233; Dec. 28.
Chemical Works, Formerly Sandoz. (See Lier, Heinrich, assignor.)
Chemical Works, Formerly Sandoz. (See Wehrli, Walter, assignor.)
Christian, Frank T., assignor to Eclipse Machine Company, Elmira, N. Y. Automatic starting mechanism for internal combustion engines. 2,103,405; Dec. 28.
Christensen, Alfred C., assignor to H. S. Simpson, Chicago, Ill. Muller. 2,103,895; Dec. 28.
Clapp, Albert L., Danvers, Mass. Culinary utensil of fibrous structure and making same. 2,103,318; Dec. 28.
Clark, George A., Filer, Idaho. Aeroplane control. 2,103,933; Dec. 28.
Clark, Louis T. (See Whelan, H. J., and Clark.)
Clark, Percy L., Jr., Chicago, Ill. Applicator for pessaries. 2,103,319; Dec. 28.
Clauss, Julius A., Detroit, and D. E. McGuire, Wyandotte, Mich. Furnace structure. 2,103,234; Dec. 28.
Clayton, William, S. Back, J. F. Morse, and R. I. Johnson, assignors to Crosse & Blackwell Limited, London, England. Treatment of chocolate. 2,103,612; Dec. 28.
Cloutier, Arthur N. (See Lawson, R. H., and Cloutier.)
Cogswell, Julia A., Jackson, Mich. Hair waver. 2,103,934; Dec. 28.
Cole, Eben W., Littleton, N. H. Timer's mitten. 2,103,711; Dec. 28.
Cole, Robert E., Highland Creek, Ontario, Canada. Snow plow. 2,103,514; Dec. 28.
Colegrove, Nathaniel E. (See Sawdey, N. T., and Colegrove.)
Conant, Willard I., Decatur, Ill., and C. C. Farmer, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Check valve device. 2,103,349; Dec. 28.
Conklin, James W., and L. A. Battermann, Rocky Point, N. Y., assignors to Radio Corporation of America. Low power factor line resonator. 2,103,515; Dec. 28.
Conley, Arthur W., Shaker Heights, Ohio. Air conditioning device. 2,103,844; Dec. 28.
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Container and spout construction. 2,103,406; Dec. 28.
Conover Company, The. (See Stoddard, Edgar S., assignor.)
Conrad, Joshua C., Oklahoma City, Okla. Instrument for determining the deviation of bore holes. 2,103,235; Dec. 28.
Consolidated Car Heating Company. (See Touceda, Enrique G., assignor.)
Consolidated Macaroni Machinery Corporation. (See Ambrette, Conrad, assignor.)
Consolidated Macaroni Machinery Corporation. (See Cavagnaro, Nicholas J., assignor.)
Continental Oil Company. (See Fellows, Fred G., assignor.)
Cooper Oven Thermometer Company, The. (See Nodine, Frederick A., assignor.)
Corning Glass Works. (See Smith, Rowland D., assignor.)
Corning Glass Works. (See Ticknor, Winton A., assignor.)
Corff, Edward V., Chicago, Ill. Abrasive holder. 2,103,320; Dec. 28.
Coshow, Chester L., assignor of thirty-five per cent to L. A. Huguley and thirty-five per cent to J. E. Lucas, Oklahoma City, Okla. Sucker rod stabilizer. 2,103,236; Dec. 28.
Cossais, Raoul E., Maisons-Alfort, France. Device for preventing evaporation of volatile products. 2,103,935; Dec. 28.
Coulson, Charles H., Hanover, Pa. Heel building machine. 2,103,712; Dec. 28.
Coustette, Henry P., San Francisco, Calif. Protective base for poles. 2,103,246; Dec. 28.
Cranford, Victor, San Fernando, Calif. Signal means. 2,103,247; Dec. 28.
Crooks, Ralph K., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive apparatus. 2,103,707; Dec. 28.
Crompton & Knowles Loom Works. (See Cederlund, Albert, assignor.)
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Howard, Charles R., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)
Crompton & Knowles Loom Works. (See Turner, Richard G., assignor.)
Crompton & Knowles Loom Works. (See Vose, Lewis S., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crompton & Knowles Jacquard & Supply Company. (See Foster, Herbert V., assignor.)
Crosse & Blackwell Limited. (See Clayton, W., Back, Morse, and Johnson, assignors.)
Crutchfield, Chambers L., Wailuku, and J. P. Foster, assignors to Maui Pineapple Company, Ltd., Paia, Hawaii. Producing brandy. 2,103,449; Dec. 28.
Curtis, Edward S., Los Angeles, Calif. Concentrating minerals. 2,103,663; Dec. 28.
Dalmo Sales Corporation. (See Moseley, Tomlinson I., assignor.)
Dargis, Otis L., Jr., Cincinnati, Ohio. Safety brake control. 2,103,613; Dec. 28.
Davis, Anthony E., Philadelphia, Pa. Adjustable chair and roller for pipes. 2,103,811; Dec. 28.
Davis, Clarke F., Short Hills, J. G. Brush, Westfield, and L. K. Mayne, Linden, assignors to American Cyanamid & Chemical Corporation, New York, N. Y. Ceiling construction and slab therefor. 2,103,969; Dec. 28.
Day, George J., Buffalo, N. Y. Thermostatic valve. 2,103,614; Dec. 28.
Dean, William T., Gary, Ind. Steel house construction and the like. 2,103,407; Dec. 28.
Decker, Josef B., Elkton, Md. Multiple effect pyrotechnic. 2,103,936; Dec. 28.
Deckert, Danvers O. C., St. Louis, Mo. Making sanctuary candle. 2,103,237; Dec. 28.
Decorative Fabrics Company. (See Thackeray, Norman C., assignor.)
De Deza, Francisco S., and R. B. M. Trabazo, Buenos Aires, Argentina. Apparatus for producing optical illusions. 2,103,321; Dec. 28.
Deere, John, Tractor Company. (See McCormick, E., and Worthington, assignors.)
De Florez, Luis, assignor to National Aviation Research Corporation, New York, N. Y. Binaural flying. 2,103,248; Dec. 28.
Delamere Company. (See Goodman, Jacob, assignor.)
Delamere Company. (See Huppert, William, assignor.)
Dempsey, Charles J., Chicago, Ill. Auxiliary fuel supply for automobile engines. 2,103,516; Dec. 28.
De Nault, Philip A. (See Stuck, H. D., and De Nault.)
De Sherbinin, William N., Hastings on Hudson, N. Y. Lamp shade adapter. 2,103,322; Dec. 28.
De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Drive mechanism. 2,103,517; Dec. 28.
De Tar, Donald R., Stratford, Conn., assignor to General Electric Company. Drive mechanism. 2,103,518; Dec. 28.

Detroit Edison Company, The. (See Matthews, George A., assignor.)
De Verter, Walton, assignor of one-third to S. L. Brenner, Chicago, Ill. Tube testing device. 2,103,450; Dec. 28.
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine control. 2,103,519; Dec. 28.
Diamond Power Specialty Corporation. (See Schieffer, Johann, assignor.)
Dickey, Joseph B. (See McNally, J. G., and Dickey.)
Dietrich, William S., Greenville, Pa. Car truck. 2,103,713; Dec. 28.
Dietz, Karl, Frankfort-on-the-Main, and K. Frank, Bad Soden in Taunus, Germany, assignors, by mesne assignments, to Pen-Chlor, Inc., Philadelphia, Pa. Acid-proof self-hardening compositions. 2,103,768; Dec. 28.
Diggins, Bartholomew A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Goggles. 2,103,575; Dec. 28.
Divine, Harry L. (See Bradburn, Curtis E., assignor.)
Dockson, Charles H., Detroit, Mich. Pressure regulator. 2,103,576; Dec. 28.
Dodge, H. B., and Company. (See Pratt, Raymond C., assignor.)
Doering, Henry H. (See Teller, George L., and W. K., assignors.)
Dominion Electric Protection Company. (See Hamilton, William R., and R. W., assignors.)
Donahue, John P. (See Bailey, Archie S., assignor.)
Donnelly, John H., Elmhurst, assignor of one-half to S. E. Witt, New York, N. Y. Dispenser for tablets or the like. 2,103,520; Dec. 28.
D'Ornellas, Manuel L. J., Talence, France. Antifrost device. 2,103,666; Dec. 28.
Doty, Arthur A., assignor of one-third to R. S. Holcomb, East Hartford, and one-third to H. L. Bitter, West Hartford, Conn. Sealed fastening device. 2,103,743; Dec. 28.
Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system for high speed trains. 2,103,323; Dec. 28.
Down, Sidney G., Edgewood, assignor to Westinghouse Air Brake Company, Wilmerding, Pa. Door closing warning signal. 2,103,324; Dec. 28.
Doyle, William T., Boston, and T. J. Sturtevant, Wellesley, assignors to Sturtevant Mill Company, Boston, Mass. Machine for disintegrating, screening, and pumping fibrous or paper making stocks. 2,103,896; Dec. 28.
Drake, Harcourt C., Hempstead, assignor to Sperry Products, Inc., Brooklyn, N. Y. Vehicle washing machine. 2,103,842; Dec. 28.
Drill, Daniel C., Wabash, assignor to American Rock Wood Corporation, Wabash County, Ind. Forming felted strips. 2,103,769; Dec. 28.
Driscoll, Oris M., assignor of one-half to Geo. J. Perlman Co., Trenton, N. J. Automobile lock. 2,103,937; Dec. 28.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Drawbar mechanism for electric chucking machines. 2,103,350; Dec. 28.
Drummond, Price, Rocky River, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Metal top for dry cells. 2,103,714; Dec. 28.
Drysdale, William D., Mount Clemens, Mich., assignor to Walter J. Sugden, West Roxbury, Mass. Liquid cooler. 2,103,970; Dec. 28.
Dudding, Bernard P., and R. E. Leeds, Middlesex, England, assignors to General Electric Company. Manufacture of electric incandescent lamps having coiled-coil filaments. 2,103,938; Dec. 28.
Dudley Lock Corporation. (See Machinist, Harold, assignor.)
Duke, James B. (See Tartaron, F. X., and Duke.)
Dumble, Clifford R., Arlington, Mass., assignor, by mesne assignments, to Joseph L. Zelaskow, New York, N. Y. Machine for game playing. 2,103,744; Dec. 28.
Dunham, Aubra R. (See Dunham, Clayton A., and A. R.)
Dunham, Clayton A., and A. R. Dunham, Glencoe, assignors to Experimental Laboratories Incorporated, Chicago, Ill. Method and apparatus for generating heating medium. 2,103,770; Dec. 28.
Du Pont, E. I., de Nemours & Company. (See Albrecht, H. O., McGlone, and Roskosky, assignors.)
Du Pont, E. I., de Nemours & Company. (See Strout, Ralph C., assignor.)
Du Pont, Peyton, Incorporated. (See Graham, Frank F., assignor.)
Durham, James, Warsaw, Ind. Fish bobber. 2,103,451; Dec. 28.
Eames, William F., Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Control system. 2,103,771; Dec. 28.
Eastburg, Clifford L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Truck. 2,103,979; Dec. 28.
Eastman Kodak Company. (See McNally, J. G., and Dickey, assignors.)
Ebert, Joseph, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa. Therapeutic composition. 2,103,522; Dec. 28.
Eckardt, Rudolf, Leipzig, Germany, assignor to The National Acme Company, Cleveland, Ohio. Metalworking machine. 2,103,351; Dec. 28.
Eclipse Machine Company. (See Christian, Frank T., assignor.)
Eclipse Machine Company. (See Morris, Marion W., assignor.)
Eddy, Mildred L., Omaha, Nebr. Classroom committee table. 2,103,408; Dec. 28.
Edge, Walter S., assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reinforcement mesh. 2,103,897; Dec. 28.
Eells, Howard P., Jr., Willoughby, assignor to Basic Dolomite, Incorporated, Cleveland, Ohio. Production of refractories. 2,103,249; Dec. 28.
Efromson, Philip C. (See Catland, A. C., and Efromson.)
Egedal, Lawrence E. (See Lee, R., and Egedal.)
Elchelsdoerfer, Robert M., Governor's Island, N. Y. Place indicator. 2,103,250; Dec. 28.
Elnson-Freeman Co. (See Horr, John V., assignor.)
Electrical Research Laboratories, Inc. (See Diessmann, Frederick, assignor.)
Ellestad, Gerhard A., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting and attaching same. 2,103,523; Dec. 28.
Ellis, George H. and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Treatment of textile materials. 2,103,452; Dec. 28.
Ericksson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Multiple impression printing apparatus and method. 2,103,812; Dec. 28.
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Gear pump. 2,103,524; Dec. 28.
Evans Case Company. (See Reilly, Alfred F., assignor.)
Excel Auto Radiator Company. (See Sperry, P. F., and Lake, assignors.)
Ex-Cell-O-Corporation. (See Birkebak, Christian A., assignor.)
Experimental Laboratories Incorporated. (See Dunham, Clayton A., and A. R., assignors.)
Fairfield Engineering Company, The. (See Thumlert, Edgar A., assignor.)
Farastan Company, The. (See Ebert, Joseph, assignor.)
Farmer, Clyde C. (See Conant, W. I., and Farmer.)
Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train control device. 2,103,352; Dec. 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Load brake mechanism. 2,103,353; Dec. 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnetic brake shoe. 2,103,354; Dec. 28.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Insect excluder. 2,103,355; Dec. 28.
Farrell, Joseph K. O'M., New York, N. Y. Cosmetic device. 2,103,577; Dec. 28.
Feiler, Edmond J., Madison, Wis. Combined weather strip and window guide. 2,103,772; Dec. 28.
Fellows, Fred G., assignor to Continental Oil Company, Ponca City, Okla. Distilling lubricating oils. 2,103,898; Dec. 28.
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button or the like. 2,103,615; Dec. 28.
Ferrero, Paul, Tertre, and C. Vandendries, Baudour, assignors to Societe Carbochimique, Société Anonyme, Brussels, Belgium. Preparation of chlorhydrins. 2,103,813; Dec. 28.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Light signal. 2,103,251; Dec. 28.
Fillon, Melanie, née Le Compte, Montreal, Quebec, Canada. Ventilator. 2,103,843; Dec. 28.
Fisher, Robert H., New York, N. Y., assignor to Whiting Holding Company, Minneapolis, Minn. Electric motor. 2,103,356; Dec. 28.
Fitton, Cyrus J. (See Yingling, Frank B., assignor.)
Flanagan, William M., Philadelphia, Pa. Ornamental base for Christmas trees. 2,103,939; Dec. 28.
Flath, Otto S., Chicago, Ill. Parkway cable outlet top member. 2,103,773; Dec. 28.
Fleckenstein, George A., Stratford, and M. L. Waterman, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Lubricating device for sewing machines. 2,103,899; Dec. 28.
Fletcher, Allen H., assignor of three-ninths to G. D. Slusher, two-ninths to B. W. McCune, and two-ninths to B. P. Meyer, Bakersfield, Calif. Well tester. 2,103,940; Dec. 28.
Flint & Walling Manufacturing Company. (See Lung, Kenneth R., assignor.)
Foll, Clifton C. (See Schaeffer, C. A., and Foll.)
Ford, Harry S., Cleburne, Tex. Display holder. 2,103,578; Dec. 28.
Ford, Major R., Mill Port, N. Y. Tool construction. 2,103,409; Dec. 28.
Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for removing lacings from shoe uppers. 2,103,667; Dec. 28.

Foster, Herbert V., Providence, assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I. Jacquard needle spring guide. 2,103,814; Dec. 28.
Foster, Herbert V., Providence, assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I. Jacquard cylinder motion. 2,103,815; Dec. 28.
Foster, John P. (See Crutchfield, C. L., and Foster.)
Foster, Leon V. (See Benford, J. R., and Foster.)
Fowler, William A., Lincoln, Nebr. Typewriter. 2,103,668; Dec. 28.
Francis, Lynn M., Birmingham, assignor to Mechanical Handling Systems, Inc., Detroit, Mich. Vehicle construction. 2,103,669; Dec. 28.
Franey, Arthur E., Ecorse, Mich. Electrical switch. 2,103,941; Dec. 28.
Frank, Karl. (See Dietz, K., and Frank.)
Frank, William H., and J. W. Harper, Detroit, Mich. Panel board. 2,103,325; Dec. 28.
Frantz, Samuel G., and B. S. McCutchen, Princeton, N. J., assignors to Radio Corporation of America. Transmission and reception of intelligence. 2,103,745; Dec. 28.
Frear, Hugo P., New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd. Ship construction. 2,103,715; Dec. 28.
Freeman, Julius. (See Bowen, W. S., and Freeman.)
Frei, John, Jr., Chicago, Ill. Post construction. 2,103,410; Dec. 28.
Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. 2,103,980; Dec. 28.
Frickey, Royal E., assignor to Welding Service, Inc., San Francisco, Calif. Rail treatment method. 2,103,716; Dec. 28.
Frieden, Alexander, New Rochelle, and S. J. Werbin, Woodhaven, assignors to Stein, Hall & Company, Inc., New York, N. Y. Milk products and stabilizer therefor. 2,103,411; Dec. 28.
Friedländer, Erich, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,103,774; Dec. 28.
Frink, Carl H., Clayton, N. Y. Snow plow. 2,103,775; Dec. 28.
Gaertner, Frederick J. Maplewood, N. J. Finger ring. 2,103,412; Dec. 28.
Gaertner, Frederick J., Maplewood, N. J. Making finger rings. 2,103,413; Dec. 28.
Gagnier, George E. (See Place, Bion C., assignor.)
Galiasch, George B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,103,525; Dec. 28.
Ganoe, Ernst A. G. Rochester, assignor to National Electric Products Corporation, Pittsburgh, Pa. Plug fuse. 2,103,717; Dec. 28.
Gardner, Delamere B., Los Angeles, Calif. Solid weave scanning device. 2,103,253; Dec. 28.
Garshman, Morris J., Brooklyn, N. Y. Making an appliquéd article. 2,103,414; Dec. 28.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,103,252; Dec. 28.
Gartner, George W., Houston, Tex. Perambulator. 2,103,616; Dec. 28.
Gasoline Products Company. (See Armistead, George, Jr., assignor.)
Gay, Robert E., Tewksbury, Mass. Automobile snow plow. 2,103,900; Dec. 28.
Gehrmann, Charles F., et al., executor. (See Bommer, Emil.)
Geistlich, Edouard, Wolhusen, Switzerland. Novel glue product for glueing veneers and cross-ply sheets. 2,103,776; Dec. 28.
Genders, Reginald. (See Burden, W. MacC., Genders, and Harrison.)
General Aniline Works, Inc. (See Glietenberg, E., and Schubert, assignors.)
General Aniline Works, Inc. (See Grotowsky, Hans, assignor.)
General Auto Parts Corporation. (See Rockell, Edward A., assignor.)
General Electric Company. (See Bean, Robert F., assignor.)
General Electric Company. See Bedford, Burnice D., assignor.)
General Electric Company. (See De Tar, Donald R., assignor.)
General Electric Company. (See Dudding, B. P., and Leeds, assignors.)
General Electric Company. (See Herskind, Carl C., assignor.)
General Electric Company. (See Hillner, Rudolph, assignor.)
General Electric Company. (See Kearsley, William K., assignor.)
General Electric Company. (See Van Guilder, Walter, assignor.)
General Electric X-ray Corporation. (See Mesick, H. F., Jr., and Gross, assignors.)
General Motors Corporation. (See Probst, Karl K., assignor.)
General Railway Signal Company. (See Field, Oscar S., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
Gerhard, Ernst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie G. m. b. H., Berlin, Germany. Ultrashort wave system. 2,103,357; Dec. 28.
Gericke, Erich, Berlin-Pankow, assignor to the firm Rotaprint Akt.-Ges., Berlin, Germany. Stretching bridge for metal sheets of rotary printing machines. 2,103,617; Dec. 28.
Getaz, James L., Maryville, Tenn. Gear shift mechanism for automobile transmissions. 2,103,326; Dec. 28.
Gier, John R., Jr., Penn Township, Allegheny County, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ductilizing process. 2,103,777; Dec. 28.
Gillette Safety Razor Company. (See Muros, Joseph, assignor.)
Gillin, Harry M., Millville, N. J. Detachable plaster cast. 2,103,942; Dec. 28.
Gleason, Anthony H. (See Wiezevich, P. J., and Gleason.)
Glietenberg, Eugen, and F. Schubert, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azodyestuffs. 2,103,778; Dec. 28.
Globe American Corporation. (See Hill, Dewey H., assignor.)
Globe Oil Tools Company. (See Catland, A. C., and Efromson, assignors.)
Globe Oil Tools Company. (See Howard, J. H., and Catland, assignors.)
Glück, Emil, Burkhardtsdorf, Germany. Elastic band. 2,103,579; Dec. 28.
Goedike, John G., San Antonio, Tex. Dual dampening and inking mechanism for planographic and analogous presses. 2,103,254; Dec. 28.
Gohr, Edwin J., Elizabeth, N. J., assignor to Standard Oil Development Company. Improved process for preparation of sulphuric derivatives. 2,103,255; Dec. 28.
Goldsmith, John, Sunnyside, N. Y., assignor to Mack Manufacturing Corporation. Enclosed drive for pumps. 2,103,971; Dec. 28.
Goodbody, Edmund M. (See Willis, L. R. W., and Goodbody.)
Goodman, Eddie J., and J. W. Bibee, Lynchburg, Va. Flush tank attachment. 2,103,580; Dec. 28.
Goodman, Jacob, Brooklyn, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,103,526; Dec. 28.
Goodstein, Charles B., New York, N. Y. Trouser cuff and fastening same. 2,103,845; Dec. 28.
Goodwin, Joseph A., Lexington, Ky. Horseshoe. 2,103,718; Dec. 28.
Goodyear, Charles Y., Waterloo, Iowa. Parting wax. 2,103,527; Dec. 28.
Gordon, Robert H., Detroit, Mich., assignor to Parker Rust Proof Company. Conveyer mechanism. 2,103,901; Dec. 28.
Gorton, Elidore H., assignor to The Baltimore Salesbook Company, Baltimore, Md. Drawing book. 2,103,943; Dec. 28.
Gothe, Albrecht, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Eliminating reradiation. 2,103,358; Dec. 28.
Graemiger, Benjamin, Zollikon, and W. Ludin, Winterthur, assignors to Hephaest A.-G. für motorische Kraftzeugung, Zurich, Switzerland. Impact-crusher for comminuting hard materials. 2,103,454; Dec. 28.
Graham, Frank F., Cardiff, Md., assignor to Peyton du Pont, Incorporated. Rock drill. 2,103,359; Dec. 28.
Graemiger, Benjamin, Zollikon, assignor to Hephaest A.-G. für motorische Krafterzengung, Zurich, Switzerland. Burning pulverized fuel. 2,103,453; Dec. 28.
Gray, Daniel M., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Vinyl resins. 2,103,581; Dec. 28.
Greenslade, Grover R., Scott Township, Allegheny County, Pa., assignor to Pittsburgh Dry Stencil Company. Testing staybolts. 2,103,256; Dec. 28.
Greenwald, Herman, Brooklyn, assignor to H. Greenwald and E. Koenig, doing business as Hygrade Novelty Co., New York, N. Y. Abrasive mitt. 2,103,455; Dec. 28.
Greenway, Erwin C., assignor to Wilson-Jones Company, Chicago, Ill. Making equalizer sheets. 2,103,360; Dec. 28.
Greenwood, Harold, Ozone Park, N. Y. Paste dispensing device. 2,103,415; Dec. 28.
Gregory, Lon S., assignor to The Refinery Supply Company, Tulsa, Okla. Method and apparatus for testing hydrocarbon gases. 2,103,582; Dec. 28.
Gregory, Oscar T., Mobile, Ala., assignor to The Auto Flagger Corporation, Atlanta, Ga. Railroad crossing signal. 2,103,416; Dec. 28.
Gross, Malvern J. (See Mesick, H. F., Jr., and Gross.)
Grotowsky, Hans, Krefeld-Uerdingen, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Triphenylmethane dyestuffs. 2,103,846; Dec. 28.
Guba, Raymond J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric and making the same. 2,103,918; Dec. 28.
Guba, Raymond J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric and making the same. 2,103,919; Dec. 28.
Guba, Raymond J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Conveyer belt. 2,103,920; Dec. 28.

Guedon, Emile C., Audubon, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,103,361; Dec. 28.

Guilliams, Donald. (See Magee, William, assignor.)

Gullborg, Arthur V., Chicago, Ill. Screw part and driver. 2,103,944; Dec. 28.

Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,103,779; Dec. 28.

Gump, B. F., Co. (See Bauer, Hans A., assignor.)

Guth, Henry, assignor to one-twelfth to H. A. Maerlender, Cleveland, Ohio. Light weight construction composition. 2,103,746; Dec. 28.

Gylden Tone A/S. (See Johannessen, Jim, assignor.)

H & H Machine & Motor Parts Co. (See Holhut, M., and Vollmer, assignors.)

H & H Machine & Motor Parts Company. (See Michener, Edward R., assignor.)

H & H Machine & Motor Parts Co. (See Vollmer, Walter G., assignor.)

Haack, Friedrich W., Berlin, Germany. Pencil. 2,103,417; Dec. 28.

Hadley, Donald L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Self-measuring coffee basket. 2,103,780; Dec. 28.

Haegele, Otto P., assignor to Streeter-Amet Company, Chicago, Ill. Coupled weighing. 2,103,618; Dec. 28.

Hagebeuker, Karl, Solingen, Germany. Device for regulating cutting height. 2,103,418; Dec. 28.

Hale, Walter S. (See Balls, A. K., and Hale.)

Hall, Harvey C., Toronto, Ontario, Canada. Necktie. 2,103,456; Dec. 28.

Hall, Robert, Lockport, assignor to American District Steam Company, North Tonawanda, N. Y. Expansion joint structure. 2,103,981; Dec. 28.

Hallmark, Clyde E., Camden, N. J., assignor to Radio Corporation of America. Constant voltage generator. 2,103,619; Dec. 28.

Hamilton, Robert W. (See Hamilton, William R., and R. W.)

Hamilton Watch Company. (See Lodge, Alvin, assignor.)

Hamilton, William R., and R. W. Hamilton, assignors to Dominion Electric Protection Company, Montreal, Quebec, Canada. Flow controlled switch. 2,103,747; Dec. 28.

Hammar, Victor, E. E. Jansson, and O. Olsson, assignors to Aktiebolaget Bofors, Bofors, Sweden. Wheeled firearm. 2,103,670; Dec. 28.

Hammond, Lee C., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Tool setting gauge. 2,103,528; Dec. 28.

Hammond Machinery Builders, Inc. (See Hammond, Lee C., assignor.)

Handy, Arthur E., Lynbrook, assignor to Otis Elevator Company, New York, N. Y. Moving stairway. 2,103,327; Dec. 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Ultrahigh frequency magnetron oscillator. 2,103,362; Dec. 28.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency control line and circuit. 2,103,457; Dec. 28.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Signaling. 2,103,847; Dec. 28.

Hansen, Lorrin L., Rapid City, S. Dak. Indicator for multiple lock sets. 2,103,363; Dec. 28.

Hanson, Casper F., assignor to Olson Manufacturing Company, Albert Lea, Minn. Window. 2,103,364; Dec. 28.

Hanson, Hans C., and W. Olsen, Albert Lee, Minn. Fuel feeding system with thermostatic air control. 2,103,328; Dec. 28.

Hanson, Harold F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Yieldable gear. 2,103,781; Dec. 28.

Hanson-Van Winkle-Munning Company. (See Berger, Clarence E., assignor.)

Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,103,782; Dec. 28.

Hargreaves, Clifford, and R. Booth, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America. Warping artificial yarns. 2,103,458; Dec. 28.

Harju, Andrew A., Ashtabula, Ohio. Combined chair and stepladder. 2,103,671; Dec. 28.

Harnsberger, Audley E., Winnetka, assignor to The Pure Oil Company, Chicago, Ill. Method of and apparatus for heating oil. 2,103,719; Dec. 28.

Harper, Joseph W. (See Frank, W. H., and Harper.)

Harris, John M., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Mercoid switch. 2,103,459; Dec. 28.

Harris, Leonard T., Chicago Heights, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Co., New York, N. Y. Heavy duty abrasion resisting chain. 2,103,972; Dec. 28.

Harrison, Reginald. (See Burden, W. M., Genders, and Harrison.)

Harsch, John W., Gwynedd, assignor to Leeds & Northrup Company, Philadelphia, Pa. Heat treatment of steels. 2,103,848; Dec. 28.

Hart, Richard C., Brighton, N. Y. Device for playing cards. 2,103,460; Dec. 28.

Hart, Stanley, Berlin, Conn., and L. Zavorski, Easthampton, Mass., assignors to Tuttle & Bailey, Inc., New Britain, Conn. Adjustable register. 2,103,982; Dec. 28.

Hart, William J., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical apparatus. 2,103,816; Dec. 28.

Hartwig, William G., assignor to Railway Utility Co., Chicago, Ill. Automatic control for burners. 2,103,529; Dec. 28.

Hastings, Herbert, Brighton, N. Y. Timing device. 2,103,257; Dec. 28.

Hawkinson, John L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Display box. 2,103,419; Dec. 28.

Hazard, Frank A. (See Weimont, J., and Hazard.)

Hazel-Atlas Glass Company. (See Gray, Daniel M., assignor.)

Headland, Edwin A., Beaver, assignor to Ingram-Richardson Manufacturing Company, Beaver Falls, Pa. Tanning board. 2,103,983; Dec. 28.

Heard, Joseph R., Jr., assignor to Cesare Barbieri, New York, N. Y. Making glycols. 2,103,849; Dec. 28.

Heintz Manufacturing Company. (See Lambert, Albert L., and F. M., assignors.)

Heintz, Ralph M., Palo Alto, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Carburetor temperature control. 2,103,902; Dec. 28.

Helsel, Reuben H., Long Island City, assignor to General Register Corporation, New York, N. Y. Ticket issuing machine. 2,103,720; Dec. 28.

Hemphill Company. (See Lawson, R. H., and Cloutier, assignors.)

Henley, Norris B., Fort Myers, Fla. Electric bag sealer. 2,103,945; Dec. 28.

Henry, Carle D., assignor to Maine Steel, Inc., South Portland, Maine. System of equalizing the lifting speed of differently loaded hydraulic jacks. 2,103,530; Dec. 28.

Hensel, Henry A., Milwaukee, Wis., assignor to The Viking Corporation, Chicago, Ill. Sausage casing and effecting closure thereof. 2,103,258; Dec. 28.

Haphaest A.-G. für motorische Krafterzeugung. (See Graemiger, Benjamin, assignor.)

Hephaest A.-G. für motorische Krafterzeugung. (See Graemiger, B., and Ludin, assignors.)

Heraeus, W. C., G. m. b. H. (See Heraeus, Wilhelm H., assignor.)

Heraeus, Wilhelm H., assignor to the firm W. C. Heraeus, G. m. b. H., Hanau, Germany. Metal Gauze. 2,103,672; Dec. 28.

Hercules Powder Company. (See Alexander, Harvey B., assignor.)

Hercules Powder Company. (See Borglin, Joseph N., assignor.)

Hercules Powder Company. (See Martin, Robert W., assignor.)

Hercules Powder Company. (See Milliken, Mahlon G., assignor.)

Hercules Powder Company. (See Nash, Henry E., assignor.)

Herr, John H., Palisades, N. J. Shock absorber. 2,103,946; Dec. 28.

Herrmann, Paul J., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. Cigarette machine. 2,103,721; Dec. 28.

Herskind, Carl C., Scotia, N. Y., assignor to General Electric Company. Electric valve converting system. 2,103,903; Dec. 28.

Hess, Fred, Tredyffryn Township, Chester County, assignor to The Selas Company, Philadelphia, Pa. Gas burner. 2,103,365; Dec. 28.

Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)

Hiering, William C., assignor to The J. E. Mergott Company, Newark, N. J. Handbag frame. 2,103,724; Dec. 28.

Hibberd, Frederick H., Bayside, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus and method. 2,103,722; Dec. 28.

Hibberd, Frederick H., Bayside, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating construction. 2,103,723; Dec. 28.

Higgins, Ralph, Akron, assignor to The Ohio Brass Company, Mansfield, Ohio. Arcing gap. 2,103,366; Dec. 28.

Hildebrandt, Friedrich. (See Schoeller, W., Schwenk, and Hildebrandt.)

Hildreth, Harold F. (See Mosshart, Donald J., assignor.)

Hill, Dewey H., Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind. Humidity and temperature control system. 2,103,904; Dec. 28.

Hillner, Rudolph, Schenectady, N. Y., assignor to General Electric Company. Turbine bucket wheel notch block. 2,103,905; Dec. 28.

Hinsey, Robert S., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for supporting glass sheets. 2,103,850; Dec. 28.

Hitt, Henry C., Bremerton, Wash. Epicyclic gear train. 2,103,259; Dec. 28.

Hoban, Fairfield W., assignor to Stewart & McGuire, Inc., New York, N. Y. Dispensing machine. 2,103,367; Dec. 28.

Hock, Alfred L., A. Kirkham, and H. Spence, assignors to Peter Spence & Sons, Limited, Manchester, England. Vulcanization of rubber or other materials. 2,103,461; Dec. 28.

Hoferer, Daniel W., Long Beach, Calif. Pump valve. 2,103,673; Dec. 28.

Hogg, William J., assignor to The National Acme Company, Cleveland, Ohio. Chaser supporting block. 2,103,462; Dec. 28.

Holcomb, Raymond S., et al. (See Doty, Arthur A., assignor.)

Holhut, Michael, and W. G. Vollmer, assignors to H & H Machine & Motor Parts Co., St. Louis, Mo. Pouring jig. 2,103,531; Dec. 28.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Slackener control for loom warps. 2,103,783; Dec. 28.

Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 2,103,784; Dec. 28.

Holmes, Frederick J., Detroit, Mich. Fuel heater for internal combustion engines. 2,103,947; Dec. 28.

Holmes, Stanley T., et al. (See Bradford, William W., Jr., assignor.)

Hood, Charles E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt-treating machine. 2,103,260; Dec. 28.

Hoof, Addison C., Hinsdale, Ill. Fuel control mechanism. 2,103,368; Dec. 28.

Horn, Ernst. (See Carl, Ludwig, assignor.)

Horr, John V., Hastings on Hudson, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Cardboard display device. 2,103,748; Dec. 28.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield wiper. 2,103,973; Dec. 28.

Hosmer, Emery N. (See Verzi, Linus A., assignor.)

Howard, Charles R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp beam. 2,103,785; Dec. 28.

Howard, Clarence B., Oakland, Calif., assignor to E. H. Kueffer. Double circuit rotary switch. 2,103,287; Dec. 28.

Howard, John H., Huntington Park, and A. C. Catland, Alhambra; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif. Well reamer. 2,103,583; Dec. 28.

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Strip feed mechanism. 2,103,369; Dec. 28.

Hughes, Stewart W., Evanston, Ill. Applicator. 2,103,261; Dec. 28.

Huguley, Lucille A., et al. (See Coshow, Chester L., assignor.)

Hunt, Wilber V., North Acton, Mass. Method and apparatus for killing poultry. 2,103,288; Dec. 28.

Hunter, Fenley, assignor to Hunter Sash Company, Incorporated, Flushing, N. Y. Mounting for double panels. 2,103,532; Dec. 28.

Hunter Sash Company. (See Hunter, Fenley.)

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,103,533; Dec. 28.

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,103,534; Dec. 28.

Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Hair curler. 2,103,535; Dec. 28.

Hydraulic Press Corporation, Inc., The. (See Ernst, Walter, assignor.)

Hygrade Novelty Co. (See Greenwald, Herman.)

Hyle, Howard R., et al. (See Bradford, William W., Jr., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Reppe, W., and Schlichting, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schoeller, C., and Koerding, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Ufer, Hanns, assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Wilmanns, Gustav, assignor.)

Illinois Clay Products Company, The, et al. (See Jones, Otis L., assignor.)

Indge, Herbert S., Westboro, assignor to Norton Company, Worcester, Mass. Lapping machine. 2,103,984; Dec. 28.

Infant Socks Company. (See Longtin, William J., assignor.)

Inge, Melvin C., Brea, Calif. Stopcock. 2,103,536; Dec. 28.

Ingersoll-Rand Company. (See Hibberd, Frederick H., assignor.)

Ingersoll-Rand Company. (See Karr, Alfred D., assignor.)

Ingersoll-Rand Company. (See Kirgan, John, assignor.)

Ingram-Richardson Manufacturing Company. (See Headland, Edwin A., assignor.)

International Banding Machine Company. (See Malocsay, Francis X., assignor.)

Intertype Corporation. (See Freund, Herman R., assignor.)

Intertype Corporation. (See Willis, L. R. W., and Goodbody, assignors.)

Ion Corporation. (See Kott, Hermann, assignor.)

Ireks Aktiengesellschaft. (See Ruckdeschel, Hans, assignor.)

Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)

Jackson, Andrew, Memphis, Tenn. Steering gear lock for motor vehicles. 2,103,674; Dec. 28.

Jacobs, Michael, Toronto, Ontario, Canada, assignor, by mesne assignments, to Talon, Inc. Trousers and making the same. 2,103,985; Dec. 28.

Jacobson, Wilgot J., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Valve. 2,103,725; Dec. 28.

Jamba, Michael, Stamford, N. Y. Cowtail garter. 2,103,584; Dec. 28.

Janetschke, Erwin, Berlin-Charlottenburg, Germany, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical conversion system. 2,103,786; Dec. 28.

Jansson, Edvin E. (See Hammer, V. Jansson, and Olsson.)

Johannessen, Jim, assignor to Gylden Tone A/S., Bergen, Norway. Bridge foot piece for stringed musical instruments. 2,103,675; Dec. 28.

Johnson, Albert C., assignor to The Louden Machinery Company, Fairfield, Iowa. Hay fork. 2,103,370; Dec. 28.

Johnson, Bror E., Ålsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Apparatus for filling containers. 2,103,817; Dec. 28.

Johnson, Gustaf A., New Bedford, Mass. Electric switch. 2,103,986; Dec. 28.

Johnson Motor Company. (See Tanner, Philip A., assignor.)

Johnson, Robert I. (See Clayton, W., Back, Morse, and Johnson.)

Jones, Elmer, Los Angeles, Calif. Beach umbrella point. 2,103,948; Dec. 28.

Jones, George L., Garden City, and A. Winburn, assignors to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,103,851; Dec. 28.

Jones, Ira M. (See Kissel, William L., assignor.)

Jones, Lloyd T. (See Kennedy, H. E., Rotermund, and Jones.)

Jones, Otis L., assignor, by direct and mesne assignments of one-half to The Illinois Clay Products Company, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill. High temperature insulating composition. 2,103,463; Dec. 28.

Judelshon, Oscar I., Park Ridge, N. J. Drive for lathes and other machines. 2,103,464; Dec. 28.

Kallscher, Milton, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,103,683; Dec. 28.

Kapteyn, Paul, Berlin, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany. Device employing electronic tubes. 2,103,621; Dec. 28.

Karasiewicz, Cornelia, Detroit, Mich. Curling and crimping device. 2,103,676; Dec. 28.

Karlson, Julius H., Chicago, Ill. Guard for paring knives. 2,103,320; Dec. 28.

Karr, Alfred D., Newark, assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating apparatus. 2,103,726; Dec. 28.

Katzin, Martin. (See Peterson, H. O., and Katzin.)

Kaupp, Henry, Long Island, assignor to U. S. Galvanizing & Plating Equipment Corporation, Brooklyn, N. Y. Conveyer mechanism. 2,103,906; Dec. 28.

Kay Brunner Steel Products, Inc. (See Kay, Lloyd D., assignor.)

Kay-Brunner Steel Products, Inc. (See Low, John J., assignor.)

Kay, Lloyd D., Alhambra, Calif., assignor to Kay Brunner Steel Products, Inc. Brake and anchoring means therefor. 2,103,750; Dec. 28.

Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. Time switch. 2,103,907; Dec. 28.

Kellett, William P., New York, N. Y. Locking goods containers on transportation vehicles. 2,103,751; Dec. 28.

Kennedy, Harry E., M. A. Rotermund, and L. T. Jones, Berkeley, Calif., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electric welding. 2,103,727; Dec. 28.

Kessler, Julius, Brooklyn, N. Y. Knitting machine. 2,103,852; Dec. 28.

Killman, Robert T. (See Killman, Thomas A. and R. T.)

Killman, Thomas A. and R. T., Nashville, Tenn. Vegetable slicer. 2,103,537; Dec. 28.

Kimball, A., Company. (See Weimont, J., and Hazard, assignors.)

Kimble Glass Company. (See Kimble, H. K., and Richter, assignors.)

Kimble, Herman K., and H. Richter, assignors to Kimble Glass Company, Vineland, N. J. Method and apparatus for shaping bodies. 2,103,585; Dec. 28.

Kinzbach, Robert B., Houston, Tex. Side tracking apparatus. 2,103,622; Dec. 28.

Kinzie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Bearing. 2,103,465; Dec. 28.

Kirgan, John, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Refrigerating system. 2,103,728; Dec. 28.

Kirk, Ernest W. (See Ellis, G. H., and Kirk.)

Kirk, William F. (See Blake, Henry W., assignor.)

Kirkham, Alfred. (See Hock, A. L., Kirkham, and Spence.)

Kirkwood, Loren R., Collingswood, N. J., assignor to Radio Corporation of America. Multirange tunable oscillator. 2,103,853; Dec. 28.

Kissel, William L., Hartford, assignor to I. M. Jones, Thiensville, Wis. Vending machine. 2,103,289; Dec. 28.

Kistner, Herman H., Baltimore, Md., assignor to Kistner Lock & Appliance Company. Sash lock securing device. 2,103,987; Dec. 28.

Kistner Lock & Appliance Company. (See Kistner, Herman H., assignor.)

Kitchel, George B., Houston, and E. J. Roach, Beaumont, assignors to Beaumont Iron Works Company, Beaumont, Tex. Tubing head. 2,103,586; Dec. 28.

Klasing, Augustus F. (See Stolpe, Frederick J., assignor.)

Klaucke, Hermann, assignor to Baldwin-Duckworth Chain Corporation, Worcester, Mass. Conveyer. 2,103,680; Dec. 28.

Klaucke, Hermann, assignor to Baldwin-Duckworth Chain Corporation, Worcester, Mass. Chuck. 2,103,681; Dec. 28.

Kleckner, Arthur C., Racine, Wis. Therapeutic device. 2,103,471; Dec. 28.

Klemm, Herman G., Baltimore, and B. C. Boulton, Towson, assignors to Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,103,466; Dec. 28.

Kline, Walter, Wellington, and W. A. Brubaker, Akron; said Kline assignor to E. H. Morrison, Wellington, Ohio. Spaced wall receptacle. 2,103,677; Dec. 28.

Kline, Walter, Wellington, and W. A. Brubaker, Akron; said Kline assignor to E. H. Morrison, Wellington, Ohio. Refrigerated shipping and/or storing vessel. 2,103,678; Dec. 28.

Kline, Walter, Wellington, and W. A. Brubaker, Akron; said Kline assignor to E. H. Morrison, Wellington, Ohio. Shipping and/or storing carboy. 2,103,679; Dec. 28.

Knerr, Hugh J., Osborn, Ohio. Flowmeter. 2,103,262; Dec. 28.

Knoebel, Walter C., assignor to D. M. Smith, Kirkwood, Mo. Piston expander. 2,103,665; Dec. 28.

Knol, Clarence, Grand Rapids, Mich. Garment supporting attachment. 2,103,854; Dec. 28.

Koch, Lydia B., New York, N. Y. Container. 2,103,290; Dec. 28.

Koenig, Emanuel, et al. (See Greenwald, Herman, assignor.)

Koehler, Maxemilian E., Washington, D. C. Scalp-Treating device. 2,103,949; Dec. 28.

Koerding, Paul. (See Schoeller, C., and Koerding.)

Kolb, Frank P., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reflector. 2,103,538; Dec. 28.

Kolozsy, Louis W., Astoria, assignor to Television and Electric Corporation of America, New York, N. Y. Method of and apparatus for producing television pictures. 2,103,420; Dec. 28.

Konikoff, Robert H., Astoria, assignor to Schranz & Bieber Co. Inc., New York, N. Y. Game apparatus. 2,103,467; Dec. 28.

Knott, Hermann, New York, N. Y., assignor by mesne assignments, to Ion Corporation, Short Hills, N. J. Electron discharge device for electronically bombarding materials. 2,103,623; Dec. 28.

Kreer, John G., Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,103,468; Dec. 28.

Kremer, John, Southport, Conn. Apparatus for baking dough products and the like. 2,103,469; Dec. 28.

Kroydon Company, The. (See Brisick, Joseph C., assignor.)

Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Presser mechanism for sewing machines. 2,103,470; Dec. 28.

Kucera, Jaroslav, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,103,818; Dec. 28.

Kuehar, Joseph, assignor to Athey Truss Wheel Co., Chicago, Ill. Spring wind-up for wagons. 2,103,471; Dec. 28.

Kueffer, E. H. (See Howard, Clarence B., assignor.)

Kuhn, Frederick A., Meriden, assignor to The Lyman Gun Sight Corporation, Middlefield, Conn. Telescope sight mounting. 2,103,539; Dec. 28.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Power plant. 2,103,685; Dec. 28.

La Bour Company, The. (See La Bour, Harry E., assignor.)

La Bour, Harry E., assignor to The La Bour Company, Inc., Elkart, Ind. Alloy. 2,103,855; Dec. 28.

La Fetra, Harry L., New York, N. Y. Collapsible table unit. 2,103,330; Dec. 28.

Lake, Donald W. (See Sperry, P. F., and Lake.)

Lambert, Albert L., and F. M. Narberth, assignors to Heintz Manufacturing Company, Philadelphia, Pa. Watertight door. 2,103,291; Dec. 28.

Lambert, Francis M. (See Lambert, Albert L., and F. M.)

Landis Tool Company. (See Balsiger, Harold E., assignor.)

Lang, Franz, Munich, Germany, assignor by mesne assignments, to Lanova Corporation, New York, N. Y. Air chamber Diesel engine. 2,103,423; Dec. 28.

Lange, Hermann, Erlenbach, Switzerland. Sliding hood. 2,103,372; Dec. 28.

Lanova Corporation. (See Lang, Franz, assignor.)

Lantz, Louis A., A. L. Morrison, and W. S. Miller, assignors to The Calico Printers' Association Limited, Manchester, England. Ornamentation of textile fabrics. 2,103,587; Dec. 28.

Lascari, John, Unionville, Conn. Shoe cleat. 2,103,472; Dec. 28.

Lawson, Robert H., Pawtucket, and A. N. Cloutier, Lonsdale, assignors to Hemphill Company, Central Falls, R. I. Knitted fabric and knitting the same. 2,103,908; Dec. 28.

Leach, Harry, Providence, R. I. Seal. 2,103,292; Dec. 28.

Le Bleu, Charles, Los Angeles, Calif. Scraper. 2,103,588; Dec. 28.

Le Blond, R. K., Machine Tool Company, The. (See Pierle, Henry C., assignor.)

Le Bus, George E., Longview, Tex. Fishing tool for well drilling. 2,103,988; Dec. 28.

Lee Engineering Research Corporation. (See Lee, R., and Egedal, assignors.)

Lee, Royal, and L. E. Egedal, assignors to Lee Engineering Research Corporation, Milwaukee, Wis. Motor speed regulator. 2,103,589; Dec. 28.

Leeds & Northrup Company. (See Harsch, John W., assignor.)

Leeds, Reginald E. (See Dudding, B. P., and Leeds.)

Le Compte, Melanie. (See Filion, Melanie, née La Compte.)

Lefevre, André R., assignor to Société Anonyme Andre Citroen, Paris, France. Resilient suspension device for motor cars or other vehicles. 2,103,590; Dec. 28.

Lehman, Carl E., Chicago, Ill. Faucet attachment spray plate and process for making the same. 2,103,424; Dec. 28.

Lehman, Carl E., Chicago, Ill. Faucet attachment. 2,103,425; Dec. 28.

Leighton, John W., Port Huron, Mich. Spring or shackle mounting. 2,103,729; Dec. 28.

Le Masson, Marcel, Paris, France. Grilling and toasting device. 2,103,426; Dec. 28.

Lester, Hugh L. P., Greens Norton, Towcester, England. Motor road vehicle. 2,103,624; Dec. 28.

Leukert, Wilhelm, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Converting system for reversible alternating current-direct current conversion. 2,103,950; Dec. 28.

Lever Brothers Company. (See Andersen, Carl N., assignor.)

Le Vesconte, Harold J., Western Springs, and A. M. Schweda, assignors to Union Special Machine Company, Chicago, Ill. Lubricating system for sewing machines. 2,103,473; Dec. 28.

Lewis, Everett M., Tulsa, Okla. Apparatus for making burial coffins. 2,103,951; Dec. 28.

Lewis, Roy A., Bethlehem, and C. Schenck, Coopersburg, Pa., assignors to Bethlehem Steel Company. Welded car underframe. 2,103,730; Dec. 28.

Libbey-Owens-Ford Glass Company. (See Hinsey, Robert S., assignor.)

Libby-Owens-Ford Glass Company. (See Lowry, Clyde D., assignor.)

Libbey-Owens-Ford Glass Company. (See Shock, Harry C., assignor.)

Libbey-Owens-Ford Glass Company. (See Watkins, G. B., and Wampler, assignors.)

Lier, Henrich, assignor to the firm of Chemical Works, formerly Sandoz, Basel, Switzerland. Manufacture and use of wetting preparations. 2,103,819; Dec. 28.

Liessmann, Frederick, assignor to Electrical Research Laboratories, Inc., Chicago, Ill. Dial. 2,103,856; Dec. 28.

Lilienfeld, Leon, Vienna, Austria. Carbohydrate derivatives and making the same. 2,103,952; Dec. 28.

Lindberg, Gustav R., Overum, Sweden. Reversible planetary piston pump. 2,103,474; Dec. 28.

Lindsey, William D., South Orange, N. J., assignor, by mesne assignments, to The Sealand Corporation. Signal system. 2,103,857; Dec. 28.

Lindsly, Ben E., Washington, D. C. Apparatus for taking fluid samples. 2,103,475; Dec. 28.

Linton, Irwin H., et al. (See McCrary, Pierce R., assignor.)

Lippard, Herman I., Lansdowne, Pa. Tag printing device. 2,103,752; Dec. 28.

Lippert, Arnold L., assignor to Joseph Bancroft & Sons Co., Wilmington, Del. Chintz. 2,103,293; Dec. 28.

Lipson, John, and N. Lipson, Toronto, Ontario, Canada. Hosiery drying and pressing device. 2,103,909; Dec. 28.

Lipson, Nathaniel. (See Lipson, John, and N.)

Livermore, William T., Westfield, N. J. Change speed transmission. 2,103,540; Dec. 28.

Lodge, Alvin, assignor to Hamilton Watch Company, Lancaster, Pa. Dial for watches and other instruments. 2,103,263; Dec. 28.

Loeffler, Bruno, Plainfield, N. J., assignor to Mack Manufacturing Corporation. Supercharging mechanism for diesel engines. 2,103,974; Dec. 28.

Long, Fred R., Catawissa, Pa. Combined pipe union and ball check valve. 2,103,427; Dec. 28.

Long, Leonard D., Charleston, S. C. Display stand. 2,103,684; Dec. 28.

Longtin, William J., assignor to Infant Socks Company, Reading, Pa. Hosiery. 2,103,625; Dec. 28.

Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Feed device. 2,103,264; Dec. 28.

Lott, William A., Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Acrylic acid derivatives. 2,103,265; Dec. 28.

Lott, William A., Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Acylated diols. 2,103,266; Dec. 28.

Louden Machinery Company, The. (See Johnson, Albert C., assignor.)

Low, John J., Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc. Winch. 2,103,541; Dec. 28.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,103,731; Dec. 28.

Lowry, Clyde D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sash and store front construction. 2,103,732; Dec. 28.

Lucek, Charles W., Forest Hills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph test board circuit. 2,103,476; Dec. 28.

Lucas, John E., et al (See Coshow, Chester L., assignor.)

Lucking, David F., Felixstowe, England. Anchor for ships or the like. 2,103,477; Dec. 28.

Ludin, Werner. (See Graemiger, B., and Ludin.)

Luly, Edgar L., London, England, assignor to The Babcock & Wilcox Company, Newark, N. J. Evaporator. 2,103,521; Dec. 28.

Lung, Kenneth R., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind. Windmill. 2,103,910; Dec. 28.

Luschinsky, Eugen, Vienna, Austria. Automobile vehicle for forward and backward travel. 2,103,858; Dec. 28.

Lutes, Cecil C., Bellingham, Wash. Game apparatus. 2,103,428; Dec. 28.

Lutz, Frederick, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany. Sewing machine. 2,103,478; Dec. 28.

Lyman Gun Sight Corporation, The. (See Kuhn, Frederick A., assignor.)

MacFarren, Walter W., Los Angeles, Calif. Building construction. 2,103,859; Dec. 28.

Machinist, Harold, Sunnyside, Long Island, N. Y., assignor to Dudley Lock Corporation, Chicago, Ill. Bar lock. 2,103,989; Dec. 28.

Mack Manufacturing Corporation. (See Goldsmith, John, assignor.)

Mack Manufacturing Corporation. (See Loeffler, Bruno, assignor.)

MacLean-Fogg Lock Nut Company. (See Rowe, Lawrence A., assignor.)

Madison-Kipp Corporation. (See Schultz, Raymond J., assignor.)

Maerlender, Hugo A. (See Guth, Henry, assignor.)

Magee, William, Park Ridge, assignor, by mesne assignments, of ten per cent to D. Guilliams, Evanston, Ill. Household carbonator. 2,103,479; Dec. 28.

Magnesium Development Corporation. (See Suchy, R., and Seliger, assignors.)

Maine Steel, Inc. (See Henry, Carle D., assignor.)

Malocsay, Francis X., Upper Saddle River, N. J., assignor to International Banding Machine Company. Cigar labeling and wrapping machine. 2,103,626; Dec. 28.

Mandell, Ambrose J., deceased, Westfield, N. J.; E. Mandell, administrator of said A. J. Mandell, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Alloy for vacuum tube elements. 2,103,267; Dec. 28.

Mandel, Edward, administrator. (See Mandell, Ambrose J.)

Marley Company, The. (See Mart, Leon T., assignor.)

Mart, Leon T., Johnson County, Kans., assignor to The Marley Company, Kansas City, Mo. Cooling liquids. 2,103,542; Dec. 28.

Martin, George D., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Rubber composition and preservation of rubber. 2,103,686; Dec. 28.

Martin, Glenn L., Company, The. (See Klemm, H. G., and Boulton, assignors.)

Martin, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Dehydrating pine oil. 2,103,429; Dec. 28.

Mason, Howard F., Los Angeles, Calif. Gib for elevator guide shoes. 2,103,480; Dec. 28.

Mason, John M., Washington, D. C. Starting gate. 2,103,968; Dec. 28.

Mathes, Robert C., Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system and method. 2,103,481; Dec. 28.

Mathews, Edward F., Weymouth, Mass. Welting and making the same. 2,103,331; Dec. 28.

Matthews, George A., assignor to The Detroit-Edison Company, Detroit, Mich. Circuit breaker operating means. 2,103,268; Dec. 28.

Maul Pineapple Company. (See Crutchfield, C. L., and Foster, assignors.)

Maurer, Keith L., Rockville Centre, N. Y., and L. K. Swart, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company. Electrical protective system. 2,103,430; Dec. 28.

Mauro, Frances P., et al. (See McCrary, Pierce R., assignor.)

Mayer, William J., Glenside, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle ventilating system. 2,103,990; Dec. 28.

Mayne, Lyle K. (See Davis, C. F., Brush, and Mayne.)

Maxmoor Corporation. (See Moore, Arlington, assignor.)

Mayfield, Walter W., Jefferson City, Mo. Pole and guy calculator. 2,103,332; Dec. 28.

Mazzeo, Hector, Buenos Aires, Argentina. Machine for producing rubber and similar articles. 2,103,860; Dec. 28.

McCandless, Lyon, Beaver Falls, Pa. Liquid measuring device. 2,103,482; Dec. 28.

McClure, Martin J., El Paso, Ill. Box. 2,103,373; Dec. 28.

McCord Radiator & Mfg. Co. (See Powers, William J., assignor.)

McCormick, Elmer, and W. H. Worthington, assignors to John Deere Tractor Company, Waterloo, Iowa. Transmission. 2,103,543; Dec. 28.

McCrary, Pierce R., York, Pa., assignor of twenty-five per cent to I. H. Linton and ten per cent to F. P. Mauro, Washington, D. C. Internal combustion engine. 2,103,787; Dec. 28.

McCune, Burton W., et al. (See Fletcher, Allen H., assignor.)

McCutchen, Brunson S. (See Frantz, S. G., and McCutchen.)

McGlone, Ronald A. (See Albrecht, H. O., McGlone, and Roskosky.)

McGuire, Donald E. (See Clauss, J. A., and McGuire.)

McKenney, Maurice L., Syracuse, N. Y. Liquid dispensing device. 2,103,687; Dec. 28.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and dyeing therewith. 2,103,269; Dec. 28.

McNeal, Daniel R., Abington, assignor to Andale Company, Philadelphia, Pa. Rotary strainer. 2,103,483; Dec. 28.

McQuoid, Frank. (See Roberts, Bruce, assignor.)

McWade, Walter N., Overland Park, Kans., assignor of one-half to M. A. Sticelber, Kansas City, Mo. Refrigerated sealing equipment. 2,103,544; Dec. 28.

McWeeny, John L., Chicago, Ill. Projecting and magnifying tuning indicia. 2,103,333; Dec. 28.

McWeeny, John L., Chicago, Ill. Dimming radio lights. 2,103,334; Dec. 28.

Mechanical Handling Systems, Inc. (See Francis, Lynn M., assignor.)

Melcher, Lee W., assignor to Waukesha Motor Company, Waukesha, Wis. Motor and compressor unit. 2,103,861; Dec. 28.

Melcher, Lee W., assignor to Waukesha Motor Company, Waukesha, Wis. Refrigerating unit. 2,103,862; Dec. 28.

Meller, William O., Monroe, assignor to Woodall Industries Incorporated, Detroit, Mich. Visor construction. 2,103,863; Dec. 28.

Merck & Co. Inc. (See Roeder, Georg, assignor.)

Mergott, J. E., Company, The. (See Hiering, William C., assignor.)

Merrick, Frank W., Boston, assignor to American Stay Company, East Boston, Mass. Loom picker. 2,103,991; Dec. 28.

Merrill, David R., Long Beach, and P. Subkow, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oil. 2,103,591; Dec. 28.

Mertens, Cyril P. (See Sullivan, William J., assignor.)

Mesick, Harry F., Jr., and M. J. Gross, assignors to General Electric X-Ray Corporation, Chicago, Ill. X-ray tube. 2,103,335; Dec. 28.

Meyer, Bernard P., et al. (See Fletcher, Allen H., assignor.)

Meyer, Pierre H., New York, N. Y. Angular display shelf. 2,103,484; Dec. 28.

Meyer, Pierre H., Mount Vernon, N. Y. Variable inclination supporting bracket. 2,103,485; Dec. 28.

Meyerstein, Anthony M., Inc., et al. (See Meyerstein, Anthony M., assignor.)

Meyerstein, Anthony M., Nutley, N. J., assignor of three-fourths to Rosoff Bros., Inc., Brooklyn, and one-fourth to Anthony M. Meyerstein, Inc., New York, N. Y. Water sealed door for bottom-discharging receptacles. 2,103,975; Dec. 28.

Michener, Edward R., assignor to H & H Machine & Motor Parts Company, St. Louis, Mo. Cylinder reboring-plate. 2,103,294; Dec. 28.

Mid-West Forging Company. (See Bardell, Nicholas J., assignor.)

Mikan, Victor, Durand, Mich. Apparatus for eliminating soft stone from gravel. 2,103,374; Dec. 28.

Miller, Edward W., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Helical gear shaping machine. 2,103,911; Dec. 28.

Miller, William S. (See Lantz, L. A., Morrison, and Miller.)

Milliken, Mahlon G., assignor to Hercules Powder Company, Wilmington, Del. Stabilizing nitrocellulose. 2,103,592; Dec. 28.

Milliken, Mahlon G., assignor to Hercules Powder Company, Wilmington, Del. Apparatus for stabilizing nitrocellulose. 2,103,593; Dec. 28.
Mills, Hubert E. (See Perkins, E. H., and Mills.)
Milutin, Theodore A., Dearborn, Mich. Brake adjusting tool. 2,103,688; Dec. 28.
Miollis, Raymond, Barron, Wis. Apparatus for making cheese. 2,103,545. Dec. 28.
Mirenta, August, Tacoma, Wash. Arch support. 2,103,627; Dec. 28.
Mohrfeld, Herbert H., Collingswood, N. J. Venetian blind. 2,103,788; Dec. 28.
Molson, Hartland de M. (See Algarsson, Grettir, assignor.)
Monsanto Chemical Company. (See Martin, George D., assignor.)
Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Bearing. 2,103,912; Dec. 28.
Moohl, Johan G. (See Motch, E. R., Jr., and Moohl.)
Moon, Herbert J. (See Smith, A. T., and Moon.)
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Supplying fuel for engine idling. 2,103,628; Dec. 28.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Anterior throttle carburetor. 2,103,629; Dec. 28.
Morin, Paul G., Apponaug, R. I. Cleat. 2,103,630; Dec. 28.
Morrell, George, Corporation. (See Morrell, George, assignor.)
Morrell, George, Muskegon, assignor to George Morrell Corporation, Muskegon Heights, Mich. Producing varicolored casein. 2,103,546; Dec. 28.
Morris, Marion W., Logansport, Ind., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Automatic starting system. 2,103,375; Dec. 28.
Morris, Roy H., Brownwood, Tex. Burial vault. 2,103,547; Dec. 28.
Morrison, Alexander L. (See Lantz, L. A., Morrison, and Miller.)
Morrison, Ethel H. (See Kline W., assignor, and Brubaker.)
Morse, James F. (See Clayton, W., Back, Morse, and Johnson.)
Morton, Harold S., St. Paul, Minn. Stoker control and maintaining desired fuel bed resistance. 2,103,913; Dec. 28.
Moseley, Tomlinson L., assignor to Dalmo Sales Corporation, San Francisco, Calif. Window construction. 2,103,864; Dec. 28.
Mosshart, Donald J., Springfield, Pa., assignor of one-half to H. F. Hilldreth, Mansfield, Ohio. Domestic heater. 2,103,789; Dec. 28.
Motch and Merryweather Machinery Company, The. (See Motch, E. R., Jr., and Moohl, assignors.)
Motch, Edwin R., Jr., Cleveland, and J. G. Moohl, South Euclid, assignors to The Motch and Merryweather Machinery Company, Cleveland, Ohio. Rotary tool machine. 2,103,486; Dec. 28.
Mucha, Joseph, Neenah, Wis. Antiskidding device for motor vehicles. 2,103,295; Dec. 28.
Mueller, Robert A., Houston, Tex. Controlling wells. 2,103,431; Dec. 28.
Mullen, James F., Jr., Lincoln Park, Mich. Carburetor. 2,103,689; Dec. 28.
Müller, Anna L., et al., executors. (See Müller, John H.)
Müller, John H., deceased, Secane, Pa.; A. L. Müller and Provident Trust Co., executors of said J. H. Müller, assignors to Silver Oxide Products Company, Incorporated. Disinfective and antiseptic compounds for the treatment of ulcers, sores, and the like. 2,103,999; Dec. 28.
Müller, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie G. m. b. H., Berlin, Germany. Rectifying and filtering system. 2,103,487; Dec. 28.
Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can spraying machine. 2,103,270; Dec. 28.
Muros, Joseph, Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,103,753; Dec. 28.
Murray, Homer R., Fairfield, Iowa. Appliance for preparing bodies for burial. 2,103,376; Dec. 28.
Murray, John M., New York, N. Y. Glove. 2,103,594; Dec. 28.
Myers, Walter, Bridgeport, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Beaded edged article and method. 2,103,631; Dec. 28.
N. V. Philips' Gloeilampenfabrieken. (See Posthumus, K., and Nordlohne, assignors.)
Nash, Henry E., assignor to Hercules Powder Company, Wilmington, Del. Electrical firing device. 2,103,432; Dec. 28.
Nason, Horace E., Berwyn, Ill., assignor to Westinghouse Electric & Manufactnring Company, East Pittsburgh, Pa. Control system. 2,103,790; Dec. 28.
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Acme Company, The. (See Eckardt, Rudolf, assignor.)
National Acme Company, The. (See Hogg, William J., assignor.)
National Acme Company, The. (See Simpson, Charlie W., assignor.)
National Aviation Research Corporation. (See De Florez, Luis, assignor.)
National Electric Products Corporation. (See Ganoe, Ernst A. G., assignor.)
National Enameling & Stamping Company. (See Smith, A. T., and Moon, assignors.)
National Lock Co. (See Wade, William, assignor.)
National Lock Co. (See Wade, W., and North, assignors.)
National Twist Drill & Tool Company. (See Oxford, Carl J., assignor.)
Neidich, Samuel A., Burlington, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Communicating transfer medium. 2,103,690; Dec. 28.
Neldner, Stephen W., Milwaukee, Wis. Meat tenderer. 2,103,914; Dec. 28.
Nelson, Alfred W., Camden, N. J. Iternal combustion engine. 2,103,595; Dec. 28.
Nelson, Martin L., Park Ridge, H. C. Robinson, Chicago, and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Transmitting and receiving system. 2,103,296; Dec. 28.
Nelson, Martin L., Park Ridge, Ill., H. C. Robinson, Baltimore, Md., and J. I. Bellamy, Brookfield, assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Stock-quotation system. 2,103,297; Dec. 28.
New Britain Machine Company, The. (See Montgomery, Donald H., assignor.)
Newton, Noel B., Acton, London, England. Friction clutch. 2,103,433; Dec. 28.
Nichols, Thomas W., London, assignor of one-half to Tilghman's Patent Sand Blast Company, Limited, Broadheath, near Manchester, England. Cooling system for rotary machines. 2,103,632; Dec. 28.
Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Thermometer. 2,103,633; Dec. 28.
Nodine, Frederick A., Terryville, assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn. Thermometer. 2,103,634; Dec. 28.
Nonnekens, Jacobus C., Eindhoven, Netherlands, assignor to Radio Corporation of America. Superheterodyne automatic gain control system. 2,103,865; Dec. 28.
Nordlohne, Pierre J. H. A. (See Posthumus, K., and Nordlohne.)
Norris, Kathleen, Palo Alto, Calif. Hand cart. 2,103,866; Dec. 28.
North, Edwin. (See Wade, W., and North.)
Northen, Charles, Orlando, Fla. Colloidal plant food and stimulant. 2,103,953; Dec. 28.
Norton Company. (See Indge, Herbert S., assignor.)
Norton, Raymond P., Algona, Iowa. Valve reseating tool. 2,103,377; Dec. 28.
Novoveszky, Stefan, St. Louis, Mo. Portable light. 2,103,336; Dec. 28.
Obermaier, John A., Chicago, Ill. Electric connecter. 2,103,548; Dec. 28.
Oestnaes, Victor L., Westfield, and C. A. Swanstrom, Irvington, N. J., assignors to American Gasaccumulator Company. Time delay apparatus. 2,103,378; Dec. 28.
Ohio Brass Company, The. (See Higgins, Ralph, assignor.)
Ohio Brass Company, The. (See Walker, Robert H., assignor.)
Ohlsen, Niels, Chicago, Ill. Apparatus for treating garbage. 2,103,488; Dec. 28.
Oil Well Manufacturing Corporation. (See White, Clarence, assignor.)
Olmstead, Frederick A., Cleveland Heights, assignor to The Chain Products Company, Cleveland, Ohio. Tire lug. 2,103,550; Dec. 28.
Olsen, Walter. (See Hanson, H. C., and Olsen.)
Olson Manufacturing Company. (See Hanson, Casper F., assignor.)
Olsson, Otto. (See Hammer, V., Jansson, and Olsson.)
O'Neil, Donald. (See O'Neil, Matthew G., assignor.)
O'Neil, Matthew G., assignor to D. O'Neil, Dallas, Tex. Apparatus for making emulsions of bituminous materials. 2,103,549; Dec. 28.
Oswego Falls Corporation. (See Sidon, Max, assignor.)
Otis Elevator Company. (See Handy, Arthur E., assignor.)
Oury, John F., Chicago, Ill. Expansion joint. 2,103,337; Dec. 28.
Oxford, Carl J., assignor to National Twist Drill & Tool Company, Detroit, Mich. Forming a rotary tool. 2,103,379; Dec. 28.
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Palmer, DeWitt H., Elkhart, Ind. Apparatus for purifying oil. 2,103,635; Dec. 28.
Palmer, Edward E., Fitzwilliam, N. H. Coat and vest hanger. 2,103,691; Dec. 28.
Pankonin, William G., Chicago, Ill. Stapling device. 2,103,551; Dec. 28.
Paper Supply Company. (See Bolyard, Charles C., assignor.)
Park, Andrew J., Pueblo, Colo. Resilient wheel. 2,103,867; Dec. 28.

Parker Rust Proof Company. (See Gordon, Robert H., assignor.)
Pavelka, Frank E., San Antonio, Tex. Amusement apparatus. 2,103,954; Dec. 28.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Picking motion for looms. 2,103,820; Dec. 28.
Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-off for looms. 2,103,821; Dec. 28.
Pearce, Austin W., Memphis, Tenn. Ashtray. 2,103,754; Dec. 28.
Pearson, John M., Aldan, assignor to Sun Oil Company, Philadelphia, Pa. Electrical measuring method and apparatus. 2,103,636; Dec. 28.
Pen-Chlor, Inc. (See Dietz, K., and Frank, assignors.)
Pennebaker, Robert H., Baton Rouge, La. Oil filter. 2,103,434; Dec. 28.
People of the United States, Free use of the. (See Balls, A. K., and Hale, assignors.)
Pepper, Robert K. and S. C. V., Syracuse, N. Y. Power transmission apparatus. 2,103,791; Dec. 28.
Pepper, Samuel C. V. (See Pepper, Robert K. and S. C. V.)
Perkins, Edward H., and H. E. Mills, Midland, assignors, by mesne assignments, to Whitehead & Kales Company, River Rouge, Mich. Vehicle running gear. 2,103,381; Dec. 28.
Perlman, Geo. J., Co. (See Driscoll, Oris M., assignor.)
Perry, Ira D., Muskegon, Mich. Tire valve and the like. 2,103,822; Dec. 28.
Perry, Walter M., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector mechanism. 2,103,868; Dec. 28.
Peterson, Alfred J. A., and C. E. Valentine, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control switch. 2,103,792; Dec. 28.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Amplifier circuit. 2,103,489; Dec. 28.
Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating circuits. 2,103,490; Dec. 28.
Peterson, Harold O., and M. Katzin, Riverhead, N. Y., assignors to Radio Corporation of America. Signaling circuit. 2,103,869; Dec. 28.
Petter, Noel A., Los Angeles, Calif. Egg carton. 2,103,382; Dec. 28.
Philpott, La Verne R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Facsimile transmission. 2,103,793; Dec. 28.
Phosphate Recovery Corporation. (See Tartaron, F. X., and Duke, assignors.)
Pierle, Henry C., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Multiple spindle center drive crank shaft lathe. 2,103,298; Dec. 28.
Piotrowski, Waclaw J., and J. Winkler, Drohobycz, Poland. Production of secondary and tertiary alkyl monochlorides. 2,103,692; Dec. 28.
Pittsburgh Dry Stencil Company. (See Greenslade, Grover R., assignor.)
Pittsburgh Steel Company. (See Edge, Walter S., assignor.)
Place, Blon C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Upholstery button. 2,103,955; Dec. 28.
Poch, Waldemar J., Collingswood, N. J., assignor to Radio Corporation of America. Automatic volume control circuit. 2,103,637; Dec. 28.
Pohl, Ernst, Kiel, Germany. Radiographic couch. 2,103,693; Dec. 28.
Pool, Melvin, assignor to A. N. Burns, Oklahoma City, Okla. Game. 2,103,435; Dec. 28.
Posthumus, Klaas, Eindhoven, Netherlands, assignor to Radio Corporation of America. Oscillation generator. 2,103,638; Dec. 28.
Posthumus, Klaas, and P. J. H. A. Nordlohne, assignors to N. V. Philips Gloeilampenfabrieken, Eindhoven, Netherlands. Ultrahigh frequency oscillator. 2,103,338; Dec. 28.
Powers, William J., assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Sight feed device. 2,103,733; Dec. 28.
Pratt, Raymond C., assignor to H. B. Dodge and Company, Chicago, Ill. Venetian blind slat and making. 2,103,271; Dec. 28.
Probst, Karl K., Toledo, Ohio, assignor to General Motors Corporation, Detroit, Mich. Vehicle construction. 2,103,915; Dec. 28.
Provident Trust Co. et al., executors. (See Müller, John H.)
Public, Dedicated to the free use of the. (See Barber, George W.)
Pure Oil Company, The. (See Carr, Richard H., assignor.)
Pure Oil Company, The. (See Harnsberger, Audley E., assignor.)
Radioaktiengesellschaft D. S. Loewe. (See Kapteyn, Paul, assignor.)
Radio Corporation of America. (See Banca, Maggio C., assignor.)
Radio Corporation of America. (See Conklin, J. W., and Battermann, assignors.)
Radio Corporation of America. (See Frantz, S. G., and McCutchen, assignors.)
Radio Corporation of America. (See Guedon, Emile C., assignor.)
Radio Corporation of America. (See Hallmark, Clyde E., assignor.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Kirkwood, Loren R., assignor.)
Radio Corporation of America. (See Mandell, Ambrose J., assignor.)
Radio Corporation of America. (See Nonnekens, Jacobus C., assignor.)
Radio Corporation of America. (See Peterson, H. O., and Katzin, assignors.)
Radio Corporation of America. (See Poch, Waldemar J., assignor.)
Radio Corporation of America. (See Posthumus, Klaas, assignor.)
Radio Corporation of America. (See Schrader, Harold J., assignor.)
Radio Corporation of America. (See Thompson, Leland E., assignor.)
Radio Corporation of America. (See Whitaker, James N., assignor.)
Radio Corporation of America. (See Zworykin, Vladimir K., assignor.)
Radyx, Alexander, Denver, Colo. Combined cabinet, table, and seat. 2,103,552; Dec. 28.
Raigorodsky, Paul M., Tulsa, Okla. Air conditioning system. 2,103,596; Dec. 28.
Railway Utility Co. (See Hartwig, William G., assignor.)
Rampacher, Fritz, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company. Circuit breaker. 2,103,794; Dec. 28.
Ravnsbeck, Fred, Chicago, Ill., assignor to Ace Engineering Co. Handling liquids. 2,103,299; Dec. 28.
Ravenscroft, Arley E., Denbigh, Va. Cable cutter. 2,103,597; Dec. 28.
Read, Archie, Newcastle-on-Tyne, England. Controlling automatic Diesel electric generators. 2,103,491; Dec. 28.
Refinery Supply Company. (See Gregory, Lon S., assignor.)
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Combined vanity case, cigarette case, and lighter. 2,103,755; Dec. 28.
Reiser, John G., Toledo, Ohio. Photographic apparatus. 2,103,694; Dec. 28.
Reppe, Walter, and O. Schlichting, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products from vinyl ethers. 2,104,000; Dec. 28.
Reppe, Walter, and O. Schlichting, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Product of polymerization products from vinyl ethers. 2,104,001; Dec. 28.
Reppe, Walter, and O. Schlichting, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of polymerization products from vinyl ethers. 2,104,002; Dec. 28.
Reynolds, Joseph H., Cisco, Tex. Self-cooling bed and couch cushion. 2,103,553; Dec. 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Precipitation or setting of hydroxy-cellulose ethers from alkaline aqueous solutions. 2,103,639; Dec. 28.
Richter, George A., assignor to Brown Company, Berlin, N. H. Paper manufacture. 2,103,640; Dec. 28.
Richter, Harry. (See Kimble, H. K., and Richter.)
Ries, Ferdinand. (See Selfried, S., and Ries.)
Riley Stoker Corporation. (See Kuhner, Max H., assignor.)
Rinehimer, Clarence, Chicago, Ill. Advertising device. 2,103,756; Dec. 28.
Roach, Edmund J. (See Kitchel, G. B., and Roach.)
Roberts, Bruce, Hollywood, assignor to F. McQuoid, Los Angeles, Calif. Animated sign. 2,103,300; Dec. 28.
Roberson, Harvey D., assignor to Wachusett Shirt Company, Leominster, Mass. Collar. 2,103,492; Dec. 28.
Robertson, Charles P., Upper Clapton, London, England. Dispensing device. 2,103,493; Dec. 28.
Robertson, William W., Marlboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Control mechanism for shuttle changing looms. 2,103,823; Dec. 28.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Vibration arrester for tube frames. 2,103,824; Dec. 28.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for axminster looms. 2,103,825; Dec. 28.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle motion for axminster looms. 2,103,826; Dec. 28.
Robertson, William W., Northboro, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Vibration arrester for tube frames. 2,103,827; Dec. 28.
Robinson, Cecil S., Ithaca, N. Y. Jar opener. 2,103,554; Dec. 28.

Robinson, Fred H., Rye, N. H. Cribbage scoring device. 2,103,916; Dec. 28.

Robinson, Harold C. (See Nelson, M. L., Robinson, and Bellamy.)

Rockwell, Edward A., Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation. Power brake system. 2,103,641; Dec. 28.

Rockola, David C., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill. Game apparatus. 2,103,870; Dec. 28.

Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)

Roeder, Georg, assignor to Merck & Co. Inc., Rahway, N. J. Production of B-methylcholine ethers and salts thereof. 2,103,272; Dec. 28.

Roller, Robert, Haddonfield, N. J. Multiple master hanger. 2,103,642; Dec. 28.

Romano, Arthur, and A. Botta, Springfield, Mass. Inking device. 2,103,404; Dec. 28.

Rose, Bennie A., Swissvale, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine-generator field-winding. 2,103,795; Dec. 28.

Rosén, Nils I., Stocksund, Sweden. Card register. 2,103,695; Dec. 28.

Rosenblum, Israel, Jackson Heights, N. Y. Polyhydric alcohol-polybasic aliphatic acid resin. 2,103,273; Dec. 28.

Roskosky, Stephen J. (See Albrecht, H. O., McGlone, and Roskosky.)

Rosoff Bros., Inc., et al. (See Meyerstein, Anthony M., assignor.)

Rotaprint Akt.-Ges. (See Gericke, Erich, assignor.)

Rotermund, Maynard A. (See Kennedy, H. E., Rotermund, and Jones.)

Rothmund, Leopold, Stuttgart, Germany. Canal lock. 2,103,871; Dec. 28.

Rowe, Lawrence A., Oak Park, assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill. Dust guard and seal assembly. 2,103,555; Dec. 28.

Ruckdeschel, Hans, assignor to the firm Ireks Aktiengesellschaft, Kulmbach, Germany. Production of valuable substances. 2,103,495; Dec. 28.

Rush, Theodore O., assignor to The Sherman-Klove Company, Chicago, Ill. Ratchet wrench. 2,103,556; Dec. 28.

Russell, Clyde D., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Cherry splitter. 2,103,383; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Wrap-Ade Machine Company, Inc., Newark, N. J. Package forming machine. 2,103,339; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package fabrication. 2,103,385; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Color packaging. 2,103,386; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Article feeding construction. 2,103,387; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Packaging feeding system. 2,103,388; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Container for fluids. 2,103,389; Dec. 28.

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Packaging machine. 2,103,390; Dec. 28.

Salomon, François M. M. B., Paris, France. Device adapted to eliminate oscillations. 2,103,643; Dec. 28.

Sanford, Roy S., New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Control mechanism. 2,103,274; Dec. 28.

Saunders, Albert F., assignor to T. N. Benedict Manufacturing Company, East Syracuse, N. Y. Planked food server. 2,103,496; Dec. 28.

Saunders, Norman H., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,103,301; Dec. 28.

Sawdey, Neil T., Shaker Heights, and N. E. Colegrove, Lakewood, assignors to White Sewing Machine Corporation, Cleveland, Ohio. Knee control for sewing machines. 2,103,557; Dec. 28.

Schaefer, George W., Quincy, Mass. Typewriter ribbon and ink composition therefor. 2,103,275; Dec. 28.

Schaffer, Robert M., St. Louis, Mo. Building structure or tie. 2,103,644; Dec. 28.

Schaffer, Charles A., and C. C. Foil, Port Carbon, Pa. Circular knit tubing cutter attachment for sewing machines. 2,103,696; Dec. 28.

Schenck, Charles. (See Lewis, R. A., and Schenck.)

Scherfel, Otto C., Haddon Heights, N. J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa. Wire fabric and making the same. 2,103,917; Dec. 28.

Schering-Kahlbaum A. G. (See Schoeller, W., Schwenk, and Hildebrandt, assignors.)

Scherin-Kahlbaum A. G. (See Schoeller, W., and Borgwardt, assignors.)

Schering-Kahlbaum A. G. (See Skraup, Siegfried, assignor.)

Schering-Kahlbaum A. G. (See Ziegler, Karl, assignor.)

Schieffer, Johann, Oberhausen, Germany, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Soot blower. 2,104,003; Dec. 28.

Schierl, Friedrich. (See Severin, E., and Schierl.)

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Weather stripping and making the same. 2,103,697; Dec. 28.

Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)

Schleifer, Carlo, Novara, Italy. Wharve for spindles for spinning, twisting, winding, and similar machines. 2,103,436; Dec. 28.

Schlesinger, Kurt, Berlin, Germany. Braun tube. 2,103,645; Dec. 28.

Schlesinger, Kurt, Berlin, Germany. Receiving aerial for ultrashort waves. 2,103,646; Dec. 28.

Schlichting, Otto. (See Reppe, W., and Schlichting.)

Schmid, Alfred, Berlin-Dahlem, Germany. Safety ignition composition containing semi-pyrophoric metal. 2,103,698; Dec. 28.

Schmidinger, Joseph, Long Island City, N. Y. Flasher device. 2,103,276; Dec. 28.

Schmidinger, Joseph, Long Island City, N. Y. Flasher device. 2,103,277; Dec. 28.

Schmidinger, Joseph, New York, N. Y. Combined incandescent lamp and flasher device and manufacture thereof. 2,103,278; Dec. 28.

Schmidt, William H., Wauwatosa, Wis. Typewriter. 2,103,734; Dec. 28.

Schneck, Nathan, Manitowoc, Wis. Optical trial frame. 2,103,340; Dec. 28.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Artificial textile material and preparing the same. 2,103,497; Dec. 28.

Schoeller, Conrad, and P. Koerding, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. High molecular nitrogenous organic compounds containing carboxylic groups. 2,103,872; Dec. 28.

Schoeller, Walter, Berlin-Westend, and E. Borgwardt, Berlin-Hermsdorf, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Phosphates of amino acid esters and producing same. 2,103,558; Dec. 28.

Schoeller, Walter, Berlin-Westend, Germany, E. Schwenk, New York, N. Y., and F. Hildebrandt, Hohen Neuendorf, near Berlin, assignors to Schering-Kahlbaum A. G., Berlin, Germany. Isolating the follicle hormone from the urine of pregnant individuals. 2,103,735; Dec. 28.

Schrader, Harold J., Haddon Heights, N. J., assignor to Radio Corporation of America. Modulation metering device. 2,103,341; Dec. 28.

Schranz & Bieber Co. Inc. (See Konikoff, Robert H., assignor.)

Schröter, Fritz, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Photocell. 2,103,498; Dec. 28.

Schubert, Friedrich. (See Glietenberg, E., and Schubert.)

Schulz, Max F., Northbrook, Ill. Antiskid device. 2,103,437; Dec. 28.

Schultz, Raymond J., assignor to Madison-Kipp Corporation, Madison, Wis. Pressure casting apparatus. 2,103,438; Dec. 28.

Schumacher, August, Flushing, N. Y. Massage machine. 2,103,956; Dec. 28.

Schundler, F. E. & Company, et al. (See Jones, Otis L., assignor.)

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Preparation of nitrocellulose. 2,103,647; Dec. 28.

Schweda, Albert M. (See Le Vesconte, H. J., and Schweda.)

Schwenk, Erwin. (See Schoeller, W., Schwenk, and Hildebrandt.)

Scofield, Gilbert J., Londonville, N. Y. Vending apparatus or the like. 2,103,391; Dec. 28.

Scott-Paine, Hubert, Hythe, England. Torpedo launching gear. 2,103,380; Dec. 28.

Scott, William H., Rochester, N. Y. Brush and an appliance for using the same. 2,103,957; Dec. 28.

Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)

Sealand Corporation, The. (See Lindsey, William D., assignor.)

Security Products Corporation. (See Watson, Frederick W., assignor.)

Selfried, Simon, and F. Ries, Munich, Germany. File and rasp. 2,103,499; Dec. 28.

Selp, John J., Allentown, Pa. Apparatus for separating solids from liquids. 2,103,796; Dec. 28.

Selp, John J., Allentown, Pa. Process of and apparatus for clarifying liquids. 2,103,828; Dec. 28.

Selp, John J., Allentown, Pa. Clarifying liquids and apparatus therefor. 2,103,829; Dec. 28.

Selas Company, The. (See Hess, Fred, assignor.)

Seliger, Hellmuth. (See Suchy, R., and Seliger.)

Semple, John B., Sewickley, Pa. Gathering of salt. 2,103,757; Dec. 28.

Severin, Edwin, and F. Schierl, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable resistor device. 2,103,873; Dec. 28.

Seyfried, Arthur W., assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Ground connection for electrical appliances. 2,103,758; Dec. 28.

Sheehan, Joseph D., Brooklyn, N. Y. Fountain pen cleaner. 2,103,699; Dec. 28.

Shelton Tack Co., The. (See Anderson, Nils H., assignor.)

Sherman, John Q., Dayton, Ohio. Portable register. 2,103,279; Dec. 28.

Sherman-Klove Company, The. (See Rueb, Theodore O., assignor.)

Sherron, Percival H., Jamaica, N. Y. Telephone booth. 2,103,280; Dec. 28.

Shock, Harry C., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting mechanism. 2,103,875; Dec. 28.

Shuger, Leroy W., assignor to Baltimore Paint and Color Works, Inc., Baltimore, Md. Masking the odor of drying paints, varnishes, and the like and fragrant odor-masked paint. 2,103,830; Dec. 28.

Shwayder, Ben, Ecorse, Mich. Folding chair. 2,103,874; Dec. 28.

Sidon, Max, assignor to Oswego Falls Corporation, Fulton, N. Y. Cup. 2,103,831; Dec. 28.

Siemens & Halski Aktiengesellschaft. (See Wollack, Kurt, assignor.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Steenbeck, Max, assignor.)

Silberman, Jay D., Scarsdale, N. Y. Window construction. 2,103,876; Dec. 28.

Silver Oxide Products Company. (See Müller, John H., assignor.)

Silver, William C., Kansas City, Mo. Selector for sorting machine. 2,103,559; Dec. 28.

Simpson, Charlie W., assignor to The National Acme Company, Cleveland, Ohio. Electric chucking machine. 2,103,342; Dec. 28.

Simpson, Herbert S. (See Christensen, Alfred C., assignor.)

Singer Manufacturing Company, The. (See Fleckenstein, G. A., and Waterman, assignors.)

Singer Manufacturing Company, The. (See Myers, Walter, assignor.)

Skraup, Siegfried, Wurzburg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Alkyl derivatives of phenols and producing the same. 2,103,736; Dec. 28.

Slusher, George D., et al. (See Fletcher, Allen H., assignor.)

Smart, Algernon, Newcastle-upon-Tyne, England. Fuel mixture supply control for the internal-combustion engines of motor vehicles. 2,103,700; Dec. 28.

Smith, Alva T., and H. J. Moon, assignors to National Enameling & Stamping Company, Milwaukee, Wis. Electric cooking utensil. 2,103,560; Dec. 28.

Smith, Dallas M. (See Knoebel, Walter C., assignor.)

Smith, Dallas M., Kirkwood, Mo. Piston expander. 2,103,664; Dec. 28.

Smith, Harris A., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Converting hydrocarbon oil. 2,103,561; Dec. 28.

Smith, Irving R., Milwaukee, assignor to Sterling Wheelbarrow Company, West Allis, Wis. Wheelbarrow manufacture. 2,103,562; Dec. 28.

Smith, Rowland D., assignor to Corning Glass Works, Corning, N. Y. Metallizing composition for glass. 2,103,598; Dec. 28.

Snelling, Walter O., Allentown, Pa. Sealing expansion joints. 2,103,648; Dec. 28.

Société Anonyme André Citroen. (See Lefevre, André R., assignor.)

Societe Carbochimique, Société Anonyme. (See Ferrero, P., and Vandendries, assignors.)

Sofal Limited. (See Burden, W. M., Genders, and Harrison, assignors.)

Somohano, Manuel, Mexico, D. F., Mexico. Nonblurrable mirror. 2,103,384; Dec. 28.

Sortore, Emerson J. (See Wheeler, E. R., and Sortore.)

Spang, Joseph P., Quincy, Mass. Machine for slitting and broiling meat. 2,103,563; Dec. 28.

Spark King Corporation, The. (See Stupakoff, Semon H., assignor.)

Spaunburg, Harvey L., West Hartford, assignors to Veeder-Root Incorporated, Hartford, Conn. Counter for machines. 2,103,650; Dec. 28.

Spence, Howard. (See Hock, A. L., Kirkham, and Spence.)

Spence, Peter & Sons, Limited. (See Hock, A. L., Kirkham, and Spence, assignors.)

Sperry, Philmore F., and D. W. Lake, assignors to Excel Auto Radiator Company, Chicago, Ill. Air distributing means. 2,103,599; Dec. 28.

Sperry Products, Inc. (See Drake, Harcourt C., assignor.)

Sperry Products, Inc. (See Jones, G. L., and Winburn, assignors.)

Sperry Products, Inc. (See Perry, Walter M., assignor.)

Spinner, Edson F., Ava, Ill. Clutch for transmission gearing. 2,103,959; Dec. 28.

Spiro, George C., Yonkers, N. Y. Dispenser. 2,103,960; Dec. 28.

Spool Cotton Company, The. (See Bell, John, assignor.)

Squibb, E. R., & Sons. (See Lott, William A., assignor.)

Standard Oil Company (Ohio), The. (See Bale, Lester S., assignor.)

Standard Oil Development Company. (See Gohr, Edwin J., assignor.)

Standard Oil Development Company. (See Harris, John M., Jr., assignor.)

Standard Oil Development Company. (See Whiteley, J. M., and Vesterdal, assignors.)

Standard Oil Development Company. (See Wiezevich, P. J., and Gleason, assignors.)

Standard Process Manufacturing Corporation. (See Ericksson, Emil, assignor.)

Stanley, Leopold G., Maplewood, N. J. Traveling case. 2,103,281; Dec. 28.

Steenbeck, Max, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Device for producing electron rays of high energy. 2,103,303; Dec. 28.

Stein, Hall & Company. (See Frieden, A., and Werbin, assignors.)

Steiner Sales Company. (See Birr, Rudolph G., assignor.)

Sterling Wheelbarrow Company. (See Smith, Irving R., assignor.)

Stern, Charles, Jersey City, assignor to Ardco Manufacturing Company, Hoboken, N. J. Rail head and wheel flange lubricator. 2,103,701; Dec. 28.

Stevens, John C., Portland, Oreg. Scour prevention. 2,103,600; Dec. 28.

Stewart & McGuire, Inc. (See Hoban, Fairfield W., assignor.)

Stewart, Carlton D., Swissvale, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,103,343; Dec. 28.

Stiefelber, Merlin A. (See McWade, Walter N., assignor.)

Stigall, William H., Taft, Calif. Withdrawable sucker rod assembly. 2,103,601; Dec. 28.

Stillman, Thomas B., South Orange, assignor to The Babcock & Wilcox Company, Newark, N. J. Fuel burner. 2,103,958; Dec. 28.

Stilson, Herbert A., Chicago, Ill. Animal trap. 2,103,877; Dec. 28.

Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Conduit for washing machines. 2,103,797; Dec. 28.

Stolpe, Frederick J., Chicago, Ill., assignor, by mesne assignments, to Augustus F. Klasing. Operating device for hand brakes and the like. 2,103,282; Dec. 28.

Streeter-Amet Company. (See Haegele, Otto P., assignor.)

Strout, Ralph C., Wollaston, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del. Band applying machine. 2,103,302; Dec. 28.

Stuck, Harold D., Lawrence, and P. A. De Nault, North Andover, assignor to John W. Bolton & Sons, Inc., Lawrence, Mass. Making linings for Jordan engine shells. 2,103,344; Dec. 28.

Stupakoff, Semon H., Pittsburgh, Pa., assignor to The Spark King Corporation, New York, N. Y. Spark plug and making the same. 2,103,759; Dec. 28.

Sturtevant Mill Company. (See Doyle, W. T., and Sturtevant, assignors.)

Sturtevant, Thomas J. (See Doyle, W. T., and Sturtevant.)

Subkow, Philip. (See Merrill, D. R., and Subkow.)

Suchy, Robert, and H. Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. Production of magnesium from magnesiferous raw materials by thermal reduction. 2,103,976; Dec. 28.

Sugden, Walter J. (See Drysdale, William D., assignor.)

Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Wineman, Wade H., assignor.)

Sullivan, William J., assignor of one-half to C. P. Mertens, Chicago, Ill. Brick hacking for unit handling. 2,103,649; Dec. 28.

Sun Oil Company. (See Pearson, John M., assignor.)

Swanstrom, Carl A. (See Oestnaes, V. L., and Swanstrom.)

Swart, Leland K. (See Maurer, K. L., and Swart.)

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Gas-filled tube. 2,103,439; Dec. 28.

Talon, Inc. (See Jacobs, Michael, assignor.)

Tancred, William L. (See Bliss, H. N., Wild, and Tancred.)

Tanner, Philip A., assignor to Johnson Motor Company, Waukegan, Ill. Internal combustion engine. 2,103,564; Dec. 28.

Tappé, Frank G., Oslo, Norway. Attaching skates to shoes. 2,103,737; Dec. 28.

Taradash, Mendel A., Toronto, Ontario, Canada. Tufting mechanism for tufting a fabric base. 2,103,798; Dec. 28.

Tarbox, Hugh B., Toronto, Ontario, Canada. Mop holder. 2,103,565; Dec. 28.

Tartaron, Francis X., and J. B. Duke, Mulberry, Fla., assignors to Phosphate Recovery Corporation, New York, N. Y. Concentration of phosphate-bearing minerals. 2,103,283; Dec. 28.

Taylor, James P., Los Angeles, Calif. Liquid recording mechanism. 2,103,566; Dec. 28.

Taylor, Lloyd J., Wichita Falls, Tex. Spider construction for stalk cutters. 2,103,345; Dec. 28.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gerhard, Ernst, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Gothe, Albrecht, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Möller, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schröter, Fritz, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Severin, E., and Schlerl, assignors.)
Television and Electric Corporation of America. (See Kolozsy, Louis W., assignor.)
Teller, George L., and W. K. Teller, assignors, to H. H. Doering, Chicago, Ill. Cheese product. 2,103,304; Dec. 28.
Teller, W. Kedzie. (See Teller, George L., and W. K.)
Ter Horst, William P., Silver Lake, Ohio, assignor to United States Rubber Company, New York, N. Y. Accelerator of vulcanization. 2,103,749; Dec. 28.
Teubner, Kurt, assignor to the firm Atlas Ago, Chemische Fabrik A. G., Leipzig, Germany. Collar. 2,103,799; Dec. 28.
Texas Company, The. (See Smith, Harris A., assignor.)
Texas Gulf Sulphur Company. (See Bencowitz, Isaac, assignor.)
Thackeray, Norman C., Providence, R. I., assignor to Decorative Fabrics Company. Decorated fabric and making the same. 2,103,992; Dec. 28.
Thomas, Frank B., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Test rack. 2,103,305; Dec. 28.
Thomas, Lester C., Denver, Colo. Accounting system. 2,103,651; Dec. 28.
Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Selective radio receiving system. 2,103,878; Dec. 28.
Thompson, Russell G., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,103,921; Dec. 28.
Thumlert, Edgar A., assignor to The Fairfield Engineering Company, Marion, Ohio. Deflector means for hopper spouts. 2,103,392; Dec. 28.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle latch. 2,103,702; Dec. 28.
Ticknor, Winton A., assignor to Corning Glass Works, Corning, N. Y. Flue structure. 2,103,602; Dec. 28.
Tilghman's Patent Sand Blast Company. (See Nichols, Thomas W., assignor.)
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Eastburg, Clifford L., assignor.)
Tindall, Donald J., Orlando, Fla. Corner clamp for mitered store front constructions. 2,103,832; Dec. 28.
Tinnerman, Albert H. (See Tinnerman, George A., assignor.)
Tinnerman, George A., Rocky River, assignor to Albert H. Tinnerman, Cleveland, Ohio. Combined fastening structure. 2,103,833; Dec. 28.
Toledo Scale Manufacturing Company. (See Weckerly, Mark A., assignor.)
Touceda, Enrique G., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Alloy. 2,103,500; Dec. 28.
Trabazo, Ramón B. M. (See De Deza, F. S., and Trabazo.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Turner, John R., assignor to Universal Oil Products Company, Chicago, Ill. Tube cleaner. 2,103,760; Dec. 28.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom with shuttle changing and loom stopping mechanism. 2,102,800; Dec. 28.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft bobbin. 2,103,801; Dec. 28.
Tuttle & Bailey, Inc. (See Hart, S., and Zavorski, assignors.)
Tyson, John D., Derry Township, Mifflin County, Pa. 2,103,834; Dec. 28.
Ufer, Hanns, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of organic sulphur compounds. 2,103,879; Dec. 28.
Ufer, Hanns, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main, Germany. Production of organic sulphur compounds. 2,103,880; Dec. 28.
Ullrich, Alfred H., Bandoeng, Java, Dutch East Indies. Apparatus for separating in one operation hollow bricks from a clay rod or the like and for closing said bricks. 2,103,802; Dec. 28.
Underwood Elliott Fisher Company. (See Neldich, Samuel A., assignor.)
Underwood Elliott Fisher Company. (See Thompson, Russell G., assignor.)
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,103,307; Dec. 28.
Union Carbide and Carbon Corporation. (See Drummond, Price, assignor.)
Union Carbide and Carbon Corporation. (See Jacobsson, Wilgot J., assignor.)
Union Carbide and Carbon Corporation. (See Kennedy, H. E., Rotermund, and Jones, assignors.)
Union Oil Company of California. (See Merrill, D. R., and Subkow, assignors.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Special Machine Company. (See LeVesconte, H. J., and Schweda, assignors.)
Union Special Maschinenfabrik, G. m. b. H. (See Lutz, Frederick, assignor.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Crooks, Ralph K., assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Hood, Charles E., assignor.)
United Shoe Machinery Corporation. (See Winnett, Thomas G., assignor.)
U. S. Galvanizing & Plating Equipment Corporation. (See Kaupp, Henry, assignor.)
United States Rubber Company. (See ter Horst, William P., assignor.)
U. S. Slicing Machine Company. (See van Berkel, Wilhelmus A., assignor.)
Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
Universal Oil Products Company. (See Turner, John R., assignor.)
"Universelle" Cigarettenmachinenfabrik J. C. Mueller & Co. (See Herrmann, Paul J., assignor.)
Urschel, William E., Valparaiso, Ind. Cultivating and weeding device. 2,103,306; Dec. 28.
Valentine, Carroll E. (See Peterson, A. J. A., and Valentine.)
Van Ame, Emma W., Detroit, Mich. Garment cutter plotting instrument. 2,103,393; Dec. 28.
Van Berkel, Wilhelmus A., Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,103,567; Dec. 28.
Vandendries, Corneille. (See Ferrero, P., and Vandendries.)
Van Gulder, Walter, Oak Park, Ill., assignor to General Electric Company. Mixing device. 2,103,922; Dec. 28.
Van Kooten, Jacob, Brooklyn, N. Y. Foldable table. 2,103,703; Dec. 28.
Van Vulpen, John, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Steam heating system. 2,103,835; Dec. 28.
Vapor Car Heating Company. (See Van Vulpen, John, assignor.)
Vawter, Will E., Bainbridge, assignor to American Plastics Corporation, New York, N. Y. Treating casein plastics. 2,103,993; Dec. 28.
Veeder-Root Incorporated. (See Bliss, H. N., Wild, and Tancred, assignors.)
Veeder-Root Incorporated. (See Spaunberg, Harvey I., assignor.)
Verzi, Linus A., Arlington, assignor of one-half to E. N. Hosmer, Arlington County, Va. Fish lure. 2,103,994; Dec. 28.
Vesterdal, Hans G. (See Whiteley, J. M., and Vesterdal.)
Visking Corporation, The. (See Hensel, Henry A., assignor.)
Voelkel, John F., et al., executor. (See Bokmer, Emil.)
Vogel, Otto, Farmingdale, N. Y. Automatic awning. 2,103,923; Dec. 28.
Voigt, Adolph, Miami, Fla. Removable ladder step. 2,103,603; Dec. 28.
Vollmer, Walter G. (See Holhut, M., and Vollmer.)
Vollmer, Walter G., assignor to H. & H. Machine & Motor Parts Co., St. Louis, Mo. Motor-block stand. 2,103,568; Dec. 28.
Von Ardenne, Manfred, Berlin, Germany. Intensity control system for cathode ray beams. 2,103,652; Dec. 28.
Vose, Lewis S., Needham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric feeler for drop box looms. 2,103,803; Dec. 28.
Wachusett Shirt Company. (See Roberson, Harvey D., assignor.)
Wade, William, Chicago, assignor to National Lock Co., Rockford, Ill. Venetian blind. 2,103,394; Dec. 28.
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Venetian blind. 2,103,395; Dec. 28.
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Venetian blind. 2,103,396; Dec. 28.
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rockford, Ill. Blind housing structure. 2,103,397; Dec. 28.
Wade, William, Chicago, and E. North, assignors to National Lock Company, Rickford, Ill. Outside Venetian blind. 2,103,398; Dec. 28.
Wagner, Edward F., Philadelphia, Pa. Auto monoplane. 2,103,881; Dec. 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp slackener for looms. 2,103,836; Dec. 28.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft carrier for automatic looms. 2,103,837; Dec. 28.
Waldron, Fred D., Queens Village, N. Y., and A. J. Wier, Elizabeth, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Terminal box device. 2,103,501; Dec. 28.

Walker, Robert H., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. 2,103,399; Dec. 28.
Wallace, David A. and E., Detroit, Mich., said E. Wallace assignor to said D. A. Wallace. Brick support. 2,103,569; Dec. 28.
Wallace, Eugene. (See Wallace, David A. and E.)
Walter, George S., Chicago, Ill. Writing pen. 2,103,882; Dec. 28.
Walters, Michael E., and J. A. Wolfe, Huntington Park, Calif. Automatic liquid regulating system. 2,103,570; Dec. 28.
Wampler, Roy W. (See Watkins, G. B., and Wampler.)
Wamser, Charles J., Milwaukee, Wis. Illuminated sign. 2,103,738; Dec. 28.
Waterman, Charles N. (See Betterton, J. O., and Waterman.)
Waterman, Max L. (See Flecktenstein, G. A., and Waterman.)
Watkins, George B., and R. W. Wampler, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass. 2,103,883; Dec. 28.
Watson, Frederick W., assignor to Security Products Corporation, New York, N. Y. Sewing kit. 2,103,571; Dec. 28.
Waukesha Motor Company. (See Melcher, Lee W., assignor.)
Webster, John W. L., Liverpool, England. Golf harness. 2,103,502; Dec. 28.
Weckerly, Mark ., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Weighing device. 2,103,400; Dec. 28.
Wehrli, Walter, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland. Azo dyestuffs and their manufacture. 2,103,804; Dec. 28.
Weil, Lewis P., Philadelphia, Pa. Portable fountain. 2,103,653; Dec. 28.
Welmont, Joseph, Bogota, and F. A. Hazard, Elizabeth, N. J., assignors to A. Kimball Company, New York, N. Y. Machine for attaching price tags. 2,103,654; Dec. 28.
Weissenberg, Eugen, Vienna, Austria. Electrotherapeutic apparatus. 2,103,440; Dec. 28.
Welding Service, Inc. (See Frickey, Royal E., assignor.)
Wells, Donald H., Glen Ellyn, Ill. Filter. 2,103,572; Dec. 28.
Wentworth, Pearl J., Fort Thomas, Ky. Composition for shoe manufacture and making shoes. 2,103,884; Dec. 28.
Werbin, Sanford J. (See Frieden, A., and Werbin.)
Western Union Telegraph Company, The. (See Wheeler, E. R., and Sortore, assignors.)
Westinghouse Air Brake Company, The. (See Conant, W. I., and Farmer, assignors.)
Westinghouse Air Brake Company. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)
Westinghouse Air Brake Company, The. (See Stewart, Carlton D., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ashbaugh, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Calvert, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Friedländer, Erich, assignor.)
Westinghouse Electric & Manufacturing Company. (See Gier, John R., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hadley, Donald L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanson, Harold F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hart, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Janetschke, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kalischer, Milton, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kucera, Jaroslav, assignor.)
Westinghouse Electric & Manufacturing Company. (See Leukert, Wilhelm, assignor.)
Westinghouse Electric & Manufacturing Company. (See Nason, Horace E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Peterson, A. J. A., and Valentine, assignors.)
Westinghouse Electric & Manufacturing Company. (See Philpott, La Verne R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rampacher, Fritz, assignor.)
Westinghouse Electric & Manufacturing Company. (See Rose, Bennie A., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric Elevator Company. (See Williams, Harold W., assignor.)
Whalen, John T., New York, N. Y. Refrigerator. 2,103,885; Dec. 28.
Wheeler, Evan R., North Plainfield, and E. J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Selecting system. 2,103,761; Dec. 28.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
Whelan, Howard J., Baltimore, and L. T. Clark, Ellicott City, Md. Talking device. 2,103,739; Dec. 28
Whitaker, James N., Tuckahoe, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,103,655; Dec. 28.
White, Clarence, Walnut Park, assignor to Oil Well Manufacturing Corporation, Los Angeles, Calif. Slush pump valve. 2,103,503; Dec. 28.
White Sewing Machine Corporation. (See Sawdey, N. T., and Colegrove, assignors.)
Whitehead & Kales Company. (See Perkins, E. H., and Mills, assignors.)
Whiteley, James M., Roselle, and H. G. Vesterdal, Elizabeth, N. J., assignors to Standard Oil Development Company. Purification of crude waxy hydrocarbons. 2,103,504; Dec. 28.
Whiting Holding Company. (See Fisher, Robert H., assignor.)
Whittington, Ralph S., Oak Park, Ill., assignor to Bendix Products Corporation, South Bend, Ind. Automatic control of clutch and throttle actuation of an automotive vehicle. 2,103,284; Dec. 28.
Wier, Anthony J. (See Waldron, F. D., and Wier.)
Wiezevich, Peter J., and A. H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company. Production of polymers of ketene and preparation of esters thereof. 2,103,505; Dec. 28.
Wild, Edward. (See Bliss, H. N., Wild, and Tancred.)
Wilkinson, Ralph E., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Microscope. 2,103,573; Dec. 28.
Williams, Harold W., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Control system for electric motors. 2,103,805; Dec. 28.
Willing, Mark S., Mount Holly, Va. Parachute. 2,103,806; Dec. 28.
Willing, Mark S., Mount Holly, Va. Antiaircraft projectile. 2,103,807; Dec. 28.
Willis, John H., Norwich, England. Chronological device. 2,103,656; Dec. 28.
Willis, Le Roy W., Stamford, Conn., and E. M. Goodbody, Long Island, assignors to Intertype Corporation, Brooklyn, N. Y. Metal pot for slug casting machines. 2,103,995; Dec. 28.
Wilmanns, Gustav, Wolfen Kreis, Bitterfeld, assignor to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-Main, Germany. Exposure frame for Röntgen film. 2,103,961; Dec. 28.
Wilson-Jones Company. (See Greenway, Erwin C., assignor.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Winburn, Abraham. (See Jones, G. L., and Winburn.)
Winchester Repeating Arms Company. (See Burton, Frank F., assignor.)
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor for pumping mechanisms. 2,103,308; Dec. 28.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Safety device. 2,103,962; Dec. 28.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor apparatus. 2,103,963; Dec. 28.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor for pumping mechanisms. 2,103,964; Dec. 28.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Motor for pumping mechanisms. 2,103,965; Dec. 28.
Winkler, Józef. (See Piotrowski, W. J., and Winkler.)
Winnett, Thomas G., Whitman, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge finishing machine. 2,103,285; Dec. 28.
Wintercorn, John B., Chicago, Ill. Positively controlled tube bore mandrel for tube forming machines. 2,103,574; Dec. 28.
Witt, Samuel E. (See Donnelly, John H., assignor.)
Wolfe, John A. (See Walters, M. E., and Wolfe.)
Wollack, Kurt, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Wernewerk Siemensstadt, near Berlin, Germany. Measured service telephone system. 2,103,441; Dec. 28.
Woodall Industries Incorporated. (See Meller, William O., assignor.)
Worthington, Wayne H. (See McCormick E., and Worthington.)
Wrap-Ade Machine Company. (See Salfisberg, Leroy L., assignor.)
Wygodsky, Helen, executrix. (See Wygodsky, Leon.)
Wygodsky, Juliene M. (See Wygodsky, Leon, assignor.)
Wygodsky, Leon, deceased, by H. Wygodsky, executrix, Baltimore, Md., assignor of one-half to H. Wygodsky, and one-half to J. M. Wygodsky. Spring drip beverage maker. 2,103,704; Dec. 28.
Yeutter, Clyde S., Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,103,506; Dec. 28.

Yingling, Frank B., assignor to C. J. Fitton, Hamilton, Ohio. Internal combustion engine. 2,103,604; Dec. 28.
Young, Eldridge H., et al. (See Bradford, William W., Jr., assignor.)
Young, Leonard A., Detroit, Mich. Safety razor. 2,103,924; Dec. 28.
Z Pack Corporation. (See Zarotschenzeff, Wladimir M., assignor.)
Zarotschenzeff, Wladimir M., Englewood, assignor to Z Pack Corporation, Jersey City, N. J. Freezing fruits. 2,103,925; Dec. 28.
Zavorski, Leonard. (See Hart, S., and Zavorski.)
Zelaskow, Joseph L. (See Dumble, Clifford R., assignor.)
Ziegler, Karl, Heidelberg, assignor to Schering-Kahlbaum A. G., Berlin, Germany. Producing compounds of cyclic B-ketocarboxylic acids. 2,103,286; Dec. 28.
Zink, John S., Tulsa, Okla. Combination burner. 2,103,605; Dec. 28.
Zworykin, Vladimir K., Philadelphia, Pa., assignor to Radio Corporation of America. Direction indicator. 2,103,507; Dec. 28.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Building material. J. Tomec. 20,607; Dec. 28.
Electrical contact device. C. H. Koehler. 20,608; Dec. 28.
Paper making machine. C. R. Seaborne. 20,606; Dec. 28.
Petroleum distillates, Treating cracked. R. C. Osterstrom and C. R. Wagner. 20,605; Dec. 28.
Pump and electric motor unit, Submersible. J. F. Haldeman. 20,604; Dec. 28.
Refrigerating system and control mechanisms therefor. B. L. Gates. 20,603; Dec. 28.
Shoe. E. W. Dunbar. 20,609; Dec. 28.

LIST OF PLANT INVENTIONS

Begonia. R. Zeparo. Plant Pat. No. 265; Dec. 28.

LIST OF DESIGN INVENTIONS

Air conditioning unit. J. G. Zummach. 107,670; Dec. 28.
Atomizer. F. W. Lohse. 107,690–94; Dec. 28.
Atomizer. R. P. Vuillemenot. 107,709; Dec. 28.
Automobile. E. T. Gregorie. 107,644; Dec. 28.
Balloon. E. E. Krueger. 107,684; Dec. 28.
Bedspread or similar article. J. Shurin. 107,664; Dec. 28.
Boat hull. A. E. Luders. 107,724; Dec. 28.
Bottle or similar article. P. G. Lloyd. 107,688; Dec. 28.
Bridge for an ophthalmic mounting. G. E. Nerney. 107,697–8; Dec. 28.
Brooch pin. A. Katz. 107,648; Dec. 28.
Button. J. Lichter. 107,686; Dec. 28.
Cabinet, Ironing machine. J. A. Castricone. 107,674; Dec. 28.
Cabinet or similar article, Storage. M. Price. 107,659; Dec. 28.
Case, Display. J. J. Petzke. 107,658; Dec. 28.
Casing for furnaces or the like. G. D. Hauser. 107,683; Dec. 28.
Chair back, Sheet metal. I. R. Bromagem. 107,638; Dec. 28.
Chair, Office. K. F. Davis and J. J. Josephs. 107,677; Dec. 28.
Clip. B. T. Barrett and E. Johnson. 107,636; Dec. 28.
Clip, Fountain pen and pencil. P. M. Ressinger and I. D. Tofft. 107,708; Dec. 28.
Doll or similar article. V. S. Austin. 107,672; Dec. 28.
Dress. T. Coleman. 107,712; Dec. 28.
Dress. S. Comolli. 107,713; Dec. 28.
Dress. L. Fenaroli. 107,722; Dec. 28.
Dress. J. Frank. 107,679; Dec. 28.
Dress. J. Greenman. 107,681; Dec. 28.
Dress. E. Noest. 107,726; Dec. 28.
Dress. V. Rose. 107,727; Dec. 28.
Dress. M. A. Rudolph. 107,703; Dec. 28.
Dress. P. Schlessel. 107,728; Dec. 28.
Dress. M. E. Smith. 107,729–30; Dec. 28.
Dress. V. Tomshinsky. 107,731–3; Dec. 28.
Dress. J. Tuman. 107,734–5; Dec. 28.
Dress. A. Waxberg. 107,736; Dec. 28.
Dress. J. Zinn. 107,715; Dec. 28.
Dress ensemble. T. Coleman. 107,675; Dec. 28.
Dress ensemble. S. Messina. 107,725; Dec. 28.
Engine, Internal combustion. J. L. Doll and C. W. Rogers. 107,641; Dec. 28.
Eraser holding tip for pencils. J. De Quinzio. 107,640; Dec. 28.
Fabric, Corded knit lace. S. Saftlas. 107,663; Dec. 28.
Fabric or similar article, Openwork bead. M. Tannenbaum. 107,667; Dec. 28.
Fabric, Textile. E. Guarine. 107,645; Dec. 28.
Fabric, Textile. A. H. Klein. 107,651; Dec. 28.
Fabric, Textile. S. B. McDonald. 107,656; Dec. 28.
Fabric, Textile. M. Mey. 107,657; Dec. 28.
Fabric, Textile. M. Mey. 107,695; Dec. 28.
Garter. W. Govan. 107,643; Dec. 28.
Goblet or similar article. E. M. Bottome. 107,637; Dec. 28.
Grille or similar article. H. Smith and M. G. Werme. 107,705; Dec. 28.
Handbag. H. Felmann. 107,714; Dec. 28.
Handbag. H. Felmann. 107,716–21; Dec. 28.
Handbag. S. R. Goldsmith. 107,680; Dec. 28.
Handbag. D. Lewis. 107,685; Dec. 28.
Heater, Water. C. H. Morrow. 107,696; Dec. 28.
Holder, Lipstick. E. Schiaparelli. 107,704; Dec. 28.
Hood and scarf assembly, Knitted. S. Rosenberg. 107,702; Dec. 28.
House-coat, Duplex. H. Leone. 107,723; Dec. 28.
Jar or similar article. P. G. Lloyd. 107,689; Dec. 28.
Jewelry setting or similar article. H. R. Kiepe. 107,649–50; Dec. 28.
Juice extractor. J. M. Majewski, Jr. 107,652; Dec. 28.
Lamp, shade, and radio, Combination. J. J. Herrera, Jr. 107,646; Dec. 28.
Lamp unit, Signal. H. B. Donley. 107,678; Dec. 28.
Lens, Automobile headlight. M. A. Smith. 107,706–7; Dec. 28.
Lighting fixture or similar article. L. L. Stewart. 107,666; Dec. 28.
Ornament for Christmas trees, Tinsel. L. L. Raymond. 107,661–2; Dec. 28.
Pendant. J. F. Stedman. 107,665; Dec. 28.
Plate and crystal for a dial for a radio receiver, Combined escutcheon. R. C. Marholz. 107,654; Dec. 28.
Plate for a lever tuning device for a radio receiver, Escutcheon. R. C. Marholz. 107,655; Dec. 28.
Plate for radio receivers, Escutcheon. R. C. Marholz. 107,653; Dec. 28.
Plate, Switch. A. Fazekas. 107,642; Dec. 28.
Radio and lamp, Combined twin bed. J. J. Herrera, Jr. 107,647; Dec. 28.
Range, Gas. J. Beevar. 107,673; Dec. 28.
Shoe. B. L. Wales. 107,710; Dec. 28.
Slipper or similar article. R. S. Cook. 107,676; Dec. 28.
Smock. J. Wien. 107,737; Dec. 28.
Spoon or other article of flatware. J. R. Price. 107,660; Dec. 28.
Stand, Display. A. Campbell. 107,639; Dec. 28.
Stand, Display. C. D. Wilke. 107,669; Dec. 28.
Suitcase. E. E. Wilt. 107,711; Dec. 28.
Table, Coin operated billiard. J. C. Allen. 107,671; Dec. 28.
Tree, Miniature Christmas. S. C. Wadsworth and F. Bell. 107,668; Dec. 28.
Valve or the like, Automotive radiator sealing and pressure relief. A. F. Grigg and J. E. Zeller. 107,682; Dec. 28.
Vehicle, Trailer. F. M. Reid. 107,699–701; Dec. 28.
Watch and mirror with holder therefor, Combined. J. Lipschutz and H. C. Ruger. 107,687; Dec. 28.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF DECEMBER, 1937

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading, polishing, and buffing device. W. H. Bauch. 2,103,444; Dec. 28.
Abrasion resisting chain, Heavy duty. L. T. Harris. 2,103,972; Dec. 28.
Abrasive holder. E. V. Corff. 2,103,320; Dec. 28.
Accelerator of vulcanization. W. P. ter Horst. 2,103,749; Dec. 28.
Accounting system. L. C. Thomas. 2,103,651; Dec. 28.
Acid derivatives, Acrylic. W. A. Lott. 2,103,265; Dec. 28.
Acid resin, Polyhydric alcohol-polybasic aliphatic. I. Rosenblum. 2,103,273; Dec. 28.
Acylated diols. W. A. Lott. 2,103,266; Dec. 28.
Advertising device. C. Rinehimer. 2,103,756; Dec. 28.
Aerial for ultrashort waves, Receiving. K. Schlesinger. 2,103,646; Dec. 28.
Aeroplane control. G. A. Clark. 2,103,933; Dec. 28.
Air conditioning device. A. W. Conley. 2,103,844; Dec. 28.
Air conditioning system. P. M. Raigorodsky. 2,103,596; Dec. 28.
Aircraft construction. H. G. Klemm and B. C. Boulton. 2,103,466; Dec. 28.
Aircraft propeller. W. W. Bradford, Jr. 2,103,242–3; Dec. 28.
Air distributing means. P. F. Sperry and D. W. Lake. 2,103,599; Dec. 28.
Air purifier unit, Portable. E. E. Buskirk. 2,103,893; Dec. 28.
Airscrew blade pitch controlling mechanism. G. Algarsson. 2,103,740; Dec. 28.
Alkyl derivatives of phenols and producing the same. S. Skraup. 2,103,736; Dec. 28.
Alkyl monochlorides, Production of secondary and tertiary. W. J. Piotrowski and J. Winkler. 2,103,692; Dec. 28.
Alloy. H. E. La Bour. 2,103,855; Dec. 28.
Alloy. E. G. Touceda. 2,103,500; Dec. 28.
Alloy for vacuum tube elements. A. J. Mandell. 2,103,267; Dec. 28.
Alloy steels. W. M. Burden, R. Genders, and R. Harrison. 2,103,610; Dec. 28.
Amusement apparatus. F. E. Pavelka. 2,103,954; Dec. 28.
Anchor for ships or the like. D. F. Lucking. 2,103,477; Dec. 28.
Animal poking implement. A. S. Bailey. 2,103,401; Dec. 28.
Animal trap. H. A. Stilson. 2,103,877; Dec. 28.
Animated sign. B. Roberts. 2,103,300; Dec. 28.
Antifrost device. M. L. J. d'Ornellas. 2,103,666; Dec. 28.
Antiskid device. M. F. Schulz. 2,103,437; Dec. 28.
Antiskidding device for motor vehicles. J. Mucha. 2,103,295; Dec. 28.
Applicator. S. W. Hughes. 2,103,261; Dec. 28.
Applicator for pessaries. P. L. Clark, Jr. 2,103,319; Dec. 28.
Arch support. A. Mirenta. 2,103,627; Dec. 28.
Arcing gap. R. Higgins. 2,103,366; Dec. 28.
Article and method, Beaded edged. W. Myers. 2,103,631; Dec. 28.
Article feeding construction. L. L. Salfisberg. 2,103,387; Dec. 28.
Article, Making an appliquéd. M. J. Garshman. 2,103,414; Dec. 28.
Ashtray. A. W. Pearce. 2,103,754; Dec. 28.
Automobile lock. O. M. Driscoll. 2,103,937; Dec. 28.
Awning, Automatic. O. Vogel. 2,103,923; Dec. 28.
Azo compounds and process for dyeing therewith. J. G. McNally and J. B. Dickey. 2,103,269; Dec. 28.
Azodyestuffs. E. Gilletenberg and F. Schubert. 2,103,778; Dec. 28.
Band applying machine. R. C. Stront. 2,103,302; Dec. 28.
Band, Elastic. E. Glück. 2,103,579; Dec. 28.
Bar lock. H. Machinist. 2,103,989; Dec. 28.
Base for Christmas trees, Ornamental. W. M. Flanagan. 2,103,939; Dec. 28.
Base for poles, Protective. H. P. Coustette. 2,103,246; Dec. 28.
Basket, Self-measuring coffee. D. L. Hadley. 2,103,780; Dec. 28.
Bearing. P. A. Kinzie. 2,103,465; Dec. 28.
Bearing. D. H. Montgomery. 2,103,912; Dec. 28.
Belt, Conveyer. R. J. Guba. 2,103,920; Dec. 28.
Beverage maker, Spring drip. L. Wygodsky. 2,103,704; Dec. 28.
Binaural flying. L. de Florez. 2,103,248; Dec. 28.
Binder, Loose-leaf. P. O. Unger. 2,103,307; Dec. 28.
Blind housing structure. W. Wade and E. North. 2,103,397; Dec. 28.
Blind, Outside Venetian. W. Wade and E. North. 2,103,398; Dec. 28.
Blind slat and making, Venetian. R. C. Pratt. 2,103,271; Dec. 28.
Blind, Venetian. H. H. Mohrfeld. 2,103,788; Dec. 28.
Blind, Venetian. W. Wade. 2,103,394; Dec. 28.
Blind, Venetian. W. Wade and E. North. 2,103,395–6; Dec. 28.
Block: *See*—
Chaser supporting block.
Turbine bucket wheel notch block.
Blower, Soot. J. Schieffer. 2,104,003; Dec. 28.
B-methylcholine ethers and salts thereof, Production of. G. Roeder. 2,103,372; Dec. 28.
Board: *See*—
Panel board. Tanning board.
Boats and other loads, Device for handling. W. Campbell. 2,103,708; Dec. 28.
Bobbin, Weft. R. G. Turner. 2,103,801; Dec. 28.
Bodies for burial, Appliance for preparing. H. R. Murray. 2,103,376; Dec. 28.
Bodies, Method and apparatus for shaping. H. K. Kimble and H. Richter. 2,103,585; Dec. 28.
Body member and making the same, Artificial. R. K. Brown. 2,103,511; Dec. 28.
Book, Drawing. E. H. Gorton. 2,103,943; Dec. 28.
Booth, Telephone. P. H. Sherron. 2,103,280; Dec. 28.
Box: *See*—
Display box.
Box. M. J. McClure. 2,103,373; Dec. 28.
Bracket: *See*—
Supporting bracket.
Brake: *See*—
Fluid pressure brake.
Brake adjusting tool. T. A. Milutin. 2,103,688; Dec. 28.
Brake and anchoring means therefor. L. D. Kay. 2,103,750; Dec. 28.
Brake control, Safety. O. L. Dargis, Jr. 2,103,613; Dec. 28.
Brake mechanism, Load. C. C. Farmer. 2,103,353; Dec. 28.
Brake shoe, Magnetic. C. C. Farmer. 2,103,354; Dec. 28.
Brake system for high speed trains. S. G. Down. 2,103,323; Dec. 28.
Brake system, Power. E. A. Rockwell. 2,103,641; Dec. 28.
Brakes and the like, Operating device for hand. F. J. Stolpe. 2,103,282; Dec. 28.
Brandy, Producing. C. L. Crutchfield and J. P. Foster. 2,103,449; Dec. 28.
Braun tube. K. Schlesinger. 2,103,645; Dec. 28.
Brick backing for unit handling. W. J. Sullivan. 2,103,649; Dec. 28.
Brick support. D. A. and E. Wallace. 2,103,569; Dec. 28.
Bricks from a clay rod or the like and for closing said bricks, Apparatus for separating in one operation, hollow. A. H. Ullrich. 2,103,802; Dec. 28.
Bridge, Constant-current magnetic. B. D. Bedford. 2,103,996; Dec. 28.
Bridge foot piece for stringed musical instruments. J. Johannessen. 2,103,675; Dec. 28.
Bridge for metal sheets or rotary printing machines, Stretching. E. Gericke. 2,103,617; Dec. 28.
Brush and an appliance for using the same. W. H. Scott. 2,103,957; Dec. 28.
Building construction. W. W. Macfarren. 2,103,859; Dec. 28.
Building structure or tie. R. M. Schaffer. 2,103,644; Dec. 28.
Burner: *See*—
Combination burner. Gas burner.
Fuel burner.
Button or the like. P. E. Fenton. 2,103,615; Dec. 28.
Button, Upholstery. B. C. Place. 2,103,955; Dec. 28.
Cabinet, table, and seat, Combined. A. Radyx. 2,103,552; Dec. 28.
Cable cutter. A. E. Ravenscroft. 2,103,597; Dec. 28.
Cable outlet top member, Parkway. O. S. Flath. 2,103,773; Dec. 28.
Calculator, Pole and guy. W. W. Mayfield. 2,103,332; Dec. 28.
Can spraying machine. J. H. Murch. 2,103,270; Dec. 28.
Canal lock. L. Rothmund. 2,103,871; Dec. 28.
Candles, Making sanctuary. D. O. C. Deckert. 2,103,237; Dec. 28.
Cap, Swimming. W. P. Barnes. 2,103,886; Dec. 28.
Car underframe, Welded. R. A. Lewis and C. Schenck. 2,103,730; Dec. 28.

Carbohydrate derivatives and making the same. L. Lilienfeld. 2,103,952; Dec. 28.
Carbonator, Household. W. Magee. 2,103,479; Dec. 28.
Carboy, Shipping and/or storing. W. Kline and W. A. Brubaker. 2,103,679; Dec. 28.
Carburetor. J. F. Mullen, Jr. 2,103,689; Dec. 28.
Carburetor, Anterior throttle. A. Moore. 2,103,629; Dec. 28.
Carbureter temperator control. R. M. Heintz. 2,103,902; Dec. 28.
Cardboard display device. J. V. Horr. 2,103,748; Dec. 28.
Cards, Device for playing. R. C. Hart. 2,103,460; Dec. 28.
Carrier for automatic looms, Weft. W. H. Wakefield. 2,103,837; Dec. 28.
Cart, Hand. K. Morris. 2,103,866; Dec. 28.
Carton, Egg. N. A. Petter. 2,103,382; Dec. 28.
Case: *See*—
Plaster case. Traveling case.
Case, cigarette case, and lighter, Combined vanity. A. F. Reilly. 2,103,755; Dec. 28.
Casein plastics, Treating. W. E. Vawter. 2,103,993; Dec. 28.
Casein, Producing varicolored. G. Morrell. 2,103,546; Dec. 28.
Casein and effecting closure therefor, Sausage. H. A. Hensel. 2,103,258; Dec. 28.
Caterpillar injury to car corn, Preventing. G. W. Barber. 2,103,607; Dec. 28.
Cathode ray device. M. C. Banca. 2,103,312; Dec. 28.
Ceiling construction and slab therefor. C. F. Davis, J. G. Brush, and L. K. Mayne. 2,103,969; Dec. 28.
Chair: *See*—
Folding chair.
Chair and roller for pipes, Adjustable. A. E. Davis. 2,103,811; Dec. 28.
Chair and step ladder, Combined. A. A. Harju. 2,103,671; Dec. 28.
Chaser supporting block. W. J. Hogg. 2,103,462; Dec. 28.
Cheese, Apparatus for making. R. Miollis. 2,103,545; Dec. 28.
Cheese product. G. L. and W. K. Teller. 2,103,304; Dec. 28.
Cherry splitter. C. D. Russell. 2,103,383; Dec. 28.
Chintz. A. L. Lippert. 2,103,293; Dec. 28.
Chlorhydrins, Preparation of. P. Ferrero and C. Vandendries. 2,103,813; Dec. 28.
Chocolate, Treatment of. W. Clayton, S. Back, J. F. Morse, and R. T. Johnson. 2,103,612; Dec. 28.
Chronological device. J. H. Willis. 2,103,656; Dec. 28.
Chuck. H. Klaucke. 2,103,681; Dec. 28.
Chucking machine, Electric. C. W. Simpson. 2,103,342; Dec. 28.
Cigar labeling and wrapping machine. F. X. Malocsay. 2,103,626; Dec. 28.
Cigarette holder. E. O. Brower. 2,103,662; Dec. 28.
Cigarette machine. P. J. Herrmann. 2,103,721; Dec. 28.
Circuit, Amplifier. E. Peterson. 2,103,489; Dec. 28.
Circuit, Automatic volume control. W. J. Poch. 2,103,637; Dec. 28.
Circuit breaker. F. Rampacher. 2,103,794; Dec. 28.
Circuit breaker operating means. G. A. Matthews. 2,103,268; Dec. 28.
Circuit, Electric control. B. D. Bedford. 2,103,997; Dec. 28.
Circuit, Signaling. H. O. Peterson and M. Katzin. 2,103,869; Dec. 28.
Circuit, Telegraph test board. C. W. Lucek. 2,103,476; Dec. 28.
Circuits, Wave translating. E. Peterson. 2,103,490; Dec. 28.
Clamp for mitered store front constructions, Corner. D. J. Tindall. 2,103,832; Dec. 28.
Classroom committee table. M. I. Eddy. 2,103,408; Dec. 28.
Cleaner: *See*—
Pen cleaner. Tube cleaner.
Cleat. P. G. Morin. 2,103,630; Dec. 28.
Cleat, Shoe. J. Lascari. 2,103,472; Dec. 28.
Clutch: *See*—
Friction clutch.
Clutch and throttle actuation of an automotive vehicle, Automatic control of. R. S. Whittington. 2,103,284; Dec. 28.
Clutch for transmission gearing. E. F. Spinner. 2,103,959; Dec. 28.
Coaster, Wheeled. F. G. Birkhead. 2,103,998; Dec. 28.
Coat and vest hanger. E. E. Palmer. 2,103,691; Dec. 28.
Coffins, Apparatus for making burial. E. M. Lewis. 2,103,951; Dec. 28.
Collar. H. D. Roberson. 2,103,492; Dec. 28.
Collar. K. Teubner. 2,103,799; Dec. 28.
Color packaging. L. L. Salfisberg. 2,103,386; Dec. 28.
Color selector for shuttle changing looms. A. Cederlund. 2,103,767; Dec. 28.
Comb and casing. S. Behr. 2,103,930; Dec. 28.
Combination burner. J. S. Zink. 2,103,605; Dec. 28.
Composition for shoe manufacture and making shoes. P. J. Wentworth. 2,103,884; Dec. 28.
Compounds of cyclic B-ketocarboxylic acids, Producing. K. Ziegler. 2,103,286; Dec. 28.
Conductors, Insulating. J. F. Calvert. 2,103,841; Dec. 28.
Conduit for washing machines. E. S. Stoddard. 2,103,797; Dec. 28.
Connecter: *See*—
Electric connecter.
Connection for electrical appliances, Ground. A. W. Seyfried. 2,103,758; Dec. 28.
Constant voltage generator. C. E. Hallmark. 2,103,619; Dec. 28.
Construction composition, Light weight. H. Guth. 2,103,746; Dec. 28.
Container. L. B. Koch. 2,103,290; Dec. 28.
Container and pump. R. Bernhardt. 2,103,932; Dec. 28.
Container and spout construction. G. O. Conner. 2,103,406; Dec. 28.
Container for fluids. L. L. Salfisberg. 2,103,389; Dec. 28.
Containers, Apparatus for filling. B. E. Johnson. 2,103,817; Dec. 28.
Control for burners, Automatic. W. G. Hartwig. 2,103,529; Dec. 28.
Control mechanism. R. S. Sanford. 2,103,274; Dec. 28.
Control mechanism for shuttle changing looms. W. W. Robertson. 2,103,823; Dec. 28.
Control switch. A. J. A. Peterson and C. E. Valentine. 2,103,792; Dec. 28.
Control system. W. F. Eames. 2,103,771; Dec. 28.
Control system. H. E. Nason. 2,103,790; Dec. 28.
Control system for electric motors. H. W. Williams. 2,103,805; Dec. 28.
Converting system for reversible alternating current-direct current conversion. W. Leukert. 2,103,950; Dec. 28.
Conveyer. H. Klaucke. 2,103,680; Dec. 28.
Conveyer mechanism. R. H. Gordon. 2,103,901; Dec. 28.
Conveyer mechanism. H. Kaupp. 2,103,906; Dec. 28.
Cooler: *See*—
Liquid cooler.
Cooling system for rotary machines. T. W. Nichols. 2,103,632; Dec. 28.
Core catcher. A. C. Catland and P. C. Efromson. 2,103,611; Dec. 28.
Cosmetic device. J. K. O. Farrell. 2,103,577; Dec. 28.
Couch, Radiographic. E. Pohl. 2,103,693; Dec. 28.
Counter for machines. H. L. Spaunburg. 2,103,650; Dec. 28.
Counterbalancing mechanism for lift bridges. T. E. Brown, Jr. 2,103,661; Dec. 28.
Counting machine, Multiple. H. N. Bliss, E. Wild, and W. L. Tancred. 2,103,659; Dec. 28.
Coupled weighing. O. P. Haegele. 2,103,618; Dec. 28.
Coupling: *See*—
Hose coupling.
Cribbage scoring device. F. H. Robinson. 2,103,916; Dec. 28.
Crusher for comminuting hard materials, Impact. B. Graemiger and W. Ludin. 2,103,454; Dec. 28.
Cultivating and weeding device. W. E. Urschel. 2,103,306; Dec. 28.
Cup. M. Sidon. 2,103,831; Dec. 28.
Curling and crimping device. C. Karasiewicz. 2,103,676; Dec. 28.
Cushion, Self-cooling bed and couch. J. H. Reynolds. 2,103,553; Dec. 28.
Cutter: *See*—
Cable cutter.
Cutter plotting instrument, Garment. E. W. Van Ame. 2,103,393; Dec. 28.
Cutting height, Device for regulating. K. Hagebeuker. 2,103,418; Dec. 28.
Cutting machine for spaghetti, macaroni, etc. N. J. Cavagnaro. 2,103,317; Dec. 28.
Cutting mechanism. H. C. Shock. 2,103,875; Dec. 28.
Cylinder motion, Jacquard. H. V. Foster. 2,103,815; Dec. 28.
Cylinder reboring-plate. E. R. Michener. 2,103,294; Dec. 28.
Dampening and inking mechanism for planographic and analogous presses, Dual. J. G. Goedike. 2,103,254; Dec. 28.
Deflector means for hopper spouts. E. A. Thumlert. 2,103,392; Dec. 28.
Device employing electronic tubes. P. Kapteyn. 2,103,621; Dec. 28.
Device for preventing evaporation of volatile products. R. E. Cossais. 2,103,935; Dec. 28.
Dial. F. Liessmann. 2,103,856; Dec. 28.
Dial for watches and other instruments. A. Lodge. 2,103,263; Dec. 28.
Diazodinitrophenol and product thereof, Producing. H. B. Alexander. 2,103,926; Dec. 28.
Diesel engine, Air chamber. F. Lang. 2,103,423; Dec. 28.
Direction indicator. V. K. Zworykin. 2,103,507; Dec. 28.
Discharge apparatus, Electric. F. H. Gulliksen. 2,103,779; Dec. 28.
Disinfective and antiseptic compound for the treatment of ulcers, sores, and the like. J. H. Müller. 2,103,999; Dec. 28.
Dispenser. G. C. Spiro. 2,103,960; Dec. 28.
Dispenser for tablets or the like. J. H. Donnelly. 2,103,520; Dec. 28.

Dispensing device. C. P. Robertson. 2,103,493; Dec. 28.
Dispensing machine. F. W. Hoban. 2,103,367; Dec. 28.
Display box. J. L. Hawkinson. 2,103,419; Dec. 28.
Display device. J. Bell. 2,103,241; Dec. 28.
Display holder. H. S. Ford. 2,103,578; Dec. 28.
Display stand. L. D. Long. 2,103,684; Dec. 28.
Domestic heater. D. J. Mosshart. 2,103,789; Dec. 28.
Door check and closer. E. Bommer. 2,103,660; Dec. 28.
Door closing warning signal. S. G. Down. 2,103,324; Dec. 28.
Door for bottom-discharging receptacles, Water sealed. A. M. Meyerstein. 2,103,975; Dec. 28.
Door, Watertight. A. L. and F. M. Lambert. 2,103,291; Dec. 28.
Dough products and the like, Apparatus for baking. J. Kremer. 2,103,469; Dec. 28.
Dough, Softening of. A. K. Balls and W. S. Hale. 2,103,443; Dec. 28.
Drawbar mechanism for electric chucking machines. A. E. Drissner. 2,103,350; Dec. 28.
Drill: *See*—
Rock drill.
Drive for lathes and other machines. O. I. Judelshon. 2,103,464; Dec. 28.
Drive for pumps, Enclosed. J. Goldsmith. 2,103,971; Dec. 28.
Drive mechanism. D. R. De Tar. 2,103,517–18; Dec. 28.
Ductilizing process. J. R. Gier, Jr. 2,103,777; Dec. 28.
Dye composition for the treatment of external burns in human beings. R. H. Aldrich and D. A. Bryce. 2,103,309; Dec. 28.
Dyestuffs and their manufacture, Azo. W. Wehrli. 2,103,804; Dec. 28.
Dyestuffs, Triphenylmethane. H. Grotowsky. 2,103,846; Dec. 28.
Edge finishing machine. T. G. Winnett. 2,103,285; Dec. 28.
Electric connecter. J. A. Obermaier. 2,103,548; Dec. 28.
Electric motor. R. H. Fisher. 2,103,356; Dec. 28.
Electric switch. G. A. Johnson. 2,103,980; Dec. 28.
Electrical apparatus. W. J. Hart. 2,103,816; Dec. 28.
Electrical conversion system. E. Janetschke. 2,103,786; Dec. 28.
Electrical firing device. H. E. Nash. 2,103,432; Dec. 28.
Electrical measuring method and apparatus. J. M. Pearson. 2,103,636; Dec. 28.
Electrical protective system. K. L. Maurer and L. K. Swart. 2,103,430; Dec. 28.
Electrical switch. A. E. Franey. 2,103,941; Dec. 28.
Electron discharge device for electronically bombarding materials. H. Kott. 2,103,623; Dec. 28.
Electron rays of high energy, Device for producing. M. Steenbeck. 2,103,303; Dec. 28.
Electrotherapeutic apparatus. E. Weissenberg. 2,103,440; Dec. 28.
Emulsions of bituminous materials, Apparatus for making. M. G. O'Neil. 2,103,549; Dec. 28.
Engine: *See*—
Diesel engine. Internal combustion engine
Ethers from alkaline aqueous solutions, Precipitation or setting of hydroxy-cellulose. G. A. Richter. 2,103,639; Dec. 28.
Evaporator. E. L. Luly. 2,103,521; Dec. 28.
Expansion joint. J. F. Onry. 2,103,337; Dec. 28.
Exposure frame for Röntgen film. G. Wilmanns. 2,103,961; Dec. 28.
Fabric and knitting the same, Knitted. R. H. Lawson and A. N. Cloutier. 2,103,908; Dec. 28.
Fabric and making the same, Decorated. N. C. Thackeray. 2,103,992; Dec. 28.
Fabric and making the same, Wire. R. J. Guba. 2,103,918–19; Dec. 28.
Fabric and making the same, Wire. O. C. Scherfel. 2,103,917; Dec. 28.
Fabrics, Ornamentation of textile. L. A. Lantz, A. L. Morrison, and W. S. Miller. 2,103,587; Dec. 28.
Facsimile transmission. L. R. Philpott. 2,103,793; Dec. 28.
Fastening device, Sealed. A. A. Doty. 2,103,743; Dec. 28.
Fastening structure, Combined. G. A. Tinnerman. 2,103,833; Dec. 28.
Faucet attachment. C. E. Lehman. 2,103,425; Dec. 28.
Feed device. E. T. Lorig. 2,103,264; Dec. 28.
Feeder: *See*—
Fluid pressure responsive feeder.
Feeler for drop box looms, Electric. L. S. Vose. 2,103,803; Dec. 28.
File and rasp. S. Selfried and F. Ries. 2,103,499; Dec. 28.
Filter: *See*—
Oil filter.
Filter. D. H. Wells. 2,103,572; Dec. 28.
Finger ring. F. J. Gaertner. 2,103,412; Dec. 28.
Firearm, Bolt action. F. F. Burton. 2,103,512; Dec. 28.
Firearm, Wheeled. V. Hammar, E. E. Jansson, and O. Olsson. 2,103,670; Dec. 28.
Fish bobber. J. Durham. 2,103,451; Dec. 28.
Fish lure. L. A. Verzi. 2,103,994; Dec. 28.
Flasher device. J. Schmidinger. 2,103,276–7; Dec. 28.
Flow controlled switch. W. R. and R. W. Hamilton. 2,103,747; Dec. 28.
Flowmeter. I. Bencowitz. 2,103,741; Dec. 28.
Flowmeter. H. J. Knerr. 2,103,262; Dec. 28.
Flue structure. W. A. Ticknor. 2,103,602; Dec. 28.
Fluid pressure brake. C. D. Stewart. 2,103,343; Dec. 28.
Fluid pressure responsive feeder. F. C. Blanchard. 2,103,763; Dec. 28.
Fluid samples, Apparatus for taking. B. E. Lindsly. 2,103,475; Dec. 28.
Foldable table. J. van Kooten. 2,103,703; Dec. 28.
Folding chair. B. Shwayder. 2,103,874; Dec. 28.
Food and stimulant, Colloidal plant. C. Northen. 2,103,953; Dec. 28.
Foods, Cooking. H. M. Campbell. 2,103,513; Dec. 28.
Fork, Hay. A. C. Johnson. 2,103,370; Dec. 28.
Fountain: *See*—
Portable fountain.
Frame: *See*—
Handbag frame. Optical trial frame.
Frequency control line and circuit. C. W. Hansell. 2,103,457; Dec. 28.
Friction clutch. N. B. Newton. 2,103,433; Dec. 28.
Fruits, Method of freezing. W. M. Zarotschenzeff. 2,103,925; Dec. 28.
Fuel burner. T. B. Stillman. 2,103,958; Dec. 28.
Fuel, Burning pulverized. B. Graemiger. 2,103,453; Dec. 28.
Fuel control mechanism. A. C. Hoof. 2,103,368; Dec. 28.
Fuel feeding system with thermostatic air control. H. C. Hanson and W. Olsen. 2,103,328; Dec. 28.
Fuel for engine idling, Supplying. A. Moore. 2,103,628; Dec. 28.
Fuel mixture supply control for the internal-combustion engines of motor vehicles. A. Smart. 2,103,700; Dec. 28.
Fuel, nongumming motor. L. S. Bale. 2,103,927; Dec. 28.
Fuel supply for automobile engines, Auxiliary. C. J. Dempsey. 2,103,516; Dec. 28.
Furnace structure. J. A. Clauss and D. E. McGuire. 2,103,234; Dec. 28.
Furniture. H. E. Aulsbrook. 2,103,422; Dec. 28.
Fuse, Plug. E. A. G. Ganoe. 2,103,717; Dec. 28.
Gain control system, Superheterodyne automatic. J. C. Nonnekens. 2,103,865; Dec. 28.
Game. M. Pool. 2,103,435; Dec. 28.
Game apparatus. R. H. Konikoff. 2,103,467; Dec. 28.
Game apparatus. C. C. Lutes. 2,103,428; Dec. 28.
Game apparatus. D. C. Rockola. 2,103,870; Dec. 28.
Garbage, Apparatus for treating. N. Ohlsen. 2,103,488; Dec. 28.
Garment supporting attachment. C. Knol. 2,103,854; Dec. 28.
Garter, Cowtail. M. Jamba. 2,103,584; Dec. 28.
Gas burner. F. Hess. 2,103,365; Dec. 28.
Gas-filled tube. L. K. Swart. 2,103,439; Dec. 28.
Gases, Method and apparatus for testing hydrocarbon L. S. Gregory. 2,103,582; Dec. 28.
Gate: *See*—
Starting gate.
Gauge: *See*—
Tool setting gauge.
Gauze, Metal. W. H. Heraeus. 2,103,672; Dec. 28.
Gear: *See*—
Locomotive running gear. Vehicle running gear.
Torpedo launching gear. Yieldable gear.
Gear for three-cylinder locomotives, Valve. E. W. Blanchard. 2,103,658; Dec. 28.
Gear pump. W. Ernst. 2,103,524; Dec. 28.
Gear shaping machine, Helical. E. W. Miller. 2,103,911; Dec. 28.
Gear shift mechanism for automobile transmissions. J. L. Getaz. 2,103,326; Dec. 28.
Gear train, Epicyclic. H. C. Hitt. 2,103,259; Dec. 28.
Generator: *See*—
Constant voltage generator. Oscillation generator.
Generators, Controlling automatic Diesel electric. A. Read. 2,103,491; Dec. 28.
Gib for elevator guide shoes. H. F. Mason. 2,103,480; Dec. 28.
Glass, Laminated safety. G. B. Watkins and R. W. Wampler. 2,103,883; Dec. 28.
Glass, Metallizing composition for. R. D. Smith. 2,103,598; Dec. 28.
Glass sheets, Apparatus for supporting. R. S. Hinsey. 2,103,850; Dec. 28.
Glove. J. M. Murray. 2,103,594; Dec. 28.
Glue product for gluing veneers and cross-ply sheets, Novel. E. Geistlich. 2,103,776; Dec. 28.
Glycols, Making. J. R. Heard, Jr. 2,103,840; Dec. 28.
Goggles. B. A. Diggins. 2,103,575; Dec. 28.
Golf club handle. J. C. Brisick. 2,103,889; Dec. 28.
Goods containers on transportation vehicles, Locking. W. P. Kellett. 2,103,751; Dec. 28.
Grease trap. E. W. N. Boosey. 2,103,316; Dec. 28.
Grilling and toasting device. M. Le Masson. 2,103,426; Dec. 28.
Grinding machine, Cylindrical. H. E. Balsiger. 2,103,808; Dec. 28.
Guard and seal assembly, Dust. L. A. Rowe. 2,103,555; Dec. 28.
Guard, Cushioned stocking supporter. E. G. Boyle. 2,103,446; Dec. 28.
Guard for paring knives. J. H. Karlson. 2,103,329; Dec. 28.

Guide, Jacquard needle spring. H. V. Foster. 2,103,814; Dec. 28.
Hair curler. J. Goodman. 2,103,526; Dec. 28.
Hair curler. W. Huppert. 2,103,533–5; Dec. 28.
Hair waver. J. A. Cogswell. 2,103,934; Dec. 28.
Handbag frame. W. C. Hering. 2,103,724; Dec. 28.
Handle: *See*—
Golf club handle.
Handle and shank therefor. J. A. Bartosz. 2,103,442; Dec. 28.
Hanger: *See*—
Coat and vest hanger. Multiple master hanger.
Harness, Golf. J. W. L. Webster. 2,103,502; Dec. 28.
Heater: *See*—
Domestic heater.
Heater for internal combustion engines, Fuel. F. J. Holmes. 2,103,947; Dec. 28.
Heating medium, Method and apparatus for generating. C. A. and A. R. Dunham. 2,103,770; Dec. 28.
Heating system, Steam. J. Van Vulpen. 2,103,835; Dec. 28.
Heel building machine. C. H. Coulson. 2,103,712; Dec. 28.
Holder: *See*—
Abrasive holder. Display holder.
Cigarette holder. Mop holder.
Homogenizing apparatus. W. S. Bowen. 2,103,888; Dec. 28.
Homogenizing mechanism. W. S. Bowen and J. Freeman. 2,103,887; Dec. 28.
Hood and double back for garments, Combination. L. Blauer. 2,103,608; Dec. 28.
Hood, Sliding. H. Lange. 2,103,372; Dec. 28.
Hormone from the urine of pregnant individuals, Isolating the follicle. W. Schoeller, E. Schwenk, and F. Hildebrandt. 2,103,735; Dec. 28.
Horseshoe. J. A. Goodwin. 2,103,718; Dec. 28.
Hose coupling. A. M. Bach. 2,103,838; Dec. 28.
Hosiery. W. J. Longtin. 2,103,625; Dec. 28.
Hosiery drying and pressing device. J. and N. Lipson. 2,103,909; Dec. 28.
House construction and the like, Steel. W. T. Dean. 2,103,407; Dec. 28.
Humidity and temperature control system. D. H. Hill. 2,103,904; Dec. 28.
Hydrocarbons, Purification of crude waxy. J. M. Whiteley and H. G. Vesterdal. 2,103,504; Dec. 28.
Ignition composition containing semi-pyrophoric metal, Safety. A. Schmid. 2,103,698; Dec. 28.
Ignition timer controlling device. L. D. Boyce. 2,103,348; Dec. 28.
Illuminated sign. C. J. Wamser. 2,103,738; Dec. 28.
Indicator: *See*—
Direction indicator. Place indicator.
Indicator for multiple lock sets. L. L. Hansen. 2,103,363; Dec. 28.
Inking device. A. Romano and A. Botta. 2,103,494; Dec. 28.
Insect excluder. C. C. Farmer. 2,103,355; Dec. 28.
Instrument for determining the deviation of bore holes. J. C. Conrad. 2,103,235; Dec. 28.
Insulated homopolar generator. C. E. Berger. 2,103,931; Dec. 28.
Insulating composition, High temperature. O. L. Jones. 2,103,463; Dec. 28.
Insulator. R. H. Walker. 2,103,399; Dec. 28.
Intelligence, Transmission and reception of. S. G. Frantz and B. S. McCutchen. 2,103,745; Dec. 28.
Intensity control system for cathode ray beams. M. von Ardenne. 2,103,652; Dec. 28.
Internal combustion engine. P. R. McCrary. 2,103,787; Dec. 28.
Internal combustion engine. A. W. Nelson. 2,103,595; Dec. 28.
Internal combustion engine. P. A. Tanner. 2,103,564; Dec. 28.
Internal combustion engine. F. B. Yingling. 2,103,604; Dec. 28.
Jig, Pouring. M. Holhut and W. G. Vollmer. 2,103,531; Dec. 28.
Joint: *See*—
Expansion joint.
Joint for concrete building units. H. Bussmann. 2,103,894; Dec. 28.
Joint structure, Expansion. R. Hall. 2,103,981; Dec. 28.
Joints, Sealing expansion. W. O. Snelling. 2,103,648; Dec. 28.
Kit, Sewing. F. W. Watson. 2,103,571; Dec. 28.
Knitting machine. J. Kessler. 2,103,859; Dec. 28.
Lamp and flasher device and manufacture thereof, Combined incandescent. J. Schmidinger. 2,103,278; Dec. 28.
Lamps having coiled-coil filaments, Manufacture of electric incandescent. B. P. Dudding and R. E. Leeds. 2,103,938; Dec. 28.
Lapping machine. H. S. Indge. 2,103,984; Dec. 28.
Latch: *See*—
Motor vehicle latch.
Lathe. C. A. Birkebak. 2,103,315; Dec. 28.
Lathe, Multiple spindle center drive crankshaft. H. C. Pierle. 2,103,298; Dec. 28.
Leather and manufacture thereof. H. Böhm. 2,103,232; Dec. 28.
Lifting speed of differently loaded hydraulic jacks, System of equalizing the. C. D. Henry. 2,103,530; Dec. 28.
Light: *See*—
Portable light.
Light signal. O. S. Field. 2,103,251; Dec. 28.
Lights, Dimming radio. J. L. McWeeny. 2,103,334; Dec. 28.
Line resonator, Low power factor. J. W. Conklin and L. A. Battermann. 2,103,515; Dec. 28.
Linings for Jordan engine shells, Making. H. D. Stuck and P. A. De Nault. 2,103,344; Dec. 28.
Liquid cooler. W. D. Drysdale. 2,103,970; Dec. 28.
Liquid dispensing device. M. L. McKenney. 2,103,687; Dec. 28.
Liquid measuring device. L. McCandless. 2,103,482; Dec. 28.
Liquid recording mechanism. J. P. Taylor. 2,103,566; Dec. 28.
Liquid regulating system, Automatic. M. E. Walters and J. A. Wolfe. 2,103,570; Dec. 28.
Liquids and apparatus therefor, Clarifying. J. J. Selp. 2,103,829; Dec. 28.
Liquids, Cooling. L. T. Mart. 2,103,542; Dec. 28.
Liquids, Handling. F. Ravnsbeck. 2,103,299; Dec. 28.
Liquids, Process of and apparatus for clarifying. J. J. Selp. 2,103,828; Dec. 28.
Lock: *See*—
Automobile lock. Canal lock.
Bar lock.
Lock for motor vehicles, Steering gear. A. Jackson. 2,103,674; Dec. 28.
Lock securing device, Sash. H. H. Kistner. 2,103,987; Dec. 28.
Locomotive running gear. T. V. Buckwalter. 2,103,978; Dec. 28.
Loom dobby. E. R. Holmes. 2,103,784; Dec. 28.
Loom picker. F. W. Merrick. 2,103,991; Dec. 28.
Loom with shuttle changing and loom stopping mechanism. R. G. Turner. 2,103,800; Dec. 28.
Looms, Let-off for. O. V. Payne. 2,103,821; Dec. 28.
Looms, Picking motion for. O. V. Payne. 2,103,820; Dec. 28.
Lubricator: *See*—
Rail head and wheel flange lubricator.
Machine for attaching price tags. J. Weimont and F. A. Hazard. 2,103,654; Dec. 28.
Machine for capping tack heads. N. H. Anderson. 2,103,508; Dec. 28.
Machine for disintegrating, screening, and pumping fibrous or paper making stocks. W. T. Doyle and T. J. Sturtevant. 2,103,896; Dec. 28.
Machine for game playing. C. R. Dumble. 2,103,744; Dec. 28.
Machine for producing rubber and similar articles. H. Mazzeo. 2,103,860; Dec. 28.
Machine for removing lacings from shoe uppers. J. Fossa. 2,103,667; Dec. 28.
Machine for slitting and broiling meat. J. P. Spang. 2,103,563; Dec. 28.
Magnesium from magnesiferous raw materials by thermal reduction, Reduction of. R. Suchy and H. Seliger. 2,103,976; Dec. 28.
Massage machine. A. Schumacher. 2,103,956; Dec. 28.
Material and preparing the same, Artificial textile. G. Schneider. 2,103,497; Dec. 28.
Materials, Treatment of textile. G. H. Ellis and E. W. Kirk. 2,103,452; Dec. 28.
Matrices, Making level faced. C. E. Boutwell. 2,103,764; Dec. 28.
Mattress protector. F. Y. Briscoe. 2,103,244; Dec. 28.
Meat tenderer. S. W. Neldner. 2,103,914; Dec. 28.
Mercoid switch. J. M. Harris, Jr. 2,103,459; Dec. 28.
Mercury compounds, Organic. C. N. Andersen. 2,103,657; Dec. 28.
Mesh, Reinforcement. W. S. Edge. 2,103,897; Dec. 28.
Metalworking machine. R. Eckardt. 2,103,351; Dec. 28.
Metals, Refining. J. O. Betterton and C. N. Waterman. 2,103,762; Dec. 28.
Microscope. G. B. Gallasch. 2,103,525; Dec. 28.
Microscope. R. E. Wilkinson. 2,103,573; Dec. 28.
Microscope illuminator. J. R. Benford and L. V. Foster. 2,103,230; Dec. 28.
Milk products and stabilizer therefor. A. Frieden and S. J. Werbin. 2,103,411; Dec. 28.
Minerals, Concentrating. E. S. Curtis. 2,103,663; Dec. 28.
Minerals, Concentration of phosphate-bearing. F. X. Tartaron and J. B. Duke. 2,103,283; Dec. 28.
Mining machine. C. L. Bowman. 2,103,509; Dec. 28.
Mirror, Nonblurrable. M. Somohano. 2,103,384; Dec. 28.
Mitt, Abrasive. H. Greenwald. 2,103,455; Dec. 28.
Mitten, Timer's. E. W. Cole. 2,103,711; Dec. 28.
Mixing device. R. F. Bean. 2,103,928; Dec. 28.
Mixing device. W. Van Guilder. 2,103,922; Dec. 28.
Modulation metering device. H. J. Schrader. 2,103,341; Dec. 28.
Monoplane, Auto. E. F. Wagner. 2,103,881; Dec. 28.
Mop holder. H. B. Tarbox. 2,103,565; Dec. 28.
Motor: *See*—
Electric motor.
Motor and compressor unit. L. W. Melcher. 2,103,861; Dec. 28.

Motor apparatus. W. H. Wineman. 2,103,963; Dec. 28.
Motor apparatus for pumping and other purposes. R. H. Carr. 2,103,742; Dec. 28.
Motor-block stand. W. G. Vollmer. 2,103,568; Dec. 28.
Motor for pumping mechanism. W. H. Wineman. 2,103,308; Dec. 28.
Motor for pumping mechanism. W. H. Wineman. 2,103,964–5; Dec. 28.
Motor speed regulator. R. Lee and L. E. Egedal. 2,103,589; Dec. 28.
Motor vehicle latch. M. Tibbetts. 2,103,702; Dec. 28.
Mounting and attaching same, Ophthalmic. G. A. Ellestad. 2,103,523; Dec. 28.
Mounting for double panels. F. Hunter. 2,103,532; Dec. 28.
Mounting, Ophthalmic. J. W. Aspenleiter. 2,103,421; Dec. 28.
Mounting, Spring or shackle. J. W. Leighton. 2,103,729; Dec. 28.
Mounting, Telescope sight. F. A. Kuhn. 2,103,539; Dec. 28.
Muller. A. C. Christensen. 2,103,895; Dec. 28.
Multiple master hanger. R. Roller. 2,103,642; Dec. 28.
Multirange indicating instrument. R. and E. Abrahamsohn. 2,103,606; Dec. 28.
Necktie. H. C. Hall. 2,103,456; Dec. 28.
Needle motion for Axminster looms. W. W. Robertson. 2,103,825–6; Dec. 28.
Nitrocellulose, Apparatus for stabilizing. M. G. Milliken. 2,103,593; Dec. 28.
Nitrocellulose, Preparation of. M. O. Schur. 2,103,647; Dec. 28.
Nitrocellulose, Stabilizing. M. G. Milliken. 2,103,592; Dec. 28.
Odor of drying paints, varnishes, and the like and fragrant odor masked paint, Masking the. L. W. Shuger. 2,103,830; Dec. 28.
Odorizer, Car. C. E. Bradburn. 2,103,609; Dec. 28.
Oil, Apparatus for purifying. D. H. Palmer. 2,103,635; Dec. 28.
Oil, Converting hydrocarbon. H. A. Smith. 2,103,561; Dec. 28.
Oil, Dehydrating pine. R. W. Martin. 2,103,429; Dec. 28.
Oil filter. R. H. Pennebaker. 2,103,434; Dec. 28.
Oil, Method of and apparatus for heating. A. E. Harnsberger. 2,103,719; Dec. 28.
Oil, Production of lubricting. D. R. Merrill and P. Subkow. 2,103,591; Dec. 28.
Oils, Distilling lubricating. F. G. Fellows. 2,103,898; Dec. 28.
Oil, Treatment of hydrocarbon. G. Armistead, Jr. 2,103,977; Dec. 28.
Opener, Jar. C. S. Robinson. 2,103,554; Dec. 28.
Optical illusions, Apparatus for producing. F. S. de Deza and R. B. M. Trabazo. 2,103,321; Dec. 28.
Optical trial frame. N. Schneck. 2,103,340; Dec. 28.
Organic compounds containing carboxylic groups, High molecular nitrogenous. C. Schoeller and P. Koerding. 2,103,872; Dec. 28.
Ornamental structure. C. C. Bolyard. 2,103,404; Dec. 28.
Oscillation generator. K. Posthumus. 2,103,638; Dec. 28.
Oscillation generator. J. N. Whitaker. 2,103,655; Dec. 28.
Oscillations, Device adapted to eliminate. F. M. M. B. Salomon. 2,103,643; Dec. 28.
Oscillator, multi range tunable. L. R. Kirkwood. 2,103,853; Dec. 28.
Oscillator, Ultrahigh frequency magnetron. C. W. Hansell. 2,103,362; Dec. 28.
Oscillator, Ultrahigh frequency. K. Posthumus and P. J. H. A. Nordlohne. 2,103,338; Dec. 28.
Oscillatory reciprocatory self-centering pump, Combined. J. B. Boyett. 2,103,987; Dec. 28.
Oven, Coke. G. Cellan-Jones. 2,103,620; Dec. 28.
Package fabrication. L. L. Salfisberg. 2,103,385; Dec. 28.
Package fastening means. H. A. Bauer. 2,103,840; Dec. 28.
Package forming machine. L. L. Salfisberg. 2,103,339; Dec. 28.
Packaging feeding system. L. L. Salfisberg. 2,103,388; Dec. 28.
Packaging machine. L. L. Salfisberg. 2,103,390; Dec. 28.
Panel board. W. H. Frank and J. W. Harper. 2,103,325; Dec. 28.
Paper manufacture. G. A. Richter. 2,103,640; Dec. 28.
Parachute. M. S. Willing. 2,103,806; Dec. 28.
Paste dispensing device. H. Greenwood. 2,103,415; Dec. 28.
Pen cleaner, Fountain. J. D. Sheehan. 2,103,699; Dec. 28.
Pen, Writing. G. S. Walter. 2,103,882; Dec. 28.
Pencil. F. W. Haack. 2,103,417; Dec. 28.
Perambulator. G. W. Gartner. 2,103,616; Dec. 28.
Phosphates of amino acid esters and producing same. W. Schoeller and E. Borgwardt. 2,103,558; Dec. 28.
Photocell. F. Schröter. 2,103,408; Dec. 28.
Photographic apparatus. J. G. Reiser. 2,103,694; Dec. 28.
Pictures, Method of and apparatus for producing television. L. W. Kolozsy. 2,103,420; Dec. 28.
Pipe union and ball check valve, Combined. F. R. Long. 2,103,427; Dec. 28.
Piston expander. W. C. Knoebel. 2,103,665; Dec. 28.
Piston expander. D. M. Smith. 2,103,664; Dec. 28.
Piston pump, Reversible planetary. G. R. Lindberg. 2,103,474; Dec. 28.
Place indicator. R. M. Eichelsdoerfer. 2,103,250; Dec. 28.
Plant setting and fertilizing implement, Combined. J. J. Carner. 2,103,710; Dec. 28.
Plaster case, Detachable. H. M. Gillin. 2,103,942; Dec. 28.
Plow, Automobile snow. R. E. Gay. 2,103,900; Dec. 28.
Plow, Motor snow. C. S. Brown. 2,103,510; Dec. 28.
Plow, Snow. R. E. Cole. 2,103,514; Dec. 28.
Plow, Snow. C. H. Frink. 2,103,775; Dec. 28.
Polymerization products from vinyl ethers, Production of. W. Reppe and O. Schlichting. 2,104,000; Dec. 28.
Polymerization products from vinyl ethers, Production of. W. Reppe and O. Schlichting. 2,104,002; Dec. 28.
Polymers of ketene and preparation of esters thereof, Production of. P. J. Wiezevich and A. H. Gleason. 2,103,505; Dec. 28.
Portable fountain. L. P. Weil. 2,103,653; Dec. 28.
Portable light. S. Novoveszky. 2,103,336; Dec. 28.
Post construction. J. Frei, Jr. 2,103,410; Dec. 28.
Posts, Making. N. J. Bardell. 2,103,839; Dec. 28.
Pot for slug casting machines, Metal. L. W. Willis and E. M. Goodbody. 2,103,995; Dec. 28.
Poultry, Method and apparatus for killing. W. V. Hunt. 2,103,288; Dec. 28.
Power plant. M. H. Kuhner. 2,103,685; Dec. 28.
Power transmission apparatus. R. K. Pepper and S. C. V. Pepper. 2,103,791; Dec. 28.
Press for long and short paste products, Convertible hydraulic. C. Ambrette. 2,103,310; Dec. 28.
Pressing machine control. J. M. Dewey. 2,103,519; Dec. 28.
Pressure casting apparatus. R. J. Schultz. 2,103,438; Dec. 28.
Pressure regulator. C. H. Dockson. 2,103,576; Dec. 28.
Printing apparatus and method, Multiple impression. E. Ericksson. 2,103,812; Dec. 28.
Product of polymerization products from vinyl ethers. W. Reppe and O. Schlichting. 2,104,001; Dec. 28.
Projectile, Antiaircraft. M. S. Willing. 2,103,807; Dec. 28.
Protector: *See*—
Mattress protector.
Pump: *See*—
Gear pump. Piston pump.
Oscillatory reciprocatory self-centering pump.
Pump or motor, Hydraulic. E. K. Benedek. 2,103,313; Dec. 28.
Pump or motor, Variable delivery. E. K. Benedek. 2,103,314; Dec. 28.
Pump valve. D. W. Hoferer. 2,103,673; Dec. 28.
Pyrotechnic, Multiple effect. J. B. Decker. 2,103,936; Dec. 28.
Rack: *See*—
Test rack.
Radio receiving system, Selective. L. E. Thompson. 2,103,878; Dec. 28.
Rail flaw detector mechanism. G. L. Jones and A. Winburn. 2,103,851; Dec. 28.
Rail flaw detector mechanism. W. M. Perry. 2,103,868; Dec. 28.
Rail head and wheel flange lubricator. C. Stern. 2,103,701; Dec. 28.
Railroad crossing signal. O. T. Gregory. 2,103,416; Dec. 28.
Rail treatment method. R. E. Frickey. 2,103,716; Dec. 28.
Ratchet wrench. T. O. Rueb. 2,103,556; Dec. 28.
Razor, Safety. P. Beckley. 2,103,402; Dec. 28.
Razor, Safety. L. A. Young. 2,103,924; Dec. 28.
Receptacle: *See*—
Spaced wall receptacle.
Rectifying and filtering system. P. Müller. 2,103,487; Dec. 28.
Reflector. F. P. Kolb. 2,103,538; Dec. 28.
Refractories, Production of. H. P. Eells, Jr. 2,103,249; Dec. 28.
Refrigerating apparatus. A. D. Karr. 2,103,726; Dec. 28.
Refrigerating apparatus and method. F. H. Hibberd. 2,103,722; Dec. 28.
Refrigerating construction. F. H. Hibberd. 2,103,723; Dec. 28.
Refrigerating system. J. Kirgan. 2,103,728; Dec. 28.
Refrigerating unit. L. W. Melcher. 2,103,862; Dec. 28.
Refrigeration apparatus. J. H. Ashbaugh. 2,103,682; Dec. 28.
Refrigeration apparatus. M. Kallischer. 2,103,683; Dec. 28.
Refrigerator. J. T. Whalen. 2,103,885; Dec. 28.
Refrigerator, Transportable anchorable. H. W. Blake. 2,103,231; Dec. 28.
Register, Adjustable. S. Hart and L. Zavorski. 2,103,982; Dec. 28.
Register, Card. N. I. Rosen. 2,103,695; Dec. 28.
Register, Portable. J. Q. Sherman. 2,103,279; Dec. 28.
Regulating system. E. Friedländer. 2,103,774; Dec. 28.
Regulating system. J. Kucera. 2,103,818; Dec. 28.
Regulator: *See*—
Motor speed regulator. Pressure regulator.
Regulator. E. L. Harder. 2,103,782; Dec. 28.

Reradiation, Eliminating. A. Gothe. 2,103,358; Dec. 28.
Resilient wheel. A. J. Park. 2,103,867; Dec. 28.
Resin manufacture, Synthetic. H. O. Albrecht, R. A. McGlone, and S. J. Roskosky. 2,103,238; Dec. 28.
Resins, Vinyl. D. M. Gray. 2,103,581; Dec. 28.
Ribbon and ink composition therefor, Typewriter. G. W. Schaefer. 2,103,275; Dec. 28.
Ring: *See*—
Finger ring.
Ring for floor maintenance machine brushes, Drive. K. C. Atkin. 2,103,311; Dec. 28.
Rings, Making finger. F. J. Gaertner. 2,103,413; Dec. 28.
Rock drill. E. G. Gartin. 2,103,252; Dec. 28.
Rock drill. F. F. Graham. 2,103,359; Dec. 28.
Rosin esters, Refining of. J. N. Borglin. 2,103,445; Dec. 28.
Rotary switch, Double circuit. C. B. Howard. 2,103,287; Dec. 28.
Rubber composition and preservation of rubber. G. D. Martin. 2,103,686; Dec. 28.
Rubber or other materials, Vulcanization of. A. L. Hock, A. Kirkham, and H. Spence. 2,103,461; Dec. 28.
Rubberized product. E. G. Budd. 2,103,245; Dec. 28.
Safety device. W. H. Wineman. 2,103,962; Dec. 28.
Salt, Gathering of. J. B. Semple. 2,103,757; Dec. 28.
Sash and store front construction. C. D. Lowry. 2,103,731–2; Dec. 28.
Scalp-treating device. M. E. Koehler. 2,103,949; Dec. 28.
Scour prevention. J. C. Stevens. 2,103,600; Dec. 28.
Scraper. C. Le Bleu. 2,103,588; Dec. 28.
Screw part and driver. A. V. Gulliborg. 2,103,944; Dec. 28.
Seal. H. Leach. 2,103,292; Dec. 28.
Seal, Electric bag. N. B. Henley. 2,103,945; Dec. 28.
Sealing equipment, Refrigerated. W. N. McWade. 2,103,544; Dec. 28.
Selecting system. E. R. Wheeler and E. J. Sortore. 2,103,761; Dec. 28.
Selector for sorting machines. W. C. Silver. 2,103,559; Dec. 28.
Self-hardening compositions, Acid-proof. K. Dietz and K. Frank. 2,103,768; Dec. 28.
Separator. T. C. Bleth. 2,103,809; Dec. 28.
Server, Planked food. A. F. Saunders. 2,103,496; Dec. 28.
Sewing machine. F. Lutz. 2,103,478; Dec. 28.
Sewing machines, Circular knit tubing cutter attachment for. C. A. Scheaffer and C. C. Foil. 2,103,696; Dec. 28.
Sewing machines, Knee control for. N. T. Sawdey and N. E. Colegrove. 2,103,557; Dec. 28.
Sewing machines, Lubricating device for. G. A. Fleckenstein and M. L. Waterman. 2,103,899; Dec. 28.
Sewing machines, Lubricating system for. H. J. LeVesconte and A. M. Schweda. 2,103,473; Dec. 28.
Sewing machines, Presser mechanism for. F. A. Kucera. 2,103,470; Dec. 28.
Shade adapter, Lamp. W. N. de Sherbinin. 2,103,322; Dec. 28.
Sharpener, Drill steel. C. W. Beamer. 2,103,705; Dec. 28.
Shaving implement. J. Muros. 2,103,753; Dec. 28.
Sheets, Making equalizer. E. C. Greenway. 2,103,360; Dec. 28.
Shelf, Angular display. P. H. Meyer. 2,103,484; Dec. 28.
Ship construction. H. P. Frear. 2,103,715; Dec. 28.
Shock absorber. J. H. Herr. 2,103,946; Dec. 28.
Side tracking apparatus. R. B. Kinzbach. 2,103,622; Dec. 28.
Sight feed device. W. J. Powers. 2,103,733; Dec. 28.
Sign: *See*—
Animated sign. Illuminated sign.
Signal: *See*—
Door closing warning signal. Railroad crossing signal.
Light signal.
Signal means. V. Cranford. 2,103,247; Dec. 28.
Signal system. W. D. Lindsey. 2,103,857; Dec. 28.
Signal translating apparatus. E. C. Guedon. 2,103,361; Dec. 28.
Signaling. C. W. Hansell. 2,103,847; Dec. 28.
Signaling system and method. R. C. Mathes. 2,103,481; Dec. 28.
Silencer for the exhaust gases of internal combustion engines. E. Caspar. 2,103,810; Dec. 28.
Skates to shoes, Attaching. F. G. Tappé. 2,103,737; Dec. 28.
Slab. H. H. Bunker. 2,103,765; Dec. 28.
Slackener control for loom warps. E. R. Holmes. 2,103,783; Dec. 28.
Slicer, Vegetable. T. A. and R. T. Killman. 2,103,537; Dec. 28.
Slicing machine. W. A. van Berkel. 2,103,567; Dec. 28.
Slush pump valve. C. White. 2,103,503; Dec. 28.
Solids from liquids, Apparatus for separating. J. J. Seip. 2,103,796; Dec. 28.
Sound and picture control, Synchronized. T. Cahill. 2,103,766; Dec. 28.
Spaced wall receptacle. W. Kline and W. A. Brubaker. 2,103,677; Dec. 28.
Spark plug and making the same. S. H. Stupakoff. 2,103,759; Dec. 28.
Speed responsive apparatus. H. L. Bone. 2,103,706; Dec. 28.
Speed responsive apparatus. R. K. Crooks. 2,103,707; Dec. 28.
Spider construction for stalk cutters. L. J. Taylor. 2,103,345; Dec. 28.
Spray plate and making the same, Faucet attachment. C. E. Lehman. 2,103,424; Dec. 28.
Spring wind-up for wagons. J. Kuchar. 2,103,471; Dec. 28.
Stairway, Moving. A. E. Handy. 2,103,327; Dec. 28.
Stand: *See*—
Display stand. Motor-block stand.
Stapling device. W. G. Pankonin. 2,103,551; Dec. 28.
Starter, Engine. J. A. Charter. 2,103,233; Dec. 28.
Starting gate. J. M. Mason. 2,103,968; Dec. 28.
Starting mechanism for internal combustion engines, Automatic. F. T. Christian. 2,103,405; Dec. 28.
Starting system, Automatic. M. W. Morris. 2,103,375; Dec. 28.
Staybolts, Testing. G. R. Greenslade. 2,103,256; Dec. 28.
Steels, Heat treatment of. J. W. Harsch. 2,103,848; Dec. 28.
Step, Removable ladder. A. Voigt. 2,103,603; Dec. 28.
Sterilizer. H. E. Cann. 2,103,709; Dec. 28.
Stock-quotation system. M. L. Nelson, H. C. Robinson, and J. I. Bellamy. 2,103,297; Dec. 28.
Stoker control and method of maintaining desired fuel bed resistance. H. S. Morton. 2,103,913; Dec. 28.
Stone from gravel, Apparatus for eliminating soft. V. Mikan. 2,103,374; Dec. 28.
Stopcock. M. C. Inge. 2,103,536; Dec. 28.
Strainer, Rotary. D. R. McNeal. 2,103,483; Dec. 28.
Strip feed mechanism. A. S. Howell. 2,103,369; Dec. 28.
Strips, Forming felted. D. C. Drill. 2,103,769; Dec. 28.
Sucker rod assembly, Withdrawable. W. H. Stigall. 2,103,601; Dec. 28.
Sucker rod stabilizer. C. L. Coshow. 2,103,236; Dec. 28.
Sulphur compounds, Production of organic. H. Ufer. 2,103,879–80; Dec. 28.
Sulphuric derivatives, Process for preparation of. E. J. Gohr. 2,103,255; Dec. 28.
Supercharging mechanism for Diesel engines. B. Loeffler. 2,103,974; Dec. 28.
Support: *See*—
Arch support. Brick support.
Supporting bracket, Variable inclination. P. H. Meyer. 2,103,485; Dec. 28.
Suspension device for motor cars or other vehicles, Resilient. A. R. Lefevre. 2,103,590; Dec. 28.
Switch: *See*—
Control switch. Mercoid switch.
Electrical switch. Rotary switch.
Flow controlled switch. Time switch.
Switch. P. S. Bear. 2,103,929; Dec. 28.
Table: *See*—
Classroom committee table. Foldable table.
Table unit, Collapsible. H. La Fetra. 2,103,330; Dec. 28.
Tag printing device. H. I. Lippard. 2,103,752; Dec. 28.
Talking device. H. J. Whelan and L. T. Clark. 2,103,739; Dec. 28.
Tank attachment, Flush. E. J. Goodman and J. W. Bibee. 2,103,580; Dec. 28.
Tank for motor vehicles, Gasoline. C. O. Castledine. 2,103,448; Dec. 28.
Tanning board. E. A. Headland. 2,103,983; Dec. 28.
Telephone system. N. H. Saunders. 2,103,301; Dec. 28.
Telephone system, Measured service. K. Wollack. 2,103,441; Dec. 28.
Terminal box device. F. D. Waldron and A. J. Wier. 2,103,501; Dec. 28.
Test rack. F. B. Thomas. 2,103,305; Dec. 28.
Therapeutic composition. J. Ebert. 2,103,522; Dec. 28.
Therapeutic device. A. C. Kleckner. 2,103,371; Dec. 28.
Thermometer. F. A. Nodine. 2,103,633–4; Dec. 28.
Thermostatic valve. G. J. Day. 2,103,614; Dec. 28.
Ticket issuing machine. R. H. Helsel. 2,103,720; Dec. 28.
Time delay apparatus. V. L. Cestnaes and C. A. Swanstrom. 2,103,378; Dec. 28.
Time switch. W. K. Kearsley. 2,103,907; Dec. 28.
Timing device. H. Hastings. 2,103,257; Dec. 28.
Tire lug. F. A. Olmstead. 2,103,550; Dec. 28.
Tool: *See*—
Brake adjusting tool. Valve reseating tool.
Tool construction. M. R. Ford. 2,103,409; Dec. 28.
Tool for well drilling, Fishing. G. F. Le Bus. 2,103,988; Dec. 28.
Tool, Forming a rotary. C. J. Oxford. 2,103,379; Dec. 28.
Tool machine, Rotary. E. R. Motch and J. G. Moohl. 2,103,486; Dec. 28.
Tool setting gauge. L. C. Hammond. 2,103,528; Dec. 28.
Top for dry cells, Metal. P. Drummond. 2,103,714; Dec. 28.
Torpedo launching gear. H. Scott-Paine. 2,103,380; Dec. 28.

Towel dispensing apparatus. R. G. Birr. 2,103,403; Dec. 28.
Toy. L. Carl. 2,103,447; Dec. 28.
Train control device, Automatic. C. C. Farmer and E. E. Hewitt. 2,103,352; Dec. 28.
Transfer medium, Communicating. S. A. Neldich. 2,103,690; Dec. 28.
Transmission. E. McCormick and W. H. Worthington. 2,103,543; Dec. 28.
Transmission, Change speed. W. T. Livermore. 2,103,540; Dec. 28.
Transmitting and receiving system. M. L. Nelson, H. C. Robinson, and J. I. Bellamy. 2,103,296; Dec. 28.
Trap; *See*—
Animal trap. Grease trap.
Traveling case. L. G. Stanley. 2,103,281; Dec. 28.
Trouser cuff and fastening same. C. B. Goodstein. 2,103,845; Dec. 28.
Tronsers and making the same. M. Jacobs. 2,103,985; Dec. 28.
Truck. C. L. Eastburg. 2,103,979; Dec. 28.
Truck, Car. W. S. Dietrich. 2,103,713; Dec. 28.
Tube; *See*—
Braun tube. X-ray tube.
Gas-filled tube.
Tube bore mandrel for tube forming machines, Positively controlled. J. B. Wintercorn. 2,103,574; Dec. 28.
Tube cleaner. J. R. Turner. 2,103,760; Dec. 28.
Tube testing device. W. De Verter. 2,103,450; Dec. 28.
Tube welding. J. L. Anderson. 2,103,346; Dec. 28.
Tubing head. G. B. Kitchel and E. J. Roach. 2,103,586; Dec. 28.
Tufting mechanism for tufting a fabric base. M. A. Taradash. 2,103,798; Dec. 28.
Tuning indicin, Projecting and magnifying. J. L. McWeeny. 2,103,333; Dec. 28.
Turbine bucket wheel notch block. R. Hillner. 2,103,905; Dec. 28.
Turbine-generator field-winding. B. A. Rose. 2,103,795; Dec. 28.
Typewriter. W. A. Fowler. 2,103,668; Dec. 28.
Typewriter. W. H. Schmidt. 2,103,734; Dec. 28.
Typewriting machine. R. G. Thompson. 2,103,921; Dec. 28.
Typographical machine. H. R. Freund. 2,103,980; Dec. 28.
Umbrella point, Beach. E. Jones. 2,103,948; Dec. 28.
Utensil, Electric cooking. A. T. Smith and H. J. Moon. 2,103,560; Dec. 28.
Utensil of fibrous structure and making same, Culinary. A. L. Clapp. 2,103,318; Dec. 28.
Vaccine and producing same, Nonspecific spermatoxic. M. J. Baskin. 2,103,240; Dec. 28.
Valuable substances, Production of. H. Ruckdeschel. 2,103,495; Dec. 28.
Valve; *See*—
Pipe union and ball check valve. Slush pump valve.
Pump valve. Thermostatic valve.
Valve. W. J. Jacobsson. 2,103,725; Dec. 28.
Valve and the like, Tire. I. D. Perry. 2,103,822; Dec. 28.
Valve converting system, Electric. C. C. Herskind. 2,103,903; Dec. 28.
Valve device, Check. W. I. Conant and C. C. Farmer. 2,103,349; Dec. 28.
Valve reseating tool. R. P. Norton. 2,103,377; Dec. 28.
Variable resistor device. E. Severin and F. Schierl. 2,103,873; Dec. 28.
Vault, Burial. R. H. Morris. 2,103,547; Dec. 28.
Vehicle construction. L. M. Francis. 2,103,669; Dec. 28.
Vehicle construction. K. K. Propst. 2,103,915; Dec. 28.
Vehicle for forward and backward travel, Automobile. E. Luschinsky. 2,103,858; Dec. 28.
Vehicle, Motor road. H. L. P. Lester. 2,103,624; Dec. 28.
Vehicle running gear. E. H. Perkins and H. E. Mills. 2,103,381; Dec. 28.
Vending apparatus or the like. G. J. Scofield. 2,103,391; Dec. 28.
Vending machine. W. L. Kissel. 2,103,289; Dec. 28.
Ventilating system, Vehicle. W. J. Mayer. 2,103,990; Dec. 28.
Ventilator. M. Fillon, née Le Compte. 2,103,843; Dec. 28.
Vessel, Refrigerated shipping and/or storing metal. W. Kline and W. A. Brubaker. 2,103,678; Dec. 28.
Vibration arrester for tube frames. W. W. Robertson. 2,103,824; Dec. 28.
Vibration arrester for tube frame. W. W. Robertson. 2,103,827; Dec. 28.
Visor construction. W. O. Meller. 2,103,863; Dec. 28.
Warp beam. C. R. Howard. 2,103,785; Dec. 28.
Warp slackener for looms. W. H. Wakefield. 2,103,836; Dec. 28.
Washing machine. T. W. Behan. 2,103,966; Dec. 28.
Washing machine, Vehicle. H. C. Drake. 2,103,842; Dec. 28.
Wave system, Ultrashort. E. Gerhard. 2,103,357; Dec. 28.
Wave translating system. J. G. Kreer, Jr. 2,103,468; Dec. 28.
Wave translating system. C. S. Yeutter. 2,103,506; Dec. 28.
Waving device, Permanent. W. H. Brown. 2,103,890–1; Dec. 28.
Wax, Parting. C. V. Goodyear. 2,103,527; Dec. 28.
Weather strip and window guide, Combined. E. J. Feller. 2,103,772; Dec. 28.
Weather stripping and making the same. C. P. Schlegel. 2,103,697; Dec. 28.
Weave scanning device, Solid. D. B. Gardner. 2,103,253; Dec. 28.
Weighing device. M. A. Weckerly. 2,103,400; Dec. 28.
Welding, Electric. H. E. Kennedy, M. A. Rotermund, and L. T. Jones. 2,103,727; Dec. 28.
Well reamer. J. H. Howard and A. C. Catland. 2,103,583; Dec. 28.
Well tester. A. H. Fletcher. 2,103,940; Dec. 28.
Wells, Controlling. R. A. Mueller. 2,103,431; Dec. 28.
Welt-treating machine. C. E. Hood. 2,103,260; Dec. 28.
Welting and making the same. E. F. Mathews. 2,103,331; Dec. 28.
Wetting preparations, Manufacture and use of. H. Lier. 2,103,819; Dec. 28.
Wharve for spindles for spinning, twisting, winding, and similar machines. C. Schleifer. 2,103,436; Dec. 28.
Wheel; *See*—
Resilient wheel.
Wheel. J. D. Tyson. 2,103,834; Dec. 28.
Wheelbarrow manufacture. I. R. Smith. 2,103,562; Dec. 28.
Winch. J. J. Low. 2,103,541; Dec. 28.
Winding machine. J. C. Anderson. 2,103,239; Dec. 28.
Winding machine. R. J. Bartholomew. 2,103,347; Dec. 28.
Windmill. K. R. Lung. 2,103,910; Dec. 28.
Window. C. F. Hanson. 2,103,364; Dec. 28.
Window construction. T. I. Moseley. 2,103,864; Dec. 28.
Window construction. J. D. Silberman. 2,103,876; Dec. 28.
Wiper, Windshield. E. C. Horton. 2,103,973; Dec. 28.
Wrapper. H. W. Brown. 2,103,892; Dec. 28.
Wrench; *See*—
Ratchet wrench.
X-ray tube. H. F. Mesick, Jr., and M. J. Gross. 2,103,335; Dec. 28.
Yarns, Warping artificial. C. Hargreaves and R. Booth. 2,103,458; Dec. 28.
Yieldable gear. H. F. Hansen. 2,103,781; Dec. 28.

CLASSIFICATION OF PATENTS

ISSUED DECEMBER 28, 1937

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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Photostat Copies

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Examiners' Letters and Amendments

Examiners are directed to recite in each letter in an application the date of the action by the applicant to which it is a reply, and applicants are requested to indicate in their actions on an application the date of the last Office letter.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,871,768, J. D. Wood, Operating mechanism for circuit breakers, decided September 24, 1937, claims 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Pat. 1,971,086, V. E. Trouant, Standard frequency apparatus, decided November 17, 1937, claim 2.

Pat. 2,032,091, H. S. Holt, Plasticized composition, decided October 26, 1937, claims 1 and 2.

Design Pat. 104,474, P. E. Roehrich, decided November 17, 1937, the claim as shown.

Design Pat. 104,728, P. E. Roehrich, decided November 17, 1937, the claim as shown.

Disclaimers

1,804,330.—*Harold T. Faus,* Lynn, Mass. Electric Measuring Instrument. Patent dated May 5, 1931. Disclaimer filed November 11, 1937, by the assignee, *General Electric Company.*

Hereby enters this disclaimer to claim 6 of said Letters Patent.

1,959,799.—*Kurt T. Potthoff,* Brooklyn, N. Y. Method and Apparatus for Treating Material. Patent dated May 22, 1934. Disclaimer filed November 17, 1937, by the assignee, *U. S. Galvanizing & Plating Equipment Corporation.*

Hereby enters this disclaimer to claims 34 and 36.

2,032,091.—*Harold S. Holt,* Wilmington, Del. Plasticized Composition. Patent dated February 25, 1936. Disclaimer filed November 18, 1937, by the assignee, *E. I. du Pont de Nemours and Company.*

Hereby enters this disclaimer to claims 1 and 2 of said specification.

2,036,229.—*Douglas George King Moss,* Sanderstead, England. Gyroscopic Navigation Instrument. Patent dated April 7, 1936. Disclaimer filed November 16, 1937, by the patentee.

Hereby enters this disclaimer to claim 3 in said specification.

Condition of Applications Under Examination at Close of Business November 20, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,271; Trade-Mark Division, 1,730. Oldest new case, May 18, 1937; oldest amended, May 7, 1937.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	June 28	July 3	724
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 26	July 24	784
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 21	Sept. 16	447
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Aug. 11	Aug. 10	476
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons,	Aug. 23	Aug. 26	568
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 21	Aug. 18	774
5725	7. JARBOE, C. G., Optics; Photography	Aug. 10	Aug. 10	1,015
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	July 30	Aug. 18	612
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 23	July 16	537
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 6	July 21	821
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 13	Aug. 18	461
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	July 6	July 8	630
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	July 29	July 29	653
5097	14. SMITH, O. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 20	Aug. 19	538
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 12	Aug. 12	1,036
5716	16. SPENCER, C. J., Telegraphy; Telephony	July 24	July 24	732
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 21	Aug. 19	539
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	July 26	July 27	463
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	July 21	July 22	807
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 2	Aug. 6	464
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 21	Aug. 24	539
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 24	Aug. 25	586
7624	23. BUTTNER, W. J., Registers (part)	May 18	May 7	297
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 25	Aug. 25	624
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 12	Aug. 11	578
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	July 20	July 27	485
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	June 21	June 14	883
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Aug. 31	Aug. 25	367
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	July 26	July 29	727
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 24	June 24	874
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Aug. 26	Aug. 21	569
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 7	Aug. 14	479
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 23	Aug. 12	867
6628	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Sept. 1	Sept. 7	325
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Aug. 14	Aug. 27	532
7992	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 6	June 28	544
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	June 23	June 24	734
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	July 28	July 31	616
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 16	July 21	577
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	July 20	July 20	1,215
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Aug. 13	Aug. 12	277
5882	42. CUTTING, H. O., Electric Signaling	Aug. 9	July 21	527
4886B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Aug. 20	Aug. 20	614
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	June 28	June 30	813
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors, Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Aug. 2	Aug. 4	658
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	July 30	July 30	572
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	Aug. 17	Aug. 17	577
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 10	Aug. 12	536
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 1	June 2	840
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Aug. 20	Aug. 20	585
5628	51. BACKUS, C. D., Radiant Energy	Aug. 13	Aug. 13	727
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 7	Aug. 10	908
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 14	July 22	782
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Sept. 13	Sept. 14	436
6863	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 19	July 13	901
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 20	July 20	1,021
6613	57. NICOLSON, O. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	June 24	July 8	552
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	July 28	Aug. 5	384
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Aug. 10	Aug. 10	618
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 2	Aug. 2	502
5724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 23	June 22	629
5621	62. PUGH, E. C., Games; Geometrical Instruments	Aug. 26	Aug. 18	578
4898	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Aug. 17	Aug. 12	398
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Aug. 20	Aug. 20	1,011
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 23	July 22	663
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Oct. 1	Oct. 21	1,462
	(Labels and Prints	Oct. 20	Nov. 5	268
2606	DESIGNS, H. H. KALUPY	Oct. 25	Nov. 9	693

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

KOLLSMAN *v.* COE, COMMISSIONER OF PATENTS

No. 6,784. Decided September 13, 1937

PATENTABILITY—QUICK READING INDICATOR.

Certain claims of an application for patent on quick reading indicator *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Leonard Day for Kollsman.

Mr. R. F. Whitehead and *Mr. Wm. Wallace Cochran* for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices.

STEPHENS, *A. J.:*

This is a suit brought under section 4915 of the Revised Statutes (35 U. S. C. § 63). It was based upon a decision of the Board of Appeals of the United States Patent Office, which rejected claims 1 to 7 of the appellant's application for patent. The District Court of the United States for the District of Columbia decreed that the appellant was entitled to a patent on his application, Serial No. 705,642, filed January 8, 1934, entitled "Quick Reading Indicator", the patent to include claim 7, but not to include claims 1 to 6, both inclusive.

No appeal was taken from that part of the decree which allowed claim 7. The appellant abandoned claims 3 and 4, and the appeal involves only claims 1, 2, 5, and 6.

We have carefully considered the record and briefs. For the reasons set forth by the tribunals of the Patent Office, which we deem it unnecessary to reiterate, we are convinced that the appealed claims, read in the light of the specification, recite nothing that required invention.

Decree affirmed.

Affirmed.

VAN ORSDEL, *A. J.*, sat during the argument of this case, but died before the opinion was prepared.

U. S. Court of Customs and Patent Appeals

IN RE QUARTZ

No. 3,797. Decided May 29, 1937

[90 F.(2d) 255]

PATENTABILITY—CARBON SHEET.

Claims for a carbon sheet *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. George L. DeMott and *Mr. T. T. Greenwood* for Quartz.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.:*

The appellant filed an application in the United States Patent Office for a patent on an improvement in carbon sheets and carbon binders. One claim, the only remaining one in the case, was rejected by both tribunals in the Patent Office, and is brought here on appeal. This claim is as follows:

22. A carbon sheet comprising a paper sheet having a carbon deposit on its working face and a projecting uncoated margin on one long edge of the sheet contrasting in color with the remainder of the sheet and coextensive with the top and bottom edges of the sheet, said uncoated margin having on its back face a continuous series of horizontal marks spaced apart by a distance equal to the single line spacing of a typewriter, the continuous series of single spaced line marks being coextensive with the length of the carbon deposit and said marks being progressively numbered throughout the length of the margin, said marks and said numbers serving to denote the position of typed characters on all portions of the sheet and to cooperate with the horizontal scale of the platen.

The Examiner relied on the following prior art: Burnett, 1,419,217, June 13, 1922; Smith, 1,133,331, March 30, 1915; Scott, 1,931,168, October 17, 1933; Ohashi, 898,916, September 15, 1908.

The same references were also relied upon by the Board of Appeals.

The appellant's contribution to the art is a carbon sheet

"with an uncoated strip along one edge and provided on the reverse side of the uncoated strip with marks spaced equal to the single line spacing of a typewriter, the marks being numbered * * * from 1 at the bottom to 63 at the top."

The sheet is so arranged that the uncoated strip and numbers project beyond the paper which is being written upon, and the carbon area is the same as that of the record sheets. The uncoated strip also has thereon printed spaces giving the trade name of the carbon sheet at various places along the numbered strip.

It is claimed by the appellant that his carbon sheet, which may also be used in a pack, enables the operator to arrange and handle the carbon sheets without soiling the hands, and that the numbers and marks appearing upon the margin enable the user to see when he is approaching the bottom of his record and duplicate sheets. It is also alleged that by means of the marginal numbers and marks, in conjunction with the scale on the platen, it is possible to make duplicate ribbon copies of matter which has been typewritten, and is very useful in arranging printed matter on copies, according to some prearranged desired form. In addition it is stated that by the single-space arrangement of the numbers on the uncoated margin, the carbons can be so shifted as to avoid the repeated use of the same space in the carbon sheet, to utilize each portion of the carbon surface, and to accomplish a great saving in the number of carbon sheets used.

Four patents are cited as references. Ohashi shows a backing sheet for typewriting. This sheet is made to project at one edge slightly beyond the right-hand edge of the sheet which receives the writing. A series of numerals is arranged on both sides so that they may be read in reverse order, running from 1 to 58, inclusive. These are at the right-hand opposite faces of the sheet, so that the sheet may be reversed, if desired.

The patentee Smith shows a carbon sheet with

an upper uncoated margin used for the purpose of avoiding loss of time in trimming off the carbon sheets, and making it

"simple and easy to assemble the carbons in the machine, with their leading edges in alinement with one another."

The patent to Burnett shows a carbon sheet with the carbon-coated surface extending entirely across the sheet. On the right-hand margin of the non-carbon-coated surface, along a part of the margin, namely, at the midpoint and at a number of points near both the upper and lower margins, indicia by which the operator is warned of the approach to the end of the sheet are provided.

The patent to Scott shows a carbon sheet having uncoated margins on both sides, each provided with indicia consisting of cut-in portions, by use of which the operator can note the approach of the end of the work sheet.

Accompanying the application is an affidavit of the inventor. There also appears in the record the affidavit of George F. Malcolm. These affidavits show very definitely the commercial success of the appellant's carbon sheets. It appears from these showings that during the last year more than $50,000 worth of carbon paper bearing this invention was sold, that the product has become commercially successful to a very considerable degree, and that it sells on the market at much higher prices than other competing papers. It is admitted by the Patent Office tribunals and by the Solicitor for the Patent Office in his argument here, that the product herein involved is useful and is a commercial success, and that it is novel and produces new and useful results. However, it is contended that it lacks invention over the reference patents.

As it seems to the court, the application of the appellant discloses a new and novel combination which is inventive. It is true that the prior art discloses two of the marked characteristics of utility in the carbon paper of appellant, namely, marginal numerals and margins free from carbon. There is, however, in this paper of appellant, a combination of utility and new and useful results which seems to entitle it to the award of a patent. The patent to Ohashi was not a carbon sheet. The patent to Smith was so remote as to obtain but slight mention from the Board of Appeals. The patent to Burnett lacked two of the main essentials, namely, a continuous line of marginal numerals and a soil-proof margin, and the patent to Scott had no marginal numerals. Carbon papers have been used for many years, and it is apparent that the art appreciated some of the difficulties which this inventor was seeking to overcome. However, while workers in the art approached, to some extent, a solution of the problem, the problem was not solved until this appellant conceived the fortunate combination of elements which converted these failures into a success. It is somewhat difficult, sometimes, to say just where invention begins, but it frequently happens, as it seems to have happened here, that someone will conceive of a fortunate combination which produces a great advance in the art, which, perchance, seems to be but a small deviation from the practice and prior knowledge of the art.

The utility of this carbon paper is plainly apparent on seeing it in operation. Economies are produced by the use of the entire carbon backing. It is possible to make exact ribbon copies by the combination of the marginal numbers and platen scale, which greatly facilitate the work of the typist. These were lacking in the prior art and constitute considerable advances.

We are of opinion that the appellant has made an invention, and that he should be given a patent therefor.

The decision of the Board of Appeals of the United States Patent Office is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

KIRSCHBRAUN *v.* DOHERTY

No. 3,798. Decided May 29, 1937

[90 F.(2d) 251]

1. INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.
Record reviewed and *Held* that D. has no right to make count 1 of the issue and that priority as to that count should have been awarded to K.

2. SAME—SAME.
Evidence reviewed and *Held* to establish that D. was the first to conceive the invention of counts 2 and 3 and the first to reduce it to practice, and priority was properly awarded to him.

APPEAL from the Patent Office. Modified.

Mr. Charles M. Thomas and *Mr. Clarence O. McKay* for Kirschbraun.

Mr. Edmund G. Borden for Doherty.

GRAHAM, *P. J.*:

An interference proceeding was instituted in the United States Patent Office between the application of Lester Kirschbraun, for certain improvements in apparatus and process for treating hydrocarbon oils, filed April 1, 1920, and a pending application of one Henry L. Doherty, filed February 24, 1920, for a similar invention. There were originally five counts in the interference. Count 1 of the interference, as now before us, is the only remaining count which was in the original interference as count 3 thereof. Counts 2 and 3 of the present interference were added on the suggestion of the party Doherty. All three of the present counts originated in the Doherty application.

The three counts of the interference are as follows:

1. A process of distilling oil comprising heating a heavy hydrocarbon oil under pressure to a cracking temperature while it is being circulated in a stream, discharging the heated oil into an enlarged chamber while maintaining the pressure therein to separate vapors from the oil, continuously leading the vapors and the oil in separate streams from the chamber into a body of oil maintained at a cracking temperature and pressure, bringing the vapors into direct contact with the oil of the body and leading off vapors from the body and condensing them.

2. A continuous process for cracking hydrocarbon oils, which comprises heating the oil in a confined stream of restricted cross section in a cracking zone, passing cracked oil from said zone through successive vapor releasing chambers of decreasing temperature and pressure, passing vapors released in a chamber of higher temperature through and in intimate contact with liquid oil in the next succeeding chamber of lower temperature, and withdrawing and condensing vapors from the chamber of lowest temperature.

3. The process of cracking hydrocarbon oils which comprises, heating the oil to be cracked to a cracking temperature in a confined stream of restricted cross section in a heating zone, passing heated oil from said zone through successive vapor releasing zones of decreasing temperature and pressure, passing vapors released in each vapor releasing zone except the last, into the next succeeding zone of lower temperature in contact with liquid oil constituents therein, subjecting vapors remaining uncondensed in said zones to dephlegmating conditions to produce reflux condensate, passing reflux condensate produced by said dephlegmatic conditions to said heating zone for retreatment, and producing a final condensate from the vapors removed from the last vapor releasing zone.

The junior party Kirschbraun filed a motion to dissolve the interference on the ground that the Doherty application fails to disclose or teach the invention defined by the counts and will not support said counts.

The senior party Doherty moved to dissolve the interference on the grounds; first, on account of irregularity in its declaration; second, that the Universal Oil Products Company, the assignee of the junior party Kirschbraun, had waived its rights by failure to move to amend in interference No. 55,846 (*Doherty* v. *Dubbs*) and insert the counts of this interference in said interference; third, that the junior party's aforesaid assignee is estopped by its failure for more than two years after knowledge thereof to copy the then allowed claims 3, 4, and 5 from the senior party's application; fourth, that the junior party has no right to make counts 1 and 2 because of failure to disclose the subject matter defined by these counts, namely, and particularly, that it does not disclose the passage of "*all* of the cracked oil" and "*all* vapors." [Italics ours.]

The Examiner of Interferences sustained the Kirschbraun motion to dissolve as to counts 1 and 2 of the interference, and overruled it as to count 3, which was made, thereafter, count 1. The Doherty motion to dissolve was overruled in toto. Doherty's motion to add proposed counts 6 and 7 was allowed and these were added as new counts 2 and 3. The interference was dissolved as to counts 4 and 5 on the motions of both parties. The interference was then reformed with three counts as they are now before us.

On final hearing, the Examiner of Interferences awarded priority as to all counts to the senior party Doherty. On appeal, the Board of Appeals affirmed the decision of the Examiner of Interferences.

The matter comes to us on the appeal of the junior party Kirschbraun, and a number of questions are raised which will require a rather extended survey of the record. Both parties took evidence as to priority of conception and reduction to practice.

The counts now in the interference are each for a process.

The application of the senior party discloses a process for distilling heavy hydrocarbon oils. The product desired to be obtained is lighter hydrocarbon oils, particularly gasoline, and other fractional distillates. The invention contemplates rapidly circulating heavy oil through a heater in a comparatively small stream and carrying a stream of vaporizing and agitating inert gas in contact and parallel with the oil while it is being heated. The system inherently embraces the circulation of vapors and oil through a cracking chamber in countercurrent paths, thus bringing the vapors and oil in constant contact with each other. In order to effectively promote this process, the inventor passes the raw oil through a series of surface condensers where it receives heat from oil vapors which flow through the condensers countercurrent to the flow of oil. The oil is thus preheated by the vapors to from 300° to 450° F. and from the last of the condensers flows into the upper portion of a cracking chamber. This cracking chamber is an elongated tower with a conical base for the reception and collection of liquids, and the incoming oil flows downward through this cracking tower over a series of shallow pans or baffles from top to bottom of the chamber. The specification states, in part:

"In the cracking chamber, the oil is formed into a series of bodies which are separated by trays or horizontal partitions."

As this oil passes downward, it meets a body of heated oil about one-third of the way downward through the cracking chamber. This heated oil enters through a pipe by means of a pump from a chamber or a separator, in which oil from the still is separated into oil and vapors. As the downflowing liquid proceeds in its course, near the bottom of the cracking chamber it meets an inflowing current of heated gases which comes from the same separator. These gases are at a cracking temperature and move upward through the cracking chamber, meeting the downflowing oil. The trays are so arranged with small openings that the gases, in ascending, will bubble through the oil passing thereover. The downflowing liquids are therefore commingled with gases and after this intermixture the liquids are drawn off at the bottom and again sent back through the still for reheating. The gases which escape in the cracking chamber ascend, pass through the surface condensers, and the condensate is removed from the system by proper apparatus. As to the rising gases in the cracking chamber, the specification states, in part:

"In this way, the gas and vapors entering through the pipe 48 pass upwardly through the bodies of oil on the trays to actively agitate the oils and to transfer to the oil any superheat which they may possess."

The disclosure of the junior party is, briefly, in part, as follows: The material to be treated, namely, heavy hydrocarbon oil, is caused to pass through a series of separate retorts. The raw oil is pumped into a furnace and through a series of small cracking tubes therein, from which it goes to a series of retorts, four being shown in the drawings. The oil is caused to pass through each retort before it enters the next in the series. As this oil, heated to cracking temperature, is discharged into the first retort, some separation of vapors and fluids results, and the vapors rise through the body of oil and leave the retort at the top, from thence entering a dephlegmator above the retort from which the condensate returns for recirculation and the uncondensed vapors pass by means of a pipe into the next retort in the series, from which pipe, by means

of perforations, it is discharged into the condensates therein. From the first retort a stream of oil passes into the next retort where it again is brought into contact with a large body of oil and gases, and again the preceding process is repeated. Oil is drawn from each of these retorts by a standpipe, the level of the outlet of the standpipe being higher in each succeeding retort, thus retaining the condensate at a somewhat higher level. The lower part of the vapor injector pipe in each retort is perforated, permitting the vapor to be diffused in small streams through the condensates. This process is repeated in each retort until the series is completed. The object of this process is to keep vapors constantly passing into and through large bodies of oil heated to cracking temperature, thus bringing in constant contact the oil and vapors, and to increase the quantity and quality of the residual distillate.

The first and most important question to be determined in this case is whether the first count of the interference will read on the disclosure as made by the respective parties and, as it seems to the court, the principal point involved here is as to whether the applications of the parties disclose this element, namely, continuously leading the vapors and the oil in separate streams from the chamber "*into a body of oil.*" [Italics ours.] Counsel for the junior party insist that the Doherty disclosure does not satisfy this requirement, while the disclosure of the Kirschbraun application does.

It seems quite apparent that the apparatus of the respective parties, while intended to produce the same result, does not operate in the same manner. The count says, "*a* body of oil," [italics ours] as we have already shown. Doherty's application states that the oil is formed into a series of bodies and the "bodies of oil on the trays."

We find ourselves in agreement with the contention that the Doherty application shows rather an upflowing stream of gas and heated oil in contact with a downflowing stream of inflowing oil rather than two currents, one of oil and one of gas, entering *a* body of oil. The amounts of oil and condensate borne upon the various trays of Doherty are "bodies", it is true, however small they may be, but it is more in keeping with the language of the count that the body of oil which is in mind in the formation of the count is one considerable body, such as is shown in the disclosure of Kirschbraun.

It will also be noted that count 1 calls for the maintenance of "a cracking temperature and pressure" during the process of intermingling of the vapor and body of the oil. It appears quite plainly that in the Doherty application and disclosure, this language is not satisfied. During at least one-third of the flow of the oil in the upper portion of the cracking chamber, the incoming oil is not at a cracking temperature, but it gradually increases in temperature as it proceeds downward, with a consequent evident variance in temperature and pressure.

It also appears that the heavy hydrocarbon oil mentioned in the beginning of the count is the oil before treatment. It will be observed that the count recites,

"heating a heavy hydrocarbon oil under pressure to a cracking temperature while it is being circulated in a stream, discharging the heated oil into an enlarged chamber * * * to separate vapors from the oil."

Consideration of the specification and drawings discloses that the heavy hydrocarbon oil in Doherty is not discharged into a chamber and into a cracking temperature. As a matter of fact, it is discharged into much less than a cracking temperature. The temperature only becomes a cracking one after a part of the journey of the oil through the cracking chamber is finished.

[1] We are compelled, therefore, to differ with the Patent Office tribunals as to count 1 of the interference. In the judgment of the court, this count does not read upon the Doherty disclosure and the interference should have been dissolved as to said count.

It is not contended here that Doherty cannot make counts 2 and 3, and Kirschbraun's motion to dissolve, as to them, was, therefore, properly overruled.

The party Doherty claims in his motion to dissolve that the party Kirschbraun is estopped to make the counts of the interference, because of the failure of his assignee to claim the same in interference No. 55,846. In view of our conclusions that the interference should be dissolved as to count 1, and in view of our conclusions as to priority as to counts 2 and 3, hereinafter stated, we deem it unnecessary to here further discuss Doherty's said motion to dissolve.

The remaining question which we find it necessary to determine is that of priority as to the subject matter of counts 2 and 3. Doherty is the senior party and the burden, therefore, rests upon Kirschbraun to overcome Doherty's priority by a preponderance of the evidence. This he attempted to do by his testimony that he conceived the invention in October, 1919, after witnessing a demonstration of a small plant erected by C. P. Dubbs, at Wilmette, Illinois. He testified that he disclosed his invention to Frank L. Belknap, a patent attorney of Chicago representing his assignee, while upon a train travelling east from Chicago, drawing a rough sketch at that time. This rough drawing, known as Kirschbraun's Exhibit No. 1, is in evidence. Mr. Belknap, who was deceased before the evidence was taken herein, examined the drawing and wrote thereon:

"Explained to me by L. Kirschbraun, December 1st, 1919, en route to Washington, D. C., on 'Broadway', as process and apparatus for treating hydrocarbons. F. L. Belknap."

It sufficiently appears from the record that the memorandum and the signature attached thereto is in the handwriting and the signature of F. L. Belknap. It also appears that one Thomas E. Schofield, a patent lawyer, was associated with Belknap at that time, and that a part of his duties included the preparation of patent applications for clients.

By stipulation of the parties, it is stated that if Schofield were present he would testify as follows:

That if Thomas E. Schofield were called as a witness in this interference he would testify that he began the preparation of the Kirschbraun application involved in this interference on or about February 3rd, 1920, and that he completed a draft of an application on or about February 6th, 1920, describing substantially the same subject matter as that of the application as filed and that the entries on the said record sheets hereto attached as exhibits A and B under the dates of February 3rd and February 5th, 1920, have reference to the preparation of the said application of the party Kirschbraun involved in this interference.

Also included in this stipulation are certain memoranda showing charges for work done on the Kirschbraun application by Belknap from February 3rd to 6th, 1920, and charges for the expenses of the train trip mentioned in the testimony of Kirschbraun, in December, 1919.

Exhibit 1 is a sheet of scratch pad paper with a rough pencil sketch thereon. It bears a general resemblance to the final sketch accompanying the application. A few of the parts are lettered, but much is left unexplained and it lacks a great deal of the precision required of a sketch from which construction could be made. The evidence which was offered as to the memorandum of Mr. Belknap seems to have justified its admission.

[2] We cannot escape the conviction that this evidence offered on behalf of Kirschbraun lacked the certainty necessary to overcome Doherty's filing date. We do not, however, approve the view that this evidence so offered on behalf of Kirschbraun is "of no weight in view of the failure to submit the said completed draft."

We have examined the record evidence offered on behalf of Doherty on the question of the priority of conception. Without going into detail, it appears quite plainly from the testimony of David G. Brandt, Robert G. Griswold, Frederick E. Alexander, and Edmund G. Borden, that sometime in the summer of 1919, the party Doherty was in possession of the invention, the subject matter of the issue here, as stated in counts 2 and 3; that full and complete plans of the same were made by the witnesses Brandt and Alexander, under the direction and with the approval of the party Doherty; that Mr. Borden, a patent attorney representing the party Doherty, was retained and employed at work on these plans and was in continuous consultation with the employees of the party Doherty during the summer of 1919, on the matters now involved herein. In fact, a consideration of the testimony in this record shows conclusively that the invention here involved was conceived and fully disclosed by the party Doherty and those under his immediate employ at least as early as the summer of 1919, many months before the conception of the party Kirschbraun, even if he be given the date when he claims to have disclosed the same to Mr. Belknap, on the train.

Kirschbraun does not attempt to prove a reduction to practice prior to his date of filing. It, therefore, appears that, as to counts 2 and 3, Doherty was the first to conceive and the first to reduce to practice, allowing to him only the date of filing as his date of reduction to practice. Doherty is, therefore, entitled to priority as to counts 2 and 3.

The decision of the Board of Appeals of the United States Patent Office is, therefore, modified, being affirmed as to counts 2 and 3 and reversed as to count 1.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE CROWELL AND SCHWARZ

No. 3,814. Decided June 7, 1937

[90 F.(2d) 125]

PATENTABILITY—LIQUID FUEL STOVES.

Claims for a liquid fuel stove *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. John Boyle, Jr., *Mr. F. M. Crawford*, and *Mr. S. W. Scott* for Crowell et al.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

The appellants have filed an application in the United States Patent Office for the issuance of a patent on certain claimed new and useful improvements in liquid fuel stoves. It is stated in the specification that the application is principally concerned with stoves which are designed to smokelessly burn liquid fuels, such as alcohol and the like, and that the alleged invention is a stove that is specially adapted for heating transportation or refrigerator cars, principally those used to transport fruit and foods which are easily injured by variations in temperature under transportation. The appellants' particular heater involves several elements, most of which are well defined by the rejected claims. Of these claim 30 is thought to be typical, and is as follows:

30. In an alcohol heater, the combination of a main fuel reservoir, a main heating burner and a pilot burner positioned below said main reservoir, an auxiliary reservoir positioned below said main reservoir and connected to the lower portion thereof by a liquid conduit, a float actuated valve positioned in said auxiliary reservoir and operatively connected to said conduit to maintain the liquid level in said auxiliary reservoir below the level of the burner tops, a liquid conduit connecting said auxiliary reservoir to the pilot burner, and a liquid conduit connecting said auxiliary reservoir to the main burner, a thermostatic valve in said last mentioned conduit and located between the float actuated valve and the main burner, the said float actuated valve providing a constant head of liquid to said thermostatic valve.

The claims remaining in the case at this time are claims 30 to 33, inclusive. These were all rejected by the Primary Examiner on the following references: Webster-Flockton, 11,730, October 10, 1844 (French); Sheer, 1,432,576, October 17, 1922; Sheer, 1,475,030, November 20, 1923; De Florez, 1,536,705, May 5, 1925; White et al., 1,891,855, December 20, 1932; Pickup, 1,900,520, March 7, 1933.

An affidavit having been filed under rule 75 of the Rules of Practice in the United States Patent Office, the patent to Pickup was withdrawn as a reference, and the claims were then rejected by both tribunals on the remaining references.

As to the patents to Sheer, 1,475,030, and to De Florez, the Solicitor for the Patent Office says:

The patents to Sheer, 1,475,030, and to De Florez, 1,536,705, were listed by the Examiner and the Board

of Appeals as being among the references relied upon but inasmuch as neither of these two patents seem to be specifically applied to any claim either by the Examiner or by the Board of Appeals further consideration of them here appears to be unnecessary.

Therefore, as stated by the Solicitor in his brief, there remain only three references relied upon, namely, the French patent to Webster-Flockton, the patent to Sheer, 1,432,576, and the patent to White et al. and two grounds of rejection. These two grounds are stated by him, as follows:

> * * * In brief these two grounds of rejection are that there is no invention in adding the thermostatic valve control to the structure of the references which disclose the float valve control, or on the other hand, that there is no invention over the references which does disclose the thermostatic valve control in the feature of providing a float controlled valve. In other words it was held that the prior art shows all the elements claimed and there is no invention, in view of the teachings of the art, to put these elements together in the form claimed by appellants. * * *

The application of the appellants discloses the heater to consist, as stated by the Examiner, of the following:

> The alleged invention resides in a liquid fuel feeding system for a combined main and pilot burner structure 36 employed in liquid fuel heaters and comprises a main fuel reservoir 11, an auxiliary, float controlled, constant level reservoir 8 intermediate the main reservoir and burner, an open top thermostatic valve 45 positioned intermediate the auxiliary reservoir and the main burner, and a connection 23a or 21a between said auxiliary reservoir and the pilot structure.

In other words, the heater has a central flue or chimney, at the bottom of which is a wickless burner. Above and at the sides of the heater is a tank with a principal fuel supply. Underneath one side of this principal tank is an auxiliary tank which feeds fuel to the burner in the center of the heater. The fuel supply is controlled between the auxiliary tank and the burner by a thermostat, activated by the surrounding outside temperature. Fuel is fed from the main reservoir to the auxiliary tank by means of a float type valve. If by any chance this float valve ceases to function, the fluid rising in the auxiliary tank will shut off the flow from the main fuel tank by closing the ingress of air into said main tank, in other words, by barometric pressure, until such time as further consumption of fuel permits further flow of fuel from the main to the auxiliary reservoir. A pilot light is provided which lights the one or more burners which are used, and this also obtains its fuel from the auxiliary tank.

As the court views the matter, the elements combined in this disclosure were all known to the prior art. The principal contention here is, was there invention in combining them as the appellants have done here? The tribunals of the Patent Office are of opinion that no such invention is shown.

The patent to White et al. discloses an automatic heater for water and other purposes. In this disclosure there is a principal fuel reservoir, with a smaller auxiliary fuel reservoir below the same and between the main reservoir and the heater. The patent recites that "a constant level of oil" or fuel is maintained between the principal and auxiliary reservoirs. This control is brought about by means of a thermostat of the ordinary bellows type, whereby the level of the oil in the burner is slightly varied by the thermostat as is necessary to regulate the size of the flame. This patent does not specifically refer to a float feed valve and the appellants insist that nothing of the kind may be inferred from this patent.

The French reference patent discloses a large capacity fuel reservoir and a supplemental supply reservoir, in which latter reservoir the fuel is held at a constant level by means of a float valve. The fuel which supplies the burner receives its supply from the supplemental reservoir. If the float valve ceases to work properly, the supply of fuel can be shut off by barometric pressure, and a supplemental chamber is also shown for additional safety provision for the same purpose. No thermostatic control is shown by this French patent.

The Board of Appeals was of the opinion that all the elements of the appellants' device were shown in the prior art, exemplified by the three reference patents. We have reached the same conclusion. It is evidently intended by the cited art to maintain a constant level in the supplementary tank. The references mention this feature, and while none of them shows a combination of the two elements as in appellants' disclosure, the characteristics of the thermostatic control and the float feed valve were well known to the art, and were fully explained in these patents severally. It does not appear that it would be invention to combine the valuable character of both features, as shown by these patents, into one apparatus. As a matter of fact, it would seem obvious to one skilled in the art to do so. The other features of appellants' device, such as a pilot burner, are shown by the reference patents.

We are unable to discover wherein any new and useful end is accomplished by the combination of the appellants, such as would make the combination patentable. The same objects are disclosed in the reference patents, and the adaptability of the various elements used are well known in the prior art.

Much the same principles were involved in *In re Cordes*, 22 C. C. P. A. (Patents) 1158, 76 F.(2d) 302. In that case, a combination was claimed, including a liquid supply tank connecting with a carbureting chamber, a means adapted to maintain a constant liquid level in said chamber, and other features. The prior art showed the various elements which were combined in the claims of this application, but which were separately shown, and not in combination, as in this application. The question before the court in that case was whether it would be obvious to combine these various elements, and, in discussing the combination, we said, in part:

> Both the patentee Bruce and appellant had the same objective, viz., the securing of a uniform gaseous mixture; both employed pressure regulators for this purpose, but appellant by the use of a constant level type of carbureter secures, no doubt, a more nearly uniform mixture than could be secured with the Bruce apparatus. The Examiner in his statement expressed the opinion that Bruce would produce a uniform mixture under all conditions, but that, assuming that appellant secures a somewhat better mixture, no new result was produced rendering his combination patentable. It is our view that no unexpected result is secured by appellant's combination and that one skilled in the art, with the Bruce, Garred, and Cornish patents before him, would realize that by substituting in the Bruce apparatus the constant level type of carbureter shown by Garred or Cornish for the carbureter shown by Bruce a more uniform mixture would be secured. Therefore the new combination did not require the exercise of the inventive faculty. If this substitution were made, the claims here involved would read upon the Bruce apparatus.

The decision of the Board of Appeals of the United States Patent Office is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MYERS *v.* ROETHEL

No. 3,815. Decided June 7, 1937

[90 F.(2d) 122]

INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* to establish that R. was the first to conceive the invention in issue and the first to reduce it to practice and that priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Daniel G. Culler for Myers.

Messrs. Dike, Calver & Gray, and *Mr. Elmer J. Gray* for Roethel.

GRAHAM, *P. J.*:

An interference was declared in the United States Patent Office between the application of John H. Roethel, appellee, which application was filed March 21, 1931, and embraced the subject matter of window control mechanism, and the application of Hubert A. Myers, involving the same subject matter, and which was filed January 29, 1931. This interference was twice re-declared, first to include the application of Burton S. Floraday, filed February 1, 1932, and second, the application of Stanley W. Nicholson, filed August 15, 1932.

As the interference comes to us, it has but one count which is as follows:

> 1. In a window regulating mechanism, the combination of a horizontally movable member adapted to be connected to a window, a support, a gear rotatable on said support and having a projecting arm pivoted to said member for moving the window vertically, and a second arm parallel to the first arm and pivoted to the support and member at vertically spaced points equidistant from the axis of rotation of said gear and the pivot of the first arm to said member.

The Examiner of Interferences awarded priority to John H. Roethel, the junior party, and this decision was affirmed by the Board of Appeals. The parties Floraday and Nicholson are not here involved. The party Myers only has appealed.

Both parties took testimony, and a voluminous record has been made bearing on the subjects of conception and reduction to practice. No other questions are presented except these.

The invention in issue is a window regulator, or glass lifter, substantially as set forth in the count. It will be observed that the count does not recite that the invention shall be confined to automobile windows, but might be applicable to any window. The underlying plan is the lifting of the glass in a window, particularly an automobile window, by two parallel metallic pivoted arms, each attached to a support and a lifting member in such a way that the glass window will be raised vertically and be retained horizontally while being raised, so that the window will not tip or jam while being raised or lowered. Each of the parties, particularly Roethel, had a clutch under consideration in connection with this device when the field was first entered, but such clutch does not enter into this controversy, and is not within the scope of the count of the interference.

There is also no controversy about the fact that the count of the interference reads upon both applications herein. The only controversy is about when the respective parties conceived the invention and reduced the same to practice.

John H. Roethel, the junior party, was a native of Austria and came to the United States in 1914, being now a citizen of the United States. Beginning in 1920, he ran an automobile repair garage in Brooklyn, N. Y. He remained in Brooklyn until 1930, when he removed to Detroit, Michigan, and thereafter worked for the Ferro Stamping & Manufacturing Corporation. While in Brooklyn he specialized in wrecked motor repair work, and began to work at window regulators in 1922. He states that he made a parallel arm regulator first in the fall of 1927 and again in 1928. He completed a parallel arm regulator and exhibited it to others in November, 1928. The regulator on that device was of the same construction as that now before us, but it had, in addition, a clutch by means of which the glass could be lowered without revolving the crank, and could be released and forced back upward by a spring.

During this work in Brooklyn in 1928, a model was made, in evidence here as Exhibit 1, which obviously satisfies the count of the interference. In it are two parallel arms, pivoted on the support at one end and pivoted on the glass supporting member at the other end

> "at vertically spaced points equidistant from the axis of rotation of said gear and the pivot of the first arm to said member."

This device was installed in a wooden form and fitted with a handle and operated by hand, repeatedly and with success. It was not installed in an automobile door.

Criticism is made of Roethel's corroborating testimony. It is said that this testimony was confused and contradictory and should not be given credence. There were seven of these witnesses. Some of them were foreign born and spoke English imperfectly. The cross-examination, also, was long and involved and repetitive. Roethel, for instance, was subjected to a cross-examination which covers 112 printed pages of the record. However, the very unlettered character of some of the witnesses, and the nature of the answers given in their involved cross-examination is convincing of the veracity of their statements. A significant fact is that Dr. W. J. Kriete, a man of learning, testified that he was so much convinced by the demonstration of the device by Roethel that he wanted to invest $25,000 in financing the new invention.

We are convinced that Roethel, in 1928, had conceived the invention here in issue, had constructed

a device embodying the same, and had subjected it to a shop test as heretofore stated.

The appellant insists vigorously that such shop test did not constitute a reduction to practice within the decisions of the courts, and cites *Payne* v. *Hurley*, 21 C. C. P. A. (Patents) 1144, 71 F.(2d) 208, 448 O. G. 3; *Jobski* v. *Johnson*, 47 App. D. C. 230, 247 O. G. 479; *Fageol* v. *Lyon*, 53 App. D. C. 361, 314 O. G. 178; *Urschel* v. *Crawford*, 22 C. C. P. A. (Patents) 727, 73 F.(2d) 510, 451 O. G. 238, and others.

As we view the matter, it will not be necessary to pass upon whether the reduction to practice of 1928 was sufficient.

When Roethel went to Detroit in September, 1930, he took his Exhibit 1 with him and soon thereafter showed it to Clarence C. Fairbank, sales manager of the Ferro Stamping & Manufacturing Corporation, who directed him to make another model. This was done and finished on October 9, 1930. This is in evidence, was stamped as of the date of completion, and embraces the subject matter of the count. A drawing of this regulator had previously, on September 29, 1930, been prepared, and it is in evidence. Two days after the completion of this regulator, known as Exhibit 2, it was put into a testing machine. The testing consisted of installing it in an automobile door, after which it was put into a machine, in which, by means of a rack and guide, the window was turned up and down "approximately about six thousand times." This testing was completed about October 15, 1930, and was satisfactory.

Roethel and his company then proceeded to attempt to work out a clutch for windows, and continued this until the application was filed on March 21, 1931.

As we view the matter, the test to which the Roethel device was subjected in 1930 was sufficient for a reduction to practice.

It is contended by the appellant that the tests made by the appellee of his Exhibit 2 were not a sufficient reduction to practice; that the devices must be tested in automobile doors, where they will be subjected to the bumps and roughness usually experienced by such vehicles. To support this theory, cases like *Payne* v. *Hurley*, supra, involving spark plugs, are cited. That case collates most of the recent cases on that subject. It seems to be the theory that the rule stated in the *Hurley* case, supra, is applicable to all automobile appliances or accessories. However, such is not the case, as appears from *Wilson et al.* v. *Sherts et al.*, 23 C. C. P. A. (Patents) 914, 81 F.(2d) 755, 467 O. G. 724, where laminated safety glass is involved; *Smith* v. *Place*, 23 C. C. P. A. (Patents) 1260, 84 F.(2d) 196, 472 O. G. 739, where trim panel was involved; *Creveling* v. *Jepson*, 44 App. D. C. 445, 226 O. G. 339, where electric distribution systems in car lighting systems, not necessarily automobile, were involved; *Schwalbenberg* v. *Dowell*, 54 App. D. C. 177, 322 O. G. 265, involving cooling systems for automobiles, and *Auflero* v. *Monnot*, 46 App. D. C. 297, 242 O. G. 750, where hand actuated alarm devices or mechanical horns were involved.

In the last case above cited, the count of the interference did not define the invention either as an automobile horn or as a device adapted for use on an automobile. The same is true in the case at bar. The count of the interference does not define the window regulator as one to be used on an automobile window, but upon any window where it might be used.

Therefore, whether Roethel be allowed a reduction to practice as of 1928, he is, at least, entitled to a reduction to practice of not later than October 15, 1930.

The party Myers, in his preliminary statement, contends that he is entitled to a date of reduction to practice as of November 15, 1930. Appellant filed a brief in the Patent Office which is here, by stipulation of the parties, as a physical exhibit. The Examiner of Interferences calls attention to the fact that counsel, in said brief, concedes that the regulator, known here as Exhibit G-6, was "constructed either during the latter part of November or during the month of December", which would follow Roethel's 1930 date of reduction to practice.

The party Myers filed a preliminary statement in which he states that he "conceived the invention set forth in the declaration of interference during the forepart of January, 1929." On May 10, 1934, he filed a motion to amend this preliminary statement. As to this motion to amend, the Examiner of Interferences says:

> Myers has moved to amend his preliminary statement to allege an earlier date of reduction to practice. This motion was filed after Roethel had taken testimony and could, therefore, be granted only on a most convincing showing. The reason given in support of the motion is that Myers did not realize how broad an interpretation might be given to the count until Roethel took his testimony. This is purely a mistake of law and it is well settled that such a mistake does not warrant the amendment of a preliminary statement (*Dalgren* v. *Crocker*, 98 O. G. 2586, 1902 C. D. 107; *Miller* v. *Wallace*, 131 O. G. 1089; *Foucler* v. *Boyce*, 108 O. G. 561). The motion must accordingly be denied. It further appears, as indicated above, that the device relied on as the basis for the amendment does not support the count. This fact affords a further ground for denial of the motion.

We are unable to see wherein any error was committed in the denial of said motion.

Myers first began to experiment with parallel arm window regulators in the latter part of 1928. In the latter part of July or first part of August, 1930, he first laid out on paper his idea for a two armed regulator. After this, several regulators were made up by him, or under his direction. These are in evidence and are known as G, G-1, G-2, G-3, G-4, and G-5. The model known as G-6 was the first one which conformed with the drawing in Myers' patent application here involved, and was made in the latter part of November or first part of December, 1930.

The appellant sought the benefit of the dates of his work on Exhibits G to G-5, inclusive, in his proof of conception and reduction to practice. We agree with the tribunals of the Patent Office that these exhibits do not satisfy the count of the interference, and that Exhibit G-6 is the first that embodies the issue here.

The distinctions between the Myers regulators G to G-5, inclusive, and the count of the issue, are well set out by the statement of the Board of Appeals, as follows:

> The type of device embodied in Myers' Exhibits G-G5 has two parallel arms, one of which is rigidly attached at its inner end to the gear sector and is pivotally connected at its outer end to the window supporting member and the other of which is a rack bar having teeth at each of its ends in engagement with pinions connected to the support on which the gear is mounted and to the horizontally movable window supporting member. Myers contends that as the arms are swung upwardly and downwardly by operating the gear sector the rack bar at each of its ends turns about the circumference of a pinion and since the latter is rigid with the support or the horizontally movable member as the case may be, there is pivotal connection between the rack bar and pinion. This contact between the rack bar and pinion is in the nature of a rolling contact, the point of turning constantly shifting about the circumference of the pinion instead of being an axis which is fixed with respect either to the pinion or the rack bar. We believe the language employed in the count is not fairly susceptible of such interpretation as to be readable on this type of device.

We agree with this statement.

Roethel, being the first to conceive and the first to reduce to practice, is entitled to priority.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FRENCH

No. 3,788. Decided May 3, 1937

[89 F.(2d) 662]

REISSUE—INADVERTENCE, ACCIDENT OR MISTAKE.

Certain claims *Held* properly rejected in a reissue application on the ground that it had not been established that it was due to inadvertence, accident or mistake that claims not containing a certain limitation were not presented in the original application.

APPEAL from the Patent Office. Affirmed.

Mr. George A. Smith for French.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

Certain claims of appellant's application for a reissue of his patent No. 1,944,158, of January 23, 1934, relating to method of producing zinc oxide, having been allowed, appellant has appealed to this court from a decision of the Board of Appeals of the United States Patent Office, affirming the action of the Primary Examiner in refusing to allow claims 2, and 6 to 10, inclusive.

Claims 2 and 6 are illustrative of the claims on appeal and follow:

> 2. The method of producing zinc oxide from by-product zinc residues containing an alkali metal salt and a substantial amount of zinc carbonate, which includes boiling the residues with water to render the alkali metal salt content soluble, washing to dissolve and practically completely remove the alkali metal salt content, and then calcining the residue.
>
> 6. The method of producing zinc oxide from by-product zinc residues comprising metallic zinc, zinc carbonate, zinc sulphite, and an alkali metal salt, which includes suspending the residue in water, aerating to effect oxidation of metallic zinc, treating with water to dissolve the alkali metal salt, removing the alkali metal salt in solution, calcining the residue under oxidizing conditions to convert the zinc carbonate into zinc oxide and to oxidize zinc sulphite to zinc sulphate, washing out the zinc sulphate and grinding the zinc oxide.

The alleged invention relates to a process of producing a high grade pigment from zinc residues. The Examiner in his statement sets forth certain "Requisites of the Invention" as follows:

> To obtain "a high grade zinc oxide," the invention proposes: (1) to oxidize the metallic Zn content of the residue to ZnO; this is attained by suspending the by-product Zn residue in water, forming a *pulp* and aerating this pulp.
>
> (2) to "*render* the alkali metal salts • • • soluble" and remove these soluble salts, leaving a residue containing ZnO, $ZnSO_3$, and $ZnCO_3$; this is accomplished by boiling the water containing the suspended residue or pulp of (1), for 30 minutes or longer. The salt solution is then removed from the residue.
>
> (3) to calcine this residue in order to convert the $ZnCO_3$ to ZnO and the $ZnSO_3$ to $ZnSO_4$; this calcination is performed in the presence of air in order to assure formation of $ZnSO_4$.
>
> (4) to remove $ZnSO_4$ from the ZnO by washing with H_2O; and grinding and drying the ZnO product.

The Examiner in rejecting claims 2, 7, 8, and 10 held that they were incomplete because they did not embody all of the essential details necessary to produce the requisite result. The Examiner also rejected claims 6 to 10, inclusive, on the ground that there was no inadvertence, accident or mistake shown in failing to obtain such claims in the original patent.

As to the first ground of objection, the Examiner said:

> It is submitted that to obtain the desired high grade ZnO it is essential to satisfy *in combination* the requisites of (1), (2), and (3), specified above. As has been pointed out in the record of the parent application, the individual steps are devoid of novelty. • • •
>
> The general tenor of the disclosure and arguments of record in the parent application appear to concede that the invention resides in the combination of steps whereby a *high grade* ZnO will be produced as distinguished from the previously made low grade product. • • • • • • • • • • • •
>
> Claims 2, 7, 8, and 10 are accordingly incomplete and unpatentable, since they do not embody all of the essential details necessary to yield the *high grade* ZnO when by-product zinc residues of the type disclosed are treated, or since they combine steps individually involving no invention in a process which gives no improved result.

The Examiner points out in detail wherein the several claims lack the steps which he considers requisite.

As to this feature of the case, the Board said:

> Claims 2, 7, 8, and 10 have also been rejected as being incomplete because claims 2 and 7 omit step (3) and claims 2, 7, 8, and 10 omit step (1).
>
> Applicant argues that there may be such a small amount of metallic zinc and $ZnCO_3$ present that it is not necessary to oxidize them. There is nothing in the patent to indicate this and we believe that all of the steps are essential in order to obtain the high grade pigment desired, as distinguished from pigments obtained in prior art processes.

As to the second ground of rejection the Examiner stated:

> Claims 6 to 10 have been presented for the purpose of obviating this "undue limitation" [heating or boiling]. Failure to earlier present claims of the scope of 6 to 10 is attributed to "inadvertence, accident or mistake" on the part of the applicant, it being alleged that he failed to inform his attorneys "that the method in accordance with his invention might be practiced without heating or boiling the water used to treat the residues to remove alkali metal salt." (From oath.)
>
> A study of the specification of the *parent* application on the question of the removal of the alkali metal salts from the zinc residues leads to the conclusion that the disclosure is limited to the boiling treatment. The prior art found it necessary to calcine the residues "in order to render the alkali metal salt content soluble". The calcination also served to oxidize any metallic zinc particles present. (Parent application #504,421, page 1, lines 17–20.) Applicant teaches that he can effect the oxidation of metallic zinc in suspension in water by blowing with air, but the *rendering* of the alkali metal salt content soluble is effected by boiling (Appl. #504,421, page 1, line 29; page 2, lines 16–20). No other manner is suggested or can be inferred from the specification.
>
> It is submitted that the *reissue* application unwarrantedly alters the tenor of the original disclosure in the amendatory matter supplied to page 2, lines 24–27. This variation has the effect of minimizing the thought

of the original disclosure,—that the boiling step is a requisite,—to the *inference* that the boiling is optional; however page 1, lines 24–26 and page 2, lines 4–6 of the reissue still contain the definite indication that it is essential to *render* soluble the alkali metal salts of the by-product Zn residue. Furthermore the reissue oath is clearly inconsistent with the *original* disclosure in its indication that "boiling or heating is desirable but not essential". The tenor of the specification as originally presented clearly indicates that boiling is essential.

• • • • • • • • •

• • • the presence in amended original claim 1 [which was cancelled] of the expression now introduced into claims 7 to 10 indicates that the broad concept of rendering the alkali metal salts soluble was duly considered by applicant and deliberately cancelled. Under such conditions, there could have been no inadvertence, accident or mistake. • • •

In his brief appellant points out that

"through an error in making up the record, the claim designated '1' on page 37 of the record is misquoted."

The Solicitor for the Patent Office in his brief states:

It is noted that the record in this case does not include *original* claim 1 of application Serial No. 504,421 which is referred to by the Examiner and the decision of the Board of Appeals and which these tribunals said was cancelled after it had been amended.

The failure to include in the record the original claim 1 which was cancelled after amendment apparently must be taken as indicating that appellant does not wish to controvert any of the statements made by the Examiner or the Board of Appeals as to what subject-matter was included in the cancelled claim.

Since appellant has not seen fit to have incorporated into the instant record the said claim 1, we must assume that the tribunals below correctly found that the cancelled claim contained the elements which the tribunals said it did. Upon this state of the record, we must conclude that the Board's rejection of claims 7 to 10 upon the ground of no inadvertence was correct.

This leaves for consideration the rejection by the tribunals of claims 2 and 6. As before stated, claim 2 along with other claims was rejected upon the ground that it did not embody all the essential details necessary to produce the requisite results. These claims involve technical, scientific subject matter. There is a concurrence of views of the Patent Office tribunals on this subject and we are not convinced that the Board's decision is erroneous.

As to claim 6, it will be noted in the above quotation from the Examiner's statement that since the "boiling" limitation in the patent claims, which applicant seeks to obviate by reissue, was a requisite and important part of appellant's invention as disclosed in his parent application, his failure to present broader claims was not inadvertent. (The same holding also relates to claims 7 to 10, inclusive.) After considering appellant's parent application carefully we, like the tribunals below, can arrive at no other conclusion than that the failure to make broader claims in the parent application was not the result of inadvertence, and we are of the opinion that the rejection by the Examiner and by the Board of said claim 6 for the reasons stated by them was proper.

Appellant claims his alleged inadvertence occurred by reason of the fact that he failed to notify his patent attorney that the boiling step was unimportant and that the invention might be practiced without heating or boiling the water. From a statement by the Examiner it appears that this must have been stated in some oath not found in the record. It is not a question here of a limitation being in a claim only, but the parent application stated that:

When the metallic zinc content has been oxidized the suspended residue is heated to boiling and boiled for a period to render the alkali metal salts, as sodium carbonate, sodium sulphite, etc. soluble in water. Boiling may be continued for say up to thirty minutes or longer, if necessary.

We are in agreement with the conclusion reached by the Board of Appeals and its decision is affirmed.

Affirmed.

HATFIELD, *J.*, did not participate in this decision.

ON REHEARING

Decided June 7, 1937

[90 F.(2d) 113]

BLAND, *J.:*

This case was argued in this court on March 10, 1937, and an opinion was handed down on May 3, 1937. On May 19, 1937, appellant filed a petition for rehearing and also filed with the clerk of the court a stipulation, not dated, between the counsel for appellant and the counsel for the Commissioner of Patents. Said stipulation is to the effect that amended claim 1 of appellant's original application for Patent No. 1,944,158, to which reference was made in appellant's original brief and in the decision of this court was the same claim as was printed in appellant's brief, which claim reads as follows:

1. The method of producing zinc oxide from by-product zinc residues containing an alkali metal salt and a substantial amount of zinc carbonate, which includes *treating the residue with water to dissolve the alkali metal salt content*, removing the alkali metal salt solution and then calcining the residue. [Italics ours.]

The stipulation recites that it is a reiteration of an oral stipulation to the same effect made at the hearing here on appeal. There being no written stipulation on file and the claim not appearing in the record, this court, without having in mind the oral stipulation, concluded that it must assume that the tribunals below correctly found that the cancelled claim contained the elements which the tribunals said it did and upon that assumption the court affirmed the decision of the tribunals without further reference to the claim.

There is a well-established practice in this court for obtaining from the Patent Office omitted subject matter necessary and proper to be in records upon appeal. In some instances written stipulations entered into between the parties and filed with the court have been regarded as sufficient to supply the needs. The situation now at bar illustrates the inadvisability of accepting oral stipulations between counsel. If a stipulation was to be entered into and filed subsequent to the oral stipulation it was the clear duty of counsel to see that it was promptly filed. The practice of suggesting or relying upon such oral stipulations as is here involved is not one to be commended.

However, under the particular circumstances of this case, we feel that appellant is entitled to a consideration of his reason of appeal upon which is based his contention that the tribunals of the Patent Office erroneously rejected some of appellant's appealed claims upon the ground of no inadvertence, accident or mistake necessary to support their allowance in a reissue application. We, therefore, grant appellant's petition for rehearing, but find it unnecessary to have argument or additional briefs.

The ground of rejection of the Examiner and the Board which involves a consideration of said cancelled, amended claim 1 is that since the appealed claims contain the limitation relating to *treating the residue with water to render the alkali metal salt soluble*, and since appellant in the prosecution of his original patent cancelled certain claims which included cancelled, amended claim 1, and which latter claim recited: "treating the residue with water to dissolve the alkali metal salt content" there was no inadvertence shown. Appellant by his reissue application seeks broader claims than those of his patent. In the appealed claims now under consideration the boiling and heating step which was in the patent claims is omitted and there is inserted instead thereof the said step of treating with water. Appellant was privileged to stand upon his rights in the original application and appeal, if necessary. He elected to cancel the claims. On the ground of inadvertence he cannot now claim the same invention, in a reissue application.

We think that cancelled, amended claim 1 is for the same invention as is defined by appealed claims 6 to 10, inclusive, and that under the circumstances there was no inadvertence shown by appellant such as is required by the statute and that the Board reached the right conclusion.

Since the other questions raised in appellant's appeal have been fully decided and discussed in the original opinion of May 3rd, and since our views as to them have not changed, we will not again repeat that discussion here. Nothing else in appellant's petition for rehearing nor in his original brief calls for further consideration by us here.

In view of our conclusion in the matter raised in the petition for rehearing with respect to said cancelled, amended claim 1, as well as on the other questions raised, we are of the opinion that the Board of Appeals, for the reasons stated in the decision appealed from, properly affirmed the decision of the Examiner rejecting appellant's appealed claims, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HULL *v.* DAVENPORT

No. 3,806. Decided May 29, 1937

[90 F.(2d) 103]

1. INTERFERENCE—PRIORITY—DILIGENCE.

A party to an interference who was the first to conceive the invention but the last to reduce it to practice does not have to establish, in order to prevail, that he was diligent from the time of his conception to his reduction to practice, but only from a time immediately prior to the entry of the other party into the field.

2. SAME—SAME—SAME.

"It is also well settled that the first conceiver cannot account for his failure to reduce his invention to practice for an unreasonable time after his conception by showing that he merely turned the matter over to his attorney if in fact the attorney in preparing the application and getting it into the Patent Office showed inexcusable lack of diligence."

3. SAME—SAME—SAME.

Where H., whose application was filed January 31, 1931, only established that he had submitted his disclosure to the attorneys for his employer on or about June 3, 1930 and that a large number of such records were submitted to these attorneys during that year and at the end of the year they had some 400 cases awaiting action by them *Held* that such evidence is insufficient to show that H. was exercising due diligence in constructively reducing the invention to practice from a time just prior to December 30, 1930, when D's. application was filed and priority was properly awarded to D.

APPEAL from the Patent Office. Affirmed.

Mr. Robert R. Candor for Hull.

Mr. Raymond G. Mullee for Davenport.

BLAND, *J.:*

This is an appeal by the party Hull from a decision of the Board of Appeals of the United States Patent Office, in which priority of invention relating to refrigerating apparatus was awarded to the party Davenport. The Board reversed the decision of the Examiner of Interferences which had awarded priority in the invention of the count to the junior party Hull.

Hull was the first to conceive and the last to reduce to practice. He was awarded a date of conception of June 3, 1930, and he filed his application January 31, 1931. The party Davenport filed his application December 30, 1930, and this date is his only date for conception and reduction to practice. Neither party actually reduced the invention to practice and both rely upon a constructive reduction to practice which consists of the filing of their respective applications.

The question of diligence of the party Hull was the only question considered by the Board and is the only question presented here.

Hull took testimony. Davenport took none. Such portions of the testimony as the parties regarded as of importance appear in the record by way of stipulation. Hull was employed in the Frigidaire department of the General Motors Corporation and the stipulated testimony shows that the patent department of this firm prepared and delivered to a certain law firm a great number of invention files and that each file included all necessary papers and sketches relating to a separate invention; that with respect to these files the records showed that during the year 1930 the lowest number of cases of this company in the hands of said attorneys was 311 at the first part of the year and that at the end of the year there were 406 inventions then awaiting action. The instant application contained two pages of drawings and eleven pages of printed specification which included six claims. On June 3, 1930, or within a week thereafter, Hull, through a patent contact man, delivered to the said

firm of attorneys the papers, sketches, etc., which were necessary for the preparation of the application for a patent on the invention here in controversy. There is nothing else shown in the record which throws any light as to what, if anything, was done with respect to the invention during the entire period of about eight months.

On the question of Hull's diligence, the Examiner of Interferences stated:

> The party Hull then has the burden of showing reasonable diligence from just before December 30, 1930, to January 31, 1931, when he filed his application. Since this involves a period of *only five weeks*, a period not in excess of a reasonable time in which to prepare an application taking into account press of immediate business and activity attendant upon the preparation itself, lack of reasonable diligence will not be imputed to Hull. [Italics ours.]

Upon appeal, the Board of Appeals, with reference to the subject of diligence, said in part:

> It is unnecessary to enter into a discussion of the subject matter involved as the only question requiring consideration is that of diligence. The party Hull has been awarded June 3, 1930, as a date of conception, at about the time his invention was placed in the hands of his attorney for preparing and filing an application. That application was filed January 31, 1931. The party Davenport filed December 30, 1930. The party Hull's explanation for the delay in filing over a period of *about eight months* is in effect that the attorneys were preparing many applications. [Italics ours.]
>
> It is our judgement that substantially eight months is entirely too long a period to be accepted as a reasonable time within which to file an application in the absence of a showing of special circumstances.

It will be noticed that the Examiner of Interferences took the position that "only five weeks" is the period of time in which appellant is required to show diligence, while the Board took the position that Hull's attorneys had delayed filing his application for a period of about eight months after the invention had been conceived and had offered no explanation of the cause of the delay.

Many cases have been cited and discussed. None of them is precisely in point. The facts with respect to diligence in each case differs from those of every other case and necessarily the question must always be decided in the light of the particular facts in the individual case.

In Patent Office practice the rule with respect to diligence is an old one and one which we think is well settled and generally understood by those familiar with patent law. In the Patent Act of 1836, 5 Stat. 117, provision was made for certain defenses to be set up in actions for patent infringement. Among the defenses which might be pleaded was

> "that he [the patentee] had surreptitiously or unjustly obtained the patent for that which was in fact invented or discovered by another, who *was using reasonable diligence* in adapting and perfecting the same." [Italics ours.] (Sec. 15).

This was, in substantially the same language, reenacted into the Patent Act of 1870, 16 Stat. 198, Sec. 61, which became section 4920 of the Revised Statutes. Soon after the passage of the act of 1836, the courts were called upon in infringement suits to determine who were the first inventors of the inventions there involved. We find in the decisions from that time to this day much discussion of the question, and while courts have used different language in stating the rule, there has been but little change in the rule as originally announced.

Clearly it was the intent of Congress to assure the first inventor who had completed the mental act of invention that he should not be deprived of his reward by reason of delays which he could not reasonably avoid in giving his invention to the public. But we must bear in mind that it was not alone to reward the inventor that the patent monopoly was granted. The public was to get its reward and have the advantage of the inventor's discovery as early as was reasonably possible. See Robinson on Patents, Sec. 385. It will be noticed that the act of 1836 which is the genesis of the rule of diligence as applied in Patent Office practice, said: "who was using reasonable diligence in adapting and perfecting the same." As applied by the Patent Office and the courts in most instances, the rule has finally crystallized to be that the first conceiver who is last to reduce to practice must couple his conception to his reduction to practice with reasonable diligence. In some cases it is stated that he must so act as to make his conception of the invention and the perfecting it a single inventive act. The weight of authority, however, regards his diligence sufficiently shown if it be found that he was diligent from a time just prior to the second conceiver's entrance into the field to the first conceiver's reduction to practice either actually or constructively. *Christie* v. *Seybold*, 55 Fed. 69; *Woods* v. *Poor*, 29 App. D. C. 397, 130 O. G. 1313; *Grundy* v. *Van Leir*, 22 C. C. P. A. (Patents) 1034, 75 F.(2d) 503, 457 O. G. 701; *Wilson et al.* v. *Sherts et al.*, 23 C. C. P. A. (Patents), 914, 81 F.(2d) 755, 467 O. G. 724.

[1] His lack of diligence from the time of conception to the time immediately preceding the conception date of the second conceiver is not regarded as of importance except as it may have a bearing upon his subsequent acts, for the reason that he has not forfeited his right to a patent by his delay when no adverse interests are involved, and it follows that his adversary should only be concerned with what happened immediately prior to and after his entry into the field. Evidence of diligence during the critical period may be shown either by affirmative acts or acceptable excuses or reasons for failure of action. See *Christensen* v. *Ellis*, 17 App. D. C. 498, 94 O. G. 2561.

[2] It is also well settled that the first conceiver cannot account for his failure to reduce his invention to practice for an unreasonable time after his conception by showing that he merely turned the matter over to his attorney if in fact the attorney in preparing the application and getting it into the Patent Office showed inexcusable lack of diligence. *Briggs* v. *Lillie et al.*, 1905 C. D. 168. Of course, in determining the diligence or the lack of diligence on the part of the attorney, considerations are involved unlike those in many respects which appertain to the inventor. Courts have been liberal in their holdings with respect to the length of time a busy patent attorney may take in the preparation and filing of patent applications. *Farmer et al.* v. *Schweyer*, 21 C. C. P. A. (Patents) 865, 68 F.(2d) 961, 444 O. G. 257. In one case, *Courson* v. *O'Connor et al.*, 227 Fed. 890, it was held that lack of diligence will not be imputed to the attorney unless the same amounts to negligence, but the weight of authority hardly goes this far. It requires that he must show reasonable diligence (see *Briggs* v. *Lillie et al.*, supra, and *Martus et al.* v. *Heise*, 17 C. C. P. A. (Patents) 1083, 39 F.(2d) 715, 400 O. G. 7) and that his lack of diligence must be charged against his client.

Now, measuring the facts at hand by the principles above announced, we, after most careful consideration, have arrived at the conclusion that the appellant here has not shown such reasonable diligence as the law requires and that the decision of the Board in denying the appellant priority of invention in the count at issue on account of his lack of diligence was not erroneous.

The Examiner of Interferences apparently took the position (although this is not the position taken by appellant's counsel in oral argument in this court) that all appellant had to do was to account for five weeks of time and that he had done so by showing that during that period of time the application was in the hands of the attorneys who prepared and filed the same. It is true that the critical period in the instant case in one sense is less than five weeks time, but the rule contemplates that there must be diligence at the time or just before the second conceiver enters the field and that from this time continuing diligence must be shown or lack of it satisfactorily explained. The burden was upon the appellant to affirmatively show reasonable diligence. The only act of diligence shown by appellant or his attorneys during the entire seven months period preceding the beginning of the alleged critical date was appellant's submission to his attorneys of his invention for the preparation of an application on June 3, 1930, or as the record shows, within a week thereafter.

[3] There is, therefore, no showing that appellant was diligently engaged in trying to perfect his invention at the time or just before the time when the appellee entered the field. We cannot presume under the facts in this case that appellant's attorneys were diligent at the time appellee entered the field nor are there any facts proven from which we may conclude that they were diligent at *any* particular time during the entire eight months period. Of course, they were using diligence when they were engaged in preparing the application, but when the preparation of it began has not been shown. It is not shown that the several hundred cases in the attorneys' hands were taken up in their regular order or that appellant's case was not put to one side and others preferred over it.

We are of the opinion, therefore, that it cannot be logically concluded that the appellant has shown such diligence as the law requires, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MACLEAN AND NIESEMANN

No. 3,799. Decided May 29, 1937

[90 F.(2d) 108]

PATENTABILITY—VOLUMETRIC GAS METER.

Certain claims for a volumetric gas meter *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Strauch & Hoffman, Mr. William A. Strauch, Mr. James A. Hoffman, Mr. Rex P. Mulligan, and *Mr. Lewis D. Konigsford* for MacLean and Niesemann.

BLAND, *J.*:

A number of claims in appellants' application for a patent relating to a pressure compensating gas meter were allowed by the Primary Examiner of the United States Patent Office. Claims 44, 46, and 60 were rejected for reasons to be hereinafter stated, and upon appeal to the Board of Appeals the Examiner's rejection of the involved claims was affirmed for substantially the same reasons as those given by the Examiner. Appellants have appealed here from the decision of the Board.

Claim 60 is illustrative of the three claims on appeal and follows:

> 60. A volumetric gas meter comprising an index, and means to drive said index to indicate the volume flow of gas through the meter; a second index; driving means for said second index including a frictional one-way clutch operatively connected to said first index and a cam mechanism; pressure responsive means connected for response to the supply pressure to said meter to control said cam mechanism to drive said second index through said clutch at a rate varied in accordance with variations in the supply pressure to correct the indication of said second index to a predetermined lower base pressure.

The alleged invention involved here is a gas meter which not only measures the volume of gas regardless of its pressure, but in addition, by proper cooperative means, mechanically computes the volume of gas measured by the meter in terms of cubic feet delivered at the specified base pressure. For this purpose appellants employ an uncorrected volume counter which operates from the positive displacement meter and indicates the volume of gas without correcting for its pressure, and a corrected volume counter which is driven from the uncorrected volume counter by driving mechanism in which the driving ratio changes in accordance with the pressure of the gas. Since gas is compressible, a much greater quantity of gas by weight passes through the meter when the line pressure is increased and it is important to industrial users who desire certain heating values to not only get a certain volume of gas but also a definite number of heating units. The well-known bellows type of gas meter which measured only volume had long been used. Certain other devices which attempted to take pressure into consideration in connection with the metering of gas were also used. It is shown that the use of the latter was unsatisfactory inasmuch as it was not possible to make the required compensatory computation with any degree of accuracy. It is stated by applicant that a 2 per centum tolerance in accuracy was acceptable but that until appellants' device was invented, no

meter would measure within that degree of accuracy.

During the prosecution of the application in the Patent Office many different references were cited, but as affects the claims involved here but two references are relied upon: Rudolph et al., 1,426,109, August 15, 1922; Diehl, 1,923,356, August 22, 1933.

Diehl, the main reference, is for a meter of the general type of appellants which accomplishes the same result as that of appellants in substantially the same way, that is to say, it will indicate a quantity as determined both by the volume of the gas and its pressure. Diehl's meter, as far as is of importance here, differs from applicants' device only in that in the driving mechanism of Diehl there is a pawl and ratchet connection of the usual type which permits motion of a measuring arm in only one direction.

Appellants have in their device substituted for said pawl and ratchet a frictional one-way ball clutch. Appellants thus describe this type of clutch in an amendment made to the specification during the prosecution of this application in the Patent Office:

> • • • Various forms of one-way clutches have been the subject matter of separate patents and are well known in the art, and the ball type clutch that is found in this case is specifically well known, one example being the well known "free-wheeling" devices on automobiles today, wherein rotation of a driving member in one direction forces the driven member to rotate therewith, whereas if the driving member is rotating in reverse direction, the balls do not engage their run-way and the parts slip.

It is conceded that the pawl and ratchet is intended to accomplish, and less efficiently does accomplish, the same purpose as appellants' frictional one-way ball clutch.

The Rudolph et al. reference was relied upon only to show that appellants' particular type of clutch was not new but was well known and its use was well understood by any mechanic who sought to make a connection of the character required here. Since it is conceded that this type of clutch is old, it will not be necessary to further discuss the details of the Rudolph et al. reference.

The three claims involved depend for their patentability upon the inclusion therein of language describing the frictional one-way ball clutch in combination with the other elements of the device. The claims at bar are much broader than the allowed claims, the allowed claims being drawn to cover specific structural limitations not found in the prior art.

The Examiner, in rejecting the claims, took the position that it did not involve invention to substitute the one-way ball clutch for the pawl and ratchet device of Diehl; that a mechanic skilled in the art would understand the inaccuracies which would arise, at least in part, from the pawl and ratchet device, and substitute a more suitable device which would eliminate or reduce the inaccuracies.

The Board of Appeals was of the same opinion. The gist of the Board's opinion is contained in the following language:

> We have given careful consideration to applicants' showing and contentions but are unable to agree that this situation presents a matter constituting invention. It is our opinion that it falls very clearly under the rule of law that the broad substitution of a- element of a combination by an equivalent known element where no new or unobvious result is produced does not constitute invention. While we can see and appreciate that the friction drive clutch in this relation prevents lost motion and consequently greater accuracy we still believe that if it was found that where such inaccuracy was such as to be material that it would be apparent to one skilled in the art to substitute some drive which is not inherently defective in this relation.

In this court, appellants argue at great length that part of their invention was to discover the cause of the inaccuracy of the old device. They call attention to the fact that the teeth or gear notches of the ratchet in the Diehl device necessarily would produce inaccuracies; that such a device cannot transmit a variable one-way motion without error whereas a one-way ball clutch transmits in one direction faithfully and accurately all motion imparted to it. Appellants argue that it is not practicable to lessen the size of the teeth of the ratchet in the Diehl device in order to lessen the degree of inaccuracy, since to do so would be to weaken the device and shorten its life.

It is conceded in this case that appellants have produced a compensating gas meter which is exceptionally accurate—much more accurate than any prior metering device of this character. Much of the improvement in accuracy is, evidently, largely due to the substitution of the one-way clutch for the pawl and ratchet device. It is argued by the Solicitor for the Patent Office that the improvement of appellants over the Diehl device is not a new result but is only a change in degree and not one of kind and that getting a better result by using the same device or equivalents does not necessarily imply invention. The Solicitor has cited as supporting authority for his contentions the cases of *Pickering et al.* v. *McCullough et al.*, 104 U. S. 310, 21 O. G. 73; *In re Cross*, 19 C. C. P. A. (Patents) 788, 53 F.(2d) 902, 416 O. G. 803; *Robbins* v. *Steinbart*, 19 C. C. P. A. (Patents) 1069, 57 F.(2d) 378, 421 O. G. 229; *In re Barsky*, 20 C. C. P. A. (Patents) 779, 62 F.(2d) 192, 428 O. G. 518; and *In re Williams*, 17 C. C. P. A. (Patents) 718, 36 F.(2d) 436, 392 O. G. 737.

While neither the "Examiner's Statement" nor the Board's decision definitely refers to the question of degree, the Examiner in rejecting one of the claims at bar originally stated that as far as the particular combination involved in the claim was concerned, the two clutches (Diehl's and the applicants') were equivalents and that the difference in the results of the two clutches was only a matter of degree.

Both the Examiner and the Board also commented upon the fact that when applicants filed their application they did not regard the frictional one-way ball clutch as of controlling importance. The claims as originally filed called for a "one-way ratchet mechanism" which was broad enough to cover the ratchet mechanism of Diehl.

We are of the opinion that the rejected claims do not define invention over the prior art cited, and that the Board properly affirmed the decision of the Examiner in rejecting the appealed claims. The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

GENERAL MILLS, INC., *v.* FREED

No. 3,754. Decided May 3, 1937

[89 F.(2d) 664]

TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES. Dextrinized and gelatinized starches for retaining moisture in bakery products are not goods of the same descriptive properties as stock and poultry foods.

APPEAL from the Patent Office. Affirmed.

Messrs. Paul, Paul & Moore, Mr. A. C. Paul, Mr. Oscar W. Giese, and *Mr. Edmund H. Parry* for General Mills, Inc.

Mr. Myron B. Stevens for Freed.

HATFIELD, *J.:*

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences dismissing the notice of opposition of appellant and holding that appellee was entitled to the registration of the trade-mark "Sure-Dou", for use on "dextrinized and gelatinized starches for retaining moisture in all bakery products."

In his application appellee stated that he had used his trade-mark on his goods in interstate commerce since May 16, 1933.

In its notice of opposition appellant alleged that it is the owner of flour and cereal mills, and elevator properties located in various places throughout the United States; that it is the owner of the entire capital stock of various subsidiary corporations in the United States; that it is the owner of several trade-marks used on the products manufactured in its mills, and sold in interstate and foreign commerce by and through its subsidiary corporations; that, long prior to appellee's alleged date of adoption and use of his mark, appellant and its predecessor—Sperry Flour Company, now a subsidiary corporation—adopted and used a number of trade-marks on poultry and stock foods, each of which consists of the prefix "Sure" followed by suffixes suggestive of the goods to which the marks were applied; that each of those marks was registered in the United States Patent Office under the Trade-Mark Act of February 20, 1905—registration No. 217,026, issued August 24, 1926, on an application filed April 13, 1926, for the trade-mark "Surefat" for use on poultry food; registration No. 128,524, issued January 6, 1920, on an application filed June 16, 1919, for the trade-mark "Suregrow" for use on poultry food; registration No. 128,523, issued January 6, 1920, on an application filed June 16, 1919, for the trade-mark "Surelay" for use on poultry food; registration No. 181,550, issued March 25, 1924, on an application filed October 23, 1923, for the trade-mark "Surelive" for use on baby chick food; registration No. 128,522, issued January 6, 1920, on an application filed June 16, 1919, for the trade-mark "Suremilk" for use on stock food; registration No. 153,622, issued March 21, 1922, on an application filed May 25, 1921, for the trade-mark "Surepork" for use on stock food; registration No. 275,841, issued September 30, 1930, on an application filed May 31, 1930, for the trade-mark "Sureturk" for use on poultry food; registration No. 275,839, issued September 30, 1930, on an application filed May 31, 1930, for the trade-mark "Suregobble" for use on poultry food; registration No. 275,833, issued September 30, 1930, on an application filed May 31, 1930, for the trade-mark "Surepoult" for use on poultry food; registration No. 302,765, issued April 25, 1933, on an application filed December 19, 1932, for the trade-mark "Surecalf" for use on stock food; that appellant and the Sperry Flour Company have expended large sums of money in advertising appellant's trade-marks, and have built up an extensive business in interstate commerce; that the public associates appellant's marks with its goods; that the goods on which appellee uses his trade-mark are of the same descriptive properties as those on which appellant uses its trade-marks; that the trade-mark of appellee so closely resembles the several trade-marks of appellant that if used on his goods, confusion in trade would result, and the public would be deceived into believing that appellee's goods originated with appellant; and that appellant would be damaged by the registration of appellee's trade-mark.

Appellee filed a motion to dismiss the notice of opposition, alleging that the goods of the parties were not of the same descriptive properties, and that the marks were not confusingly similar.

The motion was denied by the Examiner of Interferences.

Thereupon, appellee filed an answer to the notice of opposition, and

> "particularly to the question of confusion in trade, which the opposer alleges, might arise in the event of registration of applicant's mark."

Appellee further alleged in his answer that the goods on which he used his trade-mark "Sure-Dou" were not goods of the same descriptive properties as the goods on which appellant used its trade-mark, to wit, poultry and stock foods; that appellee's dextrinized and gelatinized starches are used by bakers for retaining moisture in all bakery products; that, whereas appellant's goods are usually distributed through wholesale and retail grocers, feed stores, and the like, appellee's goods are sold directly to bakers, and not through wholesale and retail grocers, and other concerns handling products for human consumption; that those engaged in making bakery products would not believe that appellee's product originated with appellant; and that appellee's use of his mark on treated starches would not be likely to confuse purchasers as to the origin of appellant's products. In his answer, appellee cited and quoted from several decisions, all but one of which—*Chilton Printing Co.* v. *The Class Journal Co.*, C. D. 1912, 251, 182 O. G. 510—relate to the subject of "merchandise

of the same descriptive properties," as used in section 5 of the Trade-Mark Act of February 20, 1905, in support of his "contention that confusion in trade could not arise in the event of registration of his trade-mark." Appellee quoted the following from the headnotes in the Chilton case, supra:

"Where an opposer used neither the mark sought to be registered by the applicant nor one so similar thereto as to be liable to cause confusion in the mind of the public, he has no standing in the opposition proceedings, (citing *Underwood Typewriter Co.* v. *A. B. Dick Co.*, C. D. 1911, 298, 163 O. G. 730, 36 App. D. C. 175)."

On this record, the tribunals of the Patent Office held that appellee was entitled to the registration of his mark. In so holding, the Commissioner of Patents stated that, although appellee's mark "Sure-Dou" was "clearly *confusingly similar*" to appellant's mark "Suregrow", the goods of the respective parties did not possess the same descriptive properties, and, therefore, appellee was entitled to the registration of his mark. [Italics ours.] Accordingly, the notice of opposition was dismissed.

It is contended by counsel for appellant that appellee admitted in his answer that the products of the parties were derived from the same "raw material source," and that appellant's stock and poultry foods contain cereals and starch providing substances; that appellee also admitted that he was aware of the fact that appellant was engaged in the milling of flour which was sold to bakers; and that appellee failed to deny in his answer that his trade-mark so closely resembles the trade-marks of appellant "that the public will be confused and deceived into believing" that appellee's goods bearing his mark originated with appellant. It is further contended that the goods of the parties possess the same descriptive properties, and that the involved marks so closely resemble one another that the use by appellee of his mark on his goods concurrently with the use by appellant of its marks on its goods would be likely to cause confusion in the trade and result in injury to appellant.

It is conceded in the brief of counsel for appellee that appellee inadvertently failed to deny in his answer the allegation, contained in the notice of opposition, that his mark so closely resembled the marks of appellant as to cause confusion in the trade. It is argued by counsel, however, that the goods of the respective parties do not possess the same descriptive properties, and that confusion in trade will not result in the concurrent use by the parties of their respective marks on their goods.

At the outset, attention should be called to the fact that appellant, in paragraph 11 of its notice of opposition, declared that the goods of the respective parties possess the same descriptive properties, and that, in paragraph 12, it was alleged that the marks of the parties so closely resemble one another that, if used by them on their respective goods, "the public will be confused and deceived into believing" that appellee's goods originated with appellant.

We think it was the purpose of appellant to allege that the goods of the parties possess the same descriptive properties, and that, therefore, confusion in trade will result because of the similarity of the marks of the parties.

(It is clear from the provisions of section 5 of the Trade-Mark Act of February 20, 1905, that if the marks closely resemble one another, or even if they are identical, confusion in trade will not be likely to result in a statutory sense, unless the goods of the parties possess the same descriptive properties.)

We think appellee's answer is sufficient to raise the question of the confusing similarity of the involved marks when used on the goods of the respective parties which, appellee alleged, did not possess the same descriptive properties.

Although the notice of opposition contains an allegation that appellant's marks are used on, or in connection with, flour and other cereal products of appellant, there is no statement therein as to when such marks were so used. (It will be noted that the registrations hereinbefore set forth, relate only to stock and poultry foods.)

Although appellee conceded in his answer that the goods of the respective parties were derived from the same raw material source, he qualified that concession by stating that appellant's stock and poultry foods, although containing cereals and starch, usually contain "other products that are supposed to be beneficial to the health and growth of live stock and poultry."

We are in agreement with the contention of counsel for appellant that appellee's trade-mark "Sure-Dou" closely resembles at least one of appellant's trade-marks—"Suregrow". However, we are not in accord with their contention that the goods of the respective parties possess the same descriptive properties.

Appellee's "dextrinized and gelatinized starches," used by bakers for the purpose of retaining moisture in bakery products, are sold directly to the consumers—bakers, and not to wholesale or retail grocers; whereas, it is alleged in appellee's answer and not denied by appellant that appellant's goods are "usually distributed through wholesale and retail grocers, feed stores and the like."

It is true that appellant refers in its notice of opposition to its products as cereal products. However, there is nothing in the notice of opposition from which it may properly be deduced that other materials are not used in its poultry and stock foods, as alleged in appellee's answer.

We find nothing of record which tends to establish that the use by appellee of his mark on his goods, concurrently with the use by appellant of its marks on its goods, would be likely to cause confusion or mistake in the mind of those who purchase the goods of the respective parties.

Considering the differences in their description, character, and use, and the people to whom they are sold, we are of opinion that the goods of the respective parties do not possess the same descriptive properties.

Although appellee's mark "Sure-Dou" closely resembles appellant's mark "Suregrow", we are not in accord with the holding of the Commissioner of Patents that those marks are "confusingly similar," in view of the fact that the goods of the parties do not possess the same descriptive properties.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

DUERR & BROYLES *v.* POTTS

No. 3,710, Decided May 29, 1937

[90 F.(2d) 117]

INTERFERENCE—PRIORITY—RULES 109 AND 130.

Where D. & B. made no opposition to the inclusion in the issue of certain proposed counts, they may not, in view of the provisions of rules 109 and 130 of the Rules of Practice of the Patent Office, on an appeal from an award of priority to P. as to such counts, be heard to argue that P. cannot make them.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene C. Brown for Duerr & Broyles.

Mr. J. W. Schmied for Potts.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the invention defined by appealed counts 5, 6, and 7, to appellee.

The interference is between appellants' Patent No. 1,880,906, issued October 4, 1932, on an application filed July 9, 1931, and appellee's application, Serial No. 529,268, filed April 10, 1931, for reissue of Patent No. 1,708,954, issued April 16, 1929, on an application filed September 17, 1925.

Count 5 is illustrative of the appealed counts. It reads:

Count 5. In a telegraph system, a multiplex system terminating at a main station, a simplex system also terminating at said main station, means for transmitting corresponding marking and spacing conditions over said simplex system when marking and spacing conditions are received over said multiplex system, and means for applying marking conditions only to the simplex system when spacing conditions only are received over the multiplex system.

It appears from the record that an interference was declared on April 13, 1933, involving four counts, 1 to 4, inclusive; that the counts originated in appellants' patent; and that, on July 25, 1933, counsel for appellants moved to dissolve the interference as to counts 1 and 2 on the ground that appellee could not make them.

On July 26, 1933, appellee filed a motion to add to the interference claims in appellants' application corresponding to counts 5, 6, and 7, here involved. On August 18, 1933, appellee filed a supplemental motion to add such counts, and stated therein how, in his opinion, the involved counts read on his disclosure.

Appellants' motion to dissolve the interference as to counts 1 and 2, and appellee's motion to add thereto counts 5, 6, and 7 were set for hearing on November 6, 1933.

On March 17, 1934, the Examiner of Interferences denied appellants' motion to dissolve as to counts 1 and 2, and granted appellee's motion to amend the interference by adding counts 5, 6, and 7.

In granting appellee's motion to amend, the Examiner said:

Each of the proposed counts A, B, and C is found to read on the Potts disclosure as applied thereto by the moving party. As no brief has been filed in opposition to this motion, it is deemed necessary [unnecessary] to discuss it in detail.

On June 12, 1934, the interference was reformed by the addition of the involved counts—5, 6, and 7.

As the date alleged in appellants' second preliminary statement for conception of the invention defined by the involved counts was subsequent to the filing date of appellee, appellants, on August 7, 1934, were ordered to show cause, on or before September 7, 1934, why judgment on the record should not be entered against them as to counts 5, 6, and 7, a similar order having been previously entered as to counts 1, 2, 3, and 4.

In response to the order to show cause, appellants, on September 7, 1934, filed a motion to dissolve the interference as to all of the counts in issue—1 to 7, inclusive. As to the counts here involved—5, 6, and 7, appellants set forth the decision of the Primary Examiner holding that appellee could not make them, and argued that the decision of the Primary Examiner was correct. The motion also contains an argument as to why the interference should be dissolved as to all of the counts in issue, because of the inoperativeness of appellee's device.

On September 13, 1934, appellants' motion to dissolve was dismissed. In his decision, the Examiner of Interferences stated:

Counts 5, 6, and 7 were added to the issue by motions under rule 109. According to paragraph 2 of said rule, motions to dissolve with regard to added claims will not be considered where questions raised could have been disposed of in connection with the admission of the claims. Obviously any proper question sought to be raised by Duerr & Broyles' motion to dissolve filed September 7, 1934, could have been disposed of in connection with the admission of the claims as the result of Potts' motions to add counts.

Thereupon, the Examiner of Interferences awarded priority of invention to appellee as to all the counts then in issue—1 to 7, inclusive.

On September 14, 1934, counsel for appellants filed a motion requesting that the decision of the Examiner of Interferences be set aside, and a rehearing granted.

The motion to reopen was set for hearing on October 3, 1934, and a hearing having been had, was denied by the Examiner of Interferences on October 8, 1934.

Thereafter, appellants requested reconsideration of their motion to reopen, and consideration of their motion to dissolve. That request was denied by the Examiner of Interferences on November 2, 1934. Thereupon, on November 3, 1934, an appeal was taken to the Board of Appeals, and, on the same day, appellants petitioned the Commissioner of Patents to exercise his supervisory authority and restore jurisdiction to the Examiner of Interferences for the purpose of permitting them to take testi-

mony relative to the alleged inoperativeness of appellee's device.

On December 14, 1934, the Commissioner denied appellant's petition.

On March 12, 1935, a little over four months after appellants had taken the appeal to the Board of Appeals, they filed notice of a statutory bar.

In its decision, the Board, citing rule 130 of the Rules of Practice in the United States Patent Office, refused to consider the allegations contained in the notice of a statutory bar, because the notice was filed too late and concerned a matter which had not theretofore been considered in the record. The Board held that appellee was not entitled to make counts 1 and 2, then in issue, and stated that the motion to dissolve as to those counts should have been granted. With reference to counts 5, 6, and 7, the Board said:

> Previously and within the proper motion period, Potts had moved to add proposed claims A, B, and C as counts 5, 6, and 7. This motion had been granted at the time the above motion of Duerr et al. as to counts 1 and 2 had been denied. Duerr et al. did not oppose the new counts at the time they were proposed but after the Examiner had issued an additional order to show cause in respect to these new counts, Duerr et al. presented a motion to dissolve with respect to them—paper 21. It was held by the Examiner of Interferences that such questions should have been disposed of in connection with the arguments on motions to amend with respect to these proposed counts 5, 6, and 7. The Duerr et al. motion in respect to counts 5, 6, and 7 was accordingly not set for hearing and was dismissed by the Examiner of Interferences—paper 22. It appears therefore that under the practice of rule 130, any contentions as to counts 5, 6, and 7 are not properly before us for consideration since this matter was never presented by timely motion or treated on its merits or decision rendered with respect thereto by the Examiner of Interferences.
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> It is noted that count 7 contains a limitation in respect to this different rate of storing and repeating. It is recommended that this claim be considered on *ex parte* treatment of the Potts application by the Primary Examiner in accordance with our decision unless our conclusions in this respect are modified on appeal.

Thereupon, the Board reversed the Examiner of Interferences as to counts 1 and 2, and held that appellee was not entitled to make them, but affirmed the Examiner as to counts 3 to 7, inclusive, and awarded priority to appellee as to those counts.

Appellee did not file an appeal to this court from the decision of the Board of Appeals holding that he could not make counts 1 and 2.

Appellants appealed from the Board's decision as to counts 5, 6, and 7 only.

Rule 109 of the Rules of Practice in the United States Patent Office provides that

> "New preliminary statements will be received as to the added claims, but motions for dissolution with regard thereto will not be considered where the questions raised could have been disposed of in connection with the admission of the claims."

Rule 130, supra, referred to by the Board of Appeals, so far as pertinent to the issues here, reads:

> 130. Where the patentability of a claim to an opponent is material to the right of a party to a patent, said party may urge the non-patentability of the claim to his opponent as a basis for the decision upon priority of invention. A party shall not be entitled to raise this question, however, unless he has duly presented and prosecuted a motion under rule 122 for dissolution upon this ground or shows good reason why such a motion was not presented and prosecuted. When the Primary Examiner has denied such a motion for dissolution the question shall not be reinvestigated by the Examiner of Interferences except in view of evidence which was not before the Primary Examiner when the motion was considered, but it may be raised before the appellate tribunals on appeal from the award of priority.

It will thus be seen that, under rule 109, supra, the Examiner of Interferences refused to again consider the right of appellee to make counts 5, 6, and 7, because no opposition to the addition of them to the interference was made by appellants at the hearing on appellee's motion to add claims corresponding thereto.

It will further be noted, as stated by the Board in its decision, that appellants

> "did not oppose the new counts at the time they were proposed but after the Examiner had issued an additional order to show cause in respect to these new counts, Duerr et al. presented a motion to dissolve with respect to them—paper 21."

The Board, therefore, refused to consider appellee's right to make counts 5, 6, and 7, because of the provisions of rule 130, supra, that

> "A party shall not be entitled to raise this question [the right of a party to make claims constituting the counts in issue], however, unless he has duly presented and prosecuted a motion under rule 122 for dissolution upon this ground or shows good reason why such a motion was not presented and prosecuted."

It seems to be clear from the quoted provisions of rule 130, supra, that as appellants failed to raise objections, either orally or in writing, at the hearing on appellee's motion to add claims corresponding to counts 5, 6, and 7, they are not

> "entitled to raise the question of the right of appellee to make those counts under rule 130, supra, because they have not 'duly presented and prosecuted a motion under rule 122 for dissolution upon' the ground that appellee could not make claims corresponding to counts 5, 6, and 7, nor have they shown a good reason why such a motion was not presented and prosecuted."

Counsel for appellants concedes that he made no written objection at the hearing on appellee's motion to make claims corresponding to counts 5, 6, and 7. He argues, however, that he orally opposed it.

Counsel for appellee contends that counsel for appellants did not orally oppose the addition of those counts to the interference.

We do not, of course, question the veracity of counsel for either of the parties. However, we have been unable to find anything of record to indicate that counsel for appellants, either orally or otherwise, opposed the addition of claims corresponding to counts 5, 6, and 7 at the hearing before the Examiner of Interferences.

It would seem to be clear from the decision of the Examiner of Interferences of September 13, 1934, that he was of opinion that counsel for appellants did not raise any objection to the addition of counts 5, 6, and 7 to the interference, and, therefore, he refused to reconsider his original decision holding that appellee was entitled to make those counts.

That the Board of Appeals was of the same opinion, is clear from its decision.

In view of the fact that the Board of Appeals held that appellee's right to make claims corresponding to counts 5, 6, and 7 was not an issue which it had any right to consider, for the reasons stated in its decision, in which we concur, and as the Board did not consider that issue, it will not be considered by this court. *In re Otto Schmidt and Johannes Ufer*, 18 C. C. P. A. (Patents) 827, 45 F.(2d) 916, 407 O. G. 3, and cases cited; *Herthel and Tifft* v. *Dubbs*, 20 C. C. P. A. (Patents) 1128, 65 F.(2d) 138, 437 O. G. 3; *Angel* v. *Morin*, 21 C. C. P. A. (Patents) 1018, 69 F.(2d) 646, 446 O. G. 720; *Josleyn* v. *Hulse*, C. D. 1908, 34.

No other issue having been raised in the amended notice of appeal to this court, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SIBLEY

No. 3,789. Decided April 5, 1937

[88 F.(2d) 960]

1. PATENTABILITY—TEACHINGS OF PRIOR ART.
   Where it was established that at least twenty-two reaction products which are satisfactory as anti-oxidants in the vulcanization of rubber are useless as an anti-oxidant in the production of applicant's coating composition, "it is going somewhat too far to hold that the teachings relative to the rubber vulcanization art and the soap art, even when coupled with the somewhat fugitive expressions of different of the references as to the similarity of reaction of some similar agents in the paint and varnish art, precludes the idea of invention on the part of appellant."
2. SAME—COATING COMPOSITION AND PROCESS OF PREPARING.
   Claims for a coating composition and process of preparing *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

BLAND, *J.*, dissenting.

Messrs. Williams, Rich & Morse, *Mr. Henry D. Williams*, *Mr. Giles S. Rich*, and *Mr. Albert H. Kirchner* for Sibley.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

Appellant brings to us for review a decision of the Board of Appeals of the United States Patent Office affirming the decision of an Examiner denying the patentability of all claims, numbered 1 to 20, inclusive, of an application for patent on "Coating Composition and Process of Preparing Same."

Claims 1, 7, and 20 are selected as illustrative of the subject matter. They read:

> 1. A coating composition containing a drying oil having incorporated therein a positive oxidation catalyst and a controller of oxidation thereof comprising a reaction product of a ketone and an amine or a derivative thereof.
>
> 7. A coating composition containing a drying oil having incorporated therein an inhibitor of oxidation thereof comprising a reaction product of diacetone alcohol and aniline.
>
> 20. The improvement in the manufacture of coating compositions which comprises mixing the composition containing a drying oil with a positive oxidation catalyst and a controller of oxidation thereof comprising a reaction product of an aliphatic ketone and an aromatic primary amine free from secondary amino substituents.

Ten of the twenty claims on appeal are for the composition of matter and ten for the process of manufacture. All of the claims except 7, 14, 15, and 16 specify a positive oxidation catalyst and those include a drying oil which it seems acts in substantially the same manner as a positive oxidation catalyst. All the claims specify a controller of oxidation (or what is conceded to be an equivalent thereof), defined as an inhibitor of oxidation and this element constitutes the crucial limitation involved in the controversy. The brief for appellant states:

> The controller of oxidation of claim 1 is a reaction product of (1) a ketone and (2) an amine or a derivative thereof. This is a class of substances never before used for the purposes of the invention as claimed, and the specification names 17 substances of the class of ketones, any one of which may be combined with any one of 15 other substances of the class of amines to produce the reaction product desired. The ketone in another claim is defined as an aliphatic ketone, and the amine in another claim is defined as an aromatic amine, and specifically the ketone is set forth as diacetone alcohol and the aromatic primary amine as aniline.

The Examiner said:

> In the application appealed by the applicant, there are six claims to wit, 1, 2, 3, 8, 9, and 10, broad as to the amine; they are not restricted to the primary amine. As to the other claims they are more restricted, embracing only the primary amines. • • •

In its decision the Board eliminated one British patent which has been cited as a reference by the Examiner. So, the case comes to us with the following patents and publications cited as prior art:

Ostwald et al. (British), 10,361, April 20, 1911; Powell, 1,672,657, June 5, 1928; ter Horst, 1,807,355, May 26, 1931; ter Horst, 1,822,548, September 8, 1931; Merkle, 1,829,999, November 3, 1931; Yohe, 1,909,329, May 16, 1933; Soc. Chem. Ind. Japan, vol. 39 (1930), pp. 129–30; J. Ind. & Eng. Chem., pp. 691–93.

The following general statement as to the grounds of rejection is quoted from the brief of the Solicitor for the Patent Office:

> It was held that the patent to Merkle discloses a composition of the general type claimed by appellant, which includes a drying oil, an oxidation catalyst, and then an anti-oxidant. It was admitted by the Patent Office tribunals that the specific reaction product employed by appellant as an anti-oxidant was not mentioned in the Merkle patent. However, the specific material employed by appellant as an anti-oxidant in the combination as claimed has herebefore been used to prevent undesired oxidation in rubber. On this state of the art the tribunals of the Patent Office ruled that the subject-matter of the appealed claims was without patentable merit over the prior art. • • •

The brief on behalf of appellant says:

> The case at bar presents a simple question. Given the use of substances in another art, which substances are substantially the same as applicant's substances, but it being conceded that so far as this particular art is concerned the use of applicant's substances as claimed is new, did it involve invention to discover that these old substances possess new properties not theretofore known?

Of the patents cited as references both of those to ter Horst are entitled "Treatment of Rubber." They were relied upon to show the specific anti-oxidant in rubber, it being the theory, as expressed by the Examiner,

> "that the regulating and control of oxidation in rubber is the same as in oil, soaps and coating compositions containing drying oils."

The patent to Merkle is entitled "Coating Composition and Process of Preparing Same" and states that it more particularly applies to drying oil coating compositions and methods of preventing premature oxidation of the compositions. It discloses a pro-oxidant and an anti-oxidant, but concededly his anti-oxidant is different from that of appellant. Merkle recites a number of anti-oxidants but does not name that of appellant. So, it appears that the Merkle patent was primarily cited to show that the general combination described in the claims at issue is old, and the patent to Ostwald et al. to show a solution of the problem with another anti-oxidant "many years prior" to Merkle, but the Ostwald et al. anti-oxidant is also conceded to be different from that of appellant. Ostwald teaches that

> "Lacquers, drying oils, and similar substances and products therefrom, such as linoleum and the like behave in a similar manner as india-rubber products. They

change under the influence of light and air; for instance linoleum and oil cloth break; colours, varnishes and lacquers crack and peel off; oil and spirit varnishes shrink and also peel off. This takes place particularly with products containing certain hard resins, for instance shellac and sandarac."

The Board says of the Ostwald et al. reference:

The British patent to Ostwald et al. also lists, as amenable to the same general treatment, rubber, along with drying oils, resins and varnishes. There are a number of statements in this patent which lead one to the conclusion that substances which might be useful for controlling oxidation of one of the materials mentioned might also be useful with the others. Ostwald et al. do not mention a great number of suitable materials.

Of the Yohe patent, which relates to rubber treatment and is entitled "Age Resister," the Board says:

The patent to Yohe discloses the direct reaction of ketonic bodies with amines and is pertinent to the substitution of amines, rather than their salts, in the materials employed by ter Horst.

The patent to Powell is entitled "Soap Stabilization." The Examiner states, in substance, that it and the publication, "Soc. Chem. Ind. Japan," are cumulative as to the analogy of the problem of preventing and also controlling oxidation in oils (or oil material as soap) and rubber. Further allusion to this article will be made by us later in this opinion.

The purpose of the "J. Ind. & Eng. Chem." citation is shown by the following excerpt from the decision of the Board:

The Smith article in Industrial and Engineering Chemistry, which article deals with inhibiting agents generally useful with unsaturated organic compounds, makes reference to the fact that substances having an ethenoid linkage are subject to oxidation and that this oxidation can be controlled by the use of a suitable anti-oxidant. In discussing the general subject, specific reference is made to oil, fats, fatty acids, soaps, acrolein, rubber and petroleum. The article goes on to discuss a number of specific inhibitors and makes the statement that it is logical to assume that the substances which inhibit in one case should do likewise in another.

[1] Appellant, by affidavits, to which no reference was made in the decisions of the respective tribunals below, seems to have established (partly by his own researches and partly through experiments made by researchers for the American Paint and Varnish Manufacturers Association at his instigation) that at least twenty-two reaction products, composed of combinations of different chemicals, found to be satisfactory and efficient as anti-oxidants in the vulcanization of rubber, are useless as anti-oxidants in the production of appellant's product. No question is made as to the verity or accuracy of this evidence, and we are impressed with the argument that where so many agents taught to be good as anti-oxidants, often referred to in the record as anti-agers, for rubber are useless for appellant's purposes, it is going somewhat too far to hold that the teachings relative to the rubber vulcanization art and the soap art, even when coupled with the somewhat fugitive expressions of different of the references as to the similarity of reaction of some similar agents in the paint and varnish art, precludes the idea of invention on the part of appellant.

It is our view that the most potent reference cited is the article from the Journal of the Society of Chemical Industry of Japan, listed supra, as "Soc. Chem. Ind. Japan, vol. 39 (1930) pp. 129–30." Except for one example by the Ostwald et al. patent teaching the mixing of thickened linseed oil and aniline (said to be a well known accelerator of rubber vulcanization) for the making of linoleum, the Japanese article seems to be the only reference which definitely teaches the treatment of drying oil and rubber stock with the same materials. The article (published in 1930) after saying that "The antioxidants extended recently their use in rubber industry," recites that its authors, Yoshio Tanaka and Mitsuo Nakamura, seemingly of the Department of Applied Chemistry, Faculty of Engineering, Tokyo Imperial University, had examined the action of "several of these antioxydants, • • • upon the oxidation of drying oil," linseed oil being chosen as the drying oil. Nine anti-oxidants of rubber are listed as having been used in the experiments, viz., "(1) V. G. B."; "(2) Neozone Standard"; "(3) Baygal 'C'"; "(4) Neozone C"; "(5) Baygal 'D'"; "(6) Neozone A"; "(7) Neozone D"; "(8) Albasan," and "(9) Baygal 'A'." None of these, as we understand it, is the same in chemical composition as appellant's oxidation controller consisting of a ketone and an amine in some one of their respective forms as defined in the claims.

It has been said already that the Examiner cited the Japanese publication as cumulative. The Board says of it:

The Japanese publication also discusses the use of anti-oxidants with drying oil and mentions a number found to be suitable, among them several previously known to be anti-oxidants of rubber. The publication makes the general statement that:

"Antioxydants of rubber have all antioxygenic action toward linseed oil, although their activities are varied according to their kinds."

Appellant argues with respect to the substances used in the experiments by the Japanese that the several neozones are all in the same general class and are well known as rubber anti-aging materials; that he is informed that "Baygal 'A'" is the same as "Neozone A" and "Baygal 'C'" is "Neozone D"; that in any event it is reasonable to assume that the neozones and baygals are closely related substances; that of the other two, "V. G. B." is an acetaldehyde-aniline condensate made by the United States Rubber Company, and is a well known antiager for rubber, and from these facts deduces that "it is reasonable to assume that these nine examples are of one general class and two specific instances, or three in all." Further, when commenting on the excerpt from the article quoted above and the Board's remark thereon, the brief says:

This is a statement based upon tests of at most six substantially different substances, and refers *only* to these substances. It summarizes the results of the *tests made by the authors* and is not a general statement applicable to all anti-oxidants of rubber. As quoted in the opinion of the Board of Appeals • • •, it would seem to be a general statement, but it is merely a statement that in these particular researches a limited number of examples were found to be anti-oxidants more or less useful in the treatment of linseed oil. If given the connotation adopted by the Board, the quoted statement is untrue.

It is noted that the Japanese article states "The rubber-antioxydants on the market can now be reckoned by about twenty and so." Granting that each of the nine agents experimented with in the drying oil art by the authors of the article was a separate substance, it remains true that these constituted only a minority of all the rubber-vulcanization agents stated to be "on the market," and we have no evidence of experiments by them with the majority. As a matter of fact, the record already outlined indicates that there are many more than twenty rubber anti-oxidants, appellant himself having directly or indirectly found at least twenty-two to be useless for his purpose.

Appellant cites numerous authorities in support of his contention that catalytic action is unpredictable and that chemical discoveries are empirical and are patentable even though arrived at by a process of exclusion through research. Among such authorities are *Corona Cord Tire Company* v. *Dovan Chemical Corporation*, 276 U. S. 358, 370 O. G. 1011; *United Chromium, Inc.* v. *International Silver Co.*, 53 F.(2d) 390 (a case in which the patent was finally declared void but upon the ground that it was issued to the wrong party and not upon any ground here pertinent), with its cited cases; *Toledo Rex Spray Co.* v. *California Spray Chemical Co.*, 268 Fed. 201; *Celluloid Manuf'g Co.* v. *American Zylonite Co. et al.*, 35 Fed. 301; *King et al* v. *Anderson et al.*, 90 Fed. 500, and *Diversey Corporation* v. *Mertz*, 13 Fed. Supp. 410.

[2] All the cases so cited were infringement proceedings and, as of course, related to patents which had been granted, not to applications for patents. In considering the grant of an application the Patent Office tribunals are not required always to take as broad a view as the courts sometimes take in upholding the validity of a patent once granted. Nevertheless, in chemical cases in particular, some experimentation is practically always necessary and the difficulty lies in drawing the line of demarcation between mere skill and invention. Upon the record in this case we feel constrained to hold that invention was present. Any doubt which may exist should be resolved in favor of applicant.

It seems to be taken for granted that all the claims stand or fall together; hence there is no occasion to analyze them or differentiate between them.

The decision of the Board of Appeals affirming the decision of the Examiner is reversed.

Reversed.

BLAND, *J.*, dissents.

HATFIELD, *J.*, did not participate in the decision of this case.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., N. D. Ill., E. Div., Doc. 14366, *S. B. Smith* v. *Montgomery Ward & Co.* Doc. 14367, *S. B. Smith* v. *Sears, Roebuck & Co., Inc.* Doc. 14380, *S. B. Smith* v. *R. Reimers.* Dismissed July 9, 1937, in each of above cases. Same, D. C. Minn., 4th Div., Doc. E 2821, *S. B. Smith* v. *R. W. Portinga.* Dismissed Sept. 10, 1937.

1,405,173, H. J. Wheeler, Pumping apparatus; 1,964,726, 1,894,234, G. C. Engstrand, Oil pumping apparatus, appeal filed Sept. 30, 1937, C. C. A., 2d Cir., Doc. —, *Salvage Process Corp. et al.* v. *Acme Tank Cleaning Process Corp.*

1,421,756, C. Arnao, Massage apparatus; 1,982,904, Davis & Nielsen, Steaming apparatus, filed Sept. 23, 1937, D. C. Minn., 4th Div., Doc. E 2987, *Larx Co., Inc.*, v. *American Beauty Products Co.*

1,574,736, K. E. Peiler, Feeder for molten glass, appeal filed Sept. 29, 1937, C. C. A., 2d Cir., Doc. —, *Hartford-Empire Co. et al.* v. *Demuth Glass Works, Inc.*

1,591,666. (See 1,647,422.)

1,633,084, J. J. Flanigan, Spindle; 1,703,140, 1,687,157, same, Duplicating machine, D. C., N. D. Ill., E. Div., Doc. 14655, *J. J. Flanigan* v. *Ditto, Inc.* Dismissed May 21, 1936. Decree affirmed Aug. 11, 1937.

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1,647,422, W. R. Wiley, Hood catch; 1,591,666, F. A. Falk, Latching device; 1,809,720, Mears & Hynes, Hood latch, D. C., N. D. Ill., E. Div., Doc. 10869, *The Bassick Co.* v. *Chicago Forging & Mfg. Co.* Bill and counterclaim dismissed Sept. 13, 1937.

1,666,305, B. A. Proctor, News projection machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism; 2,061,512, A. D. Eltzen, Ticket tape projecting machine, filed Nov. 28, 1937, D. C. Minn., 4th Div., Doc. E 2951, *Trans-Lux Movie Ticker Corp. et al.* v. *Projex, Inc.*

1,666,306. (See 1,666,305.) 1,666,307. (See 1,666,305.)

1,684,900, C. B. Waters, Automobile circulation and heating system; 1,834,141, V. J. Butterfield, Fitting for automotive vehicle heaters; 1,880,620, C. H. Will, Automobile heater and deflector therefor; 1,892,506, H. W. Fink, Deflector for automobile heaters, appeal filed Sept. 24, 1937, C. C. A., 2d Cir., Doc. —, *Tropic-Aire, Inc.*, v. *E. A. Laboratories, Inc.*

1,687,157. (See 1,633,084.)

1,687,510, M. Pipkin, Electric lamp bulb, appeal filed Sept. 24, 1937, C. C. A., 2d Cir., Doc. 15586, *General Electric Co.* v. *Wabash Appliance Corp. et al.*

1,703,140. (See 1,633,084.)

1,712,789, J. F. Donnelly, Process for the conversion of hydrocarbon oils, D. C., E. D. Tex. (Tyler), Doc. E 749, *Connelly Process Corp.* v. *Overton Refining Co.* Dismissed without prejudice Sept. 25, 1937.

1,736,650, A. M. Fuller, Iron stand, filed Sept. 22, 1937, D. C. Mo. (Kansas City), Doc. 2944, *L. W. Fuller* v. *S. S. Kresge Co. et al.*

1,790,231, 1,894,761, L. J. Dugas, Fire extinguisher container; 1,839,658, 1,877,649, same, Method of extinguishing fires; 1,793,420, D. J. Block, Extinguishing material, D. C., N. D. Ill., E. Div., Doc. 13603, *Du-Gas Fire Extinguisher Corp. et al.* v. *Dicner-Dugas Fire Extinguisher Corp. et al.* Dismissed with prejudice Feb. 1, 1937. Motion of plaintiff to vacate order of dismissal denied July 7, 1937.

1,793,420. (See 1,790,231.)

1,796,979, G. A. Bells, Radius gauge, D. C., S. D. Ill., N. Div., Doc. E 1303, *Weaver Mfg. Co. et al.* v. *Bear Mfg. Co.* Dismissed without prejudice Sept. 21, 1937.

1,809,720. (See 1,647,422.)

1,831,494, 1,852,056, 1,865,778, Hynes & Mears, Hood latch; 2,045,320, W. R. Wiley, Hood catch, D. C., N. D. Ill., E. Div., Doc. 13580, *Chicago Forging & Mfg. Co.* v. *Stewart-Warner Corp. et al.* Consent decree dismissing bill and counterclaim July 13, 1937.

1,834,141. (See 1,684,900.)

1,838,363, F. C. Copeland, Dispensing and lighting device, filed Sept. 22, 1937, D. C., S. D. N. Y., Doc. E 85/327, *F. C. Copeland et al.* v. *R. H. Macy & Co., Inc.*

1,839,658. (See 1,790,231.)

1,844,359, J. Haas, Identification tag, D. C., E. D. Pa., Doc. 9633, *H. J. Haas* v. *T. A. Gey.* Dismissed Sept. 20, 1937.

1,850,214, C. M. O'Neil, Piston skirt expander, filed Sept. 20, 1937, D. C. Minn., 4th Div., Doc. E 2985, *Thoston Mfg. Co. v. E. L. Soland et al.*

1,852,056. (See 1,831,494.) 1,865,778. (See 1,831,494.)

1,877,649. (See 1,790,231.) 1,880,620. (See 1,684,900.)

1,892,506. (See 1,684,900.) 1,894,234. (See 1,405,173.)

1,894,761. (See 1,790,231.)

1,936,720, J. Kronheim, Hanger or bracket, D. C., S. D. N. Y., Doc. E 80/347, *The Crown Sagless Web Seat Co. v. A. Pinkenberg's Sons, Inc., et al.* Dismissed without prejudice (notice Sept. 21, 1937).

1,964,726. (See 1,405,173.) 1,982,904. (See 1,421,756.)

1,983,963, Belton & Belton, Rubber product having roughened or crinkled surface and method for producing same; 2,064,143, same, Rubber glove and process of making same, filed Sept. 22, 1937, D. C., N. D. Ohio, E. Div., Doc. E 5647, *Seiberling Latex Products Co. v. The Lincoln Rubber Co. et al.*

1,989,535, F. W. Stolzenberg, Pile fabric, D. C., S. D. N. Y., Doc. E 81/54, *S. Blumenthal & Co., Inc., v. Cheney Bros.* Consent order of discontinuance (notice Sept. 21. 1937).

1,993,173. (See Re. 20,133.)

2,004,730, H. V. Reidenbach, Girdle, filed Sept. 24, 1937, D. C., W. D. N. Y., Doc. E 8368, *H. V. Reidenbach v. A. J. Namm & Sons, Inc.* Doc. E 8369, *H. V. Reidenbach v. Kops Bros., Inc.*

2,036,593. (See 2,042,952.) 2,041,560. (See 2,042,952.)

2,042,952, E. A. Mauersberger, Sulphonated product and process of producing same; 2,036,593, same, Preparation of alkylated aromatic carbocyclic sulfonic acid; 2,041,560, same, Water-soluble sulfonated condensation product, filed Sept. 28, 1937, D. C., S. D. N. Y., Doc. E 85/332, *The Richards Chemical Works v. E. A. Mauersberger et al.*

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2,058,159. (See Re. 20,133.)

2,061,512. (See 1,666,305.) 2,064,143. (See 1,983,963.)

Re. 16,548, J. Waddell, Storage-battery cell and the like, filed Sept. 22, 1937, D. C., W. D. N. Y., Doc. 2169, *Kathanode Corp. et al. v. U. S. L. Battery Corp.*

Re. 20,133, 1,993,173, P. H. Kuyper, Venetian blind construction; Des. 98,260, same, Combined Venetian blind and housing therefor; 2,058,159, same, Venetian blind structure, D. C., E. D. N. Y., Doc. E 8171, *Rolscreen Co. v. S. Golbetter et al.* Decree for plaintiff Sept. 27, 1937.

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Des. 96,194, H. O. Maryan, Colposcope, D. C., N. D. Ill., E. Div., Doc. 14707, *H. O. Maryan v. H. Leusche et al.* (*General Scientific Instrument Co.*). Dismissed Aug. 27, 1937.

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Des. 101,683, S. Rosenblatt, Coat, D. C., S. D. N. Y., Doc. E 85/305, *S. Rosenblatt et al. v. Stern & Herf Corp.* Consent order of discontinuance (notice Sept. 27, 1937).

Des. 101,756, A. Einstein, Blouse, filed Sept. 27, 1937, D. C., W. D. N. Y., Doc. E 2172, *C. Duchen v. F. M. Lowenthal et al.*

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Des. 105,900, B. Salzberg, Decorative nail, filed Sept. 22, 1937, D. C., S. D. N. Y., Doc. E 85/326, *Metropolitan Button Works, Inc., v. Eitinger Bead Co., Inc.*

Des. 105,929, P. Schlessel, Dress, filed Sept. 24, 1937, D. C., S. D. N. Y., Doc. E 85/330, *N. Y. Dress & Costume Co., Inc., v. Sylbert-Fox, Inc.*

Des. 109,864, Des. 159,878, Des. 167,085, Des. 172,460, Des. 284,246, General Baking Co., Bread; Des. 159,357, same, Cake, pastry, biscuits, etc.; Des. 201,259, Des. 205,888, Des. 201,222, same, Cake; Des. 266,338, same, Bread, rolls, doughnuts, D. C., N. D. Ill., E. Div., Doc. 14970, *General Baking Co. v. Goldblatt Bros., Inc.* Dismissed for want of equity June 24, 1936. Decree affirmed June 23, 1937.

Des. 159,357. (See Des. 109,864.)
Des. 159,878. (See Des. 109,864.)
Des. 167,085. (See Des. 109,864.)
Des. 172,460. (See Des. 109,864.)
Des. 201,222. (See Des. 109,864.)
Des. 201,259. (See Des. 109,864.)
Des. 205,888. (See Des. 109,864.)
Des. 266,338. (See Des. 109,864.)
Des. 284,246. (See Des. 109,864.)

Interference Notices

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Florida Citrus Products Corporation, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 15, 1927, No. 224,038, to Florida Citrus Products Corporation, Haines City, Florida, and 136 Franklin St., New York, N. Y., and the notice of such proceeding sent by registered mail to said Florida Citrus Products Corporation at the said addresses having been returned by the post office as undeliverable, notice is hereby given that unless said Florida Citrus Products Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, D. C., Nov. 4, 1937.*

Charles N. Cox, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Redlands Mutual Orange Association, 331 North Fourth St., Redlands, California, for registration of a trade-mark and trade-mark registered February 21, 1928, No. 239,038, to Charles N. Cox, 421 Flamingo Drive, West Palm Beach, Florida, and the Office having been unable to obtain satisfactory service upon said Cox, notice is hereby given that unless said Charles N. Cox, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 7, 1937

[VOL. 485. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 395,446. WALDO DE WILDE, Pendleton, Oreg. Filed July 20, 1937.

DIVIDEND DAY

For Receptacles for Tickets Consisting of a Cylindrical Wooden Container Provided with a Combination Lock and Mounted on a Base Having the Appearance of a Safe and Having a Slot in the Top for the Insertion of Tickets.

Claims use since June 21, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 394,842. LENNOX MANUFACTURING COMPANY, St. Louis, Mo. Filed July 3, 1937.



The word "Lennox" is disclaimed apart from the mark.

For Purses, Pocketbooks, and Ladies' Hand Bags.

Claims use since June 15, 1937.

Ser. No. 397,992. MORRIS WHITE MFG. CO., INC., New York, N. Y. Filed Sept. 30, 1937.



The word "Certified" is disclaimed apart from the mark.

For Handbags.

Claims use since May 21, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 391,093. MADALEN SCHEIDLER, doing business as Ezo-Tex Laboratory, Milwaukee, Wis. Filed Apr. 8, 1937.



For Foot Powder, Mouth Wash, Deodorant Foot Powder, Glove Deodorant, Ointments for Treatment of Frostbites, Chilblains, Tired Perspiring Feet, Sunburn, Burns, and Minor Skin Irritations, Antiseptic Powder, Liniment for the Relief of Pain, Skin Lotions, and Cigarette Stain Remover.

Claims use since Feb. 1, 1937.

Ser. No. 391,139. DR. MADAUS & Co., Radebeul, Germany. Filed Apr. 9, 1937.

Aurocard

For Chemical Preparation Useful in the Treatment of Heart Disease.

Claims use since Apr. 18, 1935.

Ser. No. 395,534. CARRIE E. MARCELLE, Philadelphia, Pa. Filed July 22, 1937.

MAGIC-CHARG

TRADE MARK

SERVICE

The words "Charg", "Trade Mark", "Service", and the representation of the battery are disclaimed apart from the mark.

For Battery Compound.

Claims use since May 29, 1937.

Ser. No. 395,784. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Filed July 30, 1937.

CALPHOLAC

For Specially Prepared Concentrated Food in Tablet Form with Added Iron, Calcium, Phosphorous and Vitamin D, to Be Taken When the Diet is Deficient in These Elements.

Claims use since July 15, 1937.

Ser. No. 396,407. HARRY D. KOENIG, doing business as Swan Luxuries Co., New York, N. Y. Filed Aug. 14, 1937.



SoiSette

(PRONOUNCED SWAH-ZETTE)

For Chemically Prepared Deodorants, Contraceptives in Powder and Paste Forms, and Toilet Preparations—Namely, Face Powder, Face Rouge, Lipstick, Face Cream, Astringent Lotion, Acne Lotion, Liquid Face Powder, Mascara, Perfume, Toilet Water, and Shampoo.

Claims use since March, 1934.

Ser. No. 396,667. CALIFORNIA SPRAY-CHEMICAL CORPORATION, Wilmington, Del., and Richmond, Calif. Filed Aug. 23, 1937.

DEADLINE

For Insecticide Barriers for Banding Trees and Other Exposed Surfaces Against the Passage of Climbing and Crawling Insects.

Claims use since January 23, 1936.

Ser. No. 396,821. F. F. LEITNER, doing business as Beautywise Laboratories, San Francisco, Calif. Filed Aug. 27, 1937.

BEAUTYWISE

For Skin Toning Lotion, Skin Bleaching Lotion, Permanent Wave Oil, Liquid Cuticle Remover, Liquid Powder, Face Powder Medicated for Treatment of Acne, Astringent Lotion, Nail White, Complexion Mask, Depilatory, Facial Oil, Neutral Shampoo, Muscle Oil, Hand Lotion, Cuticle Oil, Anesthetic Eye Brow Arching Oil, Soapless Oil Shampoo, Liquid Nail Polish Remover, Penetrating Tissue Cream, Cuticle Ice—Namely, a Cream Preparation for Softening the Cuticle, Lavender Lotion, Brilliantine, Cleansing Cream, Acne Cream, and Acne Lotion.

Claims use since July 1, 1937.

Ser. No. 397,258. R. H. MACY & CO., INC., New York, N. Y. Filed Sept. 9, 1937.



For Acetone, Rubbing Alcohol, Alkaline Tablets, Almond Meal, Almond Oil, Alum, Ammonia, Aromatic Spirits of Ammonia, Antiseptics, Arnica, Aspirin, Bath Oils, Bath Salts, Benzoin, Benzoin Compounds, Bicarbonate of Soda, Bile Salts, Borax, Boric Acid, Brilliantine, Brown Mixture, Burow's Solution, Carron Oil, Cascara Sagrada, Castor Oil, Cathartics, Chamomile Tea, Citrates and Carbonates for the Treatment of Acid Conditions, Citronella, Cocoa Butter, Cod Liver Oil, Cod Liver Oil Tablets, Cod Liver Oil Compounds, Cosmetic Masks, Cosmetic Oil Removers, Cough Syrups, Cosmetic Facial and Body Oils, Cream of Tartar, Cuticle Creams, Cuticle Oils, Cuticle Removers, Dental Creams, Deodorants, Dobell's Solution, Eau de Cologne, Expectorants, Eye Make-up, Flaxseed, Foot Powder, Glycerine, Hair Tonics, Halibut Liver Oil, Henna, Inhalants, Iodine, Iron Pills, Laxatives, Liniments, Licorice, Lime Water, Cosmetic Lotions, Magnesia, Magnesia Compounds, Manicure Creams, Medicinal Oils for the Treatment of Constipation, Medicinal General Tonics, Medicinal Malt Extract, Milk Sugar, Mineral Oil Compounds, Mouth Washes, Myrrh, Nail Polish, Nail Polish Thinners, Nail Polish Removers, Nasal Jelly, Nose Drops, Ointments for the Treatment of Burns, Abrasions, and the Like, Orris Root, Peppermint, Perfumes, Peroxide of Hydrogen, Petrolatums, Precipitated Chalk, Psyllium Seed, Quinine, Hair Rinses, Rhinitis Tablets, Rhubarb and Soda, Rose Water, Rouges, Saccharin, Salves for the Treatment of Skin Affections, Shampoos, Scalp Stimulants, Cosmetic Skin Cleaners, Skin Tonics, Soda Mint Tablets, Spirits of Camphor, Spirits of Nitre, Rectal and Vaginal Suppositories, Sulphur, Talcum Powders, Toilet Creams, Toilet Powders, Tooth Pastes, Tooth Powders, Vitamin Tonic Preparations, Water Softeners, Hair Wave Sets, Wintergreen, Witch Hazel, and Yeast Containing Tablets.

Claims use since June, 1929.

Ser. No. 397,446. WILLIAM F. KOCH, doing business as Koch Laboratories, Detroit, Mich. Filed Sept. 15, 1937.

DIKETALS

For Preparation for Allergy-Neoplasia-Infections.

Claims use since Sept. 2, 1937.

Ser. No. 397,567. ELLEN N. BAUM, Denver, Colo. Filed Sept. 20, 1937.

DRY -O- SCENT

The words "Dry" and "Scent" are disclaimed apart from the combination shown.

For Deodorants and Perspiration Retarding Preparations.

Claims use since Aug. 1, 1937.

Ser. No. 397,885. A. W. VON DEILEN, doing business as Anodex Laboratories, Atlantic City, N. J. Filed Sept. 27, 1937.

ANOVIN

For Preparation for Treating Vincent's Infection, Sterilizing the Mouth, and Oral Diseases.

Claims use since July 14, 1936.

Ser. No. 398,027. A. & M. PRODUCTS CO., Stillwater, Okla. Filed Oct. 2, 1937.

A & M



The facsimile signature is that of A. L. Marlow, a member of the firm. The words "Original" and "Genuine" are disclaimed apart from the mark.

For Liquid Preparation to be Added to the Drinking Water of Poultry as a Germicide for the Treatment of Cholera, Roupe, Nasal Catarrh, Colds, Canker Pip, Chickenpox, Diarrhea, and Blackhead in Turkeys.

Claims use since Aug. 15, 1937.

Ser. No. 398,088. CALGON INCORPORATED, Pittsburgh, Pa. Filed Oct. 4, 1937.

BACTERGENT

For Chemical Compound Having Water Softening and Germicidal Properties for Use in Washing Glasses Used with Service in Public Places, Dairy Bottles or any Articles, which Under the Public Health Laws Require the Use of a Germicide in the Washing of Such Articles.

Claims use since Sept. 27, 1937.

Ser. No. 398,392. THE DEALKOL COMPANY, Chagrin Falls, Ohio. Filed Oct. 12, 1937.

DEALKOL

For Medicinal Preparation or Beverage for Use After Excessive Eating or Drinking.

Claims use since Feb. 11, 1937.

Ser. No. 398,468. ELECTROLUX, INC., New York, N. Y. Filed Oct. 14, 1937.

ELECTROLUX

For Insecticides.

Claims use since February, 1937.

Ser. No. 398,476. LINGNER-WERKE VERTRIEBS, G. M. B. H., Dresden-A, Germany. Filed Oct. 14, 1937.

Tiranal

For Disinfectant and Antiseptic.

Claims use since January, 1919.

Ser. No. 398,494. SAMUEL ROSENBERG, doing business as Templar Products Company, New York, N. Y. Filed Oct. 14, 1937.

testone

For Anti-Freezing Solution for Radiators.

Claims use since Sept. 1, 1937.

Ser. No. 398,567. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 16, 1937.

MIMEOGRAPH

For Fluid Adapted for Use in Stenciling and for Softening Stencils and Stencil Paper.

Claims use since April, 1934.

Ser. No. 398,598. AGICIDE LABORATORIES, Milwaukee, Wis. Filed Oct. 18, 1937.

AGICIDE

For Insecticides.
Claims use since May 16, 1936.

Ser. No. 398,600. AGICIDE LABORATORIES, Milwaukee, Wis. Filed Oct. 18, 1937.

AGICIDE

For Insecticides.
Claims use since May 16, 1936.

Ser. No. 398,621. E. F. HOUGHTON & Co., Philadelphia, Pa. Filed Oct. 18, 1937.

NU-CARB

For Composition of Carbonaceous Material and Energizer for the Carburizing of Steel.
Claims use since Oct. 8, 1937.

Ser. No. 398,631. MODERN HEALTH PRODUCTS, INC., Milwaukee, Wis. Filed Oct. 18, 1937.

STAFTABS

For Calcium Phosphorus Vitaminic Preparation.
Claims use since July 28, 1937.

CLASS 7

Cordage

Ser. No. 398,158. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Oct. 5, 1937.

BLUE STAR

The drawing is lined for blue.
For Rope and Binder Twine.
Claims use since Sept. 28, 1937.

Ser. No. 398,159. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Oct. 5, 1937.

H & A

The drawing is lined for blue.
For Rope and Binder Twines.
Claims use since Aug. 25, 1935.

Ser. No. 398,160. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Oct. 5, 1937.

RED STAR

The drawing is lined for red.
For Rope and Binder Twines.
Claims use since Sept. 28, 1937.

Ser. No. 398,161. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio. Filed Oct. 5, 1937.

H & A

The drawing is lined for red.
For Rope and Binder Twines.
Claims use since Aug. 25, 1935.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 393,584. DENICOTEA, SOCIETE ANONYME, Antwerp, Belgium. Filed June 3, 1937.

DENICOTEA

For Cigarette Holders, Cigar Holders, and Pipes Containing Denicotinizing Tube Fillers, and Tube Refills for the Same.
Claims use since Feb. 25, 1937.

CLASS 12

Construction Materials

Ser. No. 386,075. THE FLINTKOTE COMPANY, New York, N. Y. Filed Nov. 28, 1936.

INSUL-CORK

The word "Cork" is disclaimed apart from the mark.
For Composition Asphalt Roofing Materials.
Claims use since Oct. 15, 1936.

Ser. No. 397,488. JULIUS J. STERN, Chicago, Ill. Filed Sept. 16, 1937.

STELLA

For Structural Panels, Veneers, Plywood Boards and Panels, Technical Plywood, and Composition Boards.
Claims use since Jan. 1, 1931.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 394,226. STANLEY G. FLAGG & Co., INC., Philadelphia and Stowe, Pa. Filed June 18, 1937. Under

FLAGG

10-year proviso.
For Metal Pipe Fittings.
Claims use since July, 1866.

Ser. No. 397,108. MORTIMER J. BROWN, Niagara Falls, N. Y. Filed Sept. 4, 1937.

BRIT

For Draft Arm Nozzles for Soda Fountains and the Like.
Claims use since June 12, 1935.

CLASS 15

Oils and Greases

Ser. No. 386,400. THE BROOKS OIL COMPANY, Cleveland, Ohio. Filed Dec. 7, 1936.

LEADOLENE

For Lubricating Grease.
Claims use since 1931.

Ser. No. 397,583. THE LUBRI-ZOL CORPORATION, Cleveland and Wickliffe, Ohio. Filed Sept. 20, 1937.

LUBRI-ZOL

For Lubricating Oils and Greases, Lubricating Oil Compounds and Motor-Lubricating Oils, Particularly for Diesel Engines.
Claims use since Sept. 10, 1937.

Ser. No. 398,131. SOUTHWEST GREASE & OIL COMPANY, Wichita, Kans. Filed Oct. 4, 1937.

FUN-L-PAK

For Lubrication Grease.
Claims use since Sept. 13, 1937.

CLASS 16

Paints and Painters' Materials

Ser. No. 397,208. WINNER MANUFACTURING CO., INC., Trenton, N. J. Filed Sept. 7, 1937.

HYDROCYL

For Plain and Decorative Surface Coating and Sealing Material in Liquid Form in the Nature of a Cellulosic Lacquer.
Claims use since Aug. 25, 1937.

Ser. No. 398,658. BECK, KOLLER & Co., INC., Detroit and Ferndale Station, Detroit, Mich. Filed Oct. 19, 1937.

BECKAMINE

For Synthetic Resin for Use in Paints, Varnishes, Enamels, Lacquers, and the Like.
Claims use since Oct. 1, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 396,359. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 13, 1937.

DELCO

For Vehicle Instrument Panels, Shock Absorbers, Brakes, Brake Drums, Shoes, Cylinders, Pistons, Piston Discs, Diaphragms, Pedals, Connecting Rods and Springs, Vehicle Springs, Windshield Wipers, and Independent Front End Suspensions.
Claims use since June 9, 1928.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 389,007. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn. Filed Feb. 17, 1937.

H & H

For Electrical Circuit Breakers, Switches, Fuses, Fuse Plug Cut Outs, Bases, Outlet Box and Housings, Recep-

tacles, Sockets, Socket Keys, Attachment Plugs, Adapters, Warning Lights Including Electric Incandescent Lamps, Hoods for Said Lamps and Glass "Jewels" for Said Lamps, Wall Plates, Wall Brackets, Shade Holders for Incandescent Electric Lamps, Electric Cord Sets, Attachment Plug Caps, Antenna Transformers, Coils, Thermal Relays, and Parts and Combinations Thereof.
Claims use since 1906.

Ser. No. 396,893. PARK-SHERMAN CO., Chicago, Ill. Filed Aug. 28, 1937.

INDIRECTO

For Electric Portable Lamps.
Claims use since July 1, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 397,930. BURR D. FIELD, Freeport, Long Island, N. Y. Filed Sept. 29, 1937.



For Game Boards Played with Dice and Ship Figure Pieces Movable Over a Laid Out Course on the Game Board.
Claims use since Sept. 1, 1937.

Ser. No. 398,287. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Oct. 8, 1937.
Applicant disclaims the term "Cuban" apart from the mark itself.

"CUBAN PETE"

For Card Game.
Claims use since Sept. 22, 1937.

Ser. No. 398,664. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Oct. 19, 1937.

BIG BOARD

For Board Games.
Claims use since Apr. 1, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 395,291. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed July 16, 1937.

WELLMASTER

For Pumps and Pumping Apparatus and Parts Thereof for Supplying Water Under Pressure.
Claims use since Apr. 7, 1937.

Ser. No. 398,142. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Oct. 5, 1937.

GEM

For Razors and Hair Removing Devices—Namely, Razors, Razor Blades, Safety Razors, Safety Razor Blades, Safety Razor Sets, Electrically Operated Instruments for Shaving and for Removing Hair from the Body.
Claims use on razors, razor blades, safety razor blades, and safety razor sets since June 1, 1898, and to electrically operated instruments for shaving and removing hair from the body since Sept. 3, 1937.

Ser. No. 398,143. AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Oct. 5, 1937.

GEM-lectric

For Razors and Hair Removing Devices—Namely, Electrically Operated Instruments for Shaving and for Removing Hair from the Body.
Claims use since Sept. 3, 1937.

CLASS 24

Laundry Appliances and Machines

Ser. No. 398,781. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Oct. 21, 1937.



The drawing is lined for orange.
For Electric Ironers.
Claims use since Oct. 12, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 398,194. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 6, 1937.

MIMEOGRAPH

For Lettering.
Claims use since Feb. 26, 1932.

CLASS 27

Horological Instruments

Ser. No. 398,270. WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed Oct. 7, 1937. Under 10-year proviso.

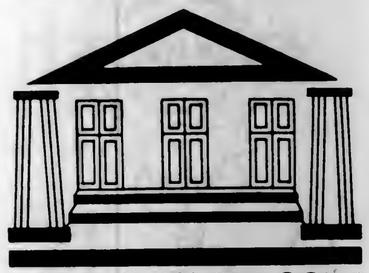
DOT

For Clocks and Watches.
Claims use since Dec. 31, 1887.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 397,512. NEWLAND, SCHNEELOCH & PIEK, INC., New York, N. Y. Filed Sept. 17, 1937.



The word "China" is disclaimed apart from the mark.
For Dishes Made of China and Earthenware.
Claims use since September, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 397,069. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn. Filed Sept. 3, 1937.

AD-ALUMINUM

No claim is made to the word "Aluminum" apart from the mark.
For Condenser-Tubes of Non-Ferrous Metal.
Claims use since Sept. 5, 1936.

Ser. No. 397,403. E. A. LABORATORIES, INC., Brooklyn, N. Y. Filed Sept. 14, 1937.

EA

For Ventilating, Circulating, and Air Conditioning Fans.
Claims use since Apr. 5, 1920.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 398,289. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Oct. 8, 1937.

RIBGRIPPER

For Pneumatic Tires and Tubes for Vehicle Wheels.
Claims use since Sept. 1, 1937.

CLASS 37

Paper and Stationery

Ser. No. 387,407. SUPREME COUNCIL, ORDER OF THE AMARANTH, Upper Darby, Pa. Filed Jan. 2, 1937.



For Letter Paper and Envelopes.
Claims use since Feb. 2, 1915.

Ser. No. 397,086. JESSE E. REAVIS, doing business as Northern Gum Tape Co., Minneapolis, Minn. Filed Sept. 3, 1937.

RAPINTAPE

For Gummed Paper Tape.
Claims use since July 6, 1937.

Ser. No. 397,575. THE GENERAL MANIFOLD AND PRINTING COMPANY, Franklin, Pa. Filed Sept. 20, 1937.

HECTO MASTER GRAPH

The words "Trade Mark" and "Hecto Graph" are disclaimed apart from the mark.
For Sheets of Paper Partially Coated with Transfer Material.
Claims use since Aug. 31, 1937.

Ser. No. 397,921. ACCO PRODUCTS, INC., Long Island City, N. Y. Filed Sept. 29, 1937.

'L'

For Fasteners and Fastener Bases for Binding Loose Papers Together.
Claims use since June 1, 1926.

Ser. No. 398,336. AIKIN-LAMBERT COMPANY, New York, N. Y. Filed Oct. 11, 1937.

VIS-O-PEN

The word "Pen" is disclaimed apart from the mark.
For Fountain Pens and Parts Thereof.
Claims use since Sept. 20, 1937.

CLASS 38

Prints and Publications

Ser. No. 385,835. THE DENVER AND RIO GRANDE WESTERN RAILROAD COMPANY, Denver, Colo. Filed Nov. 21, 1936.

Thru the Rockies—Not around them

For Booklets or Pamphlets Published from Time to Time.
Claims use since May, 1934.

Ser. No. 394,591. THE DAY PUBLISHING COMPANY, New London, Conn. Filed June 28, 1937.

The New London Day

The words "New London" are disclaimed apart from the mark as shown.
For Daily Newspaper.
Claims use since 1891.

Ser. No. 396,812. GROCER-GRAPHIC, INC., New York, N. Y. Filed Aug. 27, 1937.

GROCER-GRAPHIC

For Monthly Printed Periodical or Trade Paper.
Claims use since Aug. 10, 1937.

Ser. No. 396,883. ARTHUR MURRAY, New York, N. Y. Filed Aug. 28, 1937.

Murray-Go-Round

The word "Murray" is disclaimed except as shown.
For Magazine.
Claims use since Aug. 1, 1933.

Ser. No. 397,392. UNITED FEATURE SYNDICATE, INC., New York, N. Y. Filed Sept. 13, 1937.



The mark comprises the portrait of Pappy, a fictitious character.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Apr. 25, 1937.

Ser. No. 397,651. FASHIONS PREFERRED INC., New York, N. Y. Filed Sept. 22, 1937.

Fashions Preferred

For Publication Featuring Fashions in Women's Wearing Apparel and Published at Irregular Intervals.
Claims use since Feb. 25, 1937.

Ser. No. 397,868. H. J. PRUSSING, JR., doing business as Chicago Buying Sources Co., Chicago, Ill. Filed Sept. 27, 1937.

THE WASH FROCK Buyer

For Directory of Wash Frock Manufacturers, Published Periodically at Varying Intervals.
Claims use since Sept. 3, 1937.

Ser. No. 398,338. THE SEED TRADE REPORTING BUREAU, Chicago, Ill. Filed Oct. 11, 1937.

SEED WORLD

For Periodical Issued Monthly.
Claims use since Aug. 13, 1937.

CLASS 39

Clothing

Ser. No. 384,132. MYERS BROTHERS, Springfield, Ill. Filed Oct. 8, 1936.

Hardi-Tex

For Men's Wearing Apparel, Men's Suits, Top Coats, and Overcoats, and Women's Suits and Coats.
Claims use since June 8, 1936.

Ser. No. 386,541. KAYLON, INC., New York, N. Y. Filed Dec. 9, 1936.

Buddies

For Men's, Women's, and Children's Pajamas.
Claims use since August, 1935.

Ser. No. 390,719. WEISS & SUSSMAN, New York, N. Y. Filed Mar. 30, 1937.

PRE-FURRED CRYSTL SEAL

No claim is made to the words "Pre-Furred" and "Seal" apart from the mark.
For Ladies' Fur Coats Made of Cape Horn Seal.
Claims use since Mar. 17, 1937.

Ser. No. 391,951. DURABLE FURS, INC., New York, N. Y. Filed Apr. 28, 1937.

ENDURA

For Ladies' Fur Coats.
Claims use since Apr. 2, 1937.

Ser. No. 392,106. ROGERS PEET COMPANY, New York, N. Y. Filed Apr. 30, 1937.

Mist

For Men's and Boys' Suits, Overcoats, Hats, Leather, Rubber, and Fabric Shoes, Raincoats, Negligee and Sport Shirts, Collars, Necktles, and Hosiery.
Claims use since Mar. 17, 1913.

Ser. No. 392,293. STYLE GARMENT COMPANY, INC., Los Angeles, Calif. Filed May 4, 1937.



Applicant disclaims the name "California" apart from the mark.
For Ladies' Dresses, Cloaks, Coats, and Suits.
Claims use since May 1, 1936.

Ser. No. 393,030. THE FUR MART OF AMERICA, INC., New York, N. Y. Filed May 20, 1937.



SEAL DYED CONEY

The picture is fanciful. The words "Seal Dyed Coney" are disclaimed except in connection with the mark.
For Dyed Coney Coats, Capes, and Jackets.
Claims use since Jan. 1, 1936.

Ser. No. 395,388. THE ALLEN-A COMPANY, Kenosha, Wis. Filed July 19, 1937.

LIFE GUARD

For Swim Trunks.
Claims use since Feb. 9, 1937.

Ser. No. 396,036. THE HUTCHINS PANTS CO., Cincinnati, Ohio. Filed Aug. 5, 1937.

DUPACO

For Negligee Shirts, Pants, Sweaters, Jackets of Leather and Cloth, Rain Coats, Top Coats, Suits, Caps, Underwear, Belts, Suspenders, and Garters, for the Use of Men.
Claims use since Jan. 1, 1935.

Ser. No. 396,405. JOHNSON CREVELING & CO., Los Angeles, Calif. Filed Aug. 14, 1937.

Siesta

For Pajamas.
Claims use since Aug. 2, 1937.

Ser. No. 396,533. MARTIN FREEDMAN, New York, N. Y. Filed Aug. 18, 1937.

SHIRT-MASTER

Applicant disclaims the word "Shirt" apart from the mark.
For Men's Outer Shirts.
Claims use since Aug. 2, 1937.

Ser. No. 397,005. SOMERS BROS. HAT CO., New York, N. Y. Filed Sept. 1, 1937.



The picture is fanciful. The words "Fit for" and "to wear" are disclaimed apart from the mark.
For Children's and Ladies' Hats.
Claims use since July 27, 1937.

Ser. No. 397,290. LEATHERKRAFT, INC., Minneapolis, Minn. Filed Sept. 10, 1937.

WEATHERMASTER

For Men's, Women's, and Children's Leather Jackets.
Claims use since March, 1931.

Ser. No. 397,329. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Sept. 11, 1937.

Yodler

For Outside Garments Known as Topcoats for Persons Generally.
Claims use since Sept. 3, 1937.

Ser. No. 397,462. SUPOWITZ BROTHERS, Pittsburgh, Pa. Filed Sept. 15, 1937.



The picture is fanciful. The words "Shoes for Men" are disclaimed apart from the mark.
For Men's Shoes Made of Leather.
Claims use since Feb. 1, 1937.

Ser. No. 397,556. SANDESS MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 18, 1937.

SANDESS-MIAMI

No claim is made to the name "Miami" except as shown.
For Boys' Clothing—Namely, Boys' Suits, Short Pants, Knickers, and Long Pants.
Claims use since Sept. 10, 1937.

Ser. No. 397,681. SOHN, OPPENHEIMER & CO., New York, N. Y. Filed Sept. 22, 1937.

ANNAM TEX
SILK

The words "Annam" and "Silk" are disclaimed apart from the mark.
For Men's Trousers Made of Silk Material.
Claims use since Aug. 20, 1937.

Ser. No. 397,691. IRVING STEMPEL & CO. INC., New York, N. Y. Filed Sept. 22, 1937.

Vicki Lester

The name "Vicki Lester" is the name of a fictitious character portrayed by the actress Janet Gaynor in the photoplay "A Star Is Born".
For Ladies' and Misses' Sport and Street Dresses.
Claims use since March, 1937.

Ser. No. 397,755. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Sept. 24, 1937.

Marona

For Corsets.
Claims use since July 1, 1917.

Ser. No. 398,284. LIBERTY FROCK CO., INC., Kansas City, Mo. Filed Oct. 8, 1937.

BIG APPLE

For Women's Clothing—Namely, Dresses, Frocks, and Smocks.
Claims use since Sept. 14, 1937.

Ser. No. 398,294. SEMARIA BROS., INC., New York, N. Y. Filed Oct. 8, 1937.



For Women's Dresses.
Claims use since Oct. 2, 1937.

Ser. No. 398,302. ALTON GARMENT COMPANY, St. Louis, Mo. Filed Oct. 9, 1937.

Ethel Lou

For Ladies' Wash Frocks.
Claims use since Aug. 25, 1937.

Ser. No. 398,382. WASHINGTON C. MCCOY, Birmingham, Ala. Filed Oct. 11, 1937.

Lady-Tel

For Hosiery.
Claims use since May 1, 1937.

Ser. No. 398,416. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Oct. 12, 1937.

MOSSETTE FABRIC

The word "Fabric" is disclaimed apart from the mark.
For Negligee Shirts for Men and Youths.
Claims use since Aug. 23, 1937.

Ser. No. 398,459. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 14, 1937.

HELMSPUN

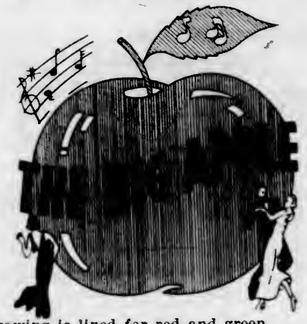
For Sweaters and Vests.
Claims use since Oct. 4, 1937.

Ser. No. 398,547. EDWARD SHUWALL & CO. INC., Pottstown, Pa. Filed Oct. 15, 1937.

Starland FROCKS

Applicant disclaims the word "Frocks".
For Children's Wash Frocks.
Claims use since Sept. 23, 1937.

Ser. No. 398,641. SHERMAN WASH WEAR INC., Chicago, Ill. Filed Oct. 18, 1937.



The drawing is lined for red and green.
For Smocks, Pajamas, Women's and Misses' Dresses, Aprons, and Dress Aprons.
Claims use since July 1, 1937.

Ser. No. 398,652. THE FASHION COMPANY, Columbus, Ohio. Filed Oct. 16, 1937.

Fasco

For Ladies' Hosiery.
Claims use since Jan. 1, 1926.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 395,004. TEXTILE DYEING & PRINTING CO. OF AMERICA, INC., Fair Lawn, N. J. Filed July 8, 1937.

SWANTEX

For Piece Goods of Silk, Rayon, Cotton, Wool, and Combinations Thereof.
Claims use since Dec. 19, 1936.

Ser. No. 397,725. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Filed Sept. 23, 1937.

Rivercool

For Summer Suiting Piece Goods Made of Cotton and also a Combination of Wool and Rayon.
Claims use since Sept. 15, 1937.

Ser. No. 398,145. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Filed Oct. 5, 1937.

Staze-Rite

For Cotton Piece Goods.
Claims use since Sept. 30, 1937.

Ser. No. 398,233. JOSEPH BANCROFT & SONS CO., Wilmington, Del. Filed Oct. 7, 1937.

Banco-Lustre

The word "Lustre" is disclaimed apart from the mark.
For Cotton Piece Goods.
Claims use since Sept. 30, 1937.

Ser. No. 398,597. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England. Filed Oct. 16, 1937.

TEBILIZED

For Piece Goods of Cotton, Linen, and Artificial Silk.
Claims use since May 10, 1934.

Ser. No. 398,668. CRANSTON PRINT WORKS COMPANY, Cranston, R. I. Filed Oct. 19, 1937.

Swaderoy

For Cotton Piece Goods.
Claims use since Aug. 25, 1937.

CLASS 44

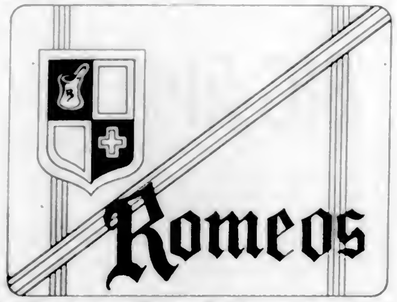
Dental, Medical, and Surgical Appliances

Ser. No. 394,299. THE OHIO TRUSS COMPANY, Cincinnati, Ohio. Filed June 19, 1937.

"ADJUSTO"

For Trusses and Truss Pads.
Claims use since Jan. 2, 1929.

Ser. No. 396,527. ARONAR PRODUCTS CO., San Francisco, Calif. Filed Aug. 18, 1937.



For Prophylactic Rubber Parchment Articles for the Prevention of Contagious Diseases.
Claims use since April, 1935.

Ser. No. 397,993. ARDEN-RAYSHINE COMPANY, Watertown, Mass. Filed Oct. 1, 1937.

CASTEX

For Material for Making Coaptation Bandages and Splints.
Claims use since Sept. 28, 1937.

Ser. No. 398,111. THE KILLIAN MANUFACTURING COMPANY, Akron, Ohio. Filed Oct. 4, 1937.



For Prophylactic Rubber Articles for the Prevention of Disease.
Claims use since July 16, 1935.

Ser. No. 398,130. L. E. SHUNK LATEX PRODUCTS, INC., Akron, Ohio. Filed Oct. 4, 1937.



The drawing is lined for green and orange.
For Prophylactic Rubber Articles for the Prevention of Disease.
Claims use since January, 1932.

Ser. No. 398,181. ULTRAD PRODUCTS, INC., Boston, Mass. Filed Oct. 5, 1937.

ULTRAD

For Therapeutic Lamps.
Claims use since Apr. 22, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 398,751. BERKELEY CLUB BOTTLING AND MANUFACTURING CO., INC., Berkeley Springs, W. Va. Filed Oct. 21, 1937.



For Nonalcoholic, Non-cereal, Maltless Beverages Sold as Soft Drinks, and for Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since Oct. 9, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 381,322. PACKARD MILLING COMPANY, Custer, Okla. Filed July 22, 1936.



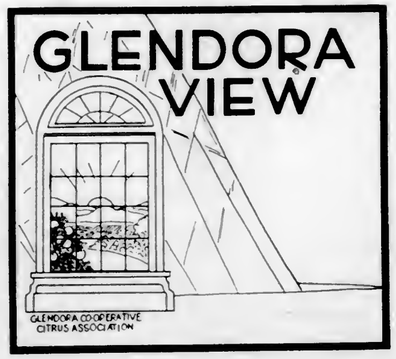
The word "Best" is disclaimed apart from the mark.
For Non-Self-Rising Wheat Flour for Making Bread.
Claims use since Mar. 1, 1933.

Ser. No. 382,767. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Aug. 31, 1936.

BEL-DINE

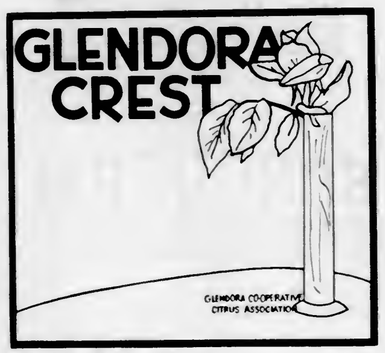
For Canned Vegetables, Canned Fruits, Canned Fish, Canned Vienna Sausage, Fruit Preserves, Salad Dressing, Pickle Relish, Mustard, Tomato Catsup, Canned Pork and Beans, Coffee, Cocoa, Tea, Spices, Olive Oil, Wheat Flour, and Food Flavoring Extracts.
Claims use since June 15, 1935.

Ser. No. 391,758. GLENDORA CO-OPERATIVE CITRUS ASSN., Glendora, Calif. Filed Apr. 23, 1937.



The name "Glendora" is disclaimed apart from the mark.
For Fresh Citrus Fruit.
Claims use since May 25, 1931.

Ser. No. 391,759. GLENDORA CO-OPERATIVE CITRUS ASSN., Glendora, Calif. Filed Apr. 23, 1937.



No claim is made to the name "Glendora" apart from the mark.
For Fresh Citrus Fruit.
Claims use since May 13, 1931.

Ser. No. 393,658. JOE LOWE CORPORATION, New York, N. Y. Filed June 4, 1937.



For Frozen Confections.
Claims use since May 18, 1937.

Ser. No. 393,982. J. J. GIELOW & SONS, INC., Detroit, Mich. Filed June 12, 1937.

Aunt Jane's

The portrait is fanciful.

For Canned Fruits—Namely, Apricots, Cherries, Peaches, Pears, Plums, Grapefruit, Pineapple, Tomatoes, Canned Vegetables—Namely, Asparagus, Green Beans, Lima Beans, Kidney Beans, Beets, Corn, Carrots, Peas and Carrots, Succotash, Spinach, Wax Beans, Refugee Beans, Pumpkin, Mixed Vegetables, Peas; Cranberry Sauce, Food Flavoring Extracts, Canned Fruit Cocktail, French Dressing, Hominy, Jelly, Olives, Olive Oil, Pancake Syrup, Sandwich Spread, Salad Dressing, Spices, Grapefruit Juice for Food Purposes, Tomato Juice for Food Purposes, Noodles, Canned Apple Sauce, Pineapple Juice for Food Purposes, Apple Butter, Coffee, Chili Sauce, Mincemeat, Orange Marmalade, Pectin Compound for Making Jams and Jellies.

Claims use since 1922.

Ser. No. 395,970. RUTHERFORD FOOD CORPORATION, Kansas City, Mo. Filed Aug. 3, 1937.

TEXTANG

For Chile Con Carne, Tamales.

Claims use since Mar. 15, 1937.

Ser. No. 396,969. THE SANODERM COMPANY, INC., New York, N. Y. Filed Aug. 31, 1937.

SANODERM

For Cultured Milk Food Product Having a Beneficial Dietetic Effect.

Claims use since June 15, 1937.

Ser. No. 397,049. PALMETTO CANNING CO., Palmetto, Fla. Filed Sept. 2, 1937.

TAMIAMI

For Canned Fruits, Canned Vegetables, Tomato Juice, Canned Fruit Juices for Food Purposes, Jellies, and Marmalade.

Claims use since Jan. 1, 1937.

Ser. No. 397,271. GERTRUDE ANNE VINER, doing business under the name Scotch Products, Forestville, Conn. Filed Sept. 9, 1937.

CORONATION

For Marmalades.

Claims use since Apr. 29, 1937.

Ser. No. 397,276. BOZEMAN CANNING COMPANY, Mount Vernon, Wash. Filed Sept. 10, 1937.

Bozeman's BIG P'S

The words "Bozeman's" and "Big P's" are disclaimed apart from the mark.

For Canned Peas.

Claims use since June 28, 1937.

Ser. No. 397,509. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla. Filed Sept. 17, 1937.

MERRY XMAS

For Fresh Citrus Fruits.

Claims use since December, 1933.

Ser. No. 397,584. RUSSELL T. LUND, doing business as Red E. Popcorn Company, Los Angeles, Calif. Filed Sept. 20, 1937.

RED E POPT Popcorn

No claim is made to the colored background or to the words "Popcorn" and "Popt" apart from the mark.

For Popped Corn.

Claims use since June 24, 1937.

Ser. No. 397,655. B. FISCHER & COMPANY, INC., New York, N. Y. Filed Sept. 22, 1937.

MINSTREL BOY

For Coffee, Tea, Spices, and Rice.

Claims use since July 1, 1937.

Ser. No. 397,747. BORDO PRODUCTS COMPANY, Chicago, Ill. Filed Sept. 24, 1937.

TEXAS CLUB

The word "Texas" is disclaimed apart from the mark.

For Canned Grapefruit Juice for Food Purposes.

Claims use since Aug. 20, 1937.

Ser. No. 397,749. JAMES DENARO, doing business as Automatic Cone Company, Cambridge, Mass. Filed Sept. 24, 1937.

BANAROY

For Edible Pastry Containers Intended to Receive a Filler of Ice Cream, Marshmallow, Custard, Fruit, or Confection.

Claims use since May 15, 1933.

Ser. No. 397,899. DELGADO & BRUCE, INC., Long Beach, Calif. Filed Sept. 28, 1937.

CALIFORNIA GOLD



The name "California" is disclaimed apart from the mark.

For Honey.

Claims use since Oct. 1, 1934.

Ser. No. 397,916. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Sept. 28, 1937.



The colors red, blue, green, yellow, brown, orange, and gray as used in the dress Stuart Scotch plaid are claimed as features of the mark.

The colors yellow for the dish, orange and white for the contents, and blue for the circular background are used and claimed as features of the mark.

For Pudding and Pie Filling.

Claims use since July 16, 1937.

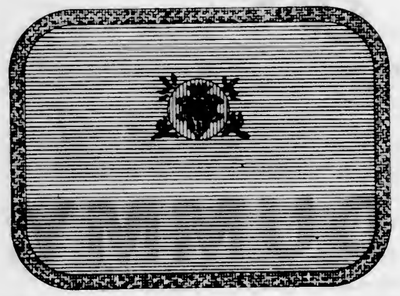
Ser. No. 397,954. SCHUCKL & CO., INC., San Francisco, Calif. Filed Sept. 29, 1937.

Punch

For Canned Fruits and Vegetables.

Claims use on canned fruit since September, 1928, and on canned vegetables since August, 1937.

Ser. No. 398,013. R. H. MACY & CO., INC., New York, N. Y. Filed Oct. 1, 1937.



The drawing is lined for gold, blue, and red. The representation of the label is disclaimed per se.

For Canned Sardines.

Claims use since November, 1925.

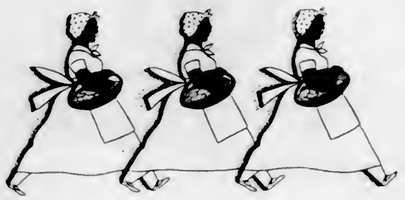
Ser. No. 398,162. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Filed Oct. 5, 1937.

JACK RABBIT

For Lard Substitute Composed of Vegetable Oils.

Claims use since Feb. 5, 1914.

Ser. No. 398,358. JACOBS CANDY COMPANY, INC., New Orleans, La. Filed October 11, 1937.



For Candy.

Claims use since Aug. 5, 1937.

Ser. No. 398,477. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Oct. 14, 1937.

SUNSHINE RUGBY

For Biscuits, Crackers, Cakes, and Cookies.
Claims use since July 1, 1937.

Ser. No. 398,536. GORDON, WOLF, COWEN CO. INC., New York, N. Y. Filed Oct. 15, 1937.

CRESCENT

For Sweetmeat Known as Halvah.
Claims use since Sept. 20, 1936.

Ser. No. 398,741. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 20, 1937.

DUMMY

For Coffee.
Claims use since Oct. 6, 1937.

CLASS 47

Wines

Ser. No. 382,527. ROMA WINE COMPANY, INC., Lodi, Calif. Filed Aug. 24, 1936.

SUN-COOKED

For Wines.
Claims use since Aug. 4, 1936.

Ser. No. 394,335. ERROL MACBOYLE, Santa Rosa, Calif. Filed June 21, 1937.

PURITAS

Fountaingrove

No claim is made to the word "Puritas" apart from the mark.
For California Varieties of White and Red Wines, Port, Sherry, Muscatel, and Other California Sweet Wines.
Claims use since 1873.

Ser. No. 396,832. THE PLEASANT VALLEY WINE COMPANY, Rheims, N. Y. Filed Aug. 27, 1937. Under 10-year proviso.

PLEASANT VALLEY

For Wines.
Claims use since Mar. 23, 1878.

CLASS 48

Malt Beverages and Liquors

Ser. No. 389,401. ATLAS BREWING COMPANY, Chicago, Ill. Filed Feb. 26, 1937.

Prager
SLOW-BREWED

Applicant disclaims "Prager" and "Slow-Brewed" apart from the mark.
For Beer and Ale.
Claims use since Feb. 7, 1936.

Ser. No. 391,176. CHESTER BREWERY, INC., Chester, Pa. Filed Apr. 10, 1937.

SILVER DIME

The word "Dime" is disclaimed apart from the mark.
For Beer and Ale.
Claims use since Apr. 6, 1937.

Ser. No. 398,508. THE GEO. WIEDEMANN BREWING CO., INC., Newport, Ky. Filed Oct. 14, 1937. Under 10-year proviso.

WIEDEMANN

For Beer.
Claims use since Jan. 1, 1882.

Ser. No. 398,638. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Filed Oct. 18, 1937.



The mark consists of three blue bands separated by relatively narrow white stripes.
For Beer.
Claims use since Sept. 1, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 397,216. EL LOUVRE, S. A., Willemstad, Curacao, Netherlands West Indies. Filed Sept. 8, 1937.

CURUMÇAO

For Alcoholic Beverage Distilled from Fresh Orange Peel with Rum.
Claims use since December, 1935.

Ser. No. 397,906. MACLEAY DUFF (DISTILLERS) LIMITED, Glasgow, Scotland. Filed Sept. 28, 1937.

DUFF'S

All wording except the names "Duff's" and "Macleay Duff (Distillers) Ltd." is disclaimed apart from the mark.
For Scotch Whisky.
Claims use since Dec. 30, 1926.

Ser. No. 398,618. HINRICHS DISTILLED PRODUCTS, St. Louis, Mo. Filed Oct. 18, 1937.

Hinrichs of Old Saint Louis

"St. Louis" is disclaimed apart from the mark.
For Apricot Liqueur, Blackberry Liqueur, Cherry Liqueur, Peach Liqueur, Lemon Flavored Gin, Lime Flavored Gin, Mint Flavored Gin, Orange Flavored Gin, Rock and Rye Liqueur, Distilled London Dry Gin, and Sloe Gin.
Claims use since June 18, 1937.

Ser. No. 398,686. MAXWELL SPIRITS INC., Philadelphia, Pa. Filed Oct. 19, 1937.

LANE STREET

For Distilled London Dry Gin.
Claims use since Aug. 31, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 385,241. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Nov. 6, 1936.

NAUGAHYDE

For Upholstery Material, More Specifically a Fabric Base which Has Been Treated with Rubber and Other Substances Producing Artificial Leather.
Claims use since June 26, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 7, 1937

352,547. TOY FIREARMS. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio.
Filed November 17, 1934. Serial No. 358,325. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,548. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 27, 1935. Serial No. 363,044. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,549. FLOUR, PARTICULARLY WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed March 27, 1935. Serial No. 363,046. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,550. CLOTHES WASHING SOAP. GORDON-ALLEN LTD., Oakland, Calif.
Filed June 12, 1935. Serial No. 366,095. PUBLISHED SEPTEMBER 21, 1937. Class 4.

352,551. SHOES CONSTRUCTED OF A COMBINATION OF LEATHER, RUBBER, AND FABRIC. WILKERSON SHOE COMPANY, St. Louis, Mo.
Filed October 26, 1935. Serial No. 370,848. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,552. BAKING POWDER AND A WHIP POWDER FOR MAKING MERINGUES, CREAM ROLL FILLINGS, TOPPINGS WHICH ARE SOLD ONLY IN BULK OR WHOLESALE LOTS IN BARRELS, BOXES, LARGE CONTAINERS, AND THE LIKE TO COMMERCIAL BAKERS. JOE LOWE CORPORATION, New York, N. Y.
Filed March 18, 1936. Serial No. 376,127. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,553. COAL AND COKE. MEYER BELINSON, Buffalo, N. Y.
Filed March 25, 1936. Serial No. 376,373. PUBLISHED NOVEMBER 10, 1936. Class 1.

352,554. HAND-OPERATED ICE CREAM FREEZERS. THE ALASKA FREEZER CO., INC., Winchendon, Mass.
Filed March 30, 1936. Serial No. 376,564. PUBLISHED SEPTEMBER 28, 1937. Class 31.

352,555. GRATED AMERICAN AND PARMESAN CHEESE, MAYONNAISE, MUSTARD, DILL PICKLES, CHICKEN AND NOODLES, AND SPAGHETTI. COTTAGE CLUB FOODS, INC., San Francisco, Calif.
Filed April 25, 1936. Serial No. 377,632. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,556. WINNER SELECTION TICKETS OR FORMS FOR GAMES AND/OR CONTESTS OF SPEED, SKILL, AND/OR CHANCE, SOLD AS SUCH. KENYON F. WILKINSON, San Juan, Tex.
Filed May 22, 1936. Serial No. 378,769. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,557. SUPERFATTED DRY CLEANER, A PRODUCT FOR USE EXCLUSIVELY IN THE DRY CLEANING INDUSTRY. R. R. STREET & CO. INC., Chicago, Ill.
Filed June 1, 1936. Serial No. 379,154. PUBLISHED SEPTEMBER 28, 1937. Class 4.

352,558. RAW SILK. KANEGAFUCHI BOSEKI KABUSHIKI KWAISHA, Tokyo, Japan.
Filed June 3, 1936. Serial No. 379,242. PUBLISHED SEPTEMBER 28, 1937. Class 1.

352,559. RAW SILK. KANEGAFUCHI BOSEKI KABUSHIKI KWAISHA, Tokyo, Japan.
Filed June 3, 1936. Serial No. 379,243. PUBLISHED SEPTEMBER 28, 1937. Class 1.

352,560. RAW SILK. KANEGAFUCHI BOSEKI KABUSHIKI KWAISHA, Tokyo, Japan.
Filed June 3, 1936. Serial No. 379,244. PUBLISHED SEPTEMBER 28, 1937. Class 1.

352,561. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING SAME. LEVIN PHILLIPS, Baltimore, Md.
Filed July 3, 1936. Serial No. 380,588. PUBLISHED SEPTEMBER 1, 1936. Class 45.

352,562. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING SAME. LEVIN PHILLIPS, Baltimore, Md.
Filed July 3, 1936. Serial No. 380,589. PUBLISHED SEPTEMBER 1, 1936. Class 45.

352,563. HOSIERY. BERKSHIRE KNITTING MILLS, Wyomissing, Pa.
Filed July 8, 1936. Serial No. 380,748. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,564. QUARTERLY PUBLICATION DEVOTED TO LEGAL REVIEW AND RELATED SUBJECT MATTER. THEODORE GRANIK, New York, N. Y.
Filed July 9, 1936. Serial No. 380,832. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,565. FLOUR, PARTICULARLY BISCUIT FLOUR AND WHOLE WHEAT FLOUR. GENERAL MILLS, INC., Minneapolis, Minn.
Filed July 25, 1936. Serial No. 381,450. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,566. BEER AND MALT BEVERAGE. THE BRUCKMANN COMPANY, Cincinnati, Ohio.
Filed September 17, 1936. Serial No. 383,346. PUBLISHED SEPTEMBER 28, 1937. Class 48.

352,567. MACARONI FOOD PRODUCTS AND EGG NOODLES. MINNESOTA MACARONI CO., St. Paul, Minn.
Filed September 24, 1936. Serial No. 383,593. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,568. MACHINE PARTS HAVING SELF-LUBRICATING PROPERTIES—NAMELY, PARTS OF SPINNING, WEAVING, AND WINDING MACHINES, PUMPS, ETC. INDUSTRIAL ENGINEERING CORPORATION, Boston, Mass.
Filed October 7, 1936. Serial No. 384,084. PUBLISHED MAY 18, 1937. Class 23.

352,569. BOOK IN THE NATURE OF A GUIDE TO AUTOMOTIVE LUBRICATION AND ACCESSORY INFORMATION PUBLISHED ANNUALLY AND ALSO CHARTS AND PAMPHLETS PUBLISHED AT IRREGULAR INTERVALS. THE CHEK-CHART CORPORATION, Chicago, Ill.
Filed November 6, 1936. Serial No. 385,212. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,570. KRAFT WRAPPING PAPER. SHARP PAPER & SPECIALTY CO. INC., New York, N. Y.
Filed November 21, 1936. Serial No. 385,871. PUBLISHED SEPTEMBER 28, 1937. Class 37.

352,571. RADIATOR UNITS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed December 1 ,1936. Serial No. 386,154. PUBLISHED FEBRUARY 9, 1937. Class 19.

352,572. FUR AND CLOTH GARMENTS—NAMELY, USED AND RECONDITIONED WOMEN'S FUR COATS AND CLOTH COATS. SECURITY STORAGE CO., INC., Baltimore, Md.
Filed December 12, 1936. Serial No. 386,698. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,573. VEGETABLE, GARDEN, FLOWER, FARM, AND FIELD SEEDS. CORNELL SEED COMPANY, St. Louis, Mo.
Filed December 15, 1936. Serial No. 386,771. PUBLISHED SEPTEMBER 28, 1937. Class 1.

352,574. ENDIVES. PIERRE R. SIGNORE, New York, N. Y.
Filed December 22, 1936. Serial No. 387,050. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,575. LEATHER AND CANVAS HAND BAGS, PORTFOLIOS, POCKET-BOOKS, BILL HOLDERS, BRIEF CASES, OVER-NIGHT BAGS, SCHOOL BAGS, SUIT CASES, AND SATCHELS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed December 23, 1936. Serial No. 387,055. PUBLISHED SEPTEMBER 28, 1937. Class 3.

352,576. CIGAR AND CIGARETTE HOLDERS, PIPES AND PIPE CLEANERS, PIPE RACKS, TOBACCO POUCHES, SMOKING PIPES, CIGARETTE CASES, HUMIDORS, AND ASH TRAYS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed December 23, 1936. Serial No. 387,056. PUBLISHED SEPTEMBER 28, 1937. Class 8.

352,577. CHINA TABLE WARE, PORCELAIN TABLE AND KITCHEN WARE, EARTHENWARE TABLE AND KITCHEN WARE, VASES, JARS, CROCKS, AND JUGS. ABRAHAM & STRAUS, INC., Brooklyn, N. Y.
Filed December 23, 1936. Serial No. 387,058. PUBLISHED SEPTEMBER 28, 1937. Class 30.

352,578. WRITING MATERIALS—NAMELY, FOUNTAIN PENS, AND RUBBER ERASERS WITH OR WITHOUT WOOD COVERING, BILLIARD CHALK, CRAYONS, ETC. J. S. STAEDTLER, Nuremberg, Germany.
Filed January 22, 1937. Serial No. 388,076. PUBLISHED SEPTEMBER 28, 1937. Class 37.

352,579. MECHANICAL STOKERS AND AUTOMATIC DRAFT-REGULATING DEVICES FOR STOKERS. FAIRBANKS, MORSE & CO., Chicago, Ill.
Filed January 30, 1937. Serial No. 388,350. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,580. GAME APPARATUS CONSISTING OF TWO PADDLE WHEELS, SAID WHEELS HAVING NUMERICAL AND WORD BEARING INDICIA. JAMES EDWARD NASSER, San Francisco, Calif.
Filed February 9, 1937. Serial No. 388,819. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,581. COTTON AND RAYON PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed February 25, 1937. Serial No. 389,316. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,582. BOND AND WRITING PAPER AND MIMEOGRAPH PAPER. BLAKE, MOFFITT & TOWNE, San Francisco, Calif.
Filed March 1, 1937. Serial No. 389,496. PUBLISHED SEPTEMBER 21, 1937. Class 37.

352,583. COMBINATION BOTTLE HOLDER AND DOOR KNOCKER. MORRIS AARON HALPRIN, Los Angeles, Calif.
Filed March 8, 1937. Serial No. 389,785. PUBLISHED SEPTEMBER 28, 1937. Class 13.

352,584. ABDOMINAL BELTS AND TRUSSES. JULIUS E. HANSEN, doing business as J. E. Hansen Company, Rochester, N. Y.
Filed March 8, 1937. Serial No. 389,786. PUBLISHED SEPTEMBER 28, 1937. Class 44.

352,585. OIL CONTAINERS MADE OF ESPECIALLY TREATED PAPER OR CARDBOARD. MARBON CORPORATION, Chicago, Ill.
Filed Mar. 20, 1937. Serial No. 390,327. PUBLISHED SEPTEMBER 28, 1937. Class 2.

352,586. YEAST EXTRACT PASTE, A VITAMIN FOOD, YEAST FLAKES, A VITAMIN FOOD, CRACKERS, BISCUITS, CONFECTION IN CANDY FORM SWEETENED WITH HONEY OR MALT SUGAR, ETC. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek Mich.
Filed March 24, 1937. Serial No. 390,435. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,587. YEAST EXTRACT PASTE, A VITAMIN FOOD, YEAST FLAKES, A VITAMIN FOOD, CRACKERS, BISCUITS, CONFECTION IN CANDY FORM SWEETENED WITH HONEY OR MALT SUGAR, ETC. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek, Mich.
Filed March 24, 1937. Serial No. 390,437. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,588. MEN'S AND LADIES' HOSIERY AND UNDERWEAR, SUSPENDERS, GARTERS, BELTS IN THE NATURE OF GARMENT SUPPORTERS, LEATHER AND FABRIC GLOVES, OVERALLS, NECKTIES, DRESS, WORK, AND SPORT SHIRTS, SWEATERS, MUFFLERS, HANDKERCHIEFS, PAJAMAS, NIGHTGOWNS, AND APRONS. PHILIP LEVENTHAL & SONS, New York, N. Y.
Filed March 26, 1937. Serial No. 390,549. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,589. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR ANY COMBINATION OF THESE MATERIALS. A. H. GEUTING, Philadelphia, Pa.
Filed March 29, 1937. Serial No. 390,645. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,590. CLEANER FOR WHITE SHOES, BELTS, HAND BAGS, AND THE LIKE. BUCK-O CLEANER CO., Marshalltown, Iowa.
Filed April 1, 1937. Serial No. 390,777. PUBLISHED SEPTEMBER 21, 1937. Class 4.

352,591. PRINTED TAGS AND LABELS. TAGCRAFT CORPORATION, Lancaster, Pa.
Filed April 3, 1937. Serial No. 390,941. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,592. PORTABLE AND BUILT IN PLACE SAFES, SAFETY CABINETS, BANK VAULTS AND SAFES, ETC. THE MOSLER SAFE CO., Hamilton, Ohio., doing business as The Mosler Lock Co., Covington, Ky.
Filed April 7, 1937. Serial No. 391,029. PUBLISHED SEPTEMBER 28, 1937. Class 25.

352,593. CLEANING PREPARATION HAVING INCIDENTAL PROPERTIES AS A DISINFECTANT, INSECTICIDE, AND GERMICIDE. THEODORE J. BOWES, doing business as Bowes Products Company, Passaic, N. J.
Filed April 10, 1937. Serial No. 391,171. PUBLISHED SEPTEMBER 28, 1937. Class 4.

352,594. RADIO RECEIVING SETS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed April 17, 1937. Serial No. 391,449. PUBLISHED JULY 13, 1937. Class 21.

352,595. CHARTS WHICH INDICATE THE BEST TIMES OF EACH DAY AND DAYS OF THE MONTH FOR FISHING IN ANY LOCALITY IN THE UNITED STATES AND CANADA. FAY S. LYLE, doing business as Scientific Fishermen's Association, Cincinnati, Ohio.
Filed April 26, 1937. Serial No. 391,874. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,596. HATS AND CAPS FOR MEN, WOMEN, BOYS, GIRLS, AND CHILDREN. PORTIS BROS. HAT CO., Chicago, Ill.
Filed April 26, 1937. Serial No. 391,883. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,597. HATS AND CAPS FOR MEN AND BOYS. PORTIS BROS. HAT CO., Chicago, Ill.
Filed April 26, 1937. Serial No. 391,884. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,598. LIQUID AND SOLID FUEL LANTERNS REPLACEMENT GLASSES AND OTHER LANTERN PARTS. HERMANN NIER, Belerfeld, Germany.
Filed April 29, 1937. Serial No. 392,029. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,599. NEWSPAPER CARTOONS PUBLISHED IN A CONTINUING SERIES. JOSEPH N. CIRONE, Brooklyn, N. Y.
Filed April 30, 1937. Serial No. 392,085. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,600. HEALTH COLUMN AND ARTICLES FOR PUBLICATION PERTAINING TO SUBJECTS ON MEDICINE AND HEALTH. ROBERT D. HAIRE, Roswell, N. Mex.
Filed May 4, 1937. Serial No. 392,274. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,601. WATER-COOLED TRAY ESPECIALLY DESIGNED TO HOLD HYDRO-COLLOID MATERIALS WITH WHICH IMPRESSIONS ARE TAKEN FOR DENTAL RESTORATIONS. COE LABORATORIES, INC., Chicago, Ill.
Filed May 5, 1937. Serial No. 392,312. PUBLISHED SEPTEMBER 28, 1937. Class 44.

352,602. CHEMICAL FLARES. WILLIAM HENRY LEPERT, doing business as The Southern Signal Company, New Orleans, La.
Filed May 5, 1937. Serial No. 392,327. PUBLISHED SEPTEMBER 28, 1937. Class 9.

352,603. INFANTS' AND CHILDREN'S SLIPS (GERTRUDES), PAJAMAS, BELLYBANDS, SUN SUITS, SLACKS, AND APRONS. ONITA SPECIALTY COMPANY, Brooklyn, N. Y.
Filed May 5, 1937. Serial No. 392,331. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,604. BEDS, DRESSERS, TABLES, CHAIRS, CEDAR CHESTS, CHESTS-OF-DRAWERS, CHEST ROBES, WARDROBES, VANITIES, BENCHES, HIGHBOYS, LOWBOYS, ETC. NORDBY-ROE CORPORATION, Chicago, Ill.
Filed May 7, 1937. Serial No. 392,446. PUBLISHED SEPTEMBER 28, 1937. Class 32.

352,605. DRESSES, OUTER SKIRTS, KIMONOS, APRONS, SCARFS, PAJAMAS, BATH ROBES, GLOVES MADE OF LEATHER, RUBBER, AND FABRIC, OR ANY COMBINATION THEREOF, SWEATERS AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN, DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, COLLARS, CUFFS, AND TROUSERS FOR MEN AND BOYS. D. H. GRANT & CO. INC., New York, N. Y.
Filed May 8, 1937. Serial No. 392,492. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,606. WOMEN'S SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF. GIMBEL BROTHERS, INC., New York, N. Y.
Filed May 10, 1937. Serial No. 392,526. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,607. PUBLICATION, A WEEKLY. MARIZON & ROSENBERG CO., INC., New York, N. Y.
Filed May 11, 1937. Serial No. 392,600. PUBLISHED AUGUST 10, 1937. Class 38.

352,608. WOMEN'S KNITTED APPAREL—NAMELY, UNDERWEAR, HOSIERY, SWEATERS, BATHING SUITS, SUITS, COATS, OUTER AND UNDER SKIRTS, JACKETS, CAPES, MUFFLERS, SCARFS, HATS, AND GLOVES. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed May 17, 1937. Serial No. 392,845. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,609. AUTOMOBILE SEAT COVERS. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed May 22, 1937. Serial No. 393,126. PUBLISHED SEPTEMBER 28, 1937. Class 19.

352,610. WINES. PAUL HENDRICKSON, doing business as Hendrickson's Winery, Los Angeles, Calif.
Filed May 22, 1937. Serial No. 393,129. PUBLISHED SEPTEMBER 28, 1937. Class 47.

352,611. COLA CARBONATED BEVERAGE. MARBERT PRODUCTS, INC., New York, N. Y.
Filed May 22, 1937. Serial No. 393,136. PUBLISHED SEPTEMBER 28, 1937. Class 45.

352,612. FRESH FRUITS AND VEGETABLES—NAMELY, APPLES AND ASPARAGUS. MOJONNIER & SONS, INC., Walla Walla, Wash.
Filed May 22, 1937. Serial No. 393,140. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,613. CROCKERY DOMESTIC HOLLOWWARE. MCCRORY STORES CORPORATION, New York, N. Y.
Filed May 25, 1937. Serial No. 393,223. PUBLISHED SEPTEMBER 28, 1937. Class 30.

352,614. SHEETS AND PILLOW CASES. BUTLER BROTHERS, Chicago, Ill.
Filed May 26, 1937. Serial No. 393,258. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,615. LADIES' DRESSES, OUTER SKIRTS, BLOUSES, SUITS, COATS, CAPES, APRONS, CULOTTES, UNIFORMS FOR NURSES, COOKS, MAIDS, WAITRESSES, MANICURISTS, DEMONSTRATORS, BEAUTICIANS, AND HOUSE USE, UNDERWEAR, SLIPS, PAJAMAS, NEGLIGEES, PANTIES, NIGHTGOWNS, UNDER VESTS, BLOOMERS, BRASSIÈRES, UNION-SUITS, AND HOUSE COATS. STANDARD GARMENT CO. INC., New York, N. Y.
Filed May 29, 1937. Serial No. 393,452. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,616. GRANITE—NAMELY, ROUGH AND SAWED GRANITE, BLUE GRANITE, GREY GRANITE, AND MONUMENTAL GRANITE. OGLESBY GRANITE QUARRIERS, Elberton, Ga.
Filed June 1, 1937. Serial No. 393,500. PUBLISHED SEPTEMBER 21, 1937. Class 1.

352,617. STONE MONUMENTS, STONE MEMORIALS, STONE TABLETS, AND TOMBSTONES. OGLESBY GRANITE QUARRIERS, Elberton, Ga.
Filed June 1, 1937. Serial No. 393,501. PUBLISHED SEPTEMBER 21, 1937. Class 50.

352,618. FUR SKINS. A. H. SCHECHNER & SON, New York, N. Y.
Filed June 1, 1937. Serial No. 393,505. PUBLISHED SEPTEMBER 28, 1937. Class 1.

352,619. CHIMNEY LININGS. CONDENSATION ENGINEERING CORPORATION, Chicago, Ill.
Filed June 3, 1937. Serial No. 393,583. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,620. MEN'S DRESS AND NEGLIGEE SHIRTS, BOYS' SHIRTS, UNDERSHIRTS AND NIGHTSHIRTS, AND PAJAMAS. ARTHUR JAFFE, New York, N. Y.
Filed June 3, 1937. Serial No. 393,676. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,621. WEEKLY PUBLICATION RELATING TO GENERAL BUSINESS AND ADVERTISING. HEARST ENTERPRISES INCORPORATED, New York, N. Y.
Filed June 5, 1937. Serial No. 393,710. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,622. BOILERS FOR HEATING WATER AND GENERATING STEAM FOR DOMESTIC AND COMMERCIAL PURPOSES AND UTILIZING OIL, GAS, OR COAL AS FUEL, ETC. COONEY REFRIGERATION COMPANY, INC., Buffalo, N. Y.
Filed June 8, 1937. Serial No. 393,799. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,623. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER AND FABRIC. PERRIN GLOVE CO. INC., New York and Gloversville, N. Y.
Filed June 15, 1937. Serial No. 394,095. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,624. MEN'S, WOMEN'S, AND CHILDREN'S GLOVES OF LEATHER AND FABRIC. PERRIN GLOVE CO. INC., New York and Gloversville, N. Y.
Filed June 15, 1937. Serial No. 394,096. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,625. PREPARED FLOUR FOR BREAD, CAKES, AND DOUGHNUTS. DOUGHNUT CORPORATION OF AMERICA, New York, N. Y.
Filed June 16, 1937. Serial No. 394,129. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,626. CLOTHING AND ACCESSORIES—NAMELY, FUR COATS, FUR JACKETS, FUR SCARFS, FUR GLOVES, AND FUR MUFFS. SILVERMAN & GREAN, INC., New York, N. Y., assignor to Seymour S. Grean, Manhattan Beach, N. Y.
Filed June 16, 1937. Serial No. 394,147. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,627. PREPARATION FOR CLEANING PORCELAIN, TILE, AND ENAMEL. PAL PRODUCTS CO., INC., Brooklyn, N. Y.
Filed June 18, 1937. Serial No. 394,247. PUBLISHED SEPTEMBER 28, 1937. Class 4.

352,628. DRESSES FOR WOMEN, MISSES, AND CHILDREN. PACIFIC MILLS, Boston and Lawrence, Mass.
Filed June 19, 1937. Serial No. 394,300. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,629. SOAP. ROBINSON BROS. & COMPANY INCORPORATED, Portland, Maine, and Malden, Mass.
Filed June 21, 1937. Serial No. 394,350. PUBLISHED SEPTEMBER 21, 1937. Class 4.

352,630. SHOES OF LEATHER AND TEXTILE MATERIALS. KNIPE BROS. INC., Haverhill, Mass.
Filed June 23, 1937. Serial No. 394,415. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,631. CANDY. THE MACKENZIE CANDY COMPANY, Cleveland, Ohio.
Filed June 24, 1937. Serial No. 394,464. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,632. GARMENT HANGERS. DU CLAIR PRODUCTS CORP., New York, N. Y.
Filed June 25, 1937. Serial No. 394,479. PUBLISHED SEPTEMBER 28, 1937. Class 50.

352,633. AUTOMOBILE SEAT COVERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 25, 1937. Serial No. 394,508. PUBLISHED SEPTEMBER 28, 1937. Class 19.

352,634. AUTOMOBILE SEAT COVERS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed June 25, 1937. Serial No. 394,509. PUBLISHED SEPTEMBER 28, 1937. Class 19.

352,635. BOOTS, SHOES, SANDALS, SLIPPERS MADE OF LEATHER, RUBBER, FABRIC, AND COMPOSITIONS OF THOSE MATERIALS. NU-WAY DISTRIBUTING CO., New York, N. Y.
Filed June 25, 1937. Serial No. 394,518. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,636. TRAILERS FOR AUTOMOBILES. HARRY BRUMPTON, doing business as Brumpton Trailer Manufacturing Company, Portland, Oreg.
Filed June 26, 1937. Serial No. 394,530. PUBLISHED SEPTEMBER 28, 1937. Class 19.

352,637. VEGETABLE SHORTENING. CUDAHY BROTHERS COMPANY, Cudahy, Wis.
Filed June 28, 1937. Serial No. 394,590. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,638. COTTON PIECE GOODS. CHARLES D. MORRIS, New York, N. Y.
Filed June 29, 1937. Serial No. 394,672. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,639. CHILDREN'S DRESSES, RAINCOATS, AND PAJAMAS. CHARLES D. MORRIS, New York, N. Y.
Filed June 29, 1937. Serial No. 394,673. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,640. PREPARATION FOR POLISHING, PRESERVING, AND WATERPROOFING LEATHER SHOES, AUTOMOBILE CANVAS TOPS, LEATHERETTE, LEATHER HAND BAGS, AND OTHER ARTICLES MADE OF LEATHER, AS WELL AS HAVING INCIDENTAL WATERPROOFING, PRESERVING, AND POLISHING PROPERTIES FOR RUBBER AND RUBBER TREATED GOODS. SALVATORE RIZZUTO, doing business as Rubnu Co., Brooklyn, N. Y.
Filed June 29, 1937. Serial No. 394,679. PUBLISHED SEPTEMBER 28, 1937. Class 4.

352,641. OIL BURNERS. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y.
Filed June 30, 1937. Serial No. 394,723. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,642. OIL BURNERS. PETROLEUM HEAT AND POWER COMPANY, New York, N. Y.
Filed June 30, 1937. Serial No. 394,724. PUBLISHED SEPTEMBER 28, 1937. Class 34.

352,643. SHOES OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF THOSE MATERIALS, FOR MEN, WOMEN, AND CHILDREN. MORRIS SHOE CO. INC., New York, N. Y.
Filed July 2, 1937. Serial No. 394,794. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,644. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. MUSEBECK SHOE COMPANY, Danville, Ill.
Filed July 2, 1937. Serial No. 394,795. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,645. MEN'S, WOMEN'S, AND CHILDREN'S HATS AND CAPS. SAMUEL SCHEUER, New York, N. Y.
Filed July 2, 1937. Serial No. 394,806. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,646. AUTOMOBILE SEAT COVERS. FARBER BROS., INC., also doing business as Stay-On Manufacturing Co., Memphis, Tenn.
Filed July 3, 1937. Serial No. 394,834. PUBLISHED SEPTEMBER 28, 1937. Class 19.

352,647. SPECIALLY PREPARED CANNED CONCENTRATED CONDIMENT FOR SEASONING CHILE CON CARNE, TAMALES, AND OTHER MEXICAN STYLE DISHES. RUTHERFORD FOOD CORPORATION, Kansas City, Mo.
Filed July 3, 1937. Serial No. 394,861. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,648. CORSETS AND GIRDLES. BELFIT FOUNDATIONS INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,972. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,649. DRESSES FOR WOMEN AND MISSES. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,982. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,650. LADIES' AND CHILDREN'S UNDERWEAR—NAMELY, SLIPS, SHIRTS, BRASSIÈRES, PANTIES, BLOOMERS, DRAWERS, VESTS, CHEMISES, STEP-INS, BANDEAUX, PETTICOATS, MADE OF SILK, ARTIFICIAL SILK, RAYON, COTTON, WOOL, AND/OR OTHER TEXTILE MATERIALS AND ANY AND ALL COMBINATIONS THEREOF. COLONIAL UNDERGARMENT CO., Boston, Mass.
Filed July 9, 1937. Serial No. 395,021. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,651. EMPTY PAPER CONTAINERS AND CARTONS FOR CANDIES, NUTS, SWEETS, AND SIMILAR PRODUCTS. MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed July 10, 1937. Serial No. 395,073. PUBLISHED SEPTEMBER 7, 1937. Class 2.

352,652. RAYON PIECE GOODS. A. M. PERLMAN INC., New York, N. Y.
Filed July 10, 1937. Serial No. 395,086. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,653. STOVE POLISH, PORCELAIN CLEANER, SHOE CLEANER AND POLISH, CHROMIUM AND METAL POLISH, WALL PAPER CLEANER, ETC. MIDWAY CHEMICAL CO., Chicago, Ill.
Filed July 12, 1937. Serial No. 395,139. PUBLISHED SEPTEMBER 21, 1937. Class 4.

352,654. BI-MONTHLY PERIODICAL. NATIONAL TRAILWAYS SYSTEM, Chicago, Ill.
Filed July 12, 1937. Serial No. 395,142. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,655. MAGAZINE PUBLISHED BI-WEEKLY. CHILTON COMPANY, New York, N. Y.
Filed July 13, 1937. Serial No. 395,166. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,656. INGREDIENT FOR DOG FOOD CONSISTING OF CORN CEREAL AND CORN SUGAR MOLASSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed July 13, 1937. Serial No. 395,168. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,657. GIRDLES, CORSETS, AND BRASSIÈRES, AND COMBINATIONS THEREOF. BONZETTE FOUNDATIONS, INC., New York, N. Y.
Filed July 14, 1937. Serial No. 395,186. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,658. UNDERGARMENTS—NAMELY, CHEMISES, PANTIES, NIGHTGOWNS, PAJAMAS, SLIPS, BRASSIÈRES, NEGLIGEES, AND CORSETS. GARFINKEL & RITTER, New York, N. Y.
Filed July 14, 1937. Serial No. 395,192. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,659. MUSKRAT FUR COATS FOR WOMEN. PODHOUSER & HOLLINGER, New York, N. Y.
Filed July 14, 1937. Serial No. 395,202. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,660. ELASTIC FABRICS IN THE PIECE AND WIDE ELASTIC FABRICS. CLAUS A. COSMAN, New York, N. Y.
Filed July 15, 1937. Serial No. 395,222. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,661. ART CARVINGS, ART AND DECORATIVE PLAQUES, BASES FOR STATUETTES, BOOT AND SHOE TREES, FLAG POLE ORNAMENTS, ETC. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,268. PUBLISHED SEPTEMBER 28, 1937. Class 50.

352,662. WOMEN'S SHOES OF LEATHER AND FABRIC AND A COMBINATION OF THESE MATERIALS. CRITTENDEN BOOTERY CO., Portsmouth, Ohio.
Filed July 16, 1937. Serial No. 395,287. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,663. BEER. INDEPENDENT MILWAUKEE BREWERY, Milwaukee, Wis.
Filed July 16, 1937. Serial No. 395,296. PUBLISHED SEPTEMBER 28, 1937. Class 48.

352,664. MEN'S SUSPENDERS OR BRACES FOR SUPPORTING TROUSERS. SWANK PRODUCTS, INC., Attleboro, Mass.
Filed July 17, 1937. Serial No. 395,362. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,665. SUEDE PIECE GOODS. ALADDIN KNITTING CO., INC., New York, N. Y.
Filed July 19, 1937. Serial No. 395,387. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,666. NONALCOHOLIC FRUIT EXTRACTS FOR BEVERAGE PURPOSES. J. J. GIELOW & SONS, INC., Detroit, Mich.
Filed July 19, 1937. Serial No. 395,409. PUBLISHED SEPTEMBER 28, 1937. Class 45.

352,667. MISSES' AND CHILDREN'S CLOTHING—NAMELY, COATS, DRESSES, SWEATERS, KNITTED SACKS, BLOUSES, OUTER SKIRTS, UNDERWEAR; KNITTED, FABRIC, OR LEATHER GLOVES AND MITTENS; HATS; SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF; BATHING SUITS; AND HOSIERY. THE GOLDEN RULE, St. Paul, Minn.
Filed July 19, 1937. Serial No. 395,411. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,668. LADIES' UNDERGARMENTS—NAMELY, PANTIES, GIRDLES, AND SLIPS. IMPERIAL MANUFACTURING CO., New York, N. Y.
Filed July 19, 1937. Serial No. 395,414. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,669. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOP COATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENEMAN, INC., Baltimore, Md.
Filed July 21, 1937. Serial No. 395,486. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,670. LACE BY THE YARD, PIECE, OR BOLT CONTAINING RUBBER OR ELASTIC. ACME TEXTILES INC., New York, N. Y.
Filed July 20, 1937. Serial No. 395,501. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,671. PAINT BRUSHES. BAKER BRUSH CO., INC., New York, N. Y.
Filed July 20, 1937. Serial No. 395,502. PUBLISHED SEPTEMBER 28, 1937. Class 29.

352,672. CLOTHING FOR WOMEN—NAMELY, LADIES' AND MISSES' COATS, SUITS, DRESSES, GOWNS, THE SAME BEING MADE OF COTTON, WOOL, WORSTEDS, COMBINATION OF COTTON, WOOL OR WORSTEDS, SILK, SATIN, KNIT GOODS, AND RAYON. BARKIN-LEVIN & CO. INC., New York, N. Y.
Filed July 21, 1937. Serial No. 395,503. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,673. BOARD GAMES PLAYED WITH MOVABLE PIECES. PLAY-TIME, INC., Cleveland, Ohio.
Filed July 21, 1937. Serial No. 395,506. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,674. BOARD GAME PLAYED WITH MOVABLE PIECES. PLAY-TIME, INC., Cleveland, Ohio.
Filed July 21, 1937. Serial No. 395,507. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,675. TRANSPARENT WEARING APPAREL—NAMELY, RAIN SUITS, RAIN JACKETS, RAIN SKIRTS, GOLF JACKETS, GOLF SLACKS, RAIN CAPES, RAIN COATS, AND TEA APRONS. A. L. SIEGEL CO., INC., New York, N. Y.
Filed July 21, 1937. Serial No. 395,510. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,676. SHEETS AND PILLOW CASES. CHATHAM MANUFACTURING COMPANY, Winston-Salem, N. C.
Filed July 23, 1937. Serial No. 395,563. PUBLISHED SEPTEMBER 28, 1937. Class 42.

352,677. TRADE PAPER. THE REUBEN H. DONNELLEY CORPORATION, New York, N. Y., and Chicago, Ill.
Filed July 23, 1937. Serial No. 395,565. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,678. BALL SPINNING GAMES WHEREIN BALLS ARE PROJECTED ONTO THE SURFACE OF A ROTATING DISC ELECTRICALLY DRIVEN WITHIN A HOUSING AND THE BALLS FINALLY DROPPING THROUGH APERTURES IN SAID DISC. ROYAL AMUSEMENT COMPANY, Los Angeles, Calif.
Filed July 23, 1937. Serial No. 395,594. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,679. WOMEN'S, MISSES', YOUNG LADIES', GIRLS' AND CHILDREN'S BEACH DRESSES, BEACH ROBES, SPORT DRESSES AND SUITS, PLAY DRESSES, PLAY BLOUSES AND SHORTS, PLAY SUITS, WASH FROCKS, HOUSE DRESSES, DRESSES, SUITS, AND SMOCKS. U-WAN-A WASH FROCKS, INC., New York, N. Y.
Filed July 23, 1937. Serial No. 395,598. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,680. WOMEN'S AND MISSES' HATS. FOREMOST HAT CO. INC., New York, N. Y.
Filed July 24, 1937. Serial No. 395,614. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,681. PERIODICAL PUBLICATION. SALESMEN'S LEAGUE OF AMERICA, INC., New York, N. Y.
Filed July 24, 1937. Serial No. 395,630. PUBLISHED SEPTEMBER 21, 1937. Class 38.

352,682. TWINE MADE IN WHOLE OR IN PART OF COTTON FIBRE. CARTER, RICE & COMPANY, Boston, Mass.
Filed July 26, 1937. Serial No. 395,636. PUBLISHED SEPTEMBER 28, 1937. Class 7.

352,683. POULTRY FEED. HALES & HUNTER CO., Chicago, Ill.
Filed July 26, 1937. Serial No. 395,643. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,684. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. SEYMOUR TROY, INCORPORATED, New York, N. Y.
Filed July 26, 1937. Serial No. 395,658. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,685. MEN'S AND BOYS' TOP COATS, OVER COATS, AND SUITS COMPRISING COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed July 27, 1937. Serial No. 395,670. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,686. CHEMISES, PANTIES, NIGHT-GOWNS, PAJAMAS, SLIPS, BRASSIÈRES, NEGLIGEES, AND CORSETS. GARFINKEL & RITTER, New York, N. Y.
Filed July 28, 1937. Serial No. 395,708. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,687. UNDERGARMENTS—NAMELY, CHEMISES, PANTIES, NIGHT-GOWNS, PAJAMAS, SLIPS, BRASSIÈRES, NEGLIGEES, AND CORSETS. GARFINKEL & RITTER, New York, N. Y.
Filed July 28, 1937. Serial No. 395,709. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,688. UNDERGARMENTS—NAMELY, CHEMISES, PANTIES, NIGHT-GOWNS, PAJAMAS, SLIPS, BRASSIÈRES, NEGLIGEES, AND CORSETS. GARFINKEL & RITTER, New York, N. Y.
Filed July 28, 1937. Serial No. 395,710. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,689. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed July 29, 1937. Serial No. 395,733. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,690. BANDEAUX AND BRASSIÈRES. LEWEL MFG. CO., INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,734. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,691. BANDEAUX AND BRASSIÈRES. LEWEL MFG. CO., INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,735. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,692. BANDEAUX AND BRASSIÈRES. LEWEL MFG. CO., INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,736. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,693. WOMEN'S TWIN SWEATER SETS, POLO SHIRTS, SWEATERS (PULLOVERS), COAT SWEATERS, SKI PANTS, SKI SUITS, CAMPUS JACKETS, ETC. GOLDBLATT BROS. INC., Chicago, Ill.
Filed July 29, 1937. Serial No. 395,756. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,694. LIME AND FERTILIZER SPREADERS. CHARLES A. MOSGROVE, doing business as New Way Spreader Company, Mansfield, Ill.
Filed July 29, 1937. Serial No. 395,762. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,695. RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed July 26, 1937. Serial No. 395,794. PUBLISHED SEPTEMBER 28, 1937. Class 21.

352,696. STAPLING MACHINES USED FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC. TOGETHER, ALSO FOR FASTENING PAPERS, CARDBOARD, FABRICS, METAL, ETC., ONTO WOOD, ETC. MARKWELL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed July 28, 1937. Serial No. 395,796. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,697. WALL PAPER CLEANER. THE CLEVELAND CLEANER AND PASTE COMPANY, Cleveland, Ohio.
Filed July 30, 1937. Serial No. 395,814. PUBLISHED SEPTEMBER 21, 1937. Class 4.

352,698. BRASSIÈRES AND GIRDLES. THE GLUCKIN CORP., New York, N. Y.
Filed July 30, 1937. Serial No. 395,822. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,699. (WITHDRAWN.)

352,700. MILK SEPARATORS, POTATO ROOTERS, KNEADING, BLENDING, AND MIXING MACHINES. JOHANNA KEMPER, Neuenkirchen Kreis Wiedenbruck, Westphalia, Germany.
Filed July 31, 1937. Serial No. 395,869. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,701. SPECIALLY PREPARED MILK FOOD FOR INFANT FEEDING. NESTLE'S MILK PRODUCTS, INC., New York, N. Y.
Filed July 31, 1937. Serial No. 395,875. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,702. SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF, FOR WOMEN AND GIRLS. RASMUSSEN SHOE COMPANY, Westboro, Mass.
Filed July 31, 1937. Serial No. 395,881. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,703. ELECTRICAL INSULATORS AND PARTS THEREOF. THE TRUMBULL ELECTRIC MANUFACTURING COMPANY, Plainville, Conn.
Filed July 31, 1937. Serial No. 395,886. PUBLISHED SEPTEMBER 28, 1937. Class 21.

352,704. WIRE BENDING AND CUTTING MACHINES. ECONOMY TOOL MACHINE CO., Muskegon Heights, Mich.
Filed August 2, 1937. Serial No. 395,908. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,705. CARD GAMES AND BOARD GAMES PLAYED WITH MOVABLE PIECES. KUATRO SALES, Seattle, Wash.
Filed August 2, 1937. Serial No. 395,919. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,706. BOXES, BAGS, CONTAINERS, AND CARTONS MADE OF WOOD, FIBER, CARDBOARD, METAL, OR PAPER FOR CAKES, PASTRIES, BAKERY GOODS, AND RELATED FOOD PRODUCTS. SHO-WINDOW CO., St. Louis, Mo.
Filed August 2, 1937. Serial No. 395,933. PUBLISHED SEPTEMBER 28, 1937. Class 2.

352,707. LUNCHEON MEATS MADE OF PORK, BEEF, AND COMBINATIONS THEREOF. HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y.
Filed August 3, 1937. Serial No. 395,947. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,708. LENSES FOR SCIENTIFIC USE, PRISMS, REFLECTORS FOR SCIENTIFIC USE, MICROSCOPES, PROJECTING APPARATUS, ETC. CARL ZEISS, Jena, Germany.
Filed August 3, 1937. Serial No. 395,974. PUBLISHED SEPTEMBER 28, 1937. Class 26.

352,709. LADIES' SILK PAJAMAS AND SILK UNDERWEAR—NAMELY, SLIPS, NIGHTGOWNS, PANTIES, AND CHEMISES. FISCHER & CO., INC., New York, N. Y.
Filed August 4, 1937. Serial No. 395,986. PUBLISHED SEPTEMBER 28, 1937. Class 39.

352,710. SUBSCRIBERS' TELEPHONE SETS, OPERATOR'S TELEPHONE SETS, HAND TELEPHONES. KELLOGG SWITCHBOARD & SUPPLY CO., Chicago, Ill.
Filed August 4, 1937. Serial No. 395,996. PUBLISHED SEPTEMBER 28, 1937. Class 21.

352,711. FLOOR BRUSHES, BARBER BRUSHES, SHAVING BRUSHES, PAINTERS' BRUSHES, TWISTED WIRE BRUSHES, TOILET BRUSHES. NOBLE C. TOOPS, doing business as Toops Bros., Chicago, Ill.
Filed August 4, 1937. Serial No. 396,016. PUBLISHED SEPTEMBER 28, 1937. Class 29.

352,712. BUTTER, EGGS, CHEESE, AND STILTON CHEESE WITH PORT WINE. GEORGE EHLENBERGER & CO. INC., New York, N. Y.
Filed August 5, 1937. Serial No. 396,028. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,713. BUTTER. GEORGE EHLENBERGER & CO. INC., New York, N. Y.
Filed August 5, 1937. Serial No. 396,029. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,714. TOILET BOWL CLEANER. THE EXPELLO CORPORATION, Dover, N. H.
Filed August 5, 1937. Serial No. 396,030. PUBLISHED SEPTEMBER 28, 1937. Class 4.

352,715. JEWELERS', WATCHMAKERS', ENGRAVERS', AND OPTICIANS' APPLIANCES—NAMELY, FLEXIBLE SHAFT OUTFIT AND DUST COLLECTOR. SWARTCHILD & COMPANY, Chicago, Ill.
Filed August 5, 1937. Serial No. 396,050. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,716. STORAGE BATTERIES, ELECTRICIAN'S TAPE. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio.
Filed August 6, 1937. Serial No. 396,074. PUBLISHED SEPTEMBER 28, 1937. Class 21.

352,717. CARPET SWEEPERS. STERLING SWEEPER COMPANY, Holland, Mich.
Filed August 9, 1937. Serial No. 396,110. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,718. HYDRAULIC JACKS AND WRENCH SETS. BLACKHAWK MFG. CO., Milwaukee, Wis.
Filed August 9, 1937. Serial No. 396,177. PUBLISHED SEPTEMBER 28, 1937. Class 23.

352,719. BOARD GAME PLAYED WITH NUMBERED PIECES. T. M. ELLIS, JR., doing business as Shekels Advertising Company, Beloit, Wis.
Filed August 9, 1937. Serial No. 396,188. PUBLISHED SEPTEMBER 28, 1937. Class 22.

352,720. PHOTOGRAPHIC FILM. DU PONT FILM MANUFACTURING CORPORATION INC., New York, N. Y.
Filed August 10, 1937. Serial No. 396,227. PUBLISHED SEPTEMBER 28, 1937. Class 26.

352,721. FRESH CITRUS FRUITS. SEABOARD LEMON ASSN., Oxnard, Calif.
Filed August 11, 1937. Serial No. 396,279. PUBLISHED SEPTEMBER 28, 1937. Class 46.

352,722. DRY, PASTE, AND READY MIXED PAINTS, PAINT ENAMELS, AND VARNISHES, AND SYNTHETIC SPAR VEHICLE (A TYPE OF VARNISH IN AN UNFINISHED FORM). VITA VAR CORP., Newark, N. J.
Filed August 13, 1937. Serial No. 396,376. PUBLISHED SEPTEMBER 28, 1937. Class 16.

352,723. REFRIGERATORS. MCCRAY REFRIGERATOR COMPANY, Kendallville, Ind.
Filed August 16, 1937. Serial No. 396,434. PUBLISHED SEPTEMBER 28, 1937. Class 31.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

352,724. (CLASS 39. CLOTHING.) LUDWIG BAUMANN & COMPANY, New York, N. Y. Filed Aug. 29, 1936. Serial No. 382,707.

Glenfield

For Men's Shoes Made of Leather, of Combinations of Leather and Leather Composition, and of Combinations of Leather, Rubber, and Leather Composition, and Men's Slippers Made of Leather, of Fabric, of Combinations of Leather and Fabric, and of Combinations of Leather and Rubber.
Claims use since Aug. 6, 1936.

352,725. (CLASS 39. CLOTHING.) E. R. MOORE COMPANY, Chicago, Ill. Filed Sept. 2, 1936. Serial No. 382,838.

GYMCLOTH

For Gymnasium Suits, Dancing Suits, Sport Bloomers, College Caps and Gowns for Graduation Exercises, and Athletic Shorts and Trunks.
Claims use since July, 1931.

352,726. (CLASS 37. PAPER AND STATIONERY.) DUDLEY H. STILES, doing business as Fingertip System Company, Kansas City, Kans. Filed Aug. 17, 1936. Serial No. 382,294.

fingertip

For Portable Accounting Systems and Supplementary Computing Attachments in the Nature of Ruled and Printed Bookkeeping Sheets, Indexes, Binders for Printed and Ruled Accounting Sheets, and Printed Tables for Determining Totals.
Claims use since Aug. 10, 1936.

352,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. HOFFMAN CO., INC., New York, N. Y. Filed Dec. 31, 1936. Serial No. 387,325.

Badoglio

For Cheese.
Claims use since October, 1936.

352,728. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RUBBERCRAFT CORPORATION OF CALIFORNIA, LTD., Los Angeles, Calif. Filed Dec. 14, 1936. Serial No. 386,743.

Hy-Buoy

For Buoys.
Claims use since Oct. 1, 1935.

352,729. (CLASS 39. CLOTHING.) SIMON MILLINERY CO., San Francisco, Calif. Filed Nov. 14, 1936. Serial No. 385,541.

Hanley

For Ladies' Hats.
Claims use since June 15, 1936.

352,730. (CLASS 11. INKS AND INKING MATERIALS.) LEWIS ROBERTS, Newark, N. J. Filed Sept. 28, 1936. Serial No. 383,750.

Resistall Blue

For Printing Inks.
Claims use since Sept. 10, 1936.

352,731. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937. Serial No. 389,654.

SOFT-BACK

For Abrasive Cloth and Abrasive Paper.
Claims use since December, 1935.

352,732. (CLASS 11. INKS AND INKING MATERIALS.) HENRY BICKING, doing business as Henry Bicking Co., New York, N. Y. Filed Apr. 3, 1937. Serial No. 390,894.

Better Bicking Company

For Carbon Papers, Inked Ribbons, Carbon Paper Rolls, and Duplicating Inks.
Claims use since October, 1936.

352,733. (CLASS 39. CLOTHING.) BROWNING KING & CO. OF NEW YORK, INC., Brooklyn and New York, N. Y. Filed July 1, 1937. Serial No. 394,741.

BROWNING, KING

For Men's, Boys', and Children's Suits; Overcoats; Raincoats; Topcoats; Pants; Knickers; Slacks; Vests; Underwear; Necktles; Socks; Sweaters; Collars; Handkerchiefs; Belts for Outer Wear and in the Nature of Garment Supporters; Dress, Negligee, Work, and Sport Shirts; Pajamas; Hats; Silk, Cotton, Rayon, and Wool Bathrobes and Lounging Robes; Leather, Fabric and Rubber Shoes, and Shoes Made of a Combination of Leather, Fabric, and Rubber; Mufflers; Also Men's and Women's Golf Hose; Golf Socks; Leather Jackets; Corduroy Jackets; Suede Jackets; Gabardine, Wool, and Cotton Slacks; and Polo Shirts.
Claims use since June 26, 1934.

352,734. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y. Filed Oct. 21, 1937. Serial No. 398,750.

MONTERREY

For Lead.
Claims use since June 1, 1935.

TRADE-MARK REGISTRATIONS RENEWED

105,506. COTTON AND WOOL PIECE GOODS. Registered July 27, 1915. CURRICK, LEIKEN & BANDLER. Renewed July 27, 1935, to Currick & Leiken Co. Inc., New York, N. Y., a corporation of New York, assignee.

119,259. STOCK FOOD. Registered November 13, 1917. CHAMPION FEED MILLING COMPANY. Renewed November 13, 1937, to Champion Milling & Grain Company, Clinton, Iowa, a corporation of Iowa, by change of name.

119,332. BEVERAGE BREWED OF MALT AND OTHER CEREALS AND IS NON-ALCOHOLIC. Registered November 13, 1917. S. LIEBMANN'S SONS BREWING COMPANY. Renewed November 13, 1937, to Liebmann Breweries, Inc., Brooklyn, N. Y., a corporation of New York, assignee by mesne assignments.

119,390. COAL-TAR COLORS. Registered November 13, 1917. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed November 13, 1937.

119,391. COAL-TAR COLORS. Registered November 13, 1917. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed November 13, 1937.

119,392. A MEDICINE USED AS HYPNOTIC AND SEDATIVE, ESPECIALLY FOR PRODUCING A TWILIGHT SLEEP DURING LABOR. Registered November 13, 1917. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a corporation of Switzerland. Renewed November 13, 1937.

119,395. SELF-RISING WHEAT-FLOUR. Registered November 13, 1917. SPERRY FLOUR COMPANY, San Francisco, Calif. Renewed November 13, 1937, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

119,542. CERTAIN NAMED MATERIALS FOR ELECTRICAL PURPOSES. Registered November 27, 1917. IRVINGTON VARNISH & INSULATOR COMPANY, Irvington, N. J., a corporation of New Jersey. Renewed November 27, 1937.

119,899. AXES, HATCHETS, SCYTHES, HAMMERS, AND HICKORY HANDLES FOR AXES, HATCHETS, HAMMERS, AND OTHER TOOLS. Registered December 18, 1917. KELLY AXE MANUFACTURING COMPANY, Charleston, W. Va. Renewed December 18, 1937, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

120,003. CANNED VEGETABLES. Registered December 25, 1917. WORDEN GROCER COMPANY, Grand Rapids, Mich. Renewed December 25, 1937, to Lee & Cady, Detroit, Mich., a corporation of Michigan, assignee.

120,032. GLOVES. Registered January 1, 1918. R. H. MACY & Co. Renewed January 1, 1938, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

120,033. HOSIERY. Registered January 1, 1918. R. H. MACY & Co. Renewed January 1, 1938, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

120,056. PENCIL-CLASPS, PEN-CLASPS, PAPER-FASTENERS, AND ENVELOP-MOISTENERS. Registered January 8, 1918. ARGUS MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed January 8, 1938.

120,120. A LIQUID USED AS A DISINFECTANT, STERILIZER, CLEANSER, AND DEODORANT. Registered January 8, 1918. L. SONNEBORN SONS, INC., New York, N. Y., a corporation of Delaware. Renewed January 8, 1938.

120,169. HAM. Registered January 15, 1918. THE CLEVELAND PROVISION COMPANY. Renewed January 15, 1938, to The Lake Erie Provision Company, Cleveland, Ohio, a corporation of Ohio, assignee by mesne assignments.

120,192. BELTING OF RUBBER AND FABRIC. Registered January 15, 1918. THE GUTTA PERCHA & RUBBER MANUFACTURING COMPANY, New York, N. Y. Renewed January 15, 1938, to Hewitt Rubber Corporation, Buffalo, N. Y., a corporation of New York, assignee.

120,275. COATS, VESTS, AND TROUSERS. Registered January 29, 1918. R. H. MACY & Co. Renewed January 29, 1938, to R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York, assignee.

120,343. CERTAIN NAMED ELECTRICAL SUPPLIES. Registered February 5, 1918. CHICAGO FUSE MFG. Co., Chicago, Ill. Renewed February 5, 1938, to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois, by consolidation and change of name.

120,399. KNIT UNDERWEAR AND HOSIERY. Registered February 5, 1918. JULIUS KAYSER & Co., New York, N. Y., a corporation of New York. Renewed February 5, 1938.

120,501. LADIES' KNIT UNDERWEAR—VIZ., UNION-SUITS, KNICKERBOCKERS OR BLOOMERS, VESTS, CHEMISES. Registered February 12, 1918. JULIUS KAYSER & Co., New York, N. Y., a corporation of New York. Renewed February 12, 1938.

120,692. CHEESE. Registered February 26, 1918. OTTO ROTH. Renewed February 26, 1938, to Otto Roth & Co. Inc., New York, N. Y., a corporation of New York, successor.

120,746. PRINTED BOOKS, PERIODICALS, AND CIRCULARS. Registered March 5, 1918. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati, Ohio, a voluntary association. Renewed March 5, 1938.

120,761. ELECTRIC BATTERIES. Registered March 5, 1918. MANHATTAN ELECTRICAL SUPPLY CO., INC. Renewed March 5, 1938, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee.

121,093. A MEDICINAL PREPARATION IN TABLET FORM FOR RELIEF OF COLDS, COUGHS, LA GRIPPE, HEADACHE, AND MALARIA. Registered April 2, 1918. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 2, 1938.

121,139. CERTAIN NAMED FOODS. Registered April 9, 1918. A. H. PERFECT & Co., Fort Wayne, Ind., a corporation of Indiana. Renewed April 9, 1938.

121,412. SWEEPING AND CLEANING COMPOUNDS. Registered April 30, 1918. COTTO-WAXO COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed April 30, 1938.

121,425. CERTAIN NAMED RUBBER ARTICLES. Registered April 30, 1918. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed April 30, 1938.

121,426. CERTAIN NAMED RUBBER ARTICLES. Registered April 30, 1918. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed April 30, 1938.

121,449. COTTON-SEED-OIL SHORTENING. Registered April 30, 1918. INTERSTATE COTTON OIL REFINING Co., Sherman, Tex., a corporation of Delaware. Renewed April 30, 1938.

121,451. BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER. Registered April 30, 1918. K-K SHOE COMPANY. Renewed April 30, 1938, to J. W. & A. P. Howard Company, Corry, Pa., a corporation of Pennsylvania, assignee.

121,455. CORSETS, BRASSIÈRES, AND LADIES' UNDERWAISTS. Registered April 30, 1918. KOPS BROS. Renewed April 30, 1938, to I. B. Kleinert Rubber Company, New York, N. Y., a corporation of New York, assignee.

121,478. CASKET HARDWARE—NAMELY, HANDLES, PLATES, ESCUTCHEONS, AND SCREWS. Registered April 30, 1918. NATIONAL CASKET COMPANY, New York, N. Y. Renewed April 30, 1938, to National Casket Company, Inc., Boston, Mass., a corporation of New York, by change of name.

121,563. MINERAL WATER. Registered May 7, 1918. LOUISE A. PAGE. Renewed May 7, 1938, to James W. Page, Slaterville Springs, N. Y., assignee.

LABELS

REGISTERED DECEMBER 7, 1937

50,429.—*Title:* COWBOY PEPPERMINT GUM. For Peppermint Gum. WILLIS G. EDWARDS, Berkeley, Calif. Published April 7, 1937.

50,430.—*Title:* DOVE BRAND. For Open Kettle Rendered Lard. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,431.—*Title:* DOVE BRAND. For Pure Refined Lard. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,432.—*Title:* DOVE BRAND. For Fresh Pork Sausage. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,433.—*Title:* DOVE BRAND. For Sugar Cured Meats. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,434.—*Title:* DOVE BRAND. For Sugar Cured Picnics. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,435.—*Title:* DOVE BRAND. For Sugar Cured Ham. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,436.—*Title:* DOVE BRAND. For Sugar Cured Bacon. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,437.—*Title:* DOVE BRAND. For Smoked Sausage. THE E. KAHN'S SONS CO., Cincinnati, Ohio. Published October 27, 1937.

50,438.—*Title:* KROGER'S COUNTRY CLUB CLOCK BREAD. For Bread. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Published January 1, 1936.

50,439.—*Title:* LABKON'S KOSHER SOAP FLAKES. For Soap Flakes. DAVID W. LABKON, doing business as Labkon Products Co., Chicago, Ill. Published November 10, 1937.

50,440.—*Title:* THE JUNIOR. For Frocks. LIBERTY FROCK COMPANY, Kansas City, Mo. Published October 2, 1937.

50,441.—*Title:* MANNINGS COFFEE—BROWN BAG BLEND. For Coffee. MANNINGS, INC., San Francisco, Calif. Published October 25, 1937.

50,442.—*Title:* PRIDE OF JORDAN CREAMERY BUTTER. For Butter. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published October 22, 1937.

50,443.—*Title:* RAINBOW BRAND OLEOMARGARINE. For Oleomargarine, MENASHA PRODUCTS COMPANY, Menasha, Wis. Published October 25, 1937.

50,444.—*Title:* LAND O'LAKES. For Canned Peas. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis. Published September 15, 1937.

50,445.—*Title:* PADRE SEC. For California Champagne. PADRE VINEYARD COMPANY, Los Angeles, Calif. Published October 30, 1937.

50,446.—*Title:* AIR-VENT PLATTER COVER. For Water Proof Silk Covers for Food Platters. ARNO REINHOLD, doing business as Reinhold Company, Cleveland, Ohio. Published September 1, 1937.

50,447.—*Title:* CHAMI-FAB. For Interlinings for Coats. SONNEBORN & MEYRICH, New York, N. Y. Published September 27, 1937.

50,448.—*Title:* WILSO. For a Skin Cleanser. J. LEVERS WILSON, Pitman, N. J. Published October 1, 1937.

PRINTS

REGISTERED DECEMBER 7, 1937

16,602.—*Title:* PRICE LIST ON SOME OF MY STUFF. For Candy and Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published November 1, 1937.

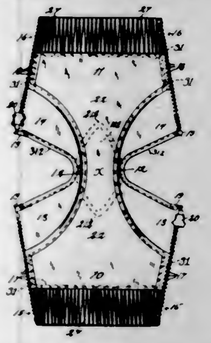
16,603.—*Title:* WHITE HOME COAL. For Coal. ARNOLD BUEKER, Hamilton, Ohio. Published October 1, 1937.

20,567
BATHING SUIT REMOVABLE WHILE DRESSED

Leonard H. Bachelis, Los Angeles, Calif., assignor, by direct and mesne assignments, to Olympia Knitting Mills, Inc., Olympia, Wash., a corporation of Washington

Original No. 1,995,531, dated March 26, 1935, Serial No. 697,130, November 8, 1933. Application for reissue May 29, 1935, Serial No. 24,099

3 Claims. (Cl. 2—224)



3. A swimming garment terminating at its upper edge in waist gripping means to support the garment upon a wearer, and including a front portion incorporating a portion of the waist gripping means and formed to extend half-way around the lower part of the wearer's body and hips, a back portion that is of substantially the same width, length and form as the front portion, and incorporates the remainder of the waist gripping means, and formed to extend around the other half portion of the wearer's body and hips, separable slide fasteners for connecting the meeting side edges of the front and back portions into closed seams, said front and back portions being joined through the crotch to form an outer crotch cover, and an inner crotch cover supported from said waist gripping means and joined to the front and to the back portions adjacent to the waist of each, and being unsecured thereto through the crotch portion, for free movement independently of and relative to the outer crotch cover.

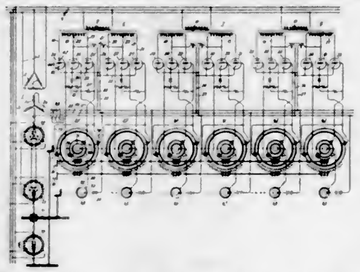
20,568
ALTERNATING CURRENT MOTOR SYSTEM

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Original No. 2,077,206, dated April 13, 1937, Serial No. 86,752, June 23, 1936. Application for reissue August 31, 1937, Serial No. 161,807

16 Claims. (Cl. 172—274)

1. In combination, an alternating current circuit, a dynamo-electric machine having an inducing winding connected to be energized from said alternating current circuit and having an induced winding, and electric translating apparatus interposed between said alternating current circuit and said induced winding for controlling an operating condition of said dynamo-electric machine comprising electric valve means for transmitting energy between said alternating current circuit and said induced winding, means for controlling said electric valve means to control said



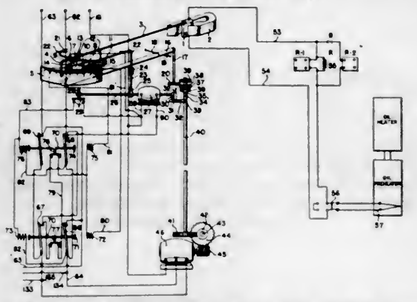
operating condition of said machine and means for independently controlling said electric valve means to control the power factor of the current supplied by said alternating current circuit to said translating apparatus.

20,569
CONTROL METHOD AND APPARATUS

Richard P. Brown, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa.

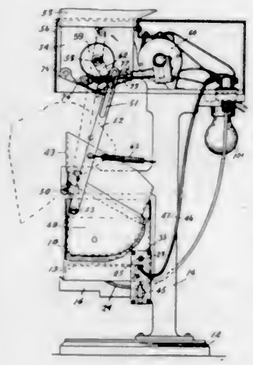
Original No. 1,891,617, dated December 20, 1932, Serial No. 237,103 December 1, 1927. Application for reissue May 4, 1937, Serial No. 140,770

21 Claims. (Cl. 236—70)



1. In a control system, a device to be maintained at a predetermined temperature, a motor mechanism for controlling the rate of fuel supply to said device and a control mechanism for variably operating said motor mechanism in accordance with the variations in temperature of said device from a predetermined temperature, said control mechanism comprising a galvanometer with a pointer movable from a normal position in accordance with the departure of said temperature from said predetermined value and contacts controlled by said pointer when deflected from its normal position, the contacts being arranged to move in the direction of the deflection of said pointer, said motor mechanism being arranged under predetermined conditions to be non-operative to vary said fuel supply in response to the first few operations thereof by said control mechanism.

20,570
COOKING MACHINE
George H. Bushway, Hampton, N. H., assignor to Electricooker, Inc., Newburyport, Mass., a corporation of Massachusetts
Original No. 2,074,044, dated March 16, 1937, Serial No. 89,517, July 8, 1936. Application for reissue September 17, 1937, Serial No. 165,063
23 Claims. (Cl. 53—7)



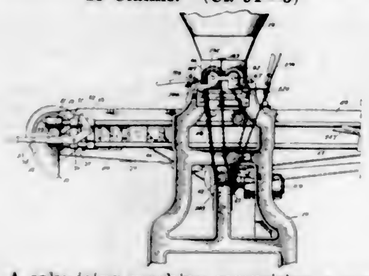
1. In a cooking machine, a container for cooking liquid, heating means therefor, a normally stationary electric motor, means arranged to be actuated by said motor to remove cooked material from the liquid, and a thermostat arranged to be influenced by the temperature of the liquid in the container and to set said motor in operation to remove the material when the temperature of the liquid is raised to a predetermined point.

20,571
MEDICAMENT PACKAGE AND PROCESS
Paul G. Heineman, Albany, N. Y., assignor to Cook Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original No. 1,967,439, dated July 24, 1934, Serial No. 222,150, filed September 26, 1927. Renewed December 7, 1933. Application for reissue July 24, 1936, Serial No. 92,394
7 Claims. (Cl. 128—218)



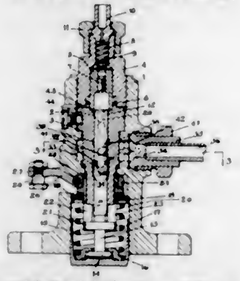
7. An aseptic package for medicaments which is particularly adapted to facilitate a dilution of the contents thereof without contact with the air which comprises, in combination, a glass tube, a resilient plug inserted in the tube at one end and having a cavity opening interiorly and being constructed and arranged so that inward movement thereof through the tube is prevented; and another pierceable resilient plug substantially adjacent to the plug having the cavity and so constructed and arranged that it forms a closed, sterile chamber within the tube, in conjunction with the first plug, which chamber exceeds in volume the capacity of the cavity provided by the first plug, said second plug being freely slidable through the tube.

20,572
CAKE ICING MACHINE
John R. Litty, and Trued B. Lundin, deceased, late of Philadelphia, by Elizabeth H. Litty, assignee, Philadelphia, Pa.
Original No. 1,881,747, dated October 11, 1932, Serial No. 443,982, April 14, 1930. Application for reissue July 8, 1937, Serial No. 152,584
18 Claims. (Cl. 91—3)



1. A cake icing machine comprising a movable support for cakes, an icing receptacle having means therein for feeding the icing from the bottom thereof directly onto said cakes, a main shaft for driving said support and said means, and means for regulating the relative speed between said moving support and said icing feed.

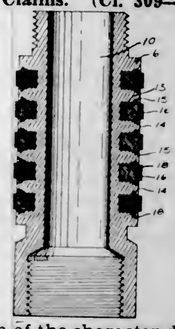
20,573
LIQUID FUEL INJECTION PUMP
Rudolf L'Orange, Stuttgart-Feuerbach, Germany, assignor of one-half to Frederick Richard Simms, London, England
Original No. 1,999,330, dated April 30, 1935, Serial No. 677,724, June 26, 1933. Application for reissue April 2, 1937, Serial No. 134,691
11 Claims. (Cl. 103—41)



1. In a liquid fuel injection pump of the type in which the pump output is varied by by-passing fuel from the pump chamber at the end of the injection stroke, the combination comprising a main pump body, a cylinder disposed within said pump body and including a pump chamber, a plunger reciprocable in said cylinder and pump chamber and rotatably adjustable with respect thereto, a suction passage formed interiorly and axially of said plunger, means for opening and closing said suction passage during reciprocation of the plunger within said cylinder and pump chamber, a spill passage disposed wholly exteriorly of the plunger and constituted by one part comprising a groove having closed ends and generated helically around the axis of the plunger and formed in the outer surface of the plunger and another part comprising a recess having a control edge formed in the cylinder wall, said recess being in constant communication with the pump chamber, the cooperating edges of said spill parts being parallel to each other, and an annular recess provided in the cylinder

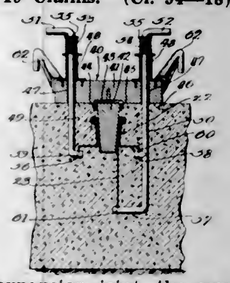
wall around the plunger and communicating constantly with said helical groove, around which recess the fuel is caused to circulate rapidly due to the direction of flow imparted thereto by the helical groove so that the discharge of fuel from the said annular recess is facilitated, and a discharge port for said annular recess.

20,574
PUMP PLUNGER
John N. Martin, Tulsa, Okla.
Original No. 2,095,708, dated October 12, 1937, Serial No. 140,703, May 4, 1937. Application for reissue October 19, 1937, Serial No. 169,920
3 Claims. (Cl. 309—23)



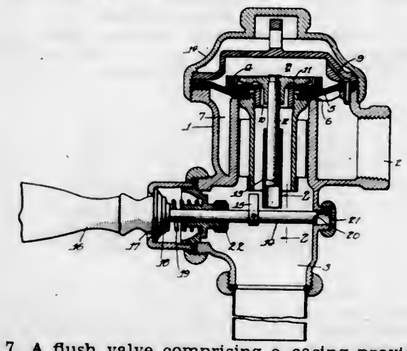
1. In a pump of the character described, a barrel, a pump plunger arranged in the barrel and comprising a cylindrical body, rings rigidly united with said body and extending laterally therefrom, said rings being spaced apart and forming intervening grooves substantially rectangular in cross section, and packing rings mounted in said grooves and engaging said barrel, said packing rings being normally of a size and shape to substantially fill said grooves and characterized by their ability to swell a predetermined amount.

20,575
EXPANSION JOINT FOR PAVEMENTS AND THE LIKE
Clifford Older, Wilmette, Ill.
Original No. 1,918,554, dated July 18, 1933, Serial No. 555,949, August 8, 1931. Application for reissue June 15, 1935, Serial No. 26,852
19 Claims. (Cl. 94—18)



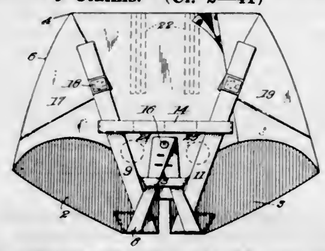
1. In an expansion joint, the combination of a pair of sections of concrete with an expansion strip having anchoring portions embedded in each of said concrete sections, a pair of substantially parallel flanges joined together to form a main expansible fold, and a pair of substantially cylindrical beads joining said parallel flanges with said anchoring portions.

20,576
FLUSH VALVE
William E. Sloan, River Forest, Ill.
Original No. 2,038,135, dated April 21, 1936, Serial No. 513,530, February 5, 1931. Application for reissue April 15, 1937, Serial No. 137,126
9 Claims. (Cl. 137—93)



7. A flush valve comprising a casing provided with an inlet and an outlet; a main valve therein dividing the casing into two chambers, an upper chamber and a lower chamber; said main valve being provided with a passageway which connects the upper chamber with the outlet; an auxiliary valve carried by the main valve and controlling said passageway therethrough; a stem for said auxiliary valve; a handle movably mounted in a side wall of the casing; an actuating device mounted between the handle and the end of said stem and adapted to be moved by said handle to engage said stem when the rod is moved so as to open the auxiliary valve and hold it open a predetermined length of time; and means accessible while the handle is in its operative position for adjusting the position of said actuating member so as to vary the length of time it engages said stem to hold said auxiliary valve open.

20,577
GIRDLE
Maria G. Waksmundzka, Washington, D. C.
Original No. 2,022,751, dated December 3, 1935, Serial No. 759,564, December 28, 1934. Application for reissue May 29, 1936, Serial No. 82,654
9 Claims. (Cl. 2—41)

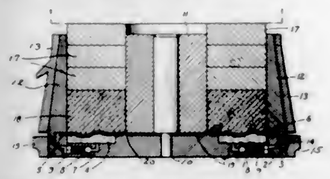


5. An article of the character described, comprising a front portion and a rear portion, a strap extending from the rear portion to the front portion, and a second strap extending from the rear portion to the front portion, and straps being adapted to pass between the thighs and meeting each other at the front portion at a point above the pubic region.

PATENTS

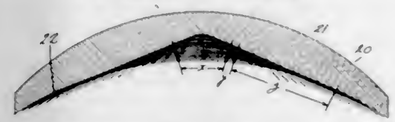
GRANTED DECEMBER 7, 1937

2,101,015
HYDRAULIC MOLD
Edward Anderson, Dayton, Ohio
Application November 30, 1934, Serial No. 755,326
12 Claims. (Cl. 18—34)



1. A mold for plastics, including a base, separable segmental side walls having interlocking engagement with the base, a ring exteriorly surrounding the segmental wall sections for holding the wall sections in assembled relation, a flexible cover for the base upon which a plastic deposit may be received, and a fluid body confined between the flexible cover and the base and subject to displacement by unequalized pressure of the plastic deposit if placed thereon whereby the resistance to the pressure of the deposit will be equalized.

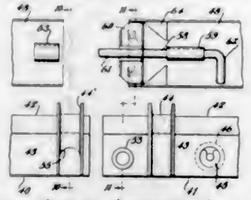
2,101,016
LENS
Howard D. Beach, Buffalo, N. Y.
Application August 8, 1935, Serial No. 35,332
5 Claims. (Cl. 88—57)



1. A spherically corrected lens comprising a body of light transmitting and refracting material having one convex arcuate face, and having its opposite face of generally concave form the medial section of which is a smooth, continuously flowing curve, composed of negative, flat and positive concentric portions each formed of a multiplicity of minute, concentric, annular zones of imperceptible width and of different radii of curvature arranged in consecutive order and in successive numerical value, and with the centers of curvature of all of said zones located upon a common optical axis.

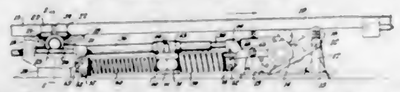
2,101,017
CONVEYER SECTION CONNECTION
Charles N. Bebinger, New Philadelpha, Ohio, assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio, a corporation of Ohio
Application September 12, 1935, Serial No. 40,293
2 Claims. (Cl. 198—204)

1. In a conveyer having longitudinally extending belt roller enclosing members arranged end to end, a gate slidably mounted on the end of one longitudinal member and having a longitudinal projection, and a tubular member on the adjacent end of another longitudinal member for receiving said projection when the gate is



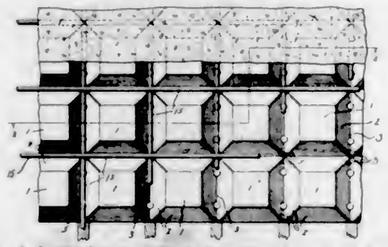
moved to close the gap between the longitudinal members.

2,101,018
CONVEYER DRIVING MECHANISM
Charles N. Bebinger, New Philadelphia, Ohio, assignor to La-Del Conveyor & Mfg. Co., New Philadelphia, Ohio, a corporation of Ohio
Application March 3, 1937, Serial No. 128,822
12 Claims. (Cl. 198—218)



1. Driving mechanism for a shaking conveyer, including a driving crank, driving means connected to the conveyer, a reversible spring drive unit swiveled on said driving means, and means for selectively detachably connecting either end of said spring drive unit to said driving crank.

2,101,019
MOLDING FORM FOR STRUCTURAL MATERIAL
David M. Bowes, Bath, N. Y.
Application May 4, 1934, Serial No. 723,990
21 Claims. (Cl. 25—131.5)

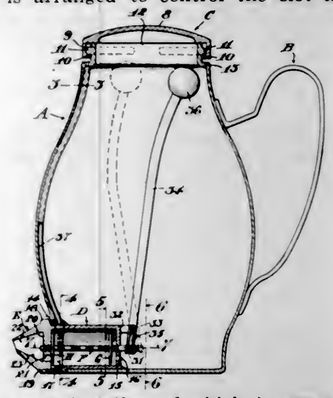


1. A form for molding structural material comprising a strip of a pliable plane substance bent to form a plurality of raised sections separated from one another by intersecting channels.

2,101,020
CREAM DISPENSER
William F. Coleman, Richmond, Calif.
Application February 1, 1937, Serial No. 123,390
4 Claims. (Cl. 221—104)

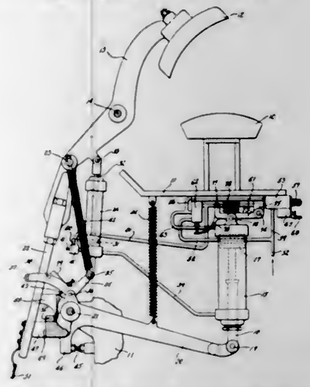
1. In a liquid dispenser, a tiltable container, a measuring chamber in said container, a discharge spout leading from said chamber, a septum between said spout and chamber formed with

a slot, said chamber having an end wall formed with a slot opening to the interior of said chamber, a valve stem slidably carried by said septum and wall, a pair of disc valves carried by said valve stem interiorly of said chamber one of which is arranged to control the slot in said



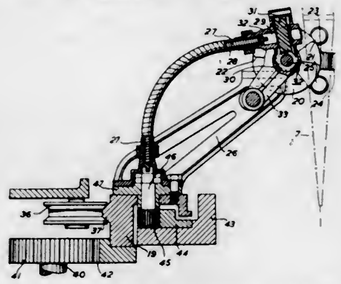
septum and the other of which is arranged to control the slot in said wall, and means interiorly of said container connecting with said valve stem moveable under tilting movement of the container for shifting said valve stem to alternately open and close said slots.

2,101,021
PRESSING MACHINE AND CONTROL MECHANISM
Joseph P. Daly, New York, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application October 6, 1934, Serial No. 747,173
22 Claims. (Cl. 38—41)



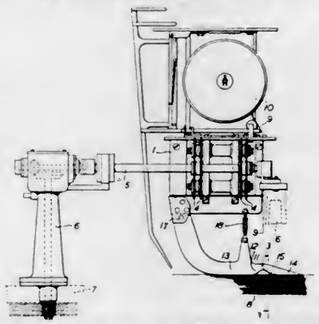
1. A pressing machine comprising cooperating relatively movable pressing members, a fluid actuated cylinder and piston motor for producing such movement, motion transmitting mechanism effective during the latter part of the piston stroke for applying final pressure between said members and including separable parts effective to transmit motion only when the pressing members are in close proximity, power transmitting mechanism operatively connected with said piston for producing relative motion between said pressing members and effective during the first part of the piston stroke to move said members to close proximity and to couple said parts in effective position, and operator controlled means for actuating said motor.

2,101,022
CIRCULAR LOOM
Frank Corbyn Hale and Robert Yeadon, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 16, 1935, Serial No. 31,598
In Great Britain July 23, 1934
11 Claims. (Cl. 139—13)



1. In a circular loom employing rotatable vane wheels adapted to pass through the warp threads into engagement with a shuttle within the warp shed, a rotatable shaft for supporting and driving said vane wheels, a flexible shaft in driving connection with said vane wheel shaft, means for adjusting said vane wheel shaft towards or away from the loom axis while maintaining said driving connection, and means for rotating said flexible shaft.

2,101,023
CIRCULAR LOOM
Frank Corbyn Hale and James Russell Yorke, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 28, 1936, Serial No. 92,958
In Great Britain August 31, 1935
6 Claims. (Cl. 139—13)



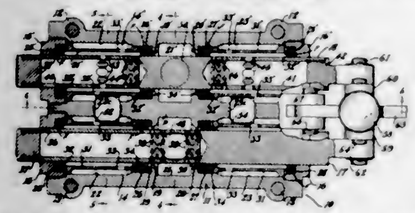
1. A circular loom provided with means for shedding the warps in connection with each shuttle thereof, and a plurality of shuttles each having a base extending rearwardly of the point at which weft is delivered from the shuttle to a point beyond that at which shedding for the next shuttle commences, and which is adapted to beat up the weft into the open shed into which it is laid by the shuttle.

2,101,024
HIGH SPEED TRANSPORTATION SYSTEM
John O. Heinze, Detroit, Mich., assignor, by direct and mesne assignments, to Heinze Development Company, a corporation of Michigan
Application November 17, 1933, Serial No. 698,392
4 Claims. (Cl. 104—247)



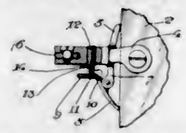
1. A high speed transportation system including a way having guide members extending along opposite sides thereof for guiding a motor vehicle in its travel along said way, said way having a lateral outlet to permit the driving of said vehicle from said way; and a motor vehicle to travel along said way, said vehicle having ground wheels for travel upon said way and upon the highways, steering mechanism for steering said vehicle independently of said guide members of said way, horizontally disposed guide wheels upon said vehicle for travel along said guide members of said way, pivotally supported bell cranks upon which said guide wheels are mounted, means upon which each of a pair of ground wheels is mounted, said means being connected to said vehicle for pivotal movement in steering the vehicle, means for pivotally mounting each of said wheels for vertically yielding movement under load independently of the other or others, springs to yieldingly resist independent vertical pivotal movement of said mounting means and means for operatively connecting said bell cranks upon which said guide wheels are mounted and said means upon which said ground wheels are mounted for deflecting said ground wheels from their normal path of travel to steer the vehicle away from the guide member of the way into contact with which one of the guide wheels is brought by a side thrust of the vehicle.

2,101,025
PRESSURE VALVE
Nathan C. Hunt and Samuel C. Chessman, Salem, Ohio; said Chessman assignor to said Hunt
Application December 28, 1936, Serial No. 117,808
13 Claims. (Cl. 277—12)



2. In fluid pressure valve construction, a valve housing having spaced longitudinal bores formed and extending entirely therethrough therein, a hollow cylindrical plunger member closed at both ends slidably mounted in and extending entirely through each bore, said valve housing having longitudinally spaced annular channels formed therein around each plunger member, walls forming a cross passage providing communication between two opposite annular channels, channel-shaped pressure sealed packing rings in each of said opposite annular channels, walls forming an inlet passage communicating with another of said annular channels around one of said plunger members, an exhaust passage communicating with an opposite annular channel around the other plunger member, and an outlet passage communicating with said cross passage, and each of said plungers having longitudinally spaced ports through their tubular walls for providing communication between the longitudinally spaced annular channels surrounding said plunger.

2,101,026
EYEGLASSES
Morris Kaplan, Brooklyn, N. Y.
Application October 14, 1936, Serial No. 105,477
7 Claims. (Cl. 88—47)



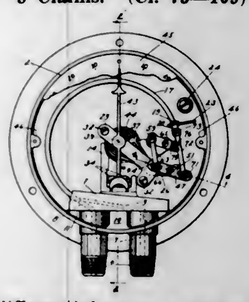
1. In an eye glass, the combination with a strap of a lens mounting having means at one side of the strap for engaging the rim of a lens, of a detent pivoted intermediate its ends at the opposite side of said strap and having a part at one side of its pivot in position to engage the rim of the lens, means co-operating with the detent at the opposite side of its pivot thereby to force the detent into engagement with the lens rim, and cushioning means for limiting the clamping action of the detent on the lens.

2,101,027
DUSTING MITTEN
David Karger, Milwaukee, Wis., assignor to Eagle Knitting Mills, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application May 8, 1936, Serial No. 78,610
1 Claim. (Cl. 15—227)



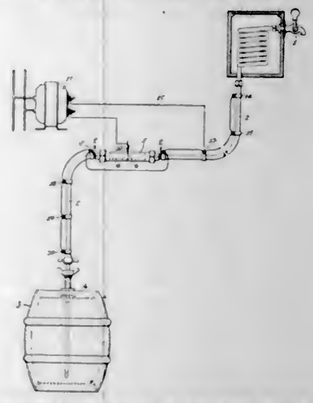
A mitten, comprising, a closely knit body of soft yarn having a closed end and a single elongated hollow substantially cylindrical seamless portion formed integrally with said end to provide a tubular bag for the reception of a hand, a multiplicity of continuous relatively large loops of the same material knitted integrally with and providing a shaggy covering hugging and completely concealing the entire exterior of said body, and an elastic knitted substantially cylindrical seamless wrist band of lesser normal diameter than said cylindrical portion attached to and extending away from the opposite end of said bag, said bag and band being freely rotatable about a wearer's hand so as to present all externally looped portions thereof to the palm side.

2,101,028
DIFFERENTIAL GAUGE
Maximilian Klein and Bernhard Willach, Sellersville, Pa., assignors to United States Gauge Company, Sellersville, Pa., a corporation of Pennsylvania
Application June 12, 1935, Serial No. 26,277
5 Claims. (Cl. 73—109)



5. In a differential gauge, a support, a bracket mounted on said support, an indicator and indicator operating means carried by said bracket, two pressure responsive devices carried by said bracket and linkage mechanism operatively connecting said devices to said operating means, said linkage mechanism including a bodily movable lever mounted on an adjustable pivot on said operating means, a lever pivotally mounted on said bracket and parallel to said first named lever, a link connecting adjacent ends of said levers, said link being adjustable transversely of one lever and longitudinally of the other, a link connecting one of said devices to the free end of one of said levers and a link connecting the other of said devices to the free end of the other lever, said last named links being adjustable longitudinally of said levers.

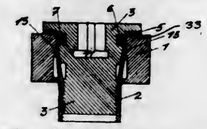
2,101,029
APPARATUS FOR PREVENTING BEER SETTLING
William G. Koerber, Detroit, Mich., assignor to Karl A. Zimmerer Manufacturing Co. Inc., Detroit, Mich., a corporation of Michigan
Application November 21, 1935, Serial No. 50,823
7 Claims. (Cl. 204—26)



1. The combination of a storage container for beer, a beer delivery means remote from said container, a tube connecting said container and said delivery means, said tube being composed of metallic sections with a non-metallic section interposed therebetween, an electric terminal internally of said non-metallic section in spaced relation with said metallic sections, and electric lines connected to a source of electrical energy, one of said lines being connected to said terminal, the other of said lines being connected to at least one of said metallic sections.

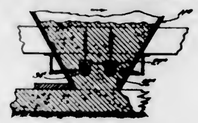
7. The method of preserving the cleanliness of the inside walls of a beer delivery line which consists in establishing a linear flow-path for the beer through the line with the flow path presenting successive and spaced linear zone characteristics, and subjecting the flowing beer to the action of a source of electrical energy while passing through the succession of zones with the energy of adjacent zones of opposite polarity.

2,101,030
EXPANSION-PLUG FOR BARRELS AND OTHER TANKS, FIRE-TUBE AND WATER-TUBE BOILERS
Willy Kunze, Leipzig, Germany
Application January 26, 1934, Serial No. 708,471
In Germany March 21, 1933
3 Claims. (Cl. 220—24.5)



1. A bung device for barrels, petrol tanks, or the like comprising in combination: a plug having at one end a flange for covering a bung hole and external screw threads at the other end, and also having an annular conical surface between said flange and said threads and an annular groove between said conical surface and said flange; a packing ring upon said plug under said flange; a resilient packing ring in said annular groove; a pressure ring for compressing said packing ring in said groove; a sleeve adapted to fit in a bung hole and over the threaded end of the plug, said sleeve having on one end internal screw threads for engaging the threads of said plug and at the other end longitudinal slots and an annular conical flange adapted to pass over the conical surface of said plug and to be compressed thereby against the bung hole.

2,101,031
APPARATUS FOR HANDLING CONCRETE AND THE LIKE
Charles E. Little, Los Angeles, Calif.
Application August 28, 1933, Serial No. 687,105
14 Claims. (Cl. 94—46)



1. Apparatus for handling concrete and like material including, a hopper adapted to be operated along a form to pass material into the form, an element movable along the form with the hopper and extending through the material flowing from the hopper, means carrying the element for free vibration relative to the hopper, and means for vibrating the element to vibrate material in the hopper and the material in the form adjacent the discharge of the hopper.

2,101,032
METHOD FOR THE RECOVERY OF ARALKYL ETHERS OF CELLULOSE
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1934, Serial No. 747,209
10 Claims. (Cl. 260—152)

1. The method of recovering an aralkyl ether of cellulose in the form of a firm, porous, granular precipitate from the mixture resulting from the reaction leading to its formation, which includes first adding to the reaction mixture an organic liquid which is a solvent for organic impurities contained therein and a non-solvent for said aralkyl ether of cellulose selected from the group consisting of liquid aliphatic alcohols, liquid aliphatic ethers and liquid aliphatic hydrocarbons, in amount sufficient to substantially reduce the viscosity of the reaction mixture but insufficient to cause the separation thereof into two phases, and then admixing the thinned reaction mixture with an additional quantity of said organic liquid larger than that first added.

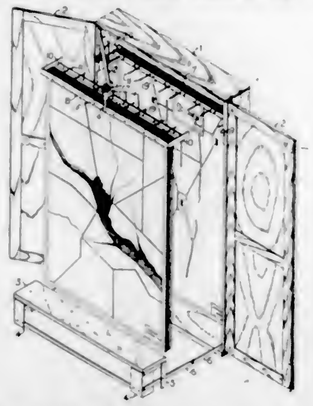
2,101,033
ANTENNA BELT
Sidney F. Mashbir, Washington, D. C., Frank G. Kear, Minersville, Pa., Gomer L. Davies, Cleveland, Ohio, and William H. Orton, Washington, D. C., assignors to Washington Institute of Technology, Washington, D. C., a corporation of Delaware
Application May 21, 1934, Serial No. 726,820
2 Claims. (Cl. 250—14)



1. An antenna belt comprising an endless hollow loop of impervious material having oppositely disposed portions thereof extending in opposite directions at acute angles to the plane of the loop, and other portions connecting said first-named portions and being disposed substantially at right angles to the plane of the loop, and a plurality of turns of wire disposed within the material of said loop.

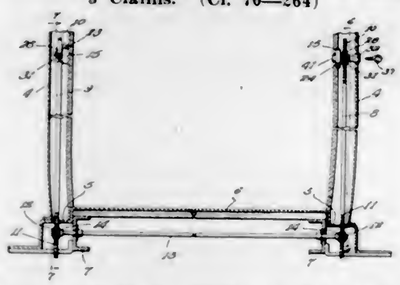
2,101,034
DRAWING AND MAP FILE
Alfred H. Meuche, Washington, D. C.
Application January 25, 1936, Serial No. 60,826
24 Claims. (Cl. 40—28)

1. In a filing unit for loose sheets, a pair of complementary hanger members, one of said hanger members being fixed, a support upon which the other hanger member is movable relative to the fixed member, overlapping relatively spaced pins carried by the respective hanger members engageable through registering holes in the sheets to be filed and upon which such sheets are capable of to and fro sliding motion, guide means for the movable hanger member by which the pins carried thereby are registered with corresponding holes in sheets suspended from the pins of the other member as the mov-



able hanger member approaches the fixed member, detent means for restricting the suspended sheets to the limits of the pins of the respective hangers when the hangers are separated, and means for automatically adjusting the detent means into and out of sheet restricting relation controlled by the relative movement of the movable hanger.

2,101,035
SECURING MECHANISM FOR AUTOMOBILE DOORS
John Mistretta, New York, N. Y.
Application July 24, 1936, Serial No. 92,401
3 Claims. (Cl. 70—264)



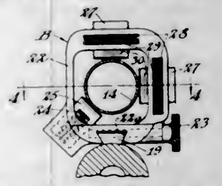
1. In a device for simultaneously locking all doors of a vehicle from a central point comprising a fastener for each pair of front and rear doors having a pair of rack plungers mounted therein, a pinion meshing with the racks of each pair of plungers whereby the latter may be moved in opposite directions, a pinion shaft for each pinion, a driven shaft mounted upon and extending transversely of the vehicle frame, gears keyed to the opposite ends of said driven shaft, rack bars each having racks at their lower ends for engaging said gears, and racks at their upper ends, means for operatively connecting the racks at the upper ends of said rack bars to said pinion shafts and means for rotating one of said pinion shafts from either side thereof.

2,101,036
SILO
George A. Olbrich, Minneapolis, Minn.
Application October 3, 1936, Serial No. 103,893
3 Claims. (Cl. 20—1.4)



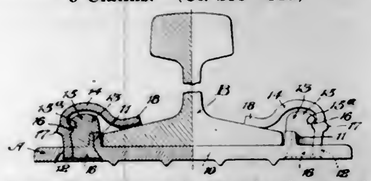
1. In a silo, a sectional construction unit comprising a group of staves, sectional rib members to which said staves are secured, one end of said rib members being offset and extending laterally of its group of staves, the central longitudinal areas of said ribs being bent outwardly from the side portions of the ribs a distance greater than the offsets at the ends of said ribs to form reinforcing shoulders and hoops encircling said silo and supported by said shoulders.

2,101,037
TELESCOPIC SIGHT FOR GUNS
Charles M. O'Neil, Hopkins, Minn.
Application January 11, 1936, Serial No. 58,663
7 Claims. (Cl. 33—50)



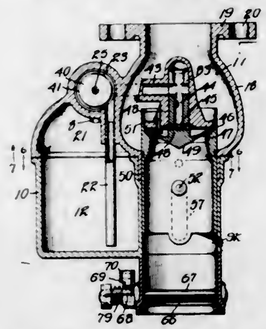
1. In telescopic gun sight construction, a telescope, a mounting engaging the forward portion of said telescope and permitting limited oscillation of said telescope relative to said mounting on a substantially vertical axis as well as on a substantially horizontal axis, a second mounting surrounding said telescope adjacent its rear end and comprising a telescope-surrounding member, a telescope-engaging member yieldingly mounted in said surrounding member and an adjustable telescope-positioning member, said positioning member being externally threaded and mounted in a portion of said surrounding member and an annular adjustment nut internally threaded and engaged with said positioning member and mounted also in a portion of said telescope-surrounding member, said positioning member extending normal to said adjustment nut.

2,101,038
RAIL SUPPORTING AND RETAINING MEANS
Victor C. Armstrong, Short Hills, N. J., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware
Application September 12, 1936, Serial No. 100,551
5 Claims. (Cl. 238—349)



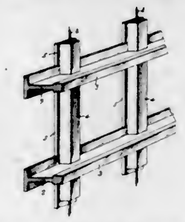
5. In combination, a tie plate having a rail seat and an opening of tapering form at one side of said seat, a filler block having a wedge-formation to interlock with said tapered opening, and a key member having an interlocking wedging engagement with said filler block and provided with a rail holding spring-tongue overlying the filler block and the rail flange, said filler block and said key member being disposed in their entireties above the bottom face of the tie plate.

2,101,039
CARBURETOR WITH CHOKE CONTROL
Arthur R. Baker, Indianapolis, Ind., assignor to Columbia Carburetor Company, Washington, D. C., a corporation of Delaware
Application March 20, 1933, Serial No. 661,809
Renewed July 29, 1935
6 Claims. (Cl. 261—64)



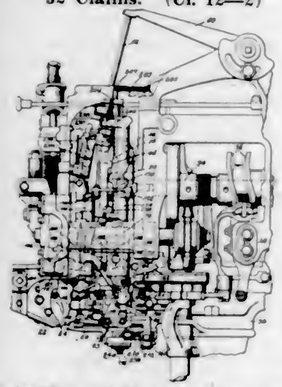
1. In a carburetor having a butterfly valve, means for operating said valve in response to load demands of the engine comprising means for creating a suction on the butterfly valve so as to open said valve slightly after starting of the engine, and means for maintaining said butterfly valve in an open position so long as the engine is operated at normal speed and under a normal load and means for minimizing the amount of suction required to maintain the valve in open position at operating load after the engine has come up to full operating speed, substantially as set forth.

2,101,040
ALARM SYSTEM FOR DETENTION WINDOWS
Lee Bayley, Springfield, Ohio, and Robert L. Clingerman, Washington, D. C., assignors to The William Bayley Company, Springfield, Ohio, a corporation of Ohio
Application November 19, 1930, Serial No. 496,708
2 Claims. (Cl. 189—64)



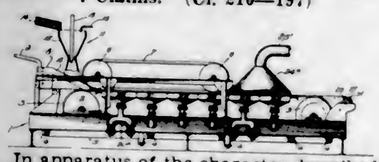
1. A window assembly for penal institutions including a plurality of transversely disposed duofunctional muntin and detention bars T-shaped in cross section dividing the window into a plurality of spaces at least some of which are glazed and rectangular hollow bars extending adjacent to the stems of some of the T-bars, said bars cooperating with each other to prevent the escape of a human body through the window assembly.

2,101,041
LASTING MACHINE
Benjamin B. Blanchard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 8, 1936, Serial No. 114,840
32 Claims. (Cl. 12—2)



1. In a lasting machine, the combination with means for shaping an upper over a last, and a wiper for wiping the marginal portion of the upper inwardly over a sole on the last, of different devices arranged for alternative use respectively to drive fastenings to fasten the upper to the sole after the upper has been wiped inwardly by the wiper or to operate said wiper by a hammer blow to force the overwiped marginal portion of the upper into adhering relation to the sole in lasting the shoe with cement instead of with driven fastenings.

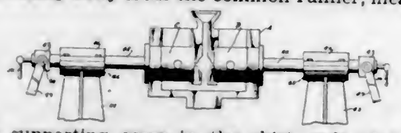
2,101,042
METHOD OF AND APPARATUS FOR TREATING MATERIALS
William Casey, Kingston, Ontario, Canada, assignor to Canadian Locomotive Company, Limited, Kingston, Ontario, Canada, a corporation of Canada
Application January 23, 1935, Serial No. 2,978
7 Claims. (Cl. 210—197)



1. In apparatus of the character described, the combination with an endless filter web of means for supporting such web and causing a flow of air therethrough and the material supported thereon, said means comprising a stationary support provided with suction ports and a movable mat overlying said support and carrying said web, said mat provided with drainage grooves extending longitudinally of the mat and communicating with said suction ports.

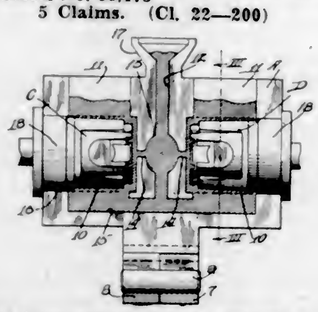
2,101,043
APPARATUS FOR MAKING PISTONS
George H. Blettner, Chicago, Ill., assignor to Renette Company, Chicago, Ill., a corporation of Illinois
Application March 2, 1935, Serial No. 8,987
5 Claims. (Cl. 22—149)

2. An apparatus for group casting of pistons comprising a mold formed with a common runner arranged to supply metal to a plurality of piston casting cavities, said mold being formed with a plurality of piston casting cavities arranged with the axes of the cavities horizontal and with the head ends of said cavities in proximity to said common runner and the skirt ends extending away from the common runner, means



for supporting cores in the skirt ends of said cavities to close said ends and form the interiors of the pistons, and a plurality of connections between said common runner and each of said cavities to supply molten metal to the larger voids of the cavities to compensate for shrinkage of the castings while cooling.

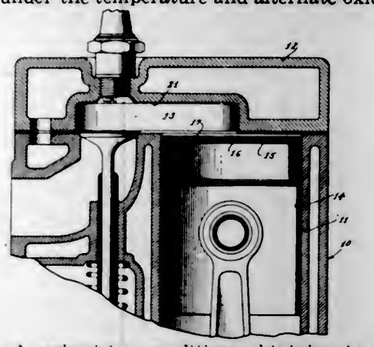
2,101,044
METHOD OF MAKING PISTONS
George H. Blettner, Chicago, Ill., assignor to Renette Company, Chicago, Ill., a corporation of Illinois
Original application March 2, 1935, Serial No. 8,987. Divided and this application March 12, 1936, Serial No. 68,473
5 Claims. (Cl. 22—200)



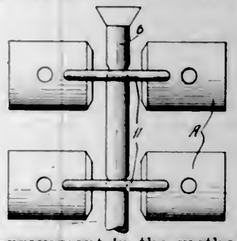
1. That improvement in the method of simultaneously casting a plurality of internal combustion engine pistons which comprises the steps of forming a plurality of piston casting cavities in a mold with the axes horizontal and the head forming ends of the cavities facing each other, forming in the mold a single feeder which when the mold is in casting position extends downwardly between and past the facing head forming ends of the cavities and sufficiently closely adjacent said ends to be in heat transfer relation therewith, forming in the mold a plurality of connections from the feeder to each cavity with one of the connections to each cavity opening into the cavity through a side of the same, and supplying molten metal to said feeder connections and cavities.

2,101,045
INTERNAL COMBUSTION ENGINE
George H. Blettner, Chicago, Ill., assignor to Renette Company, Chicago, Ill., a corporation of Illinois
Application June 6, 1936, Serial No. 83,888
3 Claims. (Cl. 123—191)

1. A piston for use in an internal combustion engine, said piston having that portion which is exposed to the gases of combustion formed of steel having a thermal insulating layer on its exposed surface consisting largely of a lacy membrane of oxides and carbides of iron, the thickness and kindling point of the steel being such that under the temperature and alternate oxidizing and carburizing conditions obtaining in the operation of an engine containing such piston said membrane of oxides and carbides of iron will persist by re-formation during continued engine operation.



2,101,046
ART OF CASTING PISTONS
George H. Blettner, Chicago, Ill., assignor to Renette Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1937, Serial No. 151,335
3 Claims. (Cl. 22—209)

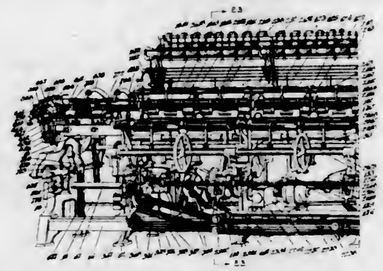


1. That improvement in the method of simultaneously casting a plurality of internal combustion engine pistons, which comprises the steps of forming in a mold a plurality of piston casting cavities in tier formation with their axes horizontal and with the head forming ends of the cavities in each tier facing each other, forming in the mold a single feeder which is vertical when the mold is in casting position and which extends downwardly in closely adjacent relation between and past the head ends of the cavities in the tiers, forming in the mold connections from the feeder to each cavity and pouring metal into said feeder to supply metal to the cavities on each side of the axis of each cavity in such manner that the heat of the metal in the feeder and connections tends to retard the rate of cooling of the head end portions of the piston castings.

2,101,047
METHOD OF TREATING RAILS
John Brunner, Chicago, Ill., and Arthur D. Beers, Gary, Ind.; Cora M. Brunner executrix of said John Brunner, deceased
No Drawing. Application May 16, 1933 Serial No. 671,422
2 Claims. (Cl. 148—20)

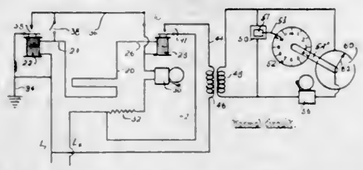
1. In the cooling of rails from a temperature above the upper critical temperature to atmospheric temperatures, the method which comprises cooling the rail to a temperature approximating but above the upper critical range, quenching the head of the rail at and adjacent its ends to a temperature below the critical range, cooling the remainder of the rail at the normal hot bed cooling rate until the head of the rail intermediate the quenched ends thereof approximates a temperature of 350° C. and retarding the cooling of the rail between the temperatures of 350° C. to about 100° C. at a rate determined by the specific steel composition and carbon content thereof.

2,101,048
UNINTERRUPTED KNITTING OF SHAPED FABRICS
Alfred E. Ischinger, Mount Penn, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application September 4, 1936, Serial No. 99,503
250 Claims. (Cl. 66—82)



1. A straight united needle knitting machine of the character described, comprising means for automatically performing all operations essential to the production of one or more complete fashioned blanks in a continuous cycle of operation, a plurality of mechanisms for performing the knitting and fashioning operations in the production of the blanks, actuating means for said mechanisms, and pattern means for controlling said mechanisms during the continuous automatic cycle of operation of the machine.

2,101,049
PROTECTIVE SIGNALING DEVICE
Robert L. Clingerman, Washington, D. C., assignor to The William Bayley Company, Springfield, Ohio, a corporation of Ohio
Application January 9, 1935, Serial No. 975
5 Claims. (Cl. 177—314)



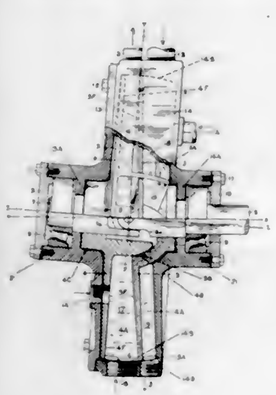
1. A protective signaling system, comprising, a grounded source of E. M. F.; a normally closed protective circuit, including in series the winding of an emergency alarm relay, a protective conductor, the winding of a secondary alarm relay, and a primary alarm means; a secondary alarm means under the control of the contacts of the secondary alarm relay, to give a secondary signal upon deenergization of the secondary alarm re-

lay; means, including a normally open circuit, having a manually operable test switch and the contacts of the emergency alarm relay therein, connected in series with the primary alarm means, and in parallel with the winding of the secondary alarm relay; a normally open circuit energizable by the source of E. M. F., and having the contacts of the secondary alarm relay therein, and including means for energizing the secondary alarm means; whereby, opening of the protective circuit causes actuation of both alarm means, and opening of the manual switch silences both alarm means, if their actuation was caused by a ground imposed on the protective circuit, but only the primary alarm means, if their actuation was caused by an opening of the protective circuit.

2,101,050
POLISHING COMPOUND
Harry J. Hosking, Sea Cliff, N. Y.
No Drawing. Application December 19, 1936, Serial No. 116,821
6 Claims. (Cl. 51—280)

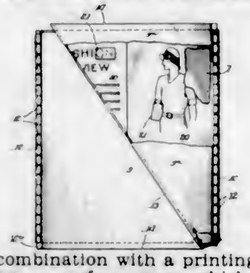
1. A composition of matter comprising a mixture of water, glue, glycerine, borax and alundum and the products of their combinations.

2,101,051
ROTARY FLUID DISPLACEMENT DEVICE
Ernest Alexander Cuny, New York, N. Y., assignor to Cunward, Inc., Brooklyn, N. Y., a corporation of New York
Application July 20, 1935, Serial No. 32,371
12 Claims. (Cl. 103—127)



2. In a fluid displacement device, a rotatable radially bladed element, a rotatable slotted element adapted to receive the blades of the first said element within its slots, a casing having a spherical chamber within which the said elements are adapted to rotate on oblique axes, suction ports in the said casing and in the said bladed element, discharge ports in the said casing, baffles associated with said bladed element adapted to periodically close said discharge ports, and means for rotating the said elements such that compression of a fluid is caused between the said elements and the said casing and is adapted to be drawn through and discharged from the ports thereof.

2,101,052
PRINTING PLATE AND METHOD OF MOUNTING THE SAME
Arthur B. Davis, Springfield, Ohio
Application June 26, 1931, Serial No. 546,951
4 Claims. (Cl. 101—415.1)



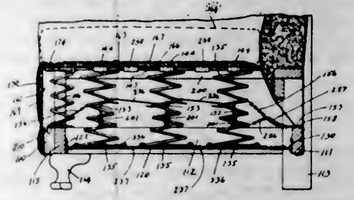
3. The combination with a printing press support having a surface upon which a printing member is to be mounted, of a separately formed expansible backing plate conforming to the contour of said surface and shiftable edgewise in any direction while lying against said support, said plate having fastening devices extending along opposite marginal edges and disposed above the surface of said support, a type-carrying sheet overlying said plate and having fastening elements spaced for engagement with said devices, said plate comprising at least two separate sections cooperating when in edgewise abutting relation to form a continuous backing for the type on said sheet and shiftable relatively to each other while said devices and elements are engaged, to expand the plate in an edgewise direction against said elements and thereby stretch said sheet over the plate surface to form a unitary printing plate assembly, and clamping devices on said support overlying the edges of said assembly and acting to fasten said assembly to said support, said clamping devices being detachable to permit of bodily edgewise adjustment of the assembly in any direction along the surface of said support.

2,101,053
FIRE ESCAPE
Peter V. Della Santina, Arthur Nelson, and Frank Della Santina, San Francisco, Calif.
Application March 18, 1935, Serial No. 11,640
6 Claims. (Cl. 228—17.3)



2. In a fire escape a balcony, a ladder carried by the balcony and vertically movable to raise or lower the same, a pair of guide members pivotally secured to the balcony between which the ladder is guided, means normally supporting the ladder in a raised position, means for releasing the support to lower the ladder between the guide members, and means carried by the ladder and cooperating with the pivoted guide members for swinging the lower end of the ladder outwardly to assume an inclined position as it reaches its lowered position.

2,101,054
OPEN BOTTOM, FLOATING TOP SPRING CUSHION CHAIR OR THE LIKE
Robert E. Eaton, Burlington, Iowa, assignor to Chittenden & Eastman Company, Burlington, Iowa, a corporation
Application April 27, 1935, Serial No. 18,524
7 Claims. (Cl. 155—179)



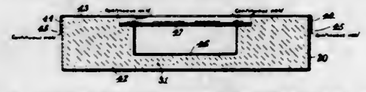
1. In a chair or the like structure including a peripheral frame of rails, in combination a spring unit including top border wire means, a plurality of cushion coils arranged in rows and in tandem relation in each row, a resilient bottom support structure for the coils suitably secured at opposite ends to a pair of opposed rails, said coils having their lower portions nested within the frame, said border wire means and top turns of the coils being operatively interconnected, and means independent of the bottom and connecting certain marginal coils to the frame to prevent undue swaying of the top of the unit, said means including a downwardly and frame directed metallic flexible connection from one turn of a coil toward the adjacent rail, and an upwardly and frame directed metallic flexible connection from a lower turn of the same coil toward the same rail, said metallic connections lying in substantially the same vertical plane, and another metallic flexible connection at one end connecting together the frame directed ends of the other metallic connections and connected at its opposite end to the said rail.

2,101,055
BRINE ICE
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Original application August 14, 1931, Serial No. 557,108. Divided and this application April 24, 1935, Serial No. 18,050
2 Claims. (Cl. 62—1)



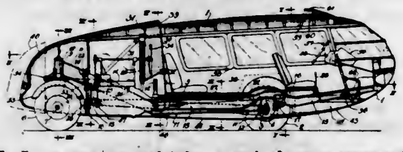
1. As a product of manufacture, a mass of dry brine ice in bulk form comprising relatively thin, at least partially pre-formed pieces having substantially the same salt concentration and each piece having the salt and water distributed substantially evenly throughout so that the product is substantially homogeneous, each piece also having two principal exposed surfaces, at least one of which surfaces has portions out of rectilinear alignment with other portions of the surface and materially less extensive side or edge portions adjoining said principal surfaces whereby the ratio of surface area to mass is increased to provide greater surface for heat transfer.

2,101,056
MEANS FOR COVERING CARGO HATCHES AND OTHER OPENINGS
Henry E. Frick, Upper Montclair, N. J., assignor to The Metal Lumber Corporation of New Jersey, New York, N. Y.
Application July 18, 1936, Serial No. 91,287
6 Claims. (Cl. 114—201)



1. A plank for covering hatches and other openings consisting of an elongated casing formed of two thin metal sheets constituting two sections, a portion of one of which is inserted within the other, said casing having between and parallel with its narrower longitudinal sides U-shaped reinforcing partitions formed of one of said thin metal sheets and having abutting portions welded together, and continuous weld means uniting overlapping portions of said sections together thereby forming an enclosed casing.

2,101,057
MOTOR VEHICLE
Buckminster Fuller, Bridgeport, Conn., assignor to The Dymaxion Corporation, Bridgeport, Conn., a corporation of Connecticut
Application October 18, 1933, Serial No. 694,068
In Great Britain September 8, 1933
26 Claims. (Cl. 180—27)

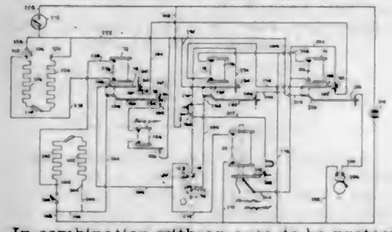


7. In a motor vehicle, a sub-frame supported at one end on the axle structure of two forward wheels and at the other on a single rear steering wheel, and adapted to maintain the steering axis rigidly in a plane having a fixed relation to the planes of the forward wheels, a main frame supported at its after end on said sub-frame and spring supported on said axle structure and extending forwardly thereof and of the sub-frame and a streamline body on and covering both frames and all the wheels, said frames having their longitudinal portions extending substantially at the same level.

14. An automobile comprising body, wheels and engine in the following form and relation viz., the body having the form of a unitary aeronautic streamline body with substantially unbroken external curvature from end to end, in plan and elevation, and its maximum cross section occurring at about one-third of the distance from the bow end; the engine being in the rearmost part of such body; the road wheels including front tractor and rear steering wheels all located within and laterally shielded from the external air flow by such body, the forward wheels being rearwardly spaced from the bow end to provide a substantial forward overhang of the body counterbalancing the engine weight so as to establish the center of

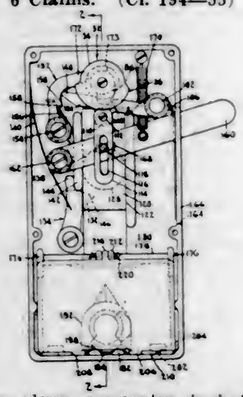
gravity of the unloaded vehicle at a point forward of the wheel base center; the passenger or load-receiving space within the body being forward of the engine and having a substantial part in advance of said forward wheels.

2,101,058
ALARM SYSTEM
Benjamin Goldstone, Long Beach, N. Y.
Application July 30, 1932, Serial No. 626,444
19 Claims. (Cl. 177—314)



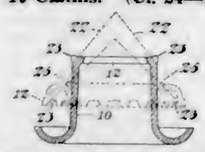
1. In combination with an area to be protected and having exits therefrom, means for guarding the exits against unwarranted passage therethrough, means for initiating an alarm upon attempting to effect passage past the guarding means, one of the exits having a door, means for locking the door against passage therethrough, said locking means, comprising means when actuated to locking position, for making the alarm-initiating means effective, circuit means for indicating the time when the door was locked and the alarm-initiating means made effective, and means to prevent the locking means from being operated through more than a single cycle from unlocked position to a position where it retains the door locked, and thereafter to a position where it is no longer effective to lock the door, whereby, in such cycle, the door may be retained locked for only a single continuous period.

2,101,059
ALARM APPARATUS
Benjamin Goldstone, Long Beach, N. Y.
Application July 24, 1933, Serial No. 681,847
6 Claims. (Cl. 194—55)



4. For an alarm apparatus including a protective circuit, an alarm-indicating device, and means for energizing the device including a circuit, means for controlling operation of the apparatus by closing or opening one of the circuits, the controlling means including an electric switch, means for moving the switch to make the apparatus operative, means for locking the switch-moving means against movement including an arm and means on the switch-moving means and the arm cooperating when the arm and switch-moving means are in a predetermined relation to each other to prevent actuation of the switch-moving means to circuit-closing position, a lug for engaging the arm to make the cooperating means on the switch-moving means and the arm inoperative for actuation-preventing purposes and to latch the arm in position to continue the cooperating means in inoperative condition, the switch-moving means, immediately that it is actuated after being unlatched, releasing the actuation-preventing means for actuation preventing purposes, a link carried by the arm, and means permitted limited reciprocating movement relative to, but beyond one limit of such movement engaging with, the link to move the arm out of cooperating relation to the switch-moving means and into engagement with the lug.

2,101,060
EYELET
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 16, 1935, Serial No. 16,644
Renewed December 23, 1936
10 Claims. (Cl. 24—141)



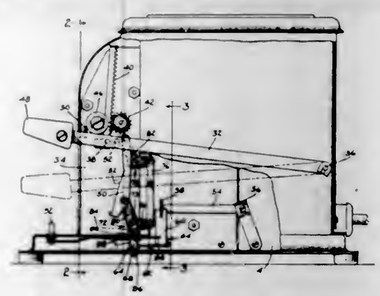
1. An eyelet of ductile metal having a barrel provided with a blunt clenching end thicker in cross-section than any other portion of the barrel and including an internal unscored bead of supplemental metal the axial extent of which is so great in comparison with its extent of radial projection that when the pilot of a roll-clenching tool is inserted into the barrel the bead will not be bent back or folded by the operation thereon of such tool.

2,101,061
CASTING
Wallace E. Gordon, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1935, Serial No. 51,089
6 Claims. (Cl. 106—22)

1. A flowable casting syrup comprising a preformed polymer from the group consisting of polymeric mono-methacrylic acid esters and polymeric mono-acrylic acid esters, dissolved in a monomer from the group consisting of monomeric methacrylic acid esters and monomeric acrylic acid esters, the proportion of polymer being at least 1% by weight of the syrup.

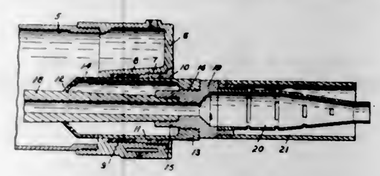
2,101,062
AUTOMATIC TOASTER
Maurice H. Graham, Minneapolis, Minn.
Application March 10, 1933, Serial No. 660,271
13 Claims. (Cl. 219—19)

1. In a bread toaster having a toasting space for bread slices, means for initiating the toasting of a bread slice, a timing mechanism, means under the control of the timing mechanism for terminating the toasting of the bread slice, and thermostatic means responsive to toasting space con-



ditions for setting the timing mechanism upon initiation of the toasting interval to fix the duration thereof in accordance with initial toasting space temperatures.

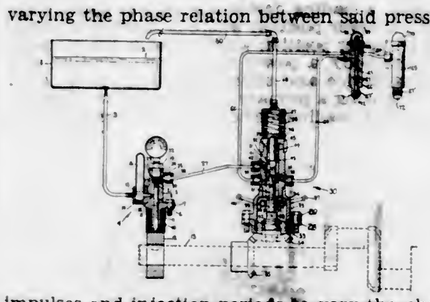
2,101,063
MUZZLE ATTACHMENT FOR GUNS
Samuel G. Green, Gray, Ga.
Application October 16, 1936, Serial No. 105,951
3 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination with a jacket adapted to contain a fluid medium, a bearing at the end of the jacket, a gun barrel arranged to reciprocate within the jacket, a tubular adapter on the muzzle of the gun barrel and having an enlarged head spaced from the end of the gun barrel and capable of moving into the bearing, a sleeve attached to the adapter forwardly of the gun barrel and bearing against the head of the adapter, said sleeve slidably mounted in the bearing and having apertures for circulation of the fluid medium, and a device mounted on the head of the adapter for receiving the gases of explosion and having a diameter less than the bearing whereby it is capable of moving into the bearing.

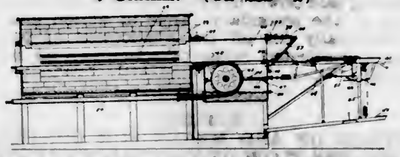
2,101,064
FUEL SYSTEM FOR INTERNAL COMBUSTION ENGINES
Richard W. Hautzenroeder, Mansfield, Ohio
Application September 26, 1933, Serial No. 691,040
24 Claims. (Cl. 123—139)

1. The method of injecting a fuel charge into the combustion chamber of a Diesel engine, which comprises subjecting an impounded quantity of fuel under pressure to intermittent pressure impulses, venting a quantity of such impounded fuel to the combustion chamber during injection periods which occur in predetermined timed relation to said pressure impulses, and varying the phase relation between said pressure



impulses and injection periods to vary the character of the injection.

2,101,065
HEAT TREATMENT FURNACE
Carl I. Hayes, Providence, R. I.
Application March 28, 1935, Serial No. 13,451
7 Claims. (Cl. 263—2)



1. In a heat treatment furnace, a heat treatment chamber, a cooling chamber communicating therewith, means for enveloping work in said chambers in an atmosphere of inflammable gas, and means comprising igniting material positioned in the base of the cooling chamber and contacted by said atmosphere for preventing formation of an explosive mixture in said furnace.

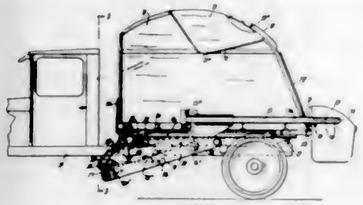
2,101,066
NITROCELLULOSE EMULSION
Cleveland B. Hollabaugh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1937, Serial No. 123,725
12 Claims. (Cl. 134—79)

1. A nitrocellulose emulsion for the formation of a continuous, non-porous, adherent film on the surface of porous, absorbent material comprising a viscous, substantially water-immiscible solution of nitrocellulose emulsified in disperse phase in an aqueous solution of an emulsifying agent, the viscosity of the emulsified nitrocellulose solution being adjusted with respect to a given porous material by forming the solution with nitrocellulose of a viscosity characteristic and in amount with relation to the volatile content of the solution so that upon drying on the surface of the porous material a continuous film of nitrocellulose will be deposited upon the surface of the material without substantial penetration into the body thereof and the emulsion being stabilized by mechanical treatment, as by treatment with a colloid mill or homogenizer.

2,101,067
MATERIAL HANDLING APPARATUS
William S. Howard, Detroit, Mich., assignor to B. Nicoll & Company, Inc., New York, N. Y., a corporation of New York
Application October 22, 1935, Serial No. 46,068
7 Claims. (Cl. 214—77)

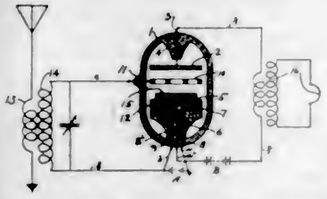
1. Apparatus for handling material comprising in combination, a chassis, a body tiltably mounted

thereon, a loading device mounted to operate between a lower position where it receives material and an upper position where it loads the material into the body, a power device for operating said loading device and tilting said body, said power device having a primary range of action for operating said loading device and a secondary and



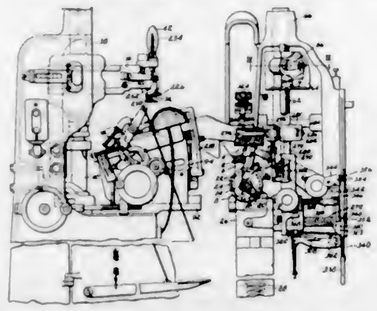
greater range of action including said primary range of action, and in the same direction, for raising said body, and means for selectively conditioning said power device to act through the primary or the secondary range of action and to automatically cut off the application of power when the selected range of action has been attained.

2,101,068
METHOD OF AND MEANS FOR CONTROLLING THE FLOW OF ELECTRIC CURRENT
Merion J. Huggins, Upper Saddle River, N. J.
Application July 12, 1935, Serial No. 30,963
5 Claims. (Cl. 250—27)



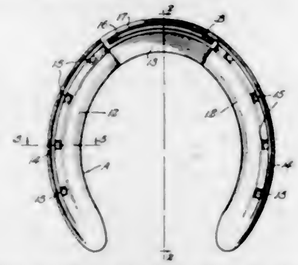
1. The method of controlling the transfer of electric energy through space, comprising providing an evacuated vessel having sealed therein oxygen gas and a plurality of electrically chargeable electrode elements including an oxidizable electrode element at which the gas is accumulated and electro-chemically effecting oxidization of said electrode and the composition of an oxygenic atomic conductor at the oxidizable electrode and another of said electrode elements co-operating with the oxidizable electrode element, initiating de-oxidization of the oxidizable electrode element and atomic conductor and emission of oxygen atoms therefrom by an electric charge on said oxidizable electrode element, effecting the emission of oxygen from and a degree of de-oxidization and electric conductivity of the atomic conductor and the discharge of a constant carrier current between said electrodes by said emitted atoms by an electric charge on the co-operating electrode element, and effecting an increase in the emission of oxygen atoms from and the de-oxidization and electric conductivity of the atomic conductor and electric energy discharge to vary the electric energy discharge between the oxidized and co-operating electrode elements by and conformably with an electric charge on a third of said electrode elements.

2,101,069
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 18, 1936, Serial No. 116,589
34 Claims. (Cl. 12—12)



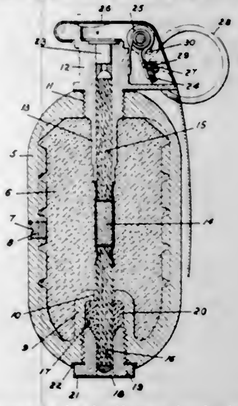
17. In a lasting machine, wiping means for wiping the marginal portion of an upper inwardly over a convex bottom face of a last, and means for effecting a predetermined amount of relative movement of said wiping means and the last heightwise of the last in automatically determined time relation to the wiping operation to maintain the pressure of the wiping means on the marginal portion of the upper substantially uniform during that operation.

2,101,070
HORSESHOE
Shawl J. Kelley, Baltimore, Md.
Application June 15, 1936, Serial No. 85,421
1 Claim. (Cl. 168—4)



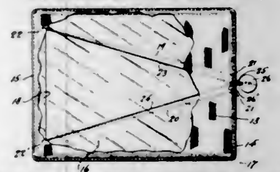
A racing horse-shoe comprising a body member formed of light weight material shaped to fit the foot of the horse, said body member having a raised rim and side portions whose ground engaging faces are convex and slope gradually from the raised rim toward the interior, a built-up toe portion intermediate the side portions of substantially greater thickness than the side portions, and a steel insert at the rim of the toe portion forced into the body member while said body member is hot and plastic, said insert having a crimped root portion anchored within the metal of the body member the exposed portion of said insert being vertical on the inside and beveled on the outside, the bevel sloping from the tip of the insert toward the body member, said insert being of substantially the same length as the built-up toe portion of the body member, and being braced by the extra thickness of said built-up portion.

2,101,071
GRENADE
John M. King, Dover, N. J.
Application September 30, 1935, Serial No. 42,868
2 Claims. (Cl. 102—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a grenade including a body having coaxial apertures in opposite ends, a fuse unit comprising a fuse head mounted in one of the apertures and extending into the body, a tube on the inner end of the fuse head, a detonator in the tube, a first time fuse in the fuse head leading to the detonator, a second time fuse carried by the end of the tube and extending through the other aperture in the body, and a firing mechanism carried by the fuse head for igniting the first time fuse.

2,101,072
WAXING DEVICE
Russell B. Kingman, Orange, N. J.
Application January 21, 1937, Serial No. 121,393
10 Claims. (Cl. 91—54.7)



1. A pad having an expressible polishing content and a pervious facing member therefor through which said polishing agent may be gradually expressed by pressure and movement imparted to the pad in use, an impervious protective material initially disposed intermediate said polishing agent content and said facing member, and manipulatable means cooperative with said protective material operable to condition the same to permit communication of said polishing agent content to said facing member for exudation therethrough.

2,101,073
STRUCTURAL BUILDING ELEMENT AND BUILDING MADE THEREFROM
Guy F. Kotrbaty, New York, N. Y., assignor to Ferrocon Corporation, Bryn Mawr, Pa., a corporation of Delaware
Application December 20, 1934, Serial No. 758,345
29 Claims. (Cl. 72—1)

1. An improved wall and floor joint construction, including, in combination, vertical channel supporting members having locking flanges in mutually abutting engagement forming a composite structural member, and stirrup members



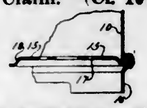
around the composite structure of the channel members and provided with lateral flanges respectively spaced from each other, and adapted to receive floor supporting members.

2,101,074
BUILDING SYSTEM AND CONSTRUCTION UNITS AND ELEMENTS THEREFOR
Guy F. Kotrbaty, New York, N. Y., assignor to Fer-O-Con Corporation, New York, N. Y., a corporation of Delaware
Application April 22, 1935, Serial No. 17,591
18 Claims. (Cl. 72—1)



1. A structural composite stud member comprising a two-part abutted and latticed channel construction, one side edge of each channel having unilateral mating sections including a channeled angular flange on one section and a straight, angular flange on the other sections fitting the channeled flange in a sliding fit, and movable laterally into operative position therein, bent-over key-receiving flanges on the other edges of the channels, and bi-laterally channeled keying means fitting over and engaging the said keying flanges in longitudinal sliding keying engagement.

2,101,075
FOOD DISPENSING DEVICE
Franz Kielsen Krag, Chicago, Ill.
Application June 3, 1935, Serial No. 24,679
1 Claim. (Cl. 107—52)



A dispensing device comprising a cylinder, a piston slidably mounted in the cylinder, a perforated disk removably mounted in the lower end of the cylinder, said disk having an annular flange extending angularly therefrom, the outer diameter of the flange being less than the diameter of

the bore of the cylinder, and a second annular flange extending outwardly from the outer edge of the former flange, and means for detachably clamping the second flange onto the end of the cylinder with the disk surface above or below the second flange as desired.

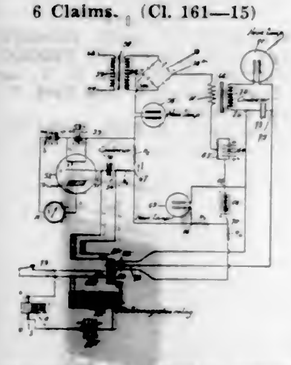
2,101,076

ELECTRIC TIME INDICATOR FOR SOUNDING APPARATUS

Louis Auguste Marie Joseph Laboureur, Paris, and Raymond Dubois, Asnieres, France

Original application May 11, 1932, Serial No. 610,676. Divided and this application August 7, 1933, Serial No. 684,110. In France May 20, 1931

6 Claims. (Cl. 161—15)



1. An electric time indicator comprising: a condenser, a triode lamp having a filament, a grid, and a plate, a source of plate tension, a source of filament tension, a condenser charging circuit comprising a resistance, a source of constant potential difference and the filament to grid space of the said triode lamp and including said condenser, said space functioning as a unilateral conductor permitting the charge of the condenser but preventing its discharge; means for starting the charging of the condenser, means for stopping said charging at the end of the phenomena to be measured, and means for measuring the variation in anodic current of the triode lamp under the action of the charge acquired by the condenser, from the variation of which the time is measured.

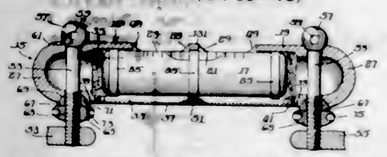
2,101,077

SPIRIT LEVEL AND MOUNTING

Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware

Application November 2, 1934, Serial No. 751,241

20 Claims. (Cl. 33—73)



1. A spirit level comprising a substantially cylindrical vial and a housing in which said vial is mounted, said housing comprising a cylindrical shell provided with spaced openings on one side and an elongated opening on the opposite side, and a removable cover for said elongated opening, said cover comprising a strip of less width than said elongated opening and secured at its opposite ends on said shell and having lateral ears extending to and engaging the opposite side edges of said elongated opening.

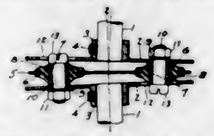
2,101,078

FLEXIBLE COUPLING

Hugh C. Lord and Thomas Lord, Erie Pa.; said Thomas Lord assignor to said Hugh C. Lord

Application July 10, 1935, Serial No. 30,653

12 Claims. (Cl. 64—13)



1. In a flexible coupling, the combination of two rotating members spaced axially, one of the members having a joint, comprising a plate with an opening therethrough offset from the axis of the coupling, and an element of resilient material overlapping the plate at the edges of the opening, and secured to the overlapping surface by a surface union, said element projecting into free space within the opening, and being secured at a point spaced from the edges of the opening to the companion member.

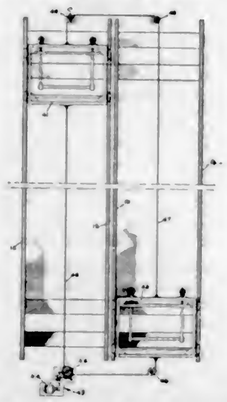
2,101,079

SEDIMENTATION APPARATUS

Nels B. Lund, Seaford, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application October 3, 1934, Serial No. 746,676

15 Claims. (Cl. 210—55)



4. In a sediment collecting reciprocating mechanism for settling tanks, a frame depending into the tank and operable between angular positions in a manner to convey sediment along the tank bottom while travelling in the one direction and to run idle in the other direction, means for holding said frame inoperative during its idle travelling movement and swung out from the bottom in the direction of such movement, an obstruction in the path of the frame and adapted to engage directly upon the frame along the projecting portion thereof for resetting the same to operative position during the final phase of the carriage movement.

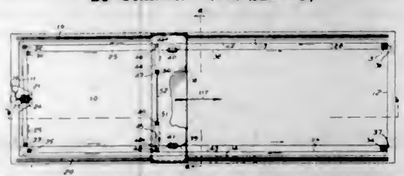
2,101,080

RAKING MECHANISM FOR SEDIMENTATION TANKS

Nels B. Lund, Seaford, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application January 4, 1935, Serial No. 356

10 Claims. (Cl. 210—3)



7. In combination with a rectangular settling tank having a sediment collecting element movable along a path parallel to two opposite walls of the tank and extending substantially transversely with respect to said path; propelling means for said sediment collecting element, including a rope portion operatively supported for driving one end of the sediment collecting element, a plurality of guide means for said rope portion and arranged with respect to the ends of the tank so that the rope portion is in the form of a loop, a part of which extends parallel to and along the length of the path of the sediment collecting element, said rope portion being attached to one end of said sediment collecting element and extending from that element along the path thereof to one of said guide means, thence back over at least another one of said guide means, thence to rotatable rope winding means and back to one end of said sediment collecting element by way of at least one of said guide means; and a second in effect substantially similar rope portion and a similar guide means for the other end of said sediment collecting element; and rotatable rope winding means having stationary mountings, so constructed and arranged as to drive both rope portions.

2,101,081

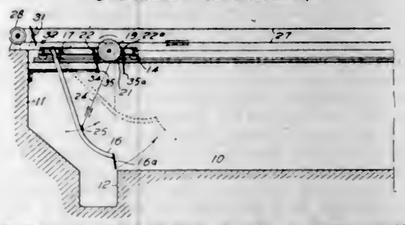
RAKING MECHANISM FOR SEDIMENTATION TANKS

Nels B. Lund, Seaford, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application January 4, 1935, Serial No. 357

Renewed June 19, 1937

9 Claims. (Cl. 210—3)



1. In a sedimentation tank, a reciprocating sludge collecting and conveying mechanism which comprises a carriage; a sludge raking element depending from said carriage supported therefrom for operative and inoperative sludge rake positioning relative to the tank bottom, a reversible carriage-driving means including a linear flexible element for imparting driving pull to the carriage, mechanism associated with said flexible driving element and operable thereby upon the carriage for controlling the positioning of the sludge raking element, abutment means stationary relative to the carriage and control means upon the carriage responsive to said abutment means, said control means thereby, effective to operate the rake positioning mechanism through the driving pull of said flexible element substantially at a point where continued movement of the carriage is arrested.

2,101,082

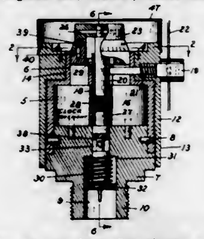
FUSE

Marvin L. Mathsen, Wharton, N. J.

Application June 4, 1935, Serial No. 24,881

10 Claims. (Cl. 102—37)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a fuse, a casing having a neck and a centrally apertured base, an arming sleeve threaded on the outer side of the casing, vanes on the sleeve, a timing unit within the casing and having a rotatable tube extending into the neck of the casing and provided with a slot, a releasable bolt for holding the arming sleeve and tube against rotation, a striker including a locking ring slidably and non-rotatably mounted in the neck of the casing, a cap rotatably mounted on the locking ring, a firing pin fixed to the cap and extending through the timing unit and into the apertured base, a firing pin spring, spring-pressed bolts in the casing and retained by the arming sleeve in the path of the striker, a sleeve on the firing pin, a shear pin connecting the sleeve and firing pin, and a pin on the sleeve engaging the brim of the tube and adapted to enter the slot therein.

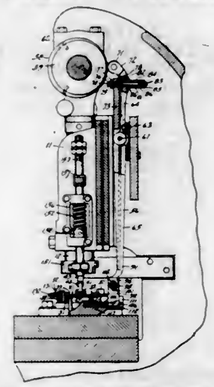
2,101,083

PRESS GAUGE

William J. Mercer, Berkeley, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application February 25, 1936, Serial No. 65,728

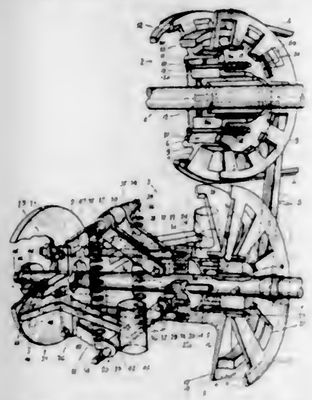
7 Claims. (Cl. 164—59)



1. In a machine adapted to remove an inner

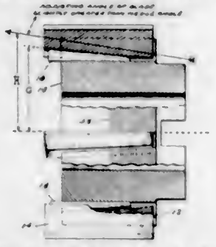
portion of a strip having a scroll edge which embodies adjacent recesses, the combination of die means for severing a portion from the strip which lies between adjacent recesses, and means operating on the sides of two adjacent recesses prior to said severing operation for gauging the strip relative to said die means.

2,101,084
CONSTANT SPEED CONTROLLED DRIVE
Charles J. Meyers, Wilmar, Calif., assignor to William F. Hackett, Los Angeles, Calif.
Application August 11, 1934, Serial No. 739,430
25 Claims. (Cl. 74—230.17)



1. In a device of the kind described, a shaft, a pulley mounted on said shaft, said pulley being composed of parts one of which is rigidly mounted on said shaft and the other axially movable with relation thereto, a disc member loosely mounted on said shaft, a spider fixedly mounted on said shaft, means independent of one another connecting said disc member and said spider with the movable part of said pulley, the connecting means of the spider and movable pulley part comprising oppositely disposed sets of linkage, yieldable means connecting the joints of said linkage, and means initiated by centrifugal force fastened to said spider and acting against said disc member to expand the joints of said linkage in opposition to said yieldable means.

2,101,085
INSERTED BLADE CUTTER
Frank P. Miller, Meadville, Pa.
Application March 31, 1934, Serial No. 718,485
4 Claims. (Cl. 29—105)



1. In an inserted blade cutter, a carrier having a slot, a blade in said slot and having a cutting end portion, a wedge in said slot and disposed beneath and in lifting relation to the blade, said slot and said blade being formed with complemental side walls diverging in the direction of the cutting end portion of the blade and converging radially outward to define a blade adjusting line at an acute angle to the longitudinal axis of the body, said wedge being formed with a lifting angle less than the angle of the blade adjusting line with respect to the longitudinal axis of the body.

2,101,086
GUN
Wiley T. Moore, United States Army, Wright Field, Ohio
Application April 14, 1934, Serial No. 720,625
18 Claims. (Cl. 89—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



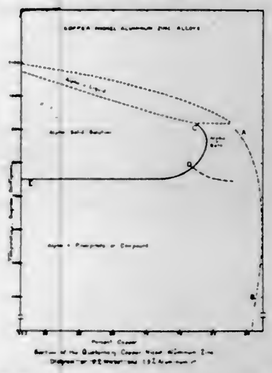
1. In a gun, a receiver having recesses with locking faces, a barrel attached to the receiver, a slide mounted for reciprocal movement in the receiver, a breech bolt disposed in the receiver and supported on the slide, said bolt having recesses at opposite sides adjacent its front end, a pair of locking levers carried by the bolt and each pivotally mounted at its front end for movement into and out of one of the recesses in the bolt and into one of the recesses in the receiver, each locking lever having an eccentric rear face engageable with the locking face of the receiver, a crank arm on each lever and having a cam slot, and a stud on the slide inserted in the cam slot of each crank arm.

5. In a gun, a receiver, a reciprocating breech bolt in the receiver, a sear carried by the bolt, a casing on the receiver, a plunger in the casing, an arm on the upper end of the plunger and having a cam face, a second arm on the upper end of the plunger and having rectangular faces, a compression and torsion spring normally depressing the plunger so that its lower end projects from the casing and the arms are out of the plane of the sear, means for restricting the plunger to a vertical movement when the arm with the cam face is positioned in the path of the sear, and means for restricting the plunger to a vertical movement and to a limited rotational movement when the second arm is positioned in the path of the sear, and means for elevating the plunger.

10. In a gun having a cartridge belt feed-way, a cover for the feed-way having a centrally located opening, a member on the upper side of the cover and having a lug extending through the opening and adapted to serve as a link-stripper, and a spring yieldingly holding said member in place.

16. In a gun, a receiver, a cover for the receiver having a longitudinally extending opening, a breech bolt reciprocally mounted in the receiver and having a rib on its upper side riding in the opening in the cover, a plate secured to the cover and having a channel for accommodating the rib on the breech bolt and means on said plate projecting through the cover and serving to eject a cartridge from the breech bolt upon recoil of said bolt.

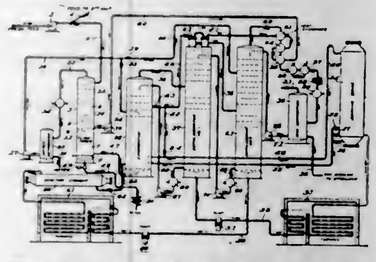
2,101,087
COPPER BASE ALLOY
Elmer L. Munson, Naugatuck, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application February 18, 1937, Serial No. 126,389
10 Claims. (Cl. 75—155)



1. An alloy composed of copper, nickel, zinc and aluminum in proportions within the following ranges:

	Percent
Copper	66 to 95.5
Nickel	3 to 30
Aluminum	0.5 to 4
Zinc	1 to 30.5

2,101,088
TREATING HYDROCARBON OILS
Charles W. Nofsinger, Orange, and Percy C. Keith, Jr., Short Hills, N. J., assignors to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application December 1, 1931, Serial No. 578,374
7 Claims. (Cl. 196—48)

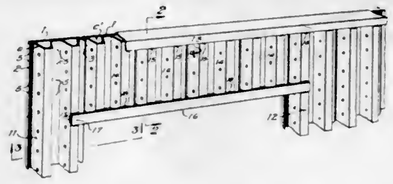


6. The process of treating hydrocarbon oil which comprises passing a clean distillate oil through a cracking zone wherein said oil is raised to a cracking temperature and subjected to conversion, introducing the resulting cracked products into a low point in an evaporating zone wherein vapors separate from liquid residue, passing resulting vapors upwardly through said evaporating zone and into a fractionating zone wherein fractional condensation thereof occurs, removing the fractionated vapors and condensing them as a desired product, utilizing resulting reflux condensate as a source of said clean distillate oil first mentioned, removing liquid residue from said evaporating zone and introducing it into a separate flashing zone wherein vaporization of lighter fractions thereof occurs, contacting fresh relatively heavy charging stock with resulting flashed vapors to cause partial vaporization thereof, collecting unvaporized portions of said fresh charging stock and condensed heavier fractions of the flashed vapors and introducing the resulting mixture, without intermediate passage through a cracking zone, into a higher point in said evaporating zone above the liquid level therein in countercurrent contact with the vapors rising therethrough so that said mixture is subjected to partial vaporization before any portion thereof contacts directly with the hot cracked products at the point of introduction thereof into said evaporating zone and at the same time introducing into said evaporating zone at a still higher point a lighter, relatively clean distillate oil, as a refluxing medium which serves to wash from the rising vapors undesirably heavy constituents.

2,101,089
LATEX STABILIZATION
Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
No Drawing. Application November 21, 1934, Serial No. 754,124
10 Claims. (Cl. 18—50)

1. A liquid system for impregnating fibrous materials, comprising, rubber latex, a stabilizing agent for said latex including essentially an alkali metal salt of a polybasic weak acid, and an anti-foaming agent compatible with said system.

2,101,090
COMPOSITE GIRDER CONSTRUCTION
George Vincent Palmer, Los Angeles, Calif., assignor, by mesne assignments, to Roy Lacy, Los Angeles, Calif.
Application April 15, 1936, Serial No. 74,447
7 Claims. (Cl. 189—37)

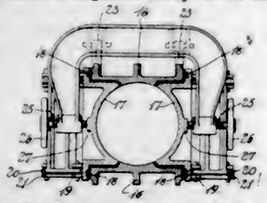


1. A composite girder which comprises a plurality of vertically extending sectional metal elements each provided with one or more vertically extending hollow cells and disposed in contiguous relationship to form a wall, a transverse compression member extending along one end of said elements and secured thereto, and a transverse tension member extending along the other end of said elements and secured thereto.

2,101,091
STONE BOX
Paul R. Parker, Brooklyn, N. Y., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application July 23, 1936, Serial No. 92,059
3 Claims. (Cl. 302—64)

1. In a stone-box for the pipe line of a hydraulic dredge, the combination of: a section of cylindrical pipe; on each side thereof a door of substantially the height of the pipe, hinged to

the pipe, and swingable away so as to completely



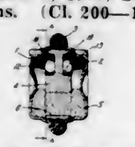
clear the door-opening; and unitary clamping means for the two doors.

2,101,092
LIQUID CONTACT SWITCH
John H. Payne, Jr., Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application December 28, 1934, Serial No. 759,527
5 Claims. (Cl. 200—152)



1. An electric switch comprising the combination of a plurality of dished metal members shaped to form an enclosure, an apertured partition of arc-resisting material interposed between said members and spacing them apart, a fillet of glass sealed to said members and to said partition at the peripheral edges thereof for hermetically sealing the enclosure formed by said members, and a body of liquid conducting material in said enclosure whereby electrical circuit between said members may be made and broken.

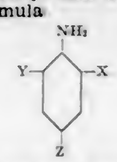
2,101,093
BARRIER FOR MERCURY SWITCHES
John H. Payne, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1935, Serial No. 47,801
5 Claims. (Cl. 200—152)



1. In an electrical switch containing a liquid contacting medium, a contact-governing barrier having an aperture therein adapted to be successively immersed in and withdrawn from said medium by rotation of said switch, said barrier being provided with a depression extending only partially therethrough and positioned to be immersed in said medium as said aperture is withdrawn therefrom.

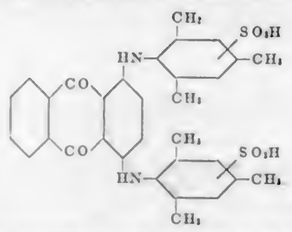
2,101,094
ARYLAMINO ANTHRAQUINONE DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE
Albin Peter, Basel, Switzerland, assignor to the firm Chemical Works formerly Sandoz, Basel, Switzerland
No Drawing. Original application March 13, 1935, Serial No. 10,938. Divided and this application December 28, 1936, Serial No. 117,973. In Germany March 21, 1934
8 Claims. (Cl. 260—60)

1. A process for the manufacture of anthraquinone dyestuffs, consisting in condensing anthraquinone derivatives containing in α-position two members of the group consisting of halogen and hydroxy with an aromatic amine of the general formula

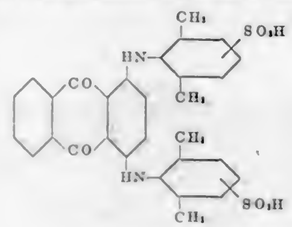


wherein X stands for a member of the group consisting of methyl and ethyl, Y stands for a member of the group consisting of methyl, ethyl and halogen and Z stands for a member of the group consisting of hydrogen and methyl.

7. The anthraquinone dyestuff of the formula



8. The anthraquinone dyestuff of the formula



2,101,095
PROCESS OF MAKING ELECTRICAL HEATERS
George E. Price, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1934, Serial No. 748,027
13 Claims. (Cl. 201—67)



1. The method of increasing the value of the electric-insulation characteristic of a layer of magnesium oxide located around a resistor and inside of an open ended metal casing which includes the steps of locating the assembly in a substantially vertical position in a heated solution of boric acid for a length of time of from one-half hour to six hours to cause the solution to circulate through the casing and deposit a coating of boric acid on the magnesium oxide and then subjecting the assembly to a temperature on the order of 600° F. to 900° F. for a length of time on the order of three hours.

2,101,096
PRODUCTION OF MERCAPTANS
Raymond Reuter, Upper Aetna Lake, Medford Lakes, N. J., and Frank L. Gaus, Philadelphia, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application February 15, 1935, Serial No. 6,652
8 Claims. (Cl. 260—156)

1. A process for producing mercaptans having a lesser number of carbon atoms to the molecule than the olefine hydrocarbons from which they are produced, which comprises reacting a branched-chain olefine hydrocarbon polymer with hydrogen sulfide at a temperature of from about 100° C. to about 300° C., and under superatmospheric pressure, in the presence of a catalyst for promoting depolymerization of the olefine hydrocarbon polymer and reaction thereof with hydrogen sulfide.

2,101,097
PRODUCTS FOR RENDERING THE URINE BACTERIOSTATIC
Theodore H. Rider, Mariemont, and Robert Shelton and John Haynes, Cincinnati, Ohio, assignors to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application July 26, 1934, Serial No. 737,102
8 Claims. (Cl. 167—65)

1. A therapeutic agent for oral administration for rendering the urine bacteriostatic comprising the esters of those simple organic acids selected from the group consisting of aceto acetic acid, hydroxy-butyric acid, butyric acid, phenol butyric acid, valeric acid, iso-valeric acid and crotonic acid, the administration of which acids is known to cause the excretion of acetone bodies in the urine when administered as acids.

2,101,098
METHOD OF MAKING ELECTRIC HEATING UNITS AND RESULTANT PRODUCT
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1934, Serial No. 748,024
9 Claims. (Cl. 219—37)

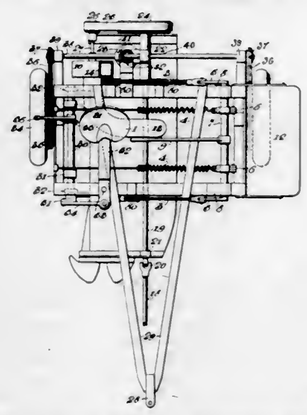


1. The method of making an enclosed electric heating unit embodying similarly grooved metal plates which includes the steps of locating a resistor in the grooves, disposing the plates in face-to-face position, locating a yieldable gasket between the outer peripheral portions of the plates, securing the plates together at a plurality of spaced points within the periphery of the plates and sealing said peripheral portions by lapping one over the other to tightly compress the gasket between them.

2,101,099
MANGANESE COMPOUNDS OF NUCLEOTIDES AND OF THEIR HYDROLYTIC DECOMPOSITION PRODUCTS
Simon L. Ruskin, New York, N. Y., assignor to Frances R. Ruskin, New York, N. Y.
No Drawing. Application December 27, 1932, Serial No. 648,993
8 Claims. (Cl. 167—68)

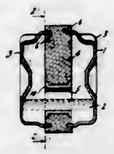
1. The combination of manganese and an isolated mononucleotide.

2,101,100
COTTON PICKING MACHINE
John D. Rust and Mack D. Rust, Memphis, Tenn.
Application October 16, 1935, Serial No. 45,337
20 Claims. (Cl. 56—14)



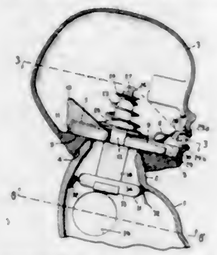
1. In a cotton picking machine, an endless-chain-carried set of spindle-carrying slats whose spindles are arranged in a plurality of horizontal rows, a tunnel through which the spindles are carried to gather cotton, and a combined shock-absorbing and spindle-surface-conditioning means located adjacent the entrance of the tunnel.

2,101,101
LIQUID CONTACT CIRCUIT CLOSER
Robert F. Sambleson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application January 14, 1937, Serial No. 120,546
6 Claims. (Cl. 200—152)



1. In a liquid contact circuit closer, an envelope containing a quantity of mercury, the major portion of said envelope comprising opposed metal terminals, a diaphragm of glass therebetween having a glass-to-metal seal with the edges of said terminals for completing the enclosure of the envelope, said diaphragm being adapted to separate the mercury into two pools in one position of the circuit closer whereby the circuit between the terminals is interrupted and having an opening therein arranged to be submerged in the mercury in another position of the circuit closer whereby the circuit between the terminals is completed through the mercury, said opening being arranged so that the circuit between the terminals is completed and interrupted in the mercury within said opening as the circuit closer is moved between said positions, and a lining for the opening of insulating material resistant to wear under the influence of an electric arc.

2,101,102
DOLL
Edward G. Schaeffer, New York, N. Y., assignor to Cecilia E. Bowers, Washington, D. C.
Application July 9, 1935, Serial No. 30,553
16 Claims. (Cl. 46—135)



1. A doll including a torso, a hollow head movably mounted on the torso and provided with a face having an elastic portion surrounding the mouth, mechanism for varying the facial expression of the doll including movable members cooperable with said elastic portion, and means controlled by relative movement of the head and torso for actuating said movable members.

2,101,103
METHOD OF TREATING MILK
Edward W. Smith, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
No Drawing. Application March 17, 1936, Serial No. 69,365
8 Claims. (Cl. 99—54)

8. Method of treating whole milk which comprises separating most of the cream from the milk, passing the separated milk containing a very small quantity of cream through a pressure homogenizer adjusted to produce a sufficiently fine dispersion of the cream in the milk to preclude substantial subsequent separation and thereby reduce the curd tension of the milk and passing the milk so treated together with the initially separated cream through the pressure homogenizer adjusted to disperse the cream in sufficiently large particles to permit subsequent separation thereof from the milk.

2,101,104
CATALYST FOR HYDROGENATING HYDROCARBONS
Harold M. Smith and Harry T. Rall, Bartlesville, Okla.
Application April 26, 1934, Serial No. 722,518
11 Claims. (Cl. 260—168)
(Granted under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

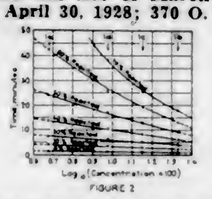
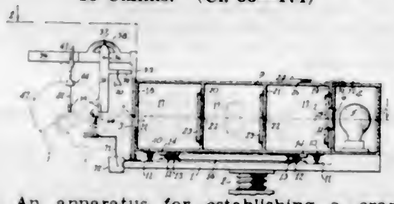


FIGURE 2

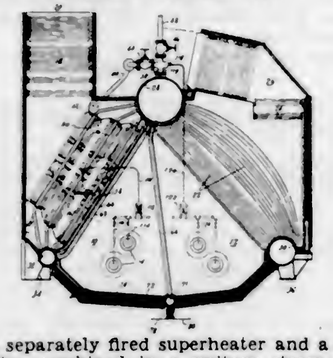
1. A method for effecting controlled hydrogenation in a continuous flow process wherein hydrogen evolved concurrently with a mixture of hydrocarbons, containing a polynuclear aromatic is caused to react with and to effect a controlled saturation of the aromatic and which consists in contacting the reactants with a hydrogenating catalyst for a time interval, which at a constant hydrogen pressure within the pressure range of 10 to 60 cm. of mercury and at a temperature within the temperature range of 95° to 200° C. is determined as being a function of the concentration of the catalyst for the amount of reaction desired.

2,101,105
APPARATUS FOR ESTABLISHING A STANDARD CRANIAL POINT OF ORIENTATION
Edgar W. Snell, San Francisco, Calif.
Application November 17, 1933, Serial No. 698,529
13 Claims. (Cl. 33—174)



1. An apparatus for establishing a cranial point of orientation comprising a platform, means for raising and lowering the same, a mirror arranged vertically on the platform and having a horizontal slot therein, a light chamber rearwardly of the mirror and spaced therefrom and having a light opening toward the mirror, and a box interposed between the mirror and the light chamber and having slots in horizontal alinement with the slot of the mirror.

2,101,106
SUPERHEATER BOILER
Thomas B. Stillman, South Orange, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application July 12, 1935, Serial No. 30,950
7 Claims. (Cl. 122—473)

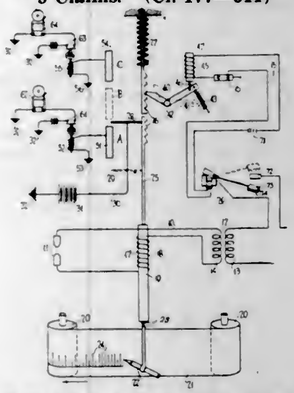


1. A separately fired superheater and a steam generator combined in a unitary steam power installation from which wholly saturated steam or wholly superheated steam may be optionally supplied, means forming a steam and water chamber which acts as a separator, means forming two independently operable furnaces with separate gas outlets on opposite sides of the separator, means forming submerged water chambers below the separator and on opposite sides thereof, inclined steam generating tubes arranged in opposite banks each of which directly connects one of said water chambers to the separator, the tubes of each bank being respectively wholly disposed over one of said furnaces, upright tubes disposed between said furnaces and connected to said separator, means connecting said upright tubes into the boiler circulation, refractory means supported by the upright tubes and closing the inter-tube spaces to complete a fluid cooled wall separating the furnaces, a superheater disposed wholly over one of said furnaces, and means for optionally discharging steam from said separator through said superheater or direct to use.

2,101,107
MOLDING COMPOSITIONS AND PROCESS OF MOLDING
Daniel E. Strain, Wilmington, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 26, 1935 Serial No. 18,391
16 Claims. (Cl. 18—55)

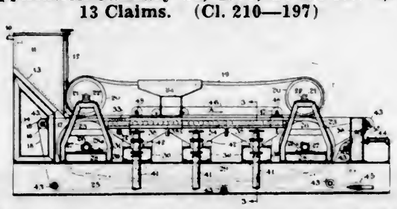
1. Process of molding methacrylic acid esters which comprises intimately admixing a polymeric mono-methacrylic acid ester with a monomeric poly-methacrylic acid ester and molding the resulting composition under pressure and at a temperature of not less than about 80° C. whereby said monomeric poly-methacrylic acid ester is substantially polymerized.

2,101,108
WELD EFFICIENCY INDICATOR
John P. Tarbox, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 13, 1932, Serial No. 611,223
5 Claims. (Cl. 177—311)



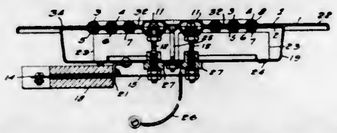
4. In a weld energy consumption indicator the combination of a spot welding circuit, a control circuit operable upon energization to supply a welding impulse to the welding circuit, a solenoid connected with said welding circuit and having an armature responsive in the extent of its movement to the product of a function of the current flowing therein multiplied by the time of flow, means for retaining said armature in actuated position, means selectively responsive to successive degrees of movement of said armature for indicating different current-time products, and means operable upon de-energization of the control circuit to release said retaining means.

2,101,109
METHOD OF AND APPARATUS FOR THE EXTRACTION OF LIQUID FROM MATERIALS
William R. Thomson, Toronto, Ontario, Canada
Application January 23, 1935, Serial No. 2,977
13 Claims. (Cl. 210—197)



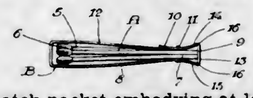
1. In apparatus of the character described, the combination of a stationary suction member provided with a suction port, an endless flexible suction mat provided on one surface with a drainage groove, a soft non-metallic filter web supported on said mat, means integral with said mat maintaining said filter web in slightly spaced relation to the body of said mat, and passages in said mat respectively leading from said groove to spaced openings on the body of said mat and providing communication between said groove and the suction port in said stationary member.

2,101,110
HEATING UNIT
Frank Thornton, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1932, Serial No. 620,402
6 Claims. (Cl. 219—37)



1. In an electric heating device for operation in air at red heat, a resistance heater comprising a helically wound resistor conductor and a body of homogeneous, thermally-conductive, compressed, electrically-insulating material surrounding said conductor over its entire length and surface and substantially plane sheet metal members formed to enclose said heater and closely contact with said insulating material, said sheet metal members being united to hermetically seal said heater.

2,101,111
MATCH PACKET
Henry C. Traute, Monmouth Beach, N. J., assignor to The Diamond Match Company, Wilmington, Del., a corporation of Delaware
Application December 11, 1936, Serial No. 115,291
4 Claims. (Cl. 206—29)



1. A match packet embodying at least one card or comb of matches provided with a flexible cover comprising a body having a fold which overlies the proximate face of the butt portion of the card or comb, and a rectangular end portion providing a flat friction bearing surface of substantial

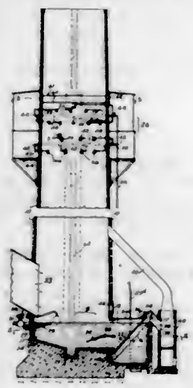
width connecting said body and fold, said end portion being exteriorly coated with ignition material and extended laterally beyond and medially supported longitudinally of the opposing free edge of the said butt portion, and means closely uniting the said fold, butt portion and cover, said means being spaced from the free edge of the butt portion, and the parts of the fold and cover body adjacent the rectangular end portion of the cover diverging from said butt portion to the respective longitudinal edges of said end portion and serving as lateral braces therefor.

2,101,112

APPARATUS FOR THE UTILIZATION OF THE HEAT OF FLUE GASES OF A FURNACE TO HEAT A LIQUID

Edward Henry Vicary, Port Angeles, Wash., assignor to Rainier Pulp & Paper Company, San Francisco, Calif., a corporation of Delaware

Application October 19, 1934, Serial No. 749,130
6 Claims. (Cl. 159—16)



5. In a device for the utilization of the heat of flue gases to heat a liquid, the combination of a stack and a spray means disposed in said stack, said spray means comprising a plurality of downwardly directed nozzles, each of which is adapted to spray liquid over a circular area, a part of which nozzles are disposed in a circle, a part in another circle concentric with and of less diameter than said first mentioned circle and the spray area of the nozzles in one circle overlapping with the spray area of the nozzles in the other circle, another part of said nozzles disposed in like concentric circles but substantially superimposed above said first mentioned circles, and said last mentioned nozzles being disposed in off-set relation with respect to the nozzles of said first mentioned circles.

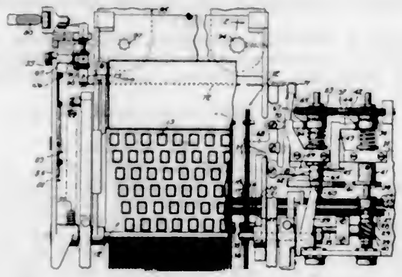
6. A device for the utilization of the heat of flue gases to heat a liquid embodying a stack; a flue conducting heated gases to the bottom portion of said stack and upon the surface of the liquid; and a reservoir containing liquids to be heated located in the bottom portion of said stack and positioned to have the surface portion thereof swept by flue gases, said reservoir comprising a portion in which the surface of the liquid to be heated is relatively disturbed by said heated gases and a pocket in which the surface of the liquid to be heated is relatively undisturbed by said heated gases and into which said flue gases floatingly urge the surface portion of the liquid, the surface of the liquid in said pocket and said portion being continuous whereby bodies of matter may be floatingly passed from the disturbed portion of the liquid to said pocket.

2,101,113

CONTROL UNIT FOR LINE CASTING MACHINES

Lester M. Walden, Chicago, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application February 16, 1933, Serial No. 656,984
19 Claims. (Cl. 199—18)



1. In a line composing machine, an automatic control unit, an elevator for raising assembled matrices initiated by said unit, means for arresting the operation of said unit during the transit of said elevator and until it returns to a normal position, and means for permitting a partial return only of said elevator and for thereby preventing the resumption of operation of said unit in the event of an unsuccessful attempt at operation of said elevator.

2,101,114

FLUID FLOW ELECTRIC SWITCH AND METHOD OF AND APPARATUS FOR MANUFACTURE OF SAME

Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application June 26, 1935, Serial No. 28,560
12 Claims. (Cl. 200—152)



1. An electric switch comprising the combination of an apertured disc, a pair of metallic members whose rims are shaped to closely fit the edges of said disc for an appreciable distance without making contact with each other, a thin coating of thermoplastic insulating material between the overlapping portions of said disc and each of said metallic members, whereby the foregoing elements comprise a hermetically sealed envelope having two chambers connected by the aperture in said disc, said thermoplastic material having a composition which is workable to hermetically seal said envelope at a low temperature, and mercury within said envelope to connect said metallic members through said aperture in one position of said switch.

2,101,115

ELECTRIC SWITCH OF THE FLUID FLOW TYPE

Warren R. Walker, Short Hills, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application October 29, 1935, Serial No. 47,299
6 Claims. Cl. (200—152)



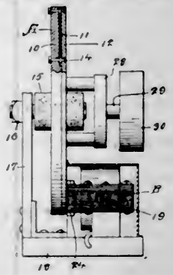
1. An electric switch comprising, in combination, a pair of metallic members hermetically sealed together to form a substantially all metal envelope, said members being insulated from each other, mercury within said envelope in contact with said metallic members over an extensive area, said envelope having a relatively high contact resistance with said mercury despite said large contact area, a refractory member dividing said envelope into two chambers, said refractory member having an opening therein to permit mercury flow therethrough in the closed circuit position of said switch to electrically connect said metallic members, and a coating of platinum of relatively small area in electrical contact with each of said metallic members and with said mercury when said switch is in said closed circuit position to reduce the electrical resistance between said members and said mercury.

2,101,116

ELECTRIC MOTOR

Paul Warnick and Walter H. Scott, Chicago, Ill., assignors to John L. Berggren, Chicago, Ill.

Application June 24, 1935, Serial No. 28,192
6 Claims. (Cl. 172—278)



1. An electric motor comprising a stator having successive poles increasingly lagged, and a rotor having a part of its area continuously exposed to the inductive action of the stator poles, the rotor comprising a duality of flat metal elements of which one is magnetic and the other non-magnetic, the magnetic element being of a high degree of magnetic retentivity.

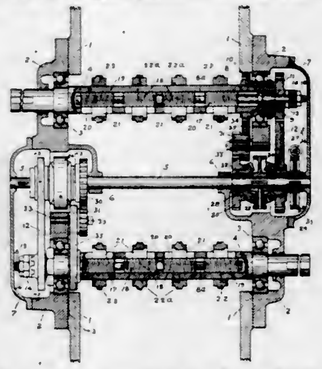
2,101,117

MECHANICAL CONTROL DEVICE

Milton T. Weston, Keansburg, N. J.

Application May 25, 1936, Serial No. 81,597
6 Claims. (Cl. 74—393)

1. In a mechanism of the character described the combination with revolvable parallel tubular shafts one of which may be driven from the other, of co-acting control shafts mounted interior to said tubular shafts and normally revolving therewith but capable of independent rotation therein, and positive means for rotating said co-acting control shafts independently of said tubular shafts at the same or at different rotational speeds at will.



2,101,118

ALUMINUM ALLOY

Henry L. Whitman, Los Angeles, Calif.

No Drawing. Application August 26, 1936, Serial No. 98,076
2 Claims. (Cl. 75—140)

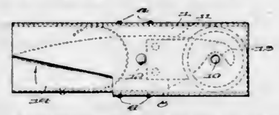
2. An aluminum alloy consisting of from 85% to 90% aluminum, from 4% to 6% of copper, from 2% to 3% of tin, from ½% to 1% of nickel, from ½% to 1% of magnesium, from 1% to 2% of manganese, from ¼% to ½% of silver, the quantity being alloyed together to produce a complete product by fushion at high temperature.

2,101,119

IMPRESSION SEAL

Thomas B. Wilder, Aberdeen, N. C.

Application April 22, 1936, Serial No. 75,823
8 Claims. (Cl. 101—3)



1. In an impression seal, the combination of an impression die movable toward and from the cooperating surface and having a rounded projection thereon, a cam member arranged for wedging movement in a plane extending transversely of the direction of movement of the die for engaging said rounded projection to move the die, and means for operating said cam member.

2,101,120

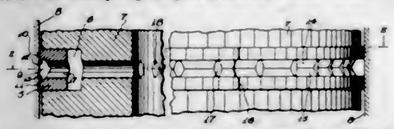
PISTON RING

Frederick W. Wilkening, Narberth, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware

Application January 12, 1933, Serial No. 651,327
Renewed December 12, 1935
3 Claims. (Cl. 309—45)

1. A piston ring comprising a generally annular body interrupted at one point to permit radial expansion thereof, a pair of opposed and substantially equal and spaced cylindrical cylinder-contact surfaces along the outer periphery of the

piston ring, a generally annular outer groove intermediate said two cylindrical cylinder-contact surfaces of a maximum radial depth not substantially greater than one-half of the overall radial thickness of the cross section of the ring, and having outwardly converging conical walls forming with said cylindrical cylinder-contact surfaces opposed and generally equal acute oil-scooping edges spaced from each other



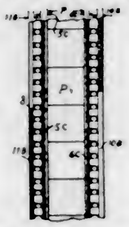
at a distance substantially greater than the axial width of each of said two cylindrical cylinder-contact surfaces and more or less the same as the combined axial widths of the same, and a series of circumferentially distributed generally radial apertures extending through the piston ring from said annular groove to the inner periphery thereof generally in the median plane of the ring at a right angle to the axis thereof.

2,101,121

SOUND RECORDING AND REPRODUCING EQUIPMENT

Howard H. Wixon, Chicago, Ill.

Application May 3, 1929, Serial No. 360,252
16 Claims. (Cl. 179—100.3)



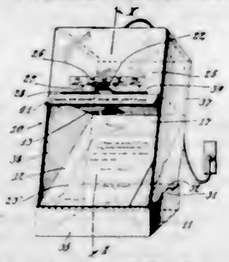
1. A sound film having a multiple sound track recorded thereon, and a switch track also having a switching signal recorded thereon for the purpose of controlling the recorded sounds in relative reproduction upon separate speakers as described.

2,101,122

LIGHT INTENSITY INDICATOR

Cornelius S. Woodside, Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 8, 1935, Serial No. 9,991
5 Claims. (Cl. 35—19)



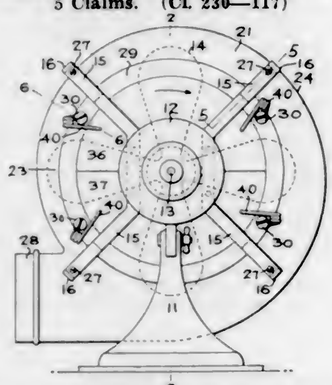
1. A light intensity indicator comprising a housing having an upper chamber with a closed front wall, a lower chamber with a large front opening, a light source in said upper chamber, a member in said lower chamber adapted to receive light from said upper chamber and support a seeing task for inspection through said opening, means between said chambers and movable intermediate said light source and surface for varying the intensity of light illuminating said surface, and means indicating the degree of intensity of light falling on said surface or seeing task in terms of lamp wattage.

2,101,123

BLOWER

Christopher L. Wyche, York, Pa.

Application December 29, 1936, Serial No. 118,629
5 Claims. (Cl. 230—117)



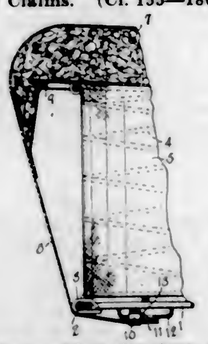
1. An apparatus of the class described, comprising a rotatable fan, an electric motor for operating said fan, a spiral casing enclosing said fan and having an inlet opening adjacent one end of the motor and an outlet opening, a plurality of arms carried by the motor and projecting outwardly therefrom, means for detachably connecting the extremities of said arms with said casing whereby the casing is supported solely by said motor, a ring detachably mounted in said inlet opening of the casing, and a plurality of disks detachably carried by said ring for varying the area of said inlet opening.

2,101,124

SPRING STRUCTURE

Leonard A. Young, Detroit, Mich.

Application December 13, 1935, Serial No. 55,805
10 Claims. (Cl. 155—180)



1. In a spring cushion structure, the combination with a spring supporting base comprising a

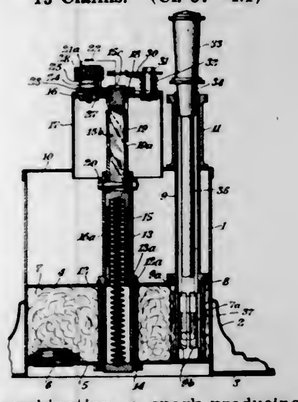
border frame, of body springs assembled on said base, upholstery supported by said springs and provided with a depending skirt having T-studs secured at the edges thereof, the skirt being drawn around the base border frame, and an upholstery attaching frame of channel section disposed on the under side of said base within the border frame and facing upwardly, said upholstery attaching frame having key-hole slots therein disposed with their reduced portions outwardly and receiving said studs, portions of the edges of the slots being struck inwardly to provide detents for said studs.

2,101,125

FLAME PRODUCING MECHANISM

Louis V. Aronson, Newark, N. J., assignor to Art Metal Works, Inc., a corporation of New Jersey

Application October 25, 1934, Serial No. 749,903
15 Claims. (Cl. 67—4.1)



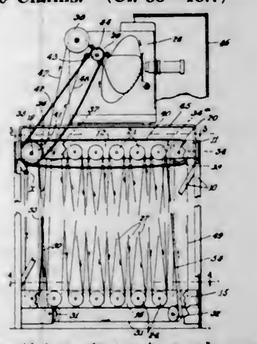
9. In combination, a spark-producing device, means for guiding said device along a path, and means for operating said device to produce sparks during movement thereof along said path, said operating means comprising a torch member partaking of movement with said device, said torch member, during operation of said device, being positioned in the path of the sparks.

2,101,126

ADVERTISING CINEMATOGRAPH

George H. Babb, Brooklyn, N. Y.

Application November 17, 1936, Serial No. 111,209
9 Claims. (Cl. 88—18.7)



1. An advertising cinematograph consisting in the combination with a projector having a film feeding mechanism, of a magazine embodying therein a plurality of closely adjacent upper rows of guides, film feeding means including sprocket wheels at the opposite ends of adjacent rows of guides, a plurality of closely adjacent lower rows of guides spaced vertically from said upper rows of guides, means upon the opposite sides of the guides of each row spacing the guides of one row from those of another row and controlling the run of the film about the guides of each row, and cross-over rollers parallel with each other and having axes oblique to the axes of said guides, whereby an endless film, after passing about guides in said rows, is transferred from a guide on one side of the magazine to a guide at the opposite side thereof, means entraining the film feeding mechanism of said projector and the film feeding means of said magazine, and a guide roller upon said projector adjacent said film feeding mechanism.

2,101,127

MAGAZINE AND FILTER CIGARETTE HOLDER

Paul F. Bruins, Jamaica, N. Y.

Application November 19, 1935, Serial No. 50,515
2 Claims. (Cl. 131—10)



1. A magazine and filter cigarette holder comprising a primary tubular member provided with a mouthpiece and adapted to enclose a cigarette, said member having catch means at its end opposite the mouthpiece and a short non-combustible tube having complementary catch means, said tube being adapted to simultaneously hold two oppositely projected cigarettes, one within the primary tubular member, and one exposed and projected forwardly thereof, and the two being adapted for support by the primary tubular member in either one of two positions, one reversed to the other.

2,101,128

COMPOSITE ARTICLE

Charles A. Cabell, Washington, D. C., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York

No Drawing. Application September 30, 1935, Serial No. 42,886
4 Claims. (Cl. 49—92)

1. A transparent article of commerce in the form of a tube, or the like, comprising a homogeneous mass of predetermined thickness composed of laminations of transparent cellulosic sheet material tightly adhered and contracted on a base of glass.

2,101,129

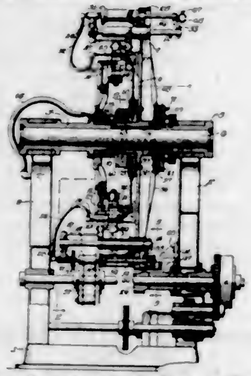
CAN TESTER

Allan M. Cameron, Oak Park, Ill., assignor to Cameron Can Machinery Co., Chicago, Ill., a corporation of Illinois

Application February 24, 1936, Serial No. 65,335
5 Claims. (Cl. 73—51)

1. In a can testing machine, the combination of a testing wheel carrying a plurality of testing receptacles, a delivery wheel provided with a plurality of pockets for receiving cans from said wheel, a defective can chute and a good can chute associated with said delivery wheel, means

including can engaging fingers carried by said delivery wheel for mechanically gripping defective cans to carry them past the good can chute to the defective can chute, and means controlled by the tested cans for actuating said fingers, said



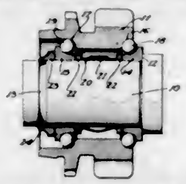
last mentioned means including a dog movable with each finger, a spring pressed lock pin controlling the position of each dog and finger and having a recess for the reception of said dog and means for actuating said pin relatively to said dog.

2,101,130

MOTOR VEHICLE

John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application June 29, 1935, Serial No. 29,167
16 Claims. (Cl. 29—84)



1. The method of assembling a pair of ball bearings in connection with a support in which the bearings are separated by a deformable separator comprising pressing one bearing towards the other to a degree causing deformation of the spacing means beyond its elastic limit and continuing the pressure until the balls of the bearings are under appreciable load, and then securing the bearings to the support with the balls thereof preloaded and with the spacer in its deformed condition.

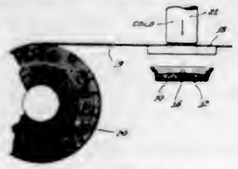
2,101,131

METHOD OF MAKING CENTER SPOT CROWNS

Benno Cohn, Brooklyn, N. Y., assignor to Ferdinand Gutmann & Co., Brooklyn, N. Y., a corporation of New York

Application August 21, 1936, Serial No. 97,094
5 Claims. (Cl. 113—80)

1. A method of making center spot crowns embodying therein the coating of a colloidal solution of albumen upon the exposed face of the cushion disc of a crown, removing a portion of the vehicle of said solution and making it tacky by subjecting it to heat, cutting a center spot disc from an uncoated strip of facing material and forcing it into contact with said coating while it is still tacky, and thereafter subjecting



said center spot to a continuing pressure and to heat to bring said coating to a temperature which will coagulate the albumen.

2,101,132

DEVICE FOR APPLYING MASCARA AND SIMILAR MATERIALS

Lewis Daly and Margaret Johannsen, New York, N. Y.

Application November 9, 1935, Serial No. 48,990
17 Claims. (Cl. 132—1)



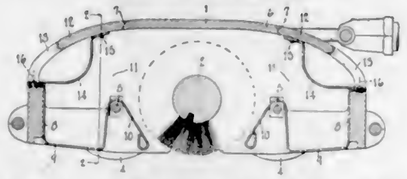
1. An elongated, thin-walled container for plastic materials which has a relatively small area of its walls adjacent one end cut away at a plurality of points and the intervening portions creased to form a plurality of equally spaced apart, substantially V-shaped, outwardly projecting portions together constituting a comblike row of teeth with openings through some portions of each of the oppositely disposed faces thereof communicating with said container's interior; whereby a comblike structure with attached reservoir is produced, the interior of which reservoir is in communication with each space lying between any two adjacent teeth of the comb.

2,101,133

CARPET SWEEPER CASE AND DUSTPAN CONSTRUCTION

Herbert C. Dilliard, East Bangor, Pa., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich.

Application April 6, 1936, Serial No. 72,870
2 Claims. (Cl. 15—41)



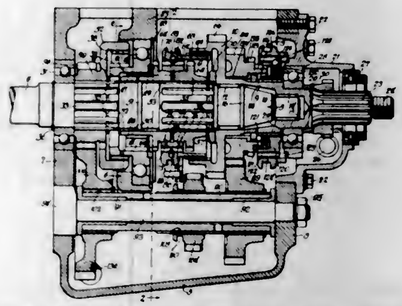
1. In a carpet sweeper having a casing, an elongated rotary brush therein, and floor wheels with an axle extending through the casing, the combination of a removable dust pan disposed parallel with said brush, a guide extending upwardly from adjacent said brush over said axle and to said pan, said pan having an opening to receive sweepings passing over said guide from said brush, the top of said casing having an opening for the removal of said dust pan and said dust pan having a top closing said opening and forming a portion of the top of the casing when said pan is in position in said casing.

2,101,134

TRANSMISSION

Thomas L. Fawick, Akron, Ohio, assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application April 11, 1935, Serial No. 15,764
14 Claims. (Cl. 74—332)



1. A gear set for motor vehicles having, in combination, an internal gear, a composite gear having external teeth meshing with the internal teeth of said internal gear, a first driven member having external teeth meshing with the internal teeth of said composite gear, a driving member fixed to said internal gear and extending through said internal gear, said composite gear and said first driven member, a second driven member fixed on the extending end of said driving member, a driven shaft, a low ratio spur gear on said driven shaft, a countershaft, an external gear section on said internal gear for driving the countershaft, a spline gear shiftably mounted on said countershaft and adapted to be engaged with said low ratio spur gear and to be disposed forwardly of the latter when disengaged therefrom, and a shiftable member disposed generally in the transverse plane of said spline gear in its disengaged position and having permanent slidable splined driving engagement with said low ratio gear for connecting said first and second driven members selectively to said driven shaft.

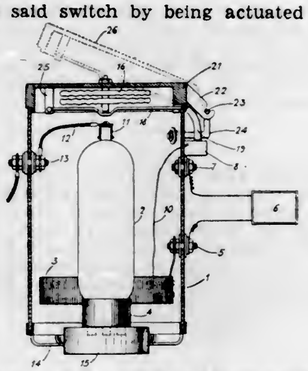
2,101,135

TEMPERATURE CONTROL CONTAINER

James L. Finch, Patchogue, and Lloyd L. Young, Rocky Point, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application August 15, 1935, Serial No. 36,342
6 Claims. (Cl. 219—19)

3. A temperature controlled container for enclosing a rectifier tube comprising a container having a pivoted lid portion to provide the circulation of cooling air around said rectifier tube, a thermostat secured to said lid portion and located within said container, a link member adjacent said thermostat and pivoted at one end of said lid, a heating unit within said container to provide heating means therefor, a switch connected to said heating unit, said link member arranged to operate said switch by being actuated by the



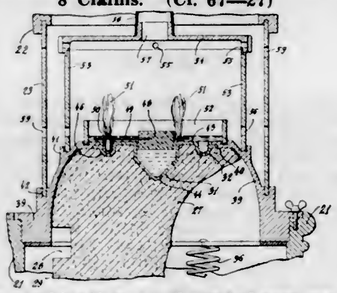
thermostat upon a change of temperature within said container.

2,101,136

CANDLE HOLDER AND CANDLE

Henry Fraternali, Dobbs Ferry, N. Y.

Application December 9, 1936, Serial No. 114,892
8 Claims. (Cl. 67—27)



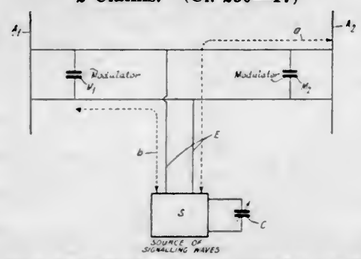
1. In combination, an elongated wax candle, a disk resting on the top of said candle and having depressed portions for holding wax, a plurality of wicks floatingly supported in said depressed portions by said disk in engagement with the wax and mechanism for holding the candle and disk in abutting relationship.

2,101,137

WAVE MODULATION

Karl Fritz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin Germany, a corporation of Germany

Application January 8, 1936, Serial No. 58,066
In Germany February 25, 1935
2 Claims. (Cl. 250—17)



1. In a signalling system a tunable oscillation generator, a plurality of radiators, a separate

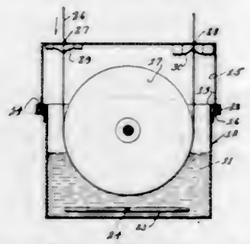
feed line comprising two leads connecting each radiator to said generator, a separate modulating means adjustably connected to each line, and means for simultaneously tuning said generator and adjusting the position of said modulating means along said lines.

2,101,138

APPARATUS FOR REACTING STRIP MATERIAL WITH A LIQUEFIED REAGENT

Erich Gebauer-Fuelnegg, deceased, late of Evanston, Ill., by Marie Gebauer-Fuelnegg, administratrix, Evanston, Ill., and Edouard M. Kratz, Gary, Ind., assignors, by mesne assignments, to Marbo Patents Inc., a corporation of Delaware

Application February 6, 1935, Serial No. 5,218
Renewed June 13, 1936
3 Claims. (Cl. 23—285)



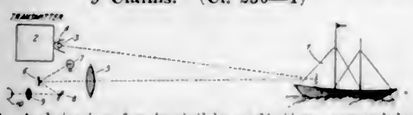
1. Apparatus for reacting strip material with a liquefied reagent, comprising a tank for said liquefied reagent, a removable cover for said tank, sealing means associated with said tank for sealing the joint between said cover and tank, a roll within said tank for carrying strip material into contact with said reagent, means for driving said roll, refrigerating means within said tank and continuous flexible reticulated belts trained to contact said roll for guiding said strip material about said roll.

2,101,139

VISIBLE DETECTOR OF INVISIBLE RADIATION

Clarence Weston Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1934, Serial No. 760,057
9 Claims. (Cl. 250—1)



1. A detector for invisible radiation comprising a screen for receiving said invisible radiation, a metal salt including water of hydration located on the face thereof and means for mounting said screen within a partial evacuated glass vessel containing a sufficient amount of water vapor to maintain said metal salt in a subsaturated condition.

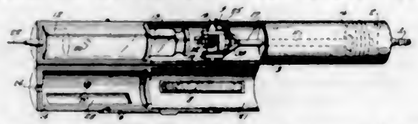
2,101,140

AUTOMATIC INJECTING SYRINGE DEVICE

Raymond W. Hege, San Diego, Calif.

Application March 23, 1935, Serial No. 12,675
6 Claims. (Cl. 128—215)

1. An automatic injecting syringe device comprising, a case adapted to hold a syringe with a plunger in a stationary operable position relative to said case and further adaptable to releasing said syringe, an automatic coupling element adapted to engage, hold, and release the plunger of the said syringe, actuating means with a moveable member operable to move said coupling element back and forth whereby the plunger of the said syringe is moved to fill or empty the said syringe, releasable means comprising a member mounted with the said coupling element and adapted to bear on the inner face of the said case whereby when the said case is operated to release the said syringe the said member operates to allow the said coupling element to release the said plunger, control means comprising a manually operable element mounted on the said case and adaptable to bearing on one or more of the longitudinally moveable elements to control the movement of the said plunger, and operating control means mounted on the said case and adapted to start, stop, or reverse the operative force acting upon the said actuating member whereby the movement of the said actuating member is controlled.

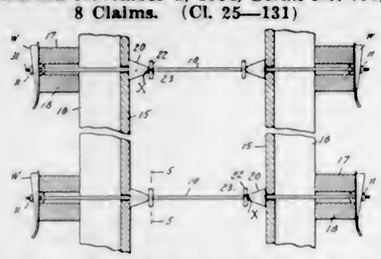


2,101,141

TIE FOR CONCRETE FORMS

Daniel C. Hungerford, Chalfont, Pa., assignor, by mesne assignments, to Star Expansion Bolt Company, New York, N. Y., a corporation of Illinois

Application November 1, 1934, Serial No. 750,921
8 Claims. (Cl. 25—131)



1. In combination, a tie rod having a head adjacent one end and a portion, having flat sides, adjacent said head, a wedge having an opening to receive said head and a slot dimensioned to receive the rod and having a notch communicating with the opening dimensioned to fit the flat sided portion of the rod.

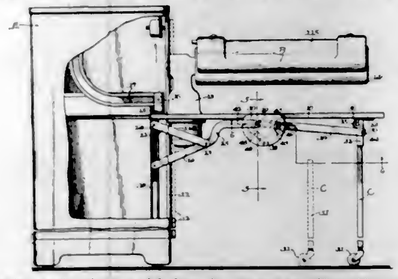
2,101,142

SUPPORTING MECHANISM FOR CABINET IRONERS

Joseph W. Jensen and Alfred J. Shute, Chicago, Ill., assignors to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois

Application June 3, 1936, Serial No. 83,235
14 Claims. (Cl. 312—28)

1. In a structure of the class described, the combination with a cabinet; of an elongated ironer unit adapted to occupy a vertical position in the cabinet or a horizontal position outside of the cabinet; means connected with the cabinet and ironer unit for supporting and guiding the unit as it is moved from one position to the other; an outboard leg carried by the ironer unit, said leg being hinged to the ironer unit and adapted to swing into folded relation thereto; and motion transmitting mechanism actuated by said ironer supporting means for positively swinging said leg in reverse directions as the unit is swung from one position to the other, said motion transmitting mechanism including means for holding said leg in extended supporting position during part of said movement of the unit.



2,101,143

SHOCKPROOF X-RAY UNIT

Alfred H. Laidig, Verona, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 31, 1935, Serial No. 56,897
6 Claims. (Cl. 250—35)



1. A shockproof X-ray apparatus comprising an X-ray tube having an envelope provided with a thermionic cathode and an anode therein, electrode terminals for said anode and cathode, an X-ray opaque housing surrounding said X-ray tube and provided with a pervious window therein in alignment with the ray projecting portion of said X-ray tube, means forming an axial support for said X-ray tube and housing to enable rotation thereof to various positions and connected to said housing and X-ray tube for grounding said housing to render the same shockproof and for supplying electrical energy to said X-ray tube and a cooling and insulating medium to the anode thereof, and said means including flexible conduits integral with a portion of said means and extending longitudinally thereof and forming a fluid-tight seal with said anode terminal, and said means being axially yieldable interiorly of said housing to enable said X-ray tube and housing to be rotated as a unit to various axial positions about said means without destroying the fluid-tight seal or collapsing and straining said flexible conduits.

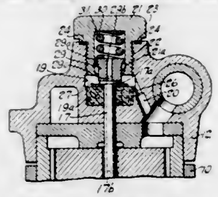
2,101,144

AIR OR WATER TUBE CONNECTION FOR ROCK DRILLS

Earl B. Lear, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application January 7, 1936, Serial No. 57,897
2 Claims. (Cl. 121—10)

1. In a rock drill, a cylinder, a back head therefor having a rearwardly facing recess, a tube coaxial with the cylinder and adapted to conduct cleansing fluid therethrough, said tube projecting into the recess and having a flange formed on its rear extremity, a packing member seated in the closed end of the recess, said flange being seated on said packing member, means for supplying cleansing fluid to the recess, a plug threadably connected to the back head to close the rear end of the recess, said plug having an opening therein which terminates short of the rear end of the plug and which is in communication with the fluid supplying means, a plunger abutting said flange and projecting into the opening in the plug, and a compression spring in the plug having its ends in engagement with the plug and plunger respectively, whereby to urge the plunger, plug and flange forwardly to compress the packing, said plunger and plug being formed with cooperating stop means to prevent removal of the plunger and spring from the plug when the latter is removed from the back head.

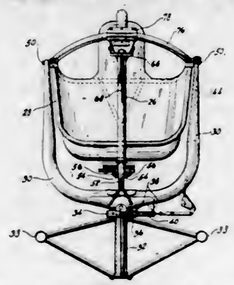


2,101,145

ADJUSTABLE GUNNER'S SEAT

John G. Lee, Avon, Conn., assignor, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware

Application November 10, 1933, Serial No. 697,423
19 Claims. (Cl. 89—37.5)



1. A combined gun support and gunner's seat, comprising a swivel support, a seat, means to pivotally suspend said seat from said support, a gun standard, means to pivotally mount said standard on said seat, and means carried by said seat for limiting the movements of said gun standard to a predetermined path with respect to the seat.

2,101,146

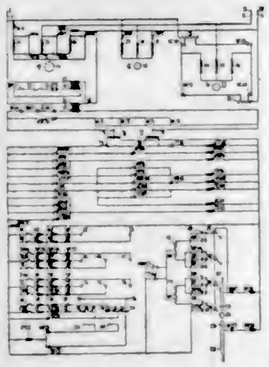
CONTROL SYSTEM

Jacob Daniel Lewis, Yonkers, N. Y., Harold Waters, Hohokus, N. J., and Otto Albert Krauer, Yonkers, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey

Application June 15, 1936, Serial No. 85,288
34 Claims. (Cl. 172—152)

33. In a control system for an elevator car; a source of direct current supply; a direct current

motor for raising and lowering said car; a direct current generator for supplying current to said motor, said generator having a separately excited field winding, a shunt field winding and a demagnetizing field winding; means for connecting said separately excited field winding to said source for current supply therefrom to cause generation of voltage of a polarity to start the car in either direction; means operable when the generator voltage of the polarity determined by said separately excited field winding has attained a certain value to connect said shunt field winding across the armature of said generator to cause said generator gradually to build up its voltage to full value, thereby bringing the car up to full speed; means operable automatically upon arrival of the car at a predetermined distance from a



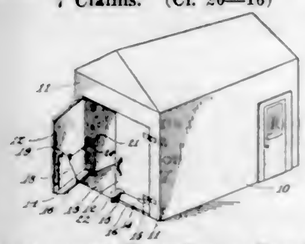
landing at which a stop is to be made for initiating slow down of the car, said means comprising means for connecting said demagnetizing field winding across the generator armature while maintaining the connection of said shunt field winding across the generator armature with the direction of current flow through the demagnetizing field winding such that it acts in opposition to said shunt field winding to effect a gradual decrease in the value of generator voltage; and means operable automatically upon arrival of the car at a point still closer to the landing for disconnecting said shunt and demagnetizing field windings and for causing generator excitation for slow speed operation of the car to be provided by said separately excited field winding connected to said source.

2,101,147

AUTOMATIC UPWARDLY-MOVABLE DOOR OR PORTION THEREOF

Saul Lux, Brooklyn, N. Y.

Application November 20, 1936, Serial No. 111,761
7 Claims. (Cl. 20—16)



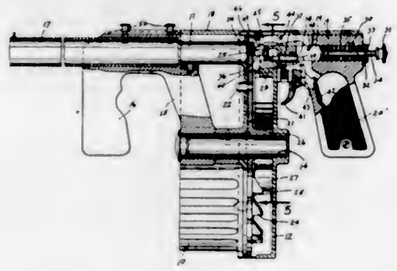
1. In an outwardly swinging door having a substantially-horizontal lower edge, means for permitting said edge to clear an obstruction, said means including a lower edge portion attached to the door and adapted to swing inwardly.

2,101,148

MACHINE PROJECTOR

Charles J. Manville, Indianapolis, Ind.

Application March 11, 1935, Serial No. 10,347
13 Claims. (Cl. 42—5)



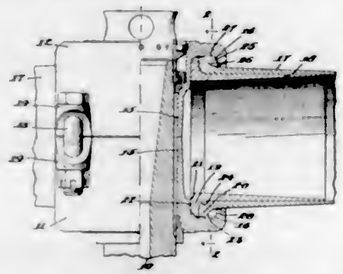
1. A projector for firing cartridges including a muzzle, an annular drum-like magazine rotatably mounted with respect to said muzzle and having a plurality of cartridge chambers extending thereabout, a spring for rotating said magazine to bring an unfired chamber into firing position with respect to said muzzle upon firing of the preceding chamber, a plurality of ratchet teeth for arresting the movement of said magazine in its successive firing positions, a trigger-actuated hammer operating in alignment with said muzzle and registering magazine, a plurality of actuating cams on said chamber for recocking the hammer upon movement of the magazine, and means for locking the magazine in firing position and releasing it for movement to the succeeding firing position by movement of the hammer.

2,101,149

AIRPLANE PROPELLER

Erle Martin, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

Application May 7, 1934, Serial No. 724,418
8 Claims. (Cl. 29—156.8)



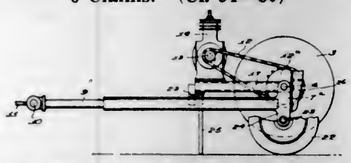
1. The method of heat treating a metal propeller blade blank having a thickened hollow end comprising heating the blank to a tempering heat, and inserting in the thickened hollow end a cold steel sleeve and cooling the surface of the blank in dies.

2,101,150

MOTOR PROPELLED WHEELED ROLLER

Bart Moore, Jr., San Antonio, Tex.

Application May 6, 1936, Serial No. 78,283
6 Claims. (Cl. 94—50)



1. The combination with a road rolling structure comprising a bodily invertible main frame, a road roller mounted to turn therein, and ground wheels mounted to turn with respect to said bodily invertible frame and eccentrically disposed with respect to the axis of the roller, whereby either the ground wheels or the roller may be brought into engagement with the ground by the act of bodily swinging the main frame over from one side of the roller to the other, of an engine supporting frame disposed within the confines of the main frame and pivotally mounted with respect to said main frame to thereby permit the aforesaid inversion of the main frame without causing corresponding inversion of the engine supporting frame, an engine carried by said frame, means for driving from said engine to the roller, and means for latching the engine frame to the main frame to thereby support the engine supporting frame from the main frame.

2,101,151

LINTER GIN RIB MOUNTING

George C. Morgan, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware

Application July 6, 1936, Serial No. 88,950
5 Claims. (Cl. 19—62)



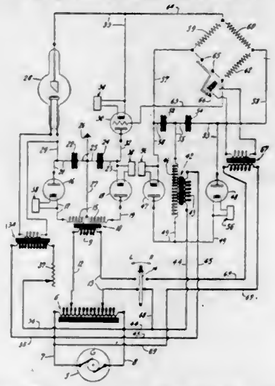
1. A gin rib mounting, comprising in combination an upper rib rail element faced to provide a flat end bearing seat against which the upper rib ends abut, said seat having aligning holes bored with parallel equi-distant axes, a lower rib rail element, ribs each having at one end a stud adapted to fit snugly into one of said holes and a shoulder substantially normal to the line of thrust on a rib and adapted to abut against said upper rib rail seat in front of said stud, and means to secure the lower ends of the ribs in centered relation on the lower rib rail element in conformity with the centering of their upper ends on the upper rib rail, but out of alignment with a plane intersecting the axes of said holes.

2,101,152

X-RAY APPARATUS

Montford Morrison, Montclair, N. J., assignor to Westinghouse X-Ray Company, Inc., a corporation of Delaware

Application December 24, 1931, Serial No. 582,933
2 Claims. (Cl. 250—34)



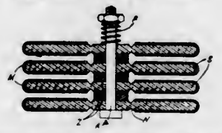
1. In an X-ray system for taking X-ray photographs in a short interval of time, the combination with an energy storage means connected to a source of rectified alternating current energy for accumulating an electrical charge in said energy storage means, and an X-ray tube connected to said energy storage means and adapted to be energized by the charge accumulated therein, of a thermionic discharge device interposed between said energy storage means and said X-ray tube for controlling energization of the latter, an auxiliary source of electrical energy connected to one of the electrodes of said discharge device normally operative to impress a potential thereupon to prevent energization of said X-ray tube and adapted to reverse the polarity impressed upon the discharge device to cause energization of said X-ray tube by the accumulated charge, and means associated with said auxiliary source and said rectified alternating current source, and operable to reverse the polarity of the potential impressed by said auxiliary source upon one of the electrodes of said device to render said discharge device effective to cause energization of said X-ray tube by the accumulated charge and to interrupt the accumulation of a charge in said energy storage device to prevent the imposition of a sinusoidal wave form upon the X-ray tube excitation energy.

2,101,153

ELECTRICAL CONDENSER

Herbert Muth and Wilhelm Runge, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

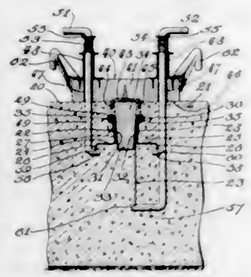
Application March 28, 1934, Serial No. 717,789
In Germany April 21, 1933
7 Claims. (Cl. 175—41)



1. Condenser independent of temperature, comprising a plurality of plates of ceramic ma-

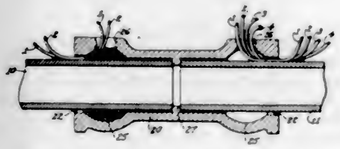
terials which serve as supports of a metallic conducting layer for said condenser, said plates being separated by a plurality of metal spacers, characterized in that said plates have central places of contact maintained free of the layer where said metal spacers are located, said places of contact being surrounded by an annular groove in which the conducting layer terminates.

2,101,154
EXPANSION JOINT FOR PAVEMENTS AND THE LIKE
Clifford Older, Wilmette, Ill.
Original application August 8, 1931, Serial No. 555,949. Divided and this application May 6, 1933, Serial No. 669,632
12 Claims. (Cl. 94—18)



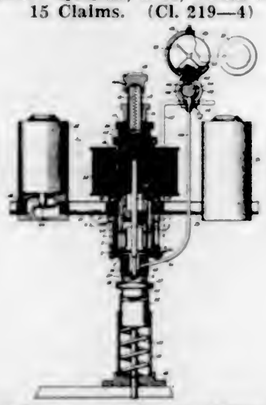
1. In a concrete road joint forming member, the combination of an expansion strip having a main fold with a pair of substantially parallel flanges, an auxiliary flange engaging each of said parallel flanges, anchoring flanges carried by said auxiliary flanges, a parting strip clamped between one of said parallel flanges and said auxiliary flanges, substantially cylindrical formations joining each of said auxiliary flanges to one of said parallel flanges, a template for supporting said strips, means carried by the template for engaging between said parallel flanges and means for holding said parting strip against said template.

2,101,155
PIPE JOINT
Alden E. Osborn, New York, N. Y.
Application October 5, 1936, Serial No. 104,011
7 Claims. (Cl. 285—163)



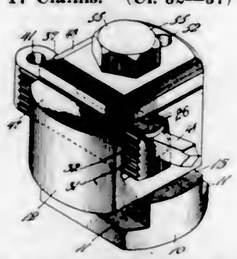
1. A fitting having a channel and provided with an aperture intersecting said channel, and a means for retaining a member within said fitting and for preventing leakage adjacent said means of retention, comprising a wire of relatively hard material and a second wire of relatively soft material, both said wires being adapted to be simultaneously wound thru said aperture and into said channel by relative rotation between said fitting and said member.

2,101,156
MACHINE FOR SEALING RECEPTACLES
John H. Payne, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application April 28, 1936, Serial No. 76,796
15 Claims. (Cl. 219—4)



1. A machine for sealing metallic receptacles comprising a gas-tight chamber having a single opening therein adapted to be closed by abutment of the apertured face of a work-piece, a storage receptacle for retaining a quantity of closure elements for sealing said workpiece, and means operative from time to time for supplying single closure elements to said chamber from said storage receptacle while maintaining the former in substantially gas-tight condition.

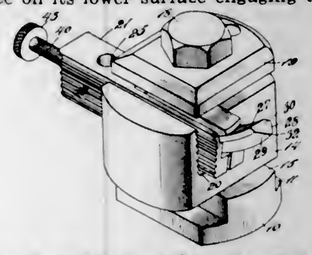
2,101,157
LATHE TOOL POST
Joseph M. Redinger, Johnston, R. I.
Application April 1, 1936, Serial No. 72,010
17 Claims. (Cl. 82—37)



1. A lathe tool post comprising a base to slidably engage the tool post carriage of a lathe, a body movably mounted thereon, a resilient tool holder in said body having an opening for the reception of a tool, and means including a single operable element for binding the tool in the holder and the parts against movement one with relation to the other.

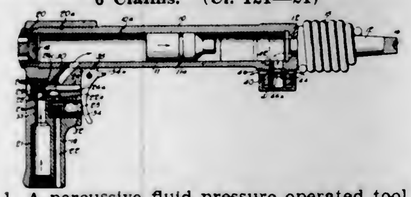
2,101,158
LATHE TOOL AND HOLDER THEREFOR
Joseph M. Redinger, Johnston, R. I.
Application April 23, 1936, Serial No. 75,948
5 Claims. (Cl. 29—101)

1. In combination, a tool holder provided with an arcuate guide channel and a tool having an arcuate shape to fit said channel, means for relatively moving the opposite sides of the channel to bind the tool in adjusted position therein, a block arcuate on its lower surface engaging the upper



surface of said tool, and means engaging said block for forcing said tool towards said guide to hold the same in adjusted position.

2,101,159
PNEUMATIC HAMMER
Edward W. Stevens, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application September 11, 1935, Serial No. 40,038
6 Claims. (Cl. 121—21)



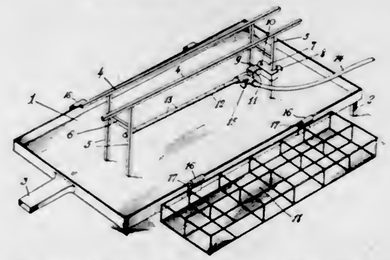
1. A percussive fluid pressure operated tool of the single impact type comprising a cylinder providing a piston chamber, a hammer piston reciprocable therein, manually controlled means for admitting pressure fluid to the rear end of the piston chamber to drive the piston forwardly, means for admitting holding pressure fluid to the front end of the piston chamber to return the piston and hold it normally at the rear end of the cylinder, and means for intercepting holding pressure fluid seeping toward the rear of the piston, said last-named means comprising an annular groove in the piston and a cylinder port connected to exhaust, said port being positioned to register with the groove when the piston is held at the rear end of the cylinder.

2,101,160
CONTROL DEVICE
Herman Weber, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich.
Application August 13, 1936, Serial No. 95,756
6 Claims. (Cl. 74—502)



1. In a control device of the character set forth, the combination of a tubular support provided with a collar having a peripheral groove, said support and collar having registering radial bores, a toothed detent arranged in said bores and provided with a socket in its outer end and having a non-circular head engaging said groove whereby it is supported against rotative movement, a spring arranged in said socket, a housing sleeved on said collar and acting to retain said spring under tension, and a control rod reciprocable and rotatable in said support and having a series of transverse slots at one side providing a series of teeth and having a flattened surface at one side of said teeth, the bottoms of the teeth being at an angle to the said flattened surface so that the rod may be rotated to engage or disengage its said teeth with said detent in any of its longitudinally adjusted positions and may be longitudinally adjusted when the teeth are disengaged, and its said flattened surface engaged with said detent, the detent then acting as a friction member, the detent also acting to yieldably resist rotation of the rod from one rotative position to the other and also acting to fully actuate the rod as it is actuated from one rotative position to the other.

2,101,161
SLIDE STAINING AND HEATING RACK
Arthur Whiteman, New York, N. Y.
Application March 19, 1937, Serial No. 131,889
3 Claims. (Cl. 34—21)



1. A slide staining and heating rack comprising a tray, a rack in said tray for supporting slides, a bracket adjustably secured to said rack, a gas heater pipe movably and frictionally carried by said bracket, means for supplying gas to said pipe and a valve for controlling the gas supply.

2,101,162
ORNAMENTAL REFLECTOR AND SIGN
Dee A. Wing, Detroit, Mich.
Application July 3, 1935, Serial No. 29,629
3 Claims. (Cl. 40—135)

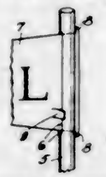


3. In a reflecting sign, a case, a patterned transparent glass panel mounted therein, a patterned aluminum reflecting panel spaced from the transparent glass panel, and flat flexible characters mounted on the inner face of the transparent panel to form a sign in the reflected light field.

2,101,163
PENNANT AND STAFF MEANS
Joseph A. Wolfe, Seattle, Wash.
Application March 2, 1936, Serial No. 66,579
2 Claims. (Cl. 116—173)

2. In a device of the class described, a staff having a longitudinally extending slot therein; a pennant positioned within said slot; stop means on an end portion of said pennant engaging said

staff limiting movement in one direction of said pennant within said slot; and sidewise deflectable



staff engaging integral tab means in said pennant just forward of said stop means.

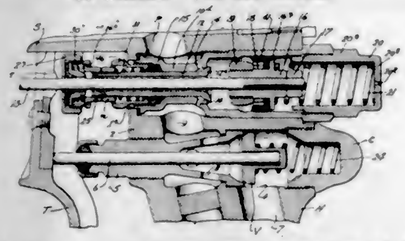
2,101,164

SPRAY GUN WITH PNEUMATIC NEEDLE VALVE CONTROL

Svend Bramsen and Fritz Wahlin, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application November 27, 1935, Serial No. 51,764

20 Claims. (Cl. 299—140.1)



1. In a pneumatic spraying appliance of the class in which a rod-like needle valve is longitudinally moved rearwardly for opening the discharge of material, and in which the body of the appliance has a bore coaxial with the needle valve: a rearwardly closed cylinder mounted in the said bore and housing the rear end portion of the said valve, a piston fast upon the valve and slidable in the said cylinder, a spring interposed between the piston and the rear end of the cylinder for continually urging the piston forwardly; the cylinder having a tubular guide of relatively smaller bore coaxial with and extending forwardly from the cylinder and connected to the cylinder by an annular portion presenting a rearwardly facing annular valve seat; a tube longitudinally slidable in the said guide and through which tube a part of the needle valve extends, the tube having a rearward portion adapted to seat on the said valve seat; the said tube and guide being so formed as to afford an annular space around a part of the tube forward of the said seat when the said tube part is thus seated; the gun body having an air passage, and the guide having an air port leading from the air passage to the said space.

2,101,165

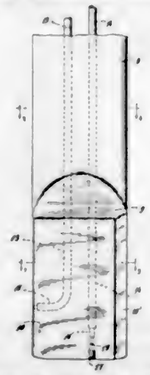
PITOT TUBE

Edward S. Cole and Edward Shaw Cole, Montclair, N. J., and Leslie J. Hooper, Holden, Mass., assignors to Pitometer Log Corporation, a corporation of New York

Application March 3, 1936, Serial No. 66,892

5 Claims. (Cl. 73—212)

5. In a Pitot tube instrument, the improvements that comprise, a thin end having a vertical, reduced trailing edge and having a vertical static passage therein that is located between the forward and trailing edges of said end at approximately one third of the horizontal length of said end in advance of said trailing edge, said end having lateral openings connecting with said static passage and placed at unequal distances



from the extremity of said end, whereby the liquid in which the instrument is immersed is caused to follow a tortuous path that is mainly transverse to said end when said instrument is turned at acute angles from true alignment with the direction of movement of the surrounding liquid.

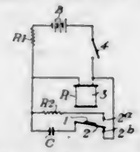
2,101,166

ELECTROMAGNETIC APPARATUS

Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 30, 1934, Serial No. 733,282

7 Claims. (Cl. 175—320)



1. In combination, a source of direct current, an electromagnetic device having an energizing winding and an armature operated thereby as well as a back contact operated by said armature, means for connecting said winding with and disconnecting it from said source, and a condenser connected in multiple with said winding through said back contact for delaying operation of said armature when said winding becomes connected with said source.

2,101,167

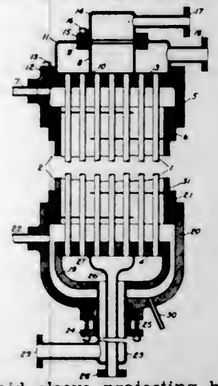
METHOD OF MAKING AND ARRANGEMENT OF INTERCHANGER FOR HEAT EXCHANGE BETWEEN FLUIDS AT LOW TEMPERATURES

William Lane De Baufre, Lincoln, Nebr.

Application August 19, 1935, Serial No. 36,882

11 Claims. (Cl. 29—157.3)

1. A method of making an interchanger with a cold worked metal shell for heat exchange between fluids at temperatures below the annealing temperature of said shell, which includes selecting a shell having a thickness sufficient to safely withstand in the cold worked condition the pressure of one of said fluids, placing a reinforcing sleeve around said shell at the end thereof, heating the end of said shell and said sleeve to form a fused metal joint between them while maintaining the shell beyond said sleeve at a temperature sufficiently low to prevent any substantial lowering of the tensile strength of said shell beyond said sleeve, placing a head around said



sleeve with said sleeve projecting beyond said head and over said shell, heating said head and said sleeve to form a fused metal joint between them while maintaining the shell beyond said sleeve at a temperature sufficiently low to prevent any substantial lowering of the tensile strength of said shell beyond said sleeve.

2,101,168

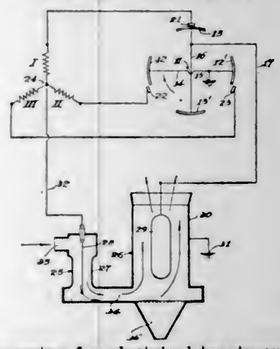
ELECTRICAL PRECIPITATION APPARATUS

Walther Deutsch, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a corporation of California

Application February 23, 1937, Serial No. 127,287

In Germany February 24, 1936

1 Claim. (Cl. 183—7)



An apparatus for electrical treatment of fluids comprising two separate electrode systems each comprising two opposing electrode members spaced from one another to accommodate flow of gas therebetween; a polyphase transformer with Y-connected secondary phase windings having a common point connected to one end of each winding; means electrically connecting one electrode member of one of said electrode systems to said common point; and synchronously operated mechanical rectifying means associated with the other terminals of said windings, and with the other electrode member of said one system, and also with the two electrodes of the other electrode system, said rectifying means being operable to successively connect the several phases individually to said other electrode member of said one system and to successively connect different successive pairs of phases in series between the two electrode members of said other system.

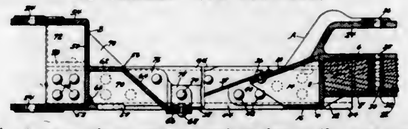
2,101,169

MINE CAR END CONSTRUCTION

William F. Dietrichson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application August 17, 1935, Serial No. 36,644

25 Claims. (Cl. 105—364)



1. A one-piece end member for rail cars comprising, a substantially vertical web extending between and connected with the side sills of the car, spaced apart flanges extending horizontally outward from one side of said web and adapted to support a bumper element, spaced apart rearwardly directed flanges extending from the opposite side of said web, one of said last named flanges having at least a portion thereof inclined downwardly toward the other flange, and spaced apart bracing members connecting said web and rearwardly directed flanges.

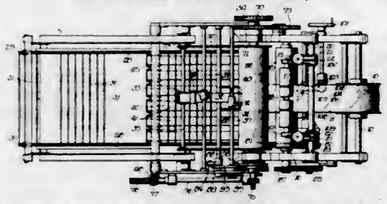
2,101,170

SHEETER

William H. Engel, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware

Application March 25, 1935, Serial No. 13,007

11 Claims. (Cl. 271—76)



1. In a device of the type described having means for advancing a continuous web of material and a cutting unit in the path of travel of said web for severing individual sheets therefrom, the combination of a relatively high speed conveyor system engaging the forward edge of sheets extending through said cutting unit, a relatively slow speed conveyor adjacent and beneath said cutting unit, and a striker operable to press the trailing end of a sheet in said relatively high speed conveyor system against said relatively slow speed conveyor to disengage said sheet from the relatively high speed conveyor.

2,101,171

MINE CAR

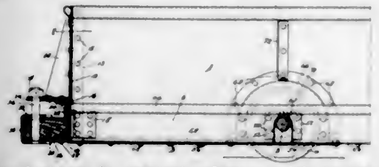
Henry P. Field, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application October 1, 1931, Serial No. 566,199

19 Claims. (Cl. 105—364)

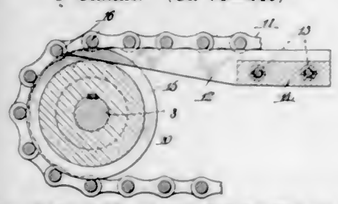
1. In a mine car a body comprising side walls, end walls and a bottom formed of a plurality of

parts connected together on lines which are transverse to the body, at least some of said parts extending from side wall to side wall in a substantially uniform horizontal plane, and sills secured



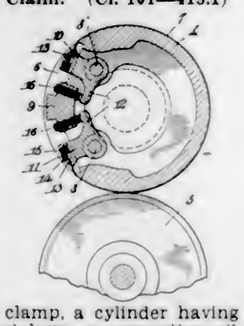
to the bottom in spaced relation with respect to the side walls and extending longitudinally of the bottom from end to end, the remaining parts of said bottom extending only between the sills.

2,101,172
SPROCKET CHAIN TRUING DEVICE
William Gegenheimer, Brooklyn, N. Y., assignor to Willard Manufacturing Corporation, New York, N. Y., a corporation of New York
Application August 26, 1936, Serial No. 98,092
3 Claims. (Cl. 74—240)



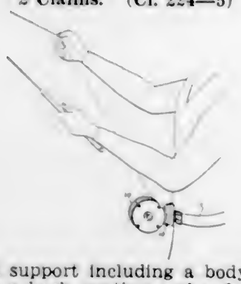
1. In a chain guide, a sprocket having an annular central groove in its periphery, a finger affixed adjacent to said sprocket and projecting into said groove, the said finger disposed tangentially to said sprocket.

2,101,173
PLATE CLAMP
William Gegenheimer, Brooklyn, N. Y., assignor to Willard Manufacturing Corporation, New York, N. Y., a corporation of New York
Application August 26, 1936, Serial No. 98,094
1 Claim. (Cl. 101—415.1)



In a plate clamp, a cylinder having an opening in its periphery, a supporting rib inwardly of the circumference of said cylinder and within said opening, levers rockably mounted in said cylinder one on each side of said rib, clamps on said levers, an arm for each lever underlying said rib, adjusting members on said rib engaged with said arms for rocking the latter, screws on said clamps for operating the same, and the adjusting members and screws being substantially parallel with each other, having their operating portions disposed substantially equal distances from the axis of the cylinder and all located relatively close together, thus permitting of adjustments of all said members and screws in one position of adjustment of the cylinder.

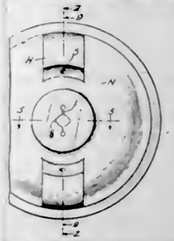
2,101,174
SUPPORT FOR FISHING REELS
John Grahame, Sixes, Oreg.
Application October 9, 1936, Serial No. 104,834
2 Claims. (Cl. 224—5)



1. A reel support including a body, said body comprising a back portion and a front portion, said back portion being slightly curved to conform to the body of the wearer, a U-shaped resilient attaching clip having parallel ends secured to said back, the portion of said clip beyond the ends being spaced from the back, said front portion including an intermediate central portion which is curved concentric with the back and is spaced therefrom, said central portion having substantially parallel sides directed towards the back, said sides having end flanges thereon, said end flanges being in direct engagement with the back and secured thereto, the corner of said back and the end flanges being coextensive and curved and with the end flanges secured throughout to the back portion to provide a rigid portion of double thickness, said front face having a slot therein adjacent the bottom thereof, the wall of said front face below the slot being outwardly curved to provide a pocket adapted for the reception of the lower end of a fishing reel bracket, said front portion having a pair of spaced slots vertically extending and disposed adjacent the upper part thereof, an outwardly pressed portion arranged between said spaced slots, said outwardly pressed portion being in line with said pocket, a slide comprising a metal strip having its ends passing through said slots and bent towards each other with the bent ends disposed between the central portion and the back, said slide including a curved front portion adapted to engage the upper bracket on a fishing reel.

2,101,175
AIR NOZZLE FOR FLAT-SPRAYING APPLIANCES
Eric Gustafsson, Chicago, Ill., assignor to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 9, 1936, Serial No. 109,905
9 Claims. (Cl. 299—140.1)

5. In a spray appliance of the class in which a stream of generally liquid material is forwardly projected through a material nozzle, and in which an air nozzle has both a central port through which air is forwardly projected around and in merging relation to the said material stream and two side air ports for projecting forwardly converging jets of air respectively against opposite sides of the said stream, and in which the axes of the said jets are in a plane diametric of the said central port, the said air nozzle characterized by also having the said central port provided with two counterpart enlargements respectively at opposite sides of the central air port; each of the said enlargements comprising a bore portion spaced from the said central port and a



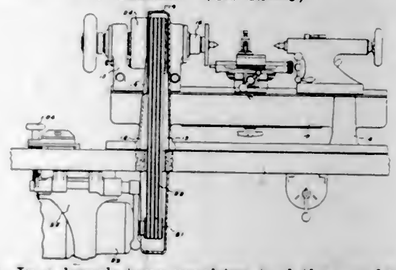
slot portion of less width than the said bore leading from the said bore to the said central port, the axis of the said bore portion and the medial plane between the longitudinal walls of the said slot portion being both in the aforesaid plane, the axis of the said bore portion being at an angle of between zero and ten degrees to the axis of the central port.

2,101,176
HIGHWAY GUARDRAIL
Lewis H. Height, Denver, Colo., assignor to Thompson Manufacturing Co., Denver, Colo.
Application November 30, 1936, Serial No. 113,400
7 Claims. (Cl. 256—13.1)



1. Means for supporting a highway guard rail comprising: a post member extending into the ground and terminating at the surface thereof; a bracket member consisting of an inverted V-shaped resilient member; sleeves formed in the lower extremities of the legs of said bracket member; pins passing through said post member and through said sleeves for securing said bracket member to said post member; and means for securing a highway guard rail to said bracket member.

2,101,177
BENCH TYPE MACHINE TOOL
Frank O. Hoagland, West Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application September 10, 1936, Serial No. 100,143
7 Claims. (Cl. 82—6)



1. In a bench type machine tool the combination of a bed having a transverse opening therethrough, a headstock on said bed having a supporting and rotating spindle therein, a pulley fixed on said spindle, and a driving belt passing over said pulley and extending within said headstock and through said opening in said bed.

2,101,178
APPARATUS FOR PLATING SHEETS
George B. Hogaboom, New Britain, Conn., and Wesley F. Hall, Matawan, N. J., assignors to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application December 13, 1934, Serial No. 757,314
12 Claims. (Cl. 204—5)



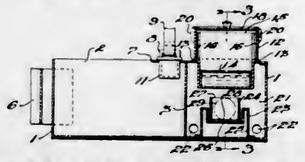
1. An electroprocessing machine comprising means for gripping a sheet of material to be treated, a carrier for supporting said gripping means, vertical conveying devices for vertically transporting said carrier, horizontal conveying devices for horizontally transporting said carrier to cause said sheet to move through the treating solutions, vertical transfer devices for vertically transferring said carrier and said sheet over the boundaries between the treating tanks and intermediate conveyor means for shifting said carrier between said vertical conveying and transfer devices without substantial shock.

2,101,179
METHOD OF AND APPARATUS FOR OPERATING ON UNATTACHED SOLES
Charles E. Hood, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 12, 1935, Serial No. 54,112
17 Claims. (Cl. 12—17)



1. That improvement in methods of preparing unattached shoe-soles for attaching with adhesive cement, which consists in simultaneously shaving two marginal bands one within the other on the attaching face of a sole, and at the same time disintegrating the surface of the inner one of said bands.

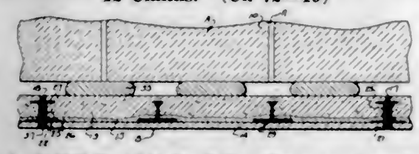
2,101,180
PORTABLE COOKER
Charles Jacobs, Detroit, Mich.
Application March 10, 1936, Serial No. 68,122
3 Claims. (Cl. 126—261)



2. A portable cooker comprising a portable casing having a cooking compartment, a cover extending over the cooking compartment and hav-

ing a rectangular aperture, a substantially rectangular cooking receptacle positioned in said aperture, a fuel drawer slidably mounted in the cooking compartment below the receptacle, a series of transverse partitions dividing the fuel drawer into fuel compartments each arranged to receive a piece of fuel, the bottom of said drawer being provided with a draft opening in each compartment and means for varying the draft openings of all compartments simultaneously.

2,101,181
BUILDING BLOCK
Charles E. Johnson, Chicago, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 2, 1936, Serial No. 103,631
12 Claims. (Cl. 72—19)

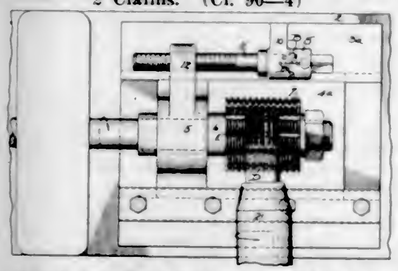


1. A building block of the character described comprising a body portion formed from plastic material, a face plate of vitreous material covering a surface of the body portion and provided with grooves in opposite edges thereof, and a metal frame arranged entirely around said body portion and having portions thereof received within the grooves in the edges of said face plate.

2,101,182
COMPOSITE PRODUCT
Harvey G. Kittredge and Frank W. Williams, Dayton, Ohio, assignors to Foilfilm, Inc., Dayton, Ohio, a corporation of Ohio
No Drawing. Application February 18, 1935, Serial No. 7,070
2 Claims. (Cl. 91—70)

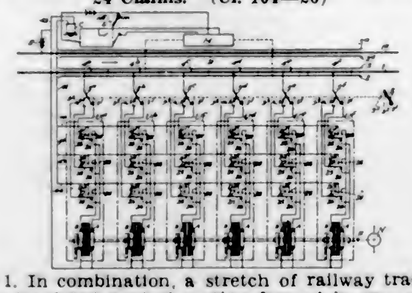
1. An article of manufacture comprising a structurally weak metal foil element and a relatively thin adhesive and protective glass-adherent coating baked thereon and consisting of vinyl acetate, phenolic resin, and chlorinated diphenyl, to provide a strong, tough and flexible coating for the foil.

2,101,183
ARRANGEMENT FOR RESETTING HOBS
Howard B. Lawton, Detroit, Mich.
Application October 15, 1935, Serial No. 45,025
2 Claims. (Cl. 90—4)



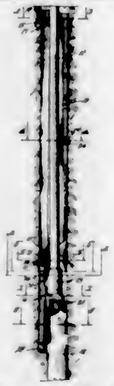
1. A hob re-setting means comprising a guide, a bearing on said guide having an index mark thereon, a cross slide mounted on the guide, a nut on the guide, a spindle carried by the cross slide having a hob fixed thereon, a feed screw mounted on the bearing for rotation and held against axial movement, said screw having an index mark thereon adapted to register with the index mark upon the bearing, and the lead of the hob and feed screw being relatively so proportioned whereby each time the screw is turned sufficiently to bring the two index marks into registry throughout the entire cutting range of the hob the latter is again in correct operating position.

2,101,184
RAILWAY CAR RETARDER
John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 9, 1935, Serial No. 30,528
24 Claims. (Cl. 104—26)



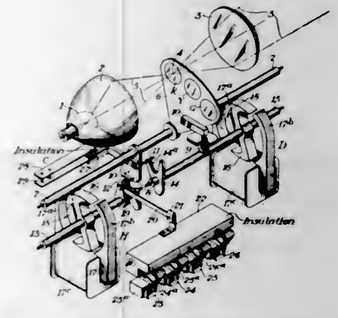
1. In combination, a stretch of railway track, an insulated control section formed in one rail of said stretch, a member biased to one position, a contact mechanism including a normally closed and a normally open contact, means controlled by said member for operating said contact mechanism to open said normally closed contact and close said normally open contact when said member is moved away from said one position a predetermined amount, an electromagnet, means effective when said electromagnet becomes energized for moving said member away from said one position at a predetermined rate of speed, an energizing circuit for said electromagnet including said control section, the opposite rail of said stretch and said normally closed contact; and an electroresponsive device controlled by said normally open contact.

2,101,185
WELL DRILLING WHIP STOCK
Daniel B. Monroe, Denver, Colo.
Application October 22, 1936, Serial No. 106,955
7 Claims. (Cl. 255—1)



1. A device for deviating the course of a drill pipe and drill in an oil well comprising: a relatively long member having a passage for said drill pipe; a lower bearing in said member forcing said drill pipe in one direction; an upper bearing in said member forcing said drill pipe in the opposite direction; a key and socket joint for preventing relative rotation between said drill pipe and said member; and a spring acting to support said drill pipe in said member to maintain said key in its socket, said spring being positioned so that a predetermined pressure on said drill pipe will compress said spring to release said key.

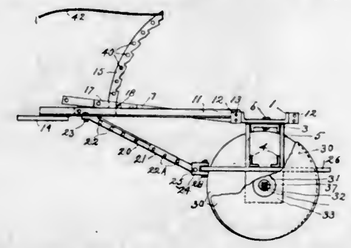
2,101,186
LIGHT SIGNAL
Alexander Davis Moore, Merwood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 6, 1936, Serial No. 94,613
3 Claims. (Cl. 177—327)



2. A light signal comprising a first pivoted shaft, a spectacle arm secured to said first shaft for rotation from a stop position to a proceed position through a caution position and biased by its own weight to its stop position, an operating member secured to said shaft and provided with two laterally projecting pins, a second and a third pivoted shaft, a first electromagnet having its armature secured to said second shaft in such manner that rotation of such armature from its deenergized to its energized position will rotate said second shaft from a first to a second position, a second electromagnet having its armature secured to said third shaft in such manner that rotation of such armature from its deenergized to its energized position will rotate said third shaft from a first to a second position, means for biasing said second and third shafts to their first positions, a first dog secured to said second shaft and cooperating with one of said pins in such manner that rotation of said second shaft from its first position to its second position will rotate said spectacle arm from its stop to its caution position, and a second dog secured to said third shaft and cooperating with the other pin in such manner that rotation of said third shaft from its first position to its second position will rotate said spectacle arm from its caution to its proceed position.

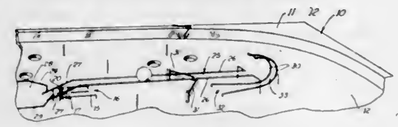
2,101,187
LEVEE DISK
Ray Olson and Archie Olson, Kingsburg, Calif.
Application April 11, 1936, Serial No. 73,867
7 Claims. (Cl. 55—30)

1. A ridging device comprising two gangs of disks, each gang being pivotally attached to a common base, said disk being positioned so the concave faces of the disks of one gang face in the opposite direction of the concave faces of the other gang, draft means consisting of two draft bars pivotally attached to the common base a spaced distance from the lateral center of said base, the free ends of the draft bars meeting at and attached to a hitch, and means for angling the disk blades with the line of draft consisting of a tie for each gang, each of said ties being pivotally attached at one end to the support for



the disk gang a spaced distance below the common base, and a spaced distance to the right or to the left of the local of the connection attaching the draft bar to the common base, the other end being pivotally attached to the draft bar, a lever attached at one end to the common base and at approximately right angles thereto, said lever extending toward the hitch, and being adapted to be raised or lowered with relation to the hitch, and means for holding the lever in selective raised positions.

2,101,188
GAME APPARATUS
Joseph W. Orcutt, Harry A. Stearns, and Thomas L. Wall, Los Angeles, Calif.
Application January 21, 1935, Serial No. 2,664
9 Claims. (Cl. 273—119)

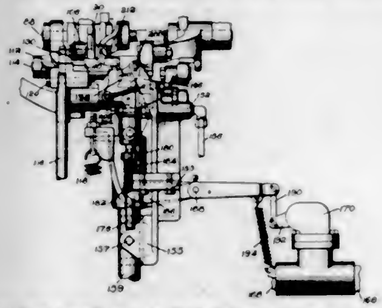


8. In a game apparatus, a cabinet including a member providing a ball-playing surface; a ball runway arranged upon said playing surface above the latter; means arranged adjacent one end of said runway for reprojecting a ball over said playing surface; and means arranged upon said playing surface adjacent the other end of said runway for reversing the direction of travel of a ball thus reprojected over said playing surface and for depositing the same upon said runway.

2,101,189
MACHINE FOR PRESSING SOLES ON SHOES
Charles H. Pepin, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 5, 1936, Serial No. 94,403
In Great Britain May 15, 1936
13 Claims. (Cl. 12—33)

1. A machine for applying pressure to shoe bottoms having, in combination, a pad arranged to apply pressure to a sole and shoe, means for relatively positioning the sole and shoe on the

pad, means for locking the positioning means in



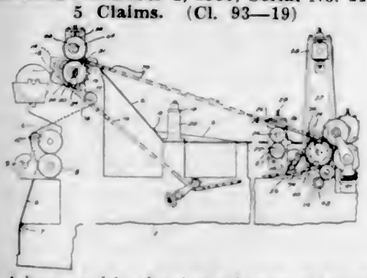
operative position, and fluid-pressure-controlled means for releasing said locking means.

2,101,190
COOL DRINK DISPENSER
William Wallace Philley, Valparaiso, Ind.
Application May 7, 1935, Serial No. 20,230
4 Claims. (Cl. 62—143)



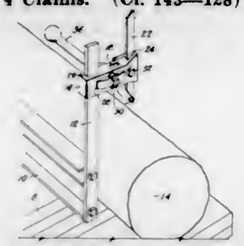
1. The method of preparing a beverage for dispensing, which comprises the steps of partially filling a container of the bottle type having a closed bottom with the beverage material in liquid form, surrounding said receptacle with a refrigerating medium and forming said beverage into a solid block traversed centrally by a bore opening through the upper and lower faces of said block, separating said container from said medium, inverting the container and connecting the space between said bottom and said block to the atmosphere by a liquid tight passage extending through said bore and any liquid therein and the space in the inverted receptacle below said block to means for controlling the discharge of beverage from the receptacle.

2,101,191
WEB CUTTING MECHANISM FOR BAG MACHINES
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 1, 1936, Serial No. 113,565
5 Claims. (Cl. 93—19)



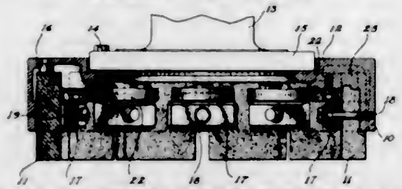
4. A bag machine having a former about which a web of paper is wrapped to form a bag tube, with means for continuously advancing the tube and web; in combination, cutters for making cuts in the web at bag section intervals apart, means for rotating said cutters, said rotating means including two gears each gear being so mounted that it may be made to describe an eccentric path during a rotation, and means whereby the degree of eccentricity of each gear may be varied in equal and opposite degree, the degree of eccentricity having a definite relation to the surface speed of the web.

2,101,192
CLAMP HEAD
Sidney A. Prewitt, Pleasant Hill, Mo.
Application September 2, 1936, Serial No. 99,059
4 Claims. (Cl. 143—128)



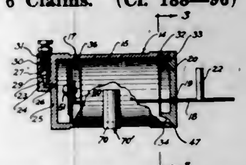
1. In a saw mill having a frame for supporting a log, a clamp head comprising a standard; a block slidably mounted on the standard for movement longitudinally therealong toward and from a log on the frame; a spike, having a notch therein, slidably mounted in the block; a lever pivotally carried by the block having a gear formed at one end thereof; a gear segment having teeth in engagement with the said gear and a laterally extending lug extending into the notch in the spike; a dog on the block movable toward and from the standard; and means interconnecting the lever and said dog for alternately moving the dog toward and from the standard as the lever is oscillated about its pivotal connection with the block, said spike being longitudinally reciprocated toward and from the log simultaneously as the dog grips and disengages the standard respectively.

2,101,193
ABRASIVE WHEEL
Robert R. Raber, West Hartford, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, New York, N. Y., a corporation of New Jersey
Application November 30, 1934, Serial No. 755,293
4 Claims. (Cl. 51—209)



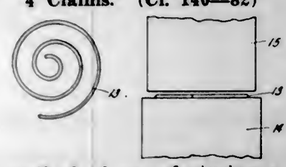
1. An abrasive wheel head comprising in combination, a body member, reinforcing members therein, abrasive blocks within said body member positioned against said reinforcing members, clamping means for said blocks, and rotatable plate-like members pivotally supported upon fixed axes within said body member adapted in one position to engage the inner ends of adjacent blocks to support said blocks in advanced positions.

2,101,194
DASH POT
Bruno Radtke, Libertyville, Ill., assignor to John F. Meyer, Chicago, Ill.
Application March 14, 1934, Serial No. 715,573
6 Claims. (Cl. 188—96)



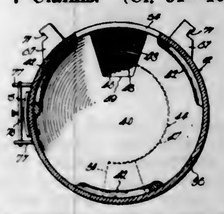
1. A dashpot comprising a cylinder having an integrally formed and a removable axial end wall, valve means on said integral wall, said cylinder having an air vent intermediate said valve means and said removable end wall, a piston reciprocable in said cylinder and drive means for said piston including an elongated flat piston rod extended through said removable end wall into said cylinder eccentrically with respect to the latter and having its inner end portion upturned to form a laterally extending arm, and means attaching said arm to a substantially central part of said piston.

2,101,195
METHOD OF MANUFACTURING PAPER CLIPS
Howard D. Randall, Cincinnati, Ohio
Original application November 1, 1933, Serial No. 696,237. Patent No. 2,047,129, dated July 7, 1936. Divided and this application March 15, 1935, Serial No. 11,307
4 Claims. (Cl. 140—82)



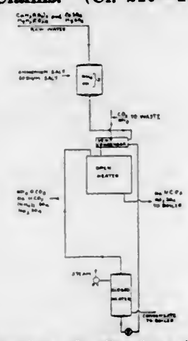
1. The method of manufacturing a thin flat paper clip having a high degree of resiliency and holding power, which method comprises the steps of bending into a spiral having spaced convolutions, a length of light gauge wire which initially offers but little resistance to manual bending, and then swaging the spiral formation between flat surfaces with sufficient force to flatten opposite sides thereof to result in a thin spiral ribbon formation having all points on its convolutions disposed in a common plane.

2,101,196
TUMBLING MILL
Nathan Ransohoff, Cincinnati, Ohio
Application June 26, 1935, Serial No. 28,496
7 Claims. (Cl. 51—164)



1. In a tumbling mill, a rotatably mounted cylinder, reversible means for rotating said cylinder, said cylinder having partitions therein dividing it into a central tumbling chamber and storage chambers at the respective ends for abrading or burnishing elements, means within the tumbling chamber for moving the burnishing or abrading elements from the center thereof outwardly against the partitions upon one direction of rotation of the cylinder, and scoop elements connecting the central chamber with each end chamber, said scoops effective for transferring the burnishing or abrading elements from the central chamber to the end chambers when said cylinder is being rotated in said direction of rotation.

2,101,197
TREATMENT OF BOILER WATER
Cyrus W. Rice, Pittsburgh, Pa.
Application May 11, 1935, Serial No. 20,928
7 Claims. (Cl. 210—14)

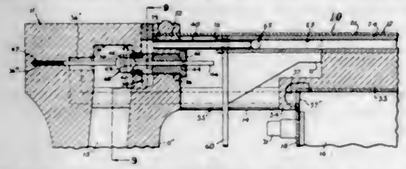


1. In the softening of a flowing stream of water the herein described method of controlling the relative retention in the water of radicals combinable to produce temporary hardness and those combinable to produce permanent hardness, which comprises determining the relative proportion of temporary hardness compounds and permanent hardness compounds in the raw water, regenerating a zeolite bed with ammonium and sodium containing reagents causing inclusion of both ammonium radical and sodium radical in the zeolite bodies while apportioning the reagents to cause relative inclusion of the ammonium radical with respect to the sodium radical in a ratio based upon the relative content of temporary hardness forming radicals and permanent hardness forming radicals in the raw water and predetermined with respect to the extent to which it is desired to eliminate the temporary hardness forming radicals from the water, passing raw water through said zeolite bed and thereby causing inclusion of ammonium and sodium radicals in the effluent in the ratio in which they are present in the zeolite bed, heating the effluent to thereby cause combination of approximately the entire content of ammonium radical with temporary hardness forming radicals and thereby to decompose ammonium compounds, and venting the products of such decomposition from the effluent while retaining in the effluent the sodium radical and hardness forming radicals to the extent that they are combined with the sodium radical.

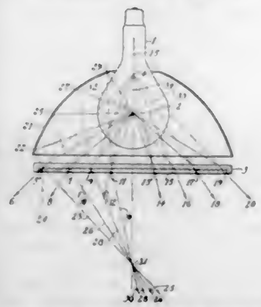
2,101,198
AIR GUN
William C. Robinson, Bell, Calif.
Application June 12, 1936, Serial No. 84,855
12 Claims. (Cl. 124—15)

1. An air gun including a stock, an air reservoir and an outer barrel secured to said stock,

said stock having a chamber therein, means to admit a charge of air into the chamber, means to discharge a charge of air from the chamber, a tube member mounted on said stock and projecting forwardly therefrom, said stock having conduit means therein at one end communicating with said tube and at the opposite end communicating with said chamber, a rifle barrel slidably mounted on said tube member, a magazine tube in said rifle barrel, said rifle barrel having a loading aperture communicating with said magazine tube.



2,101,199
LUMINAIR
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application March 14, 1935, Serial No. 11,006
5 Claims. (Cl. 240—93)



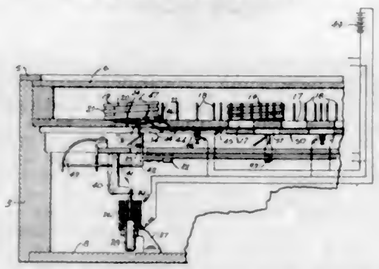
1. A luminair comprising a light source, an open-mouthed reflector about the light source and a prismatic light transmitting member disposed across the mouth of the reflector to intercept direct and reflected light and refractively transmit the same, the reflected light being received by the prismatic member at a different angle from the reflector axis than that of the direct light incident on the same area of the transmitting member, the prisms being of variant refractive power to refract said reflected light to emerge at each point at substantially the same angular divergence from the reflector axis as that of the direct light refracted from said point and on the opposite side of the axis.

2,101,200
CIGARETTE EXTINGUISHER
Henry Roy Spangler, Denver, Colo.
Application September 1, 1936, Serial No. 98,836
2 Claims. (Cl. 131—51)



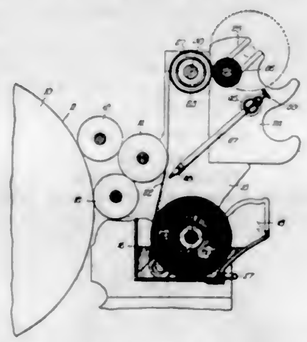
1. A cigarette extinguisher comprising: a metallic tube; a plurality of pointed metallic plates extending within and intersecting each other within said tube so as to divide the burning extremity of a cigarette as it is forced into said tube.

2,101,201
GAME APPARATUS
Carl R. Simpkins, Inglewood, Calif., assignor to J. Frank Meyer, Flintridge, Calif.
Application May 14, 1934, Serial No. 725,455
3 Claims. (Cl. 273—121)



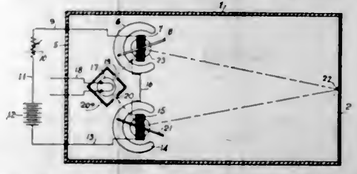
1. In a ball game, a playing field, means disposing said playing field at an angle to the horizontal whereby balls placed thereon will move by gravity over said field, means for projecting balls onto said playing field, means disposed on said playing field forming barriers in the path of movement of balls over said field, ball-throwing means disposed on said field in advance of said barriers for receiving balls and for throwing balls so received over said barrier, means disposed between said barrier and said ball-throwing means engageable by balls moving toward said barrier for actuating said ball-throwing means.

2,101,202
DAMPENING MECHANISM FOR PRINTING PRESSES
Burt D. Stevens, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 20, 1936, Serial No. 80,700
21 Claims. (Cl. 101—147)



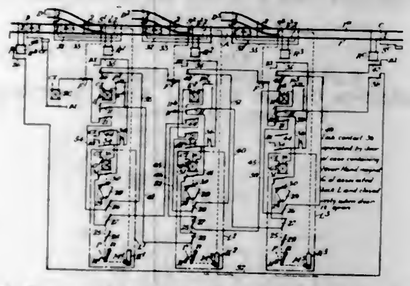
1. In a dampening device, a distributing roller, a movable moisture absorbing medium in contact with said roller, said medium having movement in one direction only from a source of liquid supply to a point of takeup, and means directing a blast of air against said medium in advance of its contact with said roller.

2,101,203
MEASURING INSTRUMENT
Harry A. Toulmin, Jr., Dayton, Ohio, assignor to Business Corners, Inc. of Delaware, Dayton, Ohio, a corporation of Delaware
Application January 21, 1936, Serial No. 60,147
7 Claims. (Cl. 171—95)



1. In combination, means for producing and directing diverging light beams, a pair of rotatable mirrors adapted to receive said beams, a scale for receiving said light beams, and electrical means including a single series electric circuit for simultaneously positioning both said mirrors to adjust the light beams by movements of said beams toward or away from each other on said scale.

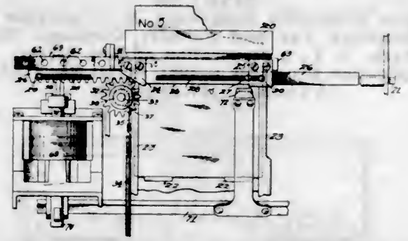
2,101,204
RAILWAY TRAFFIC CONTROLLING APPARATUS
Harry C. Vantassel, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 14, 1936, Serial No. 74,256
9 Claims. (Cl. 246—134)



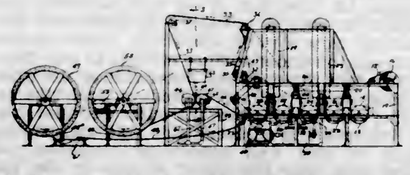
4. In combination, a stretch of railway track including a plurality of switches, a signal adjacent one end of said stretch for governing traffic movements into said stretch in one direction, a relay associated with each switch, means for controlling each relay in such manner that the relay cannot be energized unless said stretch is unoccupied and the remaining relays are all deenergized, and means controlled by said relays for controlling said signal.

2,101,205
WORKMAN'S TIME RECORDER
Edward G. Watkins and James A. Dell, Gardner, Mass., assignors to Simplex Time Recorder Company, Gardner, Mass., a corporation of Massachusetts
Application September 24, 1935, Serial No. 41,924
9 Claims. (Cl. 234—43)

1. In a time recorder, a card chute, a hammer device, actuating mechanism therefor including an electric circuit and a circuit-closing switch, a bar mounted on said chute and having spaced holes therein, and a plunger slidable through any one of said holes when said hole is in a predetermined position, said plunger and bar cooperating to prevent closing of said switch when said plunger is out of alignment with one of said holes.

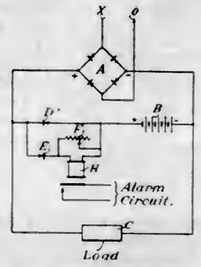


2,101,206
PROCESS OF MAKING RIBBED SEPARATORS
Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application March 19, 1935, Serial No. 11,842
10 Claims. (Cl. 18—48)



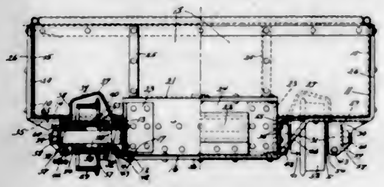
1. The process of making ribbed microporous separators which comprises forming a strip of reticulous rubber gel, and molding ribs thereon from additional reticulous rubber gel and amalgamating the same with the rubber gel strip.

2,101,207
BATTERY CHARGING APPARATUS
Kenneth T. Williamson, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 11, 1935, Serial No. 21,046
2 Claims. (Cl. 177—311)



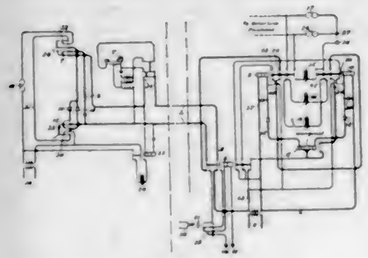
1. In combination with a source of direct current, a load and a battery both connected in multiple with said source, a relay interposed in series with said battery, an indicating circuit controlled by said relay, a rectifier connected in series with said relay and poled to permit current flowing into the battery from the source to energize the relay, and a shunt path around the relay and the first rectifier including a second rectifier poled to permit the flow of current from said battery to said load through such shunt.

2,101,208
MINE CAR
Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application December 1, 1931, Serial No. 578,272
5 Claims. (Cl. 105—364)



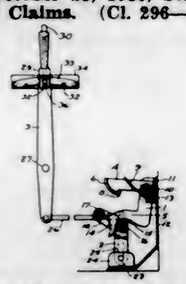
1. In a mine car, a central longitudinally extending floor, opposite side sections extending laterally outward therefrom, each side section comprising a riser, side flooring and side wall, each side flooring having spaced wheel openings adjacent the riser, a plurality of integral wheel frames each comprising, inner and outer pedestal portions for reception of an axle, a wheel hood adapted to extend upwardly through and substantially close a wheel opening, a flange adapted to engage the under surface of the car side flooring adjacent the ends and outer side of the wheel opening, and a pair of spaced vertical ribs extending outwardly from the outer pedestal portion beneath the adjacent side wall constituting a pair of side wall supporting elements, and means attaching the wheel frames to the side flooring.

2,101,209
SIGNALING SYSTEM
Walter Meredith Bacon, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 21, 1934, Serial No. 736,406
2 Claims. (Cl. 175—320)



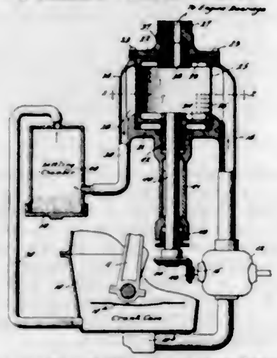
1. In an alarm system, a central station, a substation connected thereto, first and second keying devices at said substation, first and second normally operated relays at the central station corresponding to said substation, means responsive to the operation of the first keying device at the substation for maintaining the corresponding first relay operated and for deenergizing the second relay, means responsive to the operation of the first and second keying devices at the substation for operating the corresponding second relay and for deenergizing the first relay, and means for operating both the first and second relays corresponding to the substation when both the first and second keying devices are unoperated.

2,101,210
COMBINATION LATCH
Wright Barclay, New York, N. Y.
Refiled for abandoned application Serial No. 713,104, filed February 27, 1934. This application filed October 23, 1936, Serial No. 107,630
11 Claims. (Cl. 296—65)



1. A locking device comprising a U shaped latch having a locking projection on the inside of one end thereof, means pivotally mounting said latch and means holding said latch in an open or locked position without having a positive connection thereto, and with play in said holding means, said means also adapted to hold said latch in a neutral position permitting an object to enter said latch, and said latch preventing its being moved therefrom until the latch is opened, said latch characterized in that the end thereof, opposite the end having the locking projection thereon, is freely held by mechanical means, and said mechanical means adapted to be operated from a remote point.

2,101,211
FILTER
Karl B. Britton, Cleveland, Ohio
Application October 30, 1934, Serial No. 750,729
8 Claims. (Cl. 210—167)



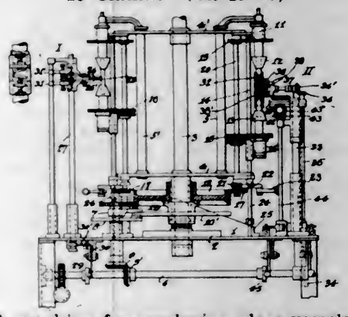
1. In apparatus of the character described, the combination of a housing, a filtering medium therein, means for relatively moving the said filtering medium and housing, an inlet for delivering fluid upon successive portions of the filtering medium as relative movement occurs, said housing having a discharge outlet for the filtered fluid, a valve controlled by-pass between the said inlet and the said discharge outlet, means between said inlet and said by-pass for separating out foreign material, said housing being provided with a by-pass outlet for discharging restricted amounts of fluid which has already been filtered through the said filtering medium in a direction to remove material which has previously been deposited thereon.

2,101,212
BOILED EGG OPENER
Camille Coppin, Brussels, Belgium
Application December 15, 1936, Serial No. 116,033
In Belgium December 31, 1935
2 Claims. (Cl. 146—2)



1. A device of the character described including an annular box-like sectional casing, one part of which is releasably engageable with the other, the inner periphery of the casing being provided with a horizontal slot extending entirely thereabout, the outer periphery of the casing being provided with an aperture, an open ring-like resilient member removably arranged within the casing and surrounding the inner periphery of the casing and provided with a series of teeth positioned in proximity to the horizontal slot and grips continuing from the ends of the open ring-like resilient member and projecting through and operable in the aperture, whereby when pressed together the resilient member will be guided by the upper and lower walls of the casing and contracted against the inner periphery of the casing and the teeth thereof projected through the horizontal slot in the casing substantially as and for the purposes set forth.

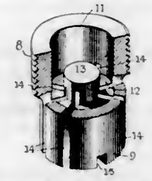
2,101,213
MACHINE FOR PRODUCING GLASS VESSELS FROM TUBING
Jakob Dichter, Berlin, Germany
Application February 16, 1933, Serial No. 657,084
In Germany May 2, 1932
19 Claims. (Cl. 49—7)



1. A machine for producing glass vessels from glass tubes comprising in combination, pairs of axially superposed tube holders arranged in a circle, means for rotating said holders about their axes, means for moving said pairs of holders about their common centre, concentrically distributed means for heating the glass tubes between the holders of each pair, means for forming spaced constrictions in each tube between the holders and means for blowing out and for molding each tube between the constrictions thereof.

2,101,214
WASP EXCLUDER FOR AIR BRAKES
Terry Everett, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 15, 1937, Serial No. 125,864
1 Claim. (Cl. 303—1)

A wasp excluder of the type comprising in one piece an attaching base and an extension having intersecting cross slots, in which the cross slots communicate with an annular bore leading from the end of said base, said bore surrounding a



central hub integral with said base and extension, said hub serving to blank the intersection of the cross slots and to stiffen the slotted extension.

2,101,215
RESINOUS AMINOMETHANOL-AROMATIC AMINE-FORMALDEHYDE CONDENSATION PRODUCTS
George D. Graves and Jesse Harmon, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 25, 1936, Serial No. 112,826
10 Claims. (Cl. 260—130)

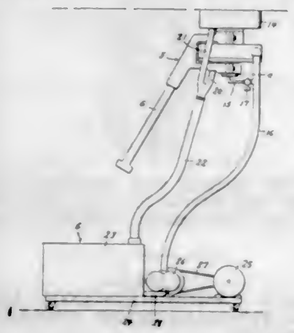
1. Process of preparing resins soluble at least to the extent of 1 part in 99 parts of 2% aqueous acetic acid which comprises the following steps: adding 81 parts of 37% aqueous formaldehyde to a solution, cooled to 4° C., of 36.4 parts of aniline and 14.6 parts of n-butylamine in 170 parts of 95% ethanol; adding 1 part of phthalic anhydride; heating the mixture for about 24 hours at 65–75° C.; cooling and then adding 60 parts of 37% hydrochloric acid while maintaining the temperature at 20 to 30° C.; heating the mixture at 65 to 75° C. for four hours; diluting with 500 parts of water; adding with agitation an excess of 5% aqueous caustic soda; filtering off the precipitate, washing and drying.

6. A heat-hardening resin soluble to the extent of at least one gram in 99 grams of 2% aqueous acetic acid and insoluble in water and basic solutions, said resin being a condensation product of formaldehyde with a condensation product of a primary aromatic amine $R—NH_2$, wherein R is hydrocarbon, with an aminomethanol from formaldehyde and an aliphatic amine having at least one amino hydrogen atom and in which each radical attached to the amino nitrogen atom has less than seven carbon atoms.

2,101,216
CEILING WASHER
Adolph C. Grueschow, Milwaukee, Wis.
Application November 3, 1936, Serial No. 109,011
1 Claim. (Cl. 15—50)

A washer of the character described comprising a yoke, a handle extending from the yoke, said yoke having substantially parallel extending portions, said extending portions having openings therein, a housing interposed between said extending portions, oppositely projecting tubular members on the housing extending through said openings, a resilient cup-like member on the outer end of one of the tubular members, a drain pipe extending from the housing and through an opening in one of the extending portions to prevent rotation of the housing, a hollow shaft extending through the housing and having its ends journaled in said tubular members, a brush secured to the end of the tubular

shaft adjacent the cup-like member and in which the brush is located, a fluid driven impeller in the housing secured to the tubular shaft, a fluid inlet for said housing adapted to discharge



fluid against said impeller to rotate the same, a fluid conduit extending to said inlet, and a branch pipe extending from the conduit and through the tubular shaft to terminate in the cup-like member.

2,101,217
PRODUCTION OF DICARBOXYLIC ACIDS AND ESTERS THEREOF
Julian W. Hill and Edgar W. Spanagel, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 29, 1935, Serial No. 3,956
15 Claims (Cl. 260—106)

1. In a process of producing dicarboxylic acids and esters, the steps which comprise treating an alkali metal derivative of a beta-ketonic ester of the general formula

$$R-\overset{\overset{O}{\|}}{C}-CHR_1-COOR_2$$

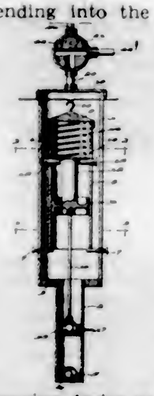
with a compound having the formula

$$X-R_3-X$$

in which R and R_2 represent hydrocarbon radicals, R_1 is a member of the group consisting of hydrogen and hydrocarbon radicals, R_3 represents a divalent hydrocarbon radical containing at least two carbon atoms and in which the terminal carbon atoms are aliphatic in character, and X is a member of the group consisting of chlorine, bromine and iodine, and then reacting the resultant reaction mixture with an alcohol and the corresponding metal alcoholate.

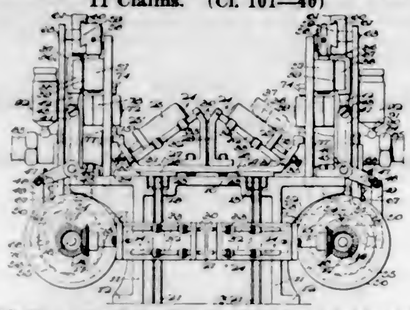
2,101,218
RODLESS PUMP
Walter N. Huff, Harwood, Tex.
Application September 24, 1936, Serial No. 102,423
5 Claims. (Cl. 103—44)

1. In an apparatus for use in raising oil from a well, a well tubing, a suction cylinder of smaller diameter than said well tubing, means forming a fluid tight connection between the upper end of said suction cylinder and the lower end of said well tubing, projections from the lower portion of said well tubing, and a pumping device positioned within the tubing, closed at its upper end and in communication with said tubing at its lower end removably supported by said projections and extending into the suction cylinder



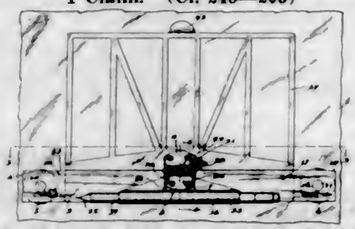
whereby the pumping device as a whole may be removed from said well tubing.

2,101,219
APPARATUS FOR MARKING ARTICLES
Henry Kershaw, Newark, N. J.
Application June 24, 1936, Serial No. 87,069
11 Claims. (Cl. 101—40)



10. In a machine for marking rotatable articles, a traveling support, a pair of spaced shafts rotatably mounted upon the traveling support and having their axes of rotation vertically inclined, rollers mounted upon the shafts and extending radially beyond the same and being spaced for a distance less than the diameter of the rotatable article arranged above and supported thereon, and means to mark the article while being supported by the rollers.

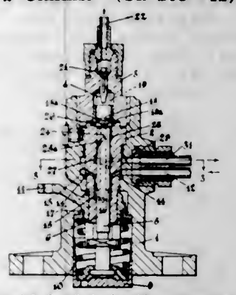
2,101,220
HOLDER
Fred A. Kiser, Lamar, Kans.
Application June 19, 1936, Serial No. 86,204
1 Claim. (Cl. 248—205)



Means for securing a spring controlled clamping element in juxtaposition to a cooperating

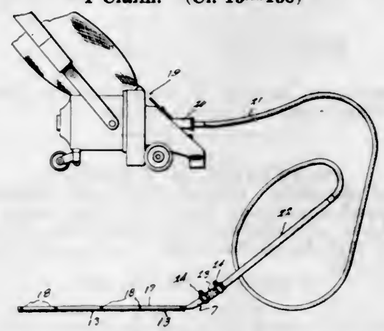
surface, comprising an oblong base member formed intermediate the ends of its rear face with a vertical groove for receiving the lower end of said element, said member being formed on its forward face with spaced oppositely disposed rabbets to provide said member with reduced end terminal portions, means on the forward faces of said end terminal portions for detachably securing said member directly against said surface, and said groove gradually increasing in depth from its lower to its upper end.

2,101,221
LIQUID FUEL PUMP
Rudolf L'Orange, Stuttgart, Germany, assignor of one-half to Frederick Richard Simms, London, England
Application April 20, 1933, Serial No. 667,125
In Germany December 5, 1932
2 Claims. (Cl. 103—41)



1. In a liquid fuel injection pump of the type in which the output is varied by by-passing fuel from the pump chamber at the end of the injection stroke, the combination comprising a cylinder, a plunger reciprocable therein, suction and spill passages formed distinct from one another, the suction passage being disposed interiorly of said plunger and communicating with the exterior of said plunger through at least one lateral suction passage therein, means for closing said suction passage during a portion of the stroke of said plunger, said spill passage being disposed wholly exteriorly of said plunger and being constituted by one part formed in the outer surface of said plunger and another part formed in the wall of said cylinder, one of said parts of said spill passage comprising a groove extending down to a discharge chamber for the spill fuel in said cylinder wall, said groove having a closed end cooperating with said another part of the spill passage to control the spill, said another part of the spill passage being in constant communication with the pump chamber, a discharge chamber for the spill fuel in said cylinder wall extending substantially completely around said plunger and arranged to be in constant communication with said spill groove, and an inlet chamber for the fuel supply also in said cylinder wall and extending substantially completely around said plunger and communicating to supply fuel to said suction passage formed interiorly of said plunger through said lateral suction passage therein, said discharge chamber for the spill fuel being arranged in said cylinder wall above said inlet chamber for the fuel supply so as to maintain the spill fuel entirely separate from the suction fuel and so that any spill fuel leaking from said discharge chamber will be caught underneath in said inlet chamber, the arrangement being such that a complete uniflow action of the fuel in said pump is obtained by maintaining the suction and spill fuels entirely separate from one another in their passage respectively to and from the pump chamber.

2,101,222
VACUUM CLEANER APPLIANCE
Leonard Oren McCracken, North Little Rock, Ark.
Application February 18, 1936, Serial No. 64,553
1 Claim. (Cl. 15—158)



An appliance for vacuum cleaners comprising an elongated shallow narrow nozzle, a removable closure at one end of the nozzle, elongated members provided along the longitudinal edges of the nozzle, a transversely extending member across the outer end of the closure, said elongated members and transverse member being provided with depending bristles, and a continuous retaining band secured to the outsides of the said elongated members and transverse member for holding the same intact with the nozzle and the closure against displacement.

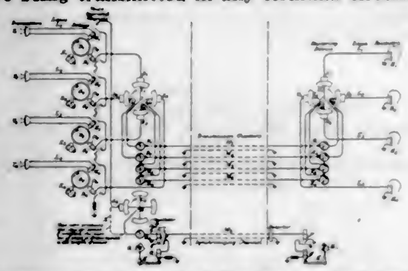
2,101,223
CHEMICAL PROCESS
Joseph Grange Moore, Runcorn, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 7, 1935, Serial No. 39,625. In Great Britain September 24, 1934
6 Claims. (Cl. 260—1)

1. Process for stabilizing chlorinated rubber which comprises emulsifying a solution of chlorinated rubber in carbon tetrachloride with an aqueous solution of sodium bisulfite, and separating the chlorinated rubber from the liquid components.

2,101,224
PRIVACY SYSTEM
Harold Smith Osborne, Upper Montclair, and Sumner Bisbee Wright, South Orange, N. J.; said Osborne assignor to American Telephone and Telegraph Company, a corporation of New York, and said Wright assignor to Bell Telephone Laboratories, Inc., a corporation of New York
Application March 7, 1936, Serial No. 67,722
18 Claims. (Cl. 179—1.5)

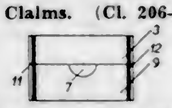
1. In a signaling system, a plurality of terminal circuits, a plurality of transmission channels, one connected to each terminal circuit, switching means for simultaneously interchanging the connections between the terminal circuits and the transmission channels, said means operating to produce such interchange only when no signals

are being transmitted in any terminal circuit or



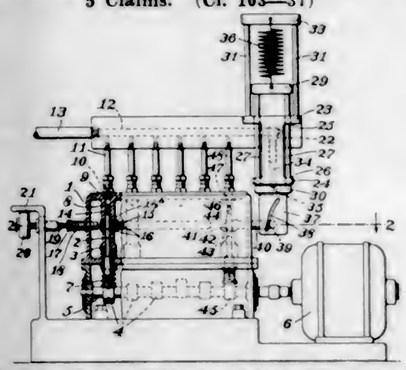
transmission channel of the system and before the transmission of signals begins.

2,101,225
PRODUCTION OF WRAPPERS
Adolf Rambold, Dresden-Laubegast, Germany
Original application May 31, 1935, Serial No. 24,416. Divided and this application October 31, 1935, Serial No. 47,692. In Germany April 13, 1935
2 Claims. (Cl. 206—46)



1. The combination with a bag having a holder string and attached label, of a wrapper comprising a rectangular blank having top and bottom parts folded over about the bag and string into relatively overlapped relation, with only part of the label projecting from the overlap, and the lateral edges of the folded blank crimped together.

2,101,226
LEAKAGE COMPENSATOR FOR PUMPING SYSTEMS
Alfred Sonntag, Moline, Ill., assignor, by mesne assignments, to American Machine and Metals, Inc., New York, N. Y., a corporation of Delaware
Application December 3, 1935, Serial No. 52,714
5 Claims. (Cl. 103—37)

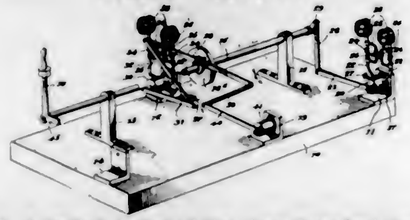


1. In an hydraulic system adapted for use with testing machines, a primary impeller for introducing liquid into the system at a predetermined rate, an auxiliary impeller, a template shaped to bear a definite relation to the leakage curve of the system means responsive to the pressure in the system for imparting movement to said template, and means so operated by the movement of the template as to cause said auxiliary impeller to introduce additional liquid into the system to compensate for that lost through leakage.

2,101,227
POLYCARBOXYLIC ACID ESTERS OF POLYUNSATURATED HIGHER ALCOHOLS
James H. Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 13, 1935, Serial No. 35,972
13 Claims. (Cl. 260—103)

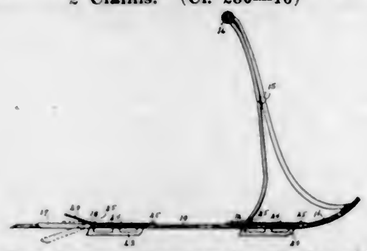
1. An ester of a polycarboxylic acid wherein the hydrogen atom of at least one carboxyl group is replaced by the polyunsaturated hydrocarbon radical of an alcohol obtainable by the carboxyl reduction of the acid radicals of China-wood oil.

2,101,228
TESTING MACHINE FOR SHOCK ABSORBERS AND THE LIKE
Louis E. Willard, Dallas, Tex., assignor of fifty-one percent to John M. Hanford, Dallas, Tex.
Application May 8, 1936, Serial No. 78,695
6 Claims. (Cl. 73—51)



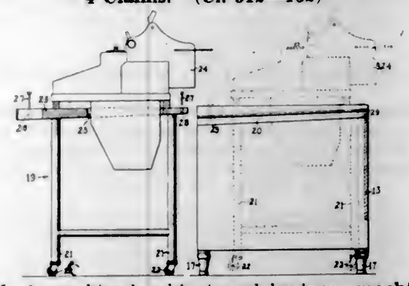
1. A testing device of the class described comprising a base, an operating shaft, a plurality of testing cylinders arranged upon opposite sides of the shaft, crank means connected to the testing cylinders for building up pressure within the cylinders as said shaft is actuated, gage means carried by each cylinder for indicating the pressure built up in the cylinders, means for regulating the pressure within one cylinder whereby the pressure built up in both cylinders may be indicated as being uniform upon the gages, and means for forming a detachable connection between a device to be tested and said operating shaft for causing the resistance in the device being tested relative to one of the first mentioned cylinders to be registered upon the gages associated with the last mentioned cylinder.

2,101,229
ICE OR SNOW SCOOTER
Roland O. Anderson and Clair H. Anderson, Des Moines, Iowa
Application August 27, 1936, Serial No. 98,150
2 Claims. (Cl. 280—16)



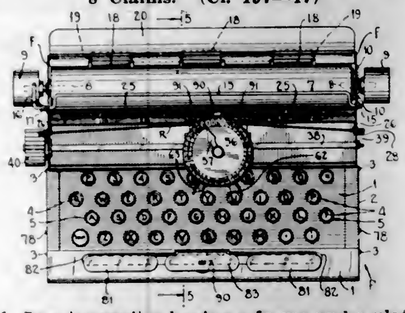
1. In a device of the class described, a ski portion having two slot openings, a skate runner extending downwardly through each of said slot openings, a means for securing said skate runners to said ski portion, and a handle member operatively secured to said ski portion.

2,101,230
COMBINED CABINET AND BUSINESS MACHINE STAND
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 5, 1936, Serial No. 83,681
4 Claims. (Cl. 312—162)



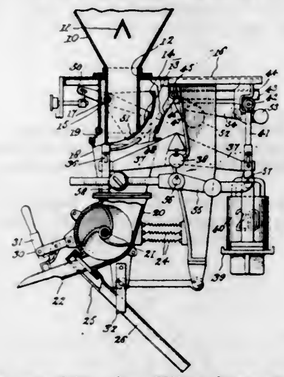
1. A combined cabinet and business machine stand comprising a cabinet having spaced banks with tops and a connector between the banks, means rendering each bank self-supporting, a business machine stand having a frame and feet by which it is self-supporting and having means at the top for mounting a business machine and for engaging guide means on the spaced banks, and said guide means so related with the banks as to permit the stand to be slidably moved into an elevated position of use between the tops of the banks.

2,101,231
TYPEWRITER
Thomas Raymond Arden, Baldwin, N. Y., assignor to Nic Projector Corporation, New York, N. Y., a corporation of New York
Application December 21, 1935, Serial No. 55,608
8 Claims. (Cl. 197—47)



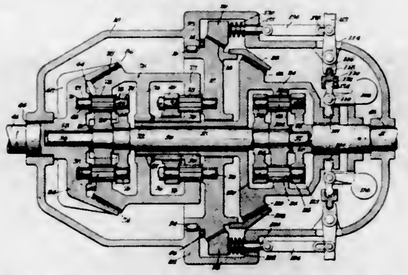
1. In a typewriter having a frame and a platen, a shaft mounted in said frame, a carriage mounted on said shaft, said carriage being rockable in unison with said shaft and said shaft being turnable relative to said carriage, said carriage being longitudinally slidable relative to said shaft, a movable printing member located on said carriage and having a plurality of characters thereon, and connecting mechanism intermediate said shaft and said printing member, said connecting mechanism being adapted to actuate said printing member when the shaft is turned, so as to bring a selected character of said printing member into printing position relative to said platen.

2,101,232
FILLING MACHINE
Johann Georg Ferdinand Augustin, Krefeld, Germany, assignor to Verpackungsbedarf G. m. b. H., Krefeld, Germany
Application December 23, 1935, Serial No. 55,912
In Germany January 13, 1934
4 Claims. (Cl. 249—61)



1. In a machine for filling bags and similar receptacles, a supporting frame, a storage bin secured to said frame and having a discharge mouth, a balance bearing arranged at said frame, a scale beam resting in said balance bearing, a feeding hopper suspended from one end of said scale beam, rotary impelling means having an electric motor arranged at said feeding hopper, flexible means for connecting said feeding hopper and said electric motor to said frame, means for supporting the filling receptacle, said means including a tube tapering from said feeding hopper, clamping means supported above said tube for clamping the receptacle onto said tube, pins secured to said feeding hopper and secured to said frame, and links engaging said pins for forming parallel guides adapted to prevent the feeding hopper from swinging.

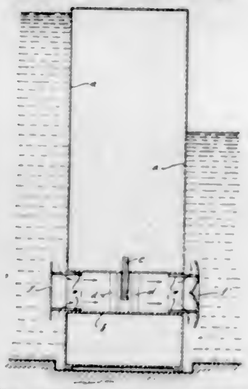
2,101,233
VARIABLE TRANSMISSION MEANS
Charles Bancroft, New Canaan, Conn.
Application March 6, 1937, Serial No. 129,329
12 Claims. (Cl. 74—260)



1. A device of the character described, including, in combination, a stator, an input shaft and an output shaft rotatably mounted in said stator, an intermediate shaft in said stator and arranged coaxially with said other shafts, a hub secured to said input shaft, planetary gears rotatably mounted in said hub, a sun gear on said intermediate shaft and meshing with said planetary gears, a frame rotatably mounted on said

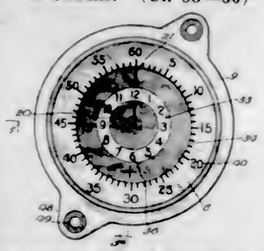
intermediate shaft, gearing on said frame meshing with said planetary gears, a fulcrum member, gears rotatably mounted in said fulcrum member and associated with said frame, another frame associated with said fulcrum member and having a gear therein, a second sun gear on said intermediate shaft, a hub secured to said output shaft, planetary gears rotatably mounted in said hub and meshing with said second sun gear and said gear on last-mentioned frame.

2,101,234
SLUICE GATE
Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany, a corporation of Germany
Application January 18, 1936, Serial No. 59,775
In Germany January 18, 1935
4 Claims. (Cl. 61—22)



1. In sluice gates having passageways transversely extending therethrough, in combination with the outer walls of the gate, guide elements spaced a short distance away from said outer walls in front of the ends of said passageways for transversely deflecting the flow of water while entering, and emerging from, said passageways, and means provided on the gate structure for supporting said guide elements in position.

2,101,235
CLOCK
Gordon Miller Buehrig, Auburn, Ind., assignor to Auburn Automobile Company, Auburn, Ind., a corporation of Indiana
Application September 24, 1935, Serial No. 41,888
5 Claims. (Cl. 58—50)



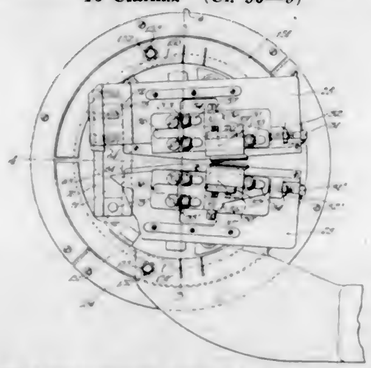
4. A clock comprising in combination, an open front casing having clock-operating mechanism in the rear portion thereof and provided with an opaque plate in front of the mechanism and spaced inwardly from the front thereof, an opaque ring mounted in the casing in front of the plate, a transparent dial disposed in front of the ring and having around the outer portion thereof and adjacent to the inner edge of the ring, a minute scale and also having a separate hour scale within the minute scale, minute- and hour-hands positioned between the plate and ring and connected for movement by the mechanism, and window means in the casing for admitting light into the space between said plate and ring for dial illuminating purposes.

2,101,236
CARTRIDGE-EJECTING MECHANISM FOR FIREARMS
Frank F. Burton, Mount Carmel, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application November 28, 1934, Serial No. 755,206
6 Claims. (Cl. 42—25)



1. In a firearm, the combination with a reciprocating breech-bolt; of an ejector-member carried by the said breech-bolt with freedom for both lateral and longitudinal movement with respect to the said breech-bolt; and cam-like spring-actuated ejector-operating means carried by a normally-stationary part of the firearm and engageable with the said ejector-member upon the retiring movement of the said breech-bolt and constructed and arranged to impart to the said ejector-member a combined forward-and-lateral cartridge-ejecting movement.

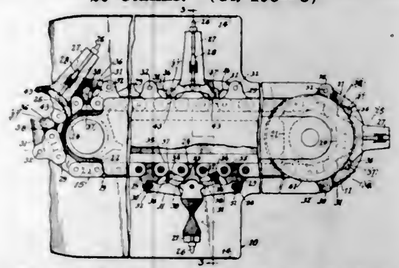
2,101,237
MACHINE FOR PRODUCING GEARS
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application September 9, 1935, Serial No. 39,675
16 Claims. (Cl. 90—9)



3. In a gear cutting machine, a support, a ram reciprocable in said support, a slide reciprocable on said ram in a direction at an angle to the direction of reciprocation of said ram, a rotatable crank-shaft, means operatively connecting the crank-shaft to said slide to reciprocate the same to effect cutting and return strokes of said slide,

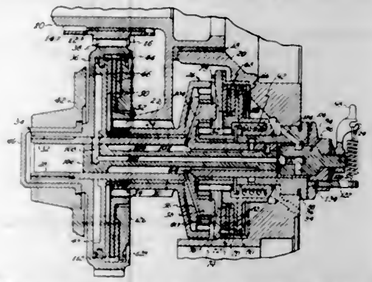
a cam secured to said crank-shaft and operatively connected to said ram to reciprocate the same to move the tool slide to and from cutting position at opposite ends of its stroke, means for rotating said shaft, and means for moving said shaft bodily to effect depthwise feed movement of the tool.

2,101,238
GATHERING OR PICK-UP CONVEYER
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 10, 1934, Serial No. 752,431
Renewed May 6, 1937
20 Claims. (Cl. 198—8)



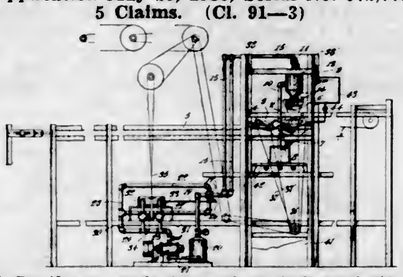
1. In a gathering conveyer, a pan, a gathering mechanism movable along said pan including an orbitally movable continuous chain having a plurality of flights, pivotally mounted thereon and adapted to extend laterally therefrom while moving along said pan, means for permitting said flights to fold rearwardly along said chain at one end of said pan, and means for holding said flights in a laterally extended position with respect to said chain at the other end of said pan comprising a rotatable disk, and engaging abutments extending inwardly and laterally from said flights on opposite sides of the center lines thereof for engagement with said disk.

2,101,239
SUPERCHARGER DRIVE
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York
Application August 14, 1934, Serial No. 739,765
7 Claims. (Cl. 74—290)



1. The combination with a supercharger layshaft, of a pinion rotationally free from said shaft, a supercharger driving gear upon said shaft, a sun gear rotationally free upon the shaft, an annular gear rigid with the pinion, planet pinions engaging the last said gears, a clutch means adapted to lock the sun gear against rotation, a second clutch means adapted to lock the layshaft pinion to the layshaft, and means to engage either of said clutches and adapted to disengage both.

2,101,240
METHOD AND APPARATUS FOR COATING CONFECTIONS
William S. Cloud, Wilmette, Ill.
Application May 25, 1933, Serial No. 672,775
5 Claims. (Cl. 91—3)

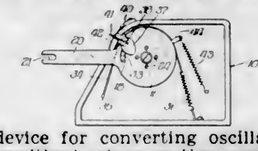


5. In the manufacture of coated confections, the method of handling glazing syrups which tend to crystallize when agitated which comprises circulating the syrup in an endless path, applying reduced pressure to said syrup during a portion of its travel and utilizing the difference between said reduced pressure and atmospheric pressure to accomplish said circulation, and causing said syrup to pass over the confections to be coated during a portion of its travel when said reduced pressure is not applied.

2,101,241
LUBRICATING OILS
Joseph Cole, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 30, 1936, Serial No. 103,365
4 Claims. (Cl. 87—9)

1. A method of making an anti-oxidant comprising reacting chlorinated paraffin wax and oleic acid with anhydrous aluminum chloride, reacting the product of this reaction with lime, and recovering an anti-oxidant product by distillation from the resulting mixture.

2,101,242
CLUTCH
Sarah M. Crewdson, Chicago, Ill., assignor of nineteen-thirtieths to Robert H. Goodhart and three-thirtieths to Herman M. Soloway, Chicago, Ill.
Original application April 15, 1935, Serial No. 16,362. Divided and this application August 8, 1935, Serial No. 35,230
7 Claims. (Cl. 74—142)



1. A device for converting oscillating motion into intermittent rotary motion comprising a rotatable shaft, a clutch member of generally cup-shape fixed thereto and rotating therewith, a clutch ring having rotation independently of the clutch member and positioned adjacent thereto,

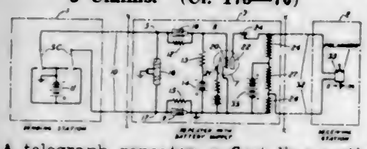
clutch rollers carried by said ring and located within the member, resilient means yieldingly biasing said ring in a direction to hold the ring against a stop, and means within the member having oscillating motion, said means being operative to cam the rollers into engagement with the internal periphery of the clutch member when oscillated in a direction opposite to the direction in which the clutch ring is yieldingly biased.

2,101,243

TELEGRAPH SIGNAL REPEATING SYSTEM

George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 11, 1935, Serial No. 26,030
5 Claims. (Cl. 178—70)



1. A telegraph repeater, a first line section, a second line section, said repeater including thermionic space discharge amplifying means having an input side and an output side, capacity means having a leak path for impressing polar signal impulses from said first line section upon said input circuit, a balancing bridge circuit for impressing the impulses from said output circuit directly upon said second line section as polar impulses with substantially the same wave shape as in said input circuit.

2,101,244

PISTON RING

Charles Curtis, Chicago, Ill., assignor of twenty-five percent to Fred A. Luthy and twenty-five percent to Deborah R. Luthy, Jackson, Mich.

Application November 15, 1933, Serial No. 698,029
Renewed July 9, 1937
2 Claims. (Cl. 309—41)



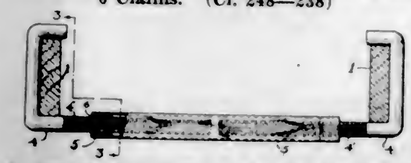
1. A one piece piston ring formed with a plurality of circumferentially spaced slots therein, a plurality of individual spring members mounted thereon and formed with reduced end sections adapted to be accommodated in said slots, and shoulders on the springs to form a bearing against the inner face of the ring.

2,101,245

STEPLADDER ATTACHMENT

Anthony De Franco, Euclid, Ohio

Application July 5, 1935, Serial No. 29,892
6 Claims. (Cl. 248—238)



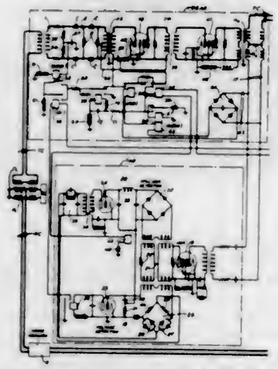
6. An attachment for a step ladder, comprising end members with transversely arranged shank arms and a single intermediate member having co-axially rotatable extensible engagement with the corresponding shank arms of the end members, said end members being adapted for clamping engagement with the inclined sides of a step ladder, and said intermediate member being adapted to support a scaffold.

2,101,246

TRANSMISSION CONTROL IN SIGNALING SYSTEMS

Alton C. Dickieson, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 28, 1936, Serial No. 71,406
13 Claims. (Cl. 179—170)



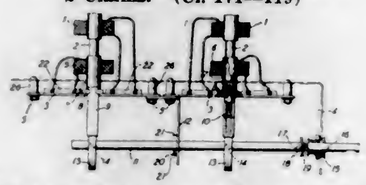
13. A control circuit for a two-way signaling system including at each terminal thereof a signal transmitting path and a signal receiving path each including a wave amplifier, comprising means responsive to variations in the amplitude level of the signals in one of the paths at said one terminal to control the gain of the amplifier therein, and auxiliary means directly responsive to the gain setting of said amplifier in said one path to cause the gain of said amplifier to be increased when below a given value.

2,101,247

AMPLIFIER COUPLING CIRCUITS

Charles William Earp, Aldwych, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 28, 1935, Serial No. 8,602
In Great Britain July 23, 1934
2 Claims. (Cl. 171—119)



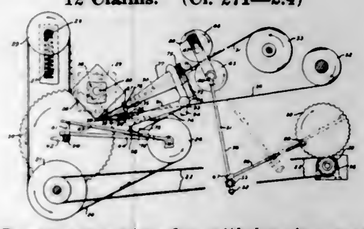
1. In a superheterodyne radio receiver, a plurality of adjustable intermediate frequency transformers each comprising a fixed winding, a movable winding, a rod axially supporting the fixed winding, a sleeve slidably mounted on the rod and axially supporting the movable winding, and a saddle-shaped member attached to said sleeve, a narrow mounting strip extending through the saddle-shaped members and having the rods mounted thereon and a driving mechanism operating on all of said saddle-shaped members in unison to simultaneously vary the spacing and consequently the electro-magnetical coupling of the fixed and movable windings.

2,101,248

APPARATUS FOR WINDING MATERIAL

Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Original application February 9, 1935, Serial No. 5,743. Divided and this application December 11, 1935, Serial No. 53,960
12 Claims. (Cl. 271—2.4)



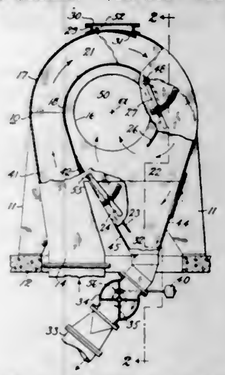
1. In an apparatus for withdrawing material from a continuous supply thereof in a sequence of more than two successive portions of predeterminedly and unidirectionally varying length and having means to advance the material step by step, means to predeterminedly and unidirectionally vary the length of more than two successive steps comprising a reciprocable member to actuate the advancing means, means to drive the member in reciprocation, and means interposed between the driving means and the member operating to unidirectionally alter the excursion of the member.

2,101,249

PNEUMATIC CLASSIFIER

Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application March 30, 1932, Serial No. 601,916
6 Claims. (Cl. 209—144)



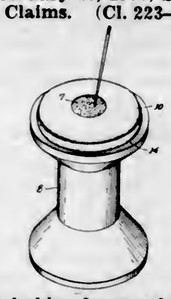
4. A classifier comprising a casing arranged to provide a smoothly curving passage about a horizontal axis discharging in a vertically downward direction into an expansion chamber in the casing, the classifier having an outlet disposed above the expansion chamber, the walls defining the curving passage being arranged so as to prevent the collection of material in flowing through the passage to the outlet and to prevent the passage of separated material into or through the normal path of flow through the classifier to the outlet, one of the walls defining the passage having an air opening, means comprising a damper operative to control said air opening and the flow area of the passage to vary the proportion of material and air flowing through the passage, and means comprising a damper conforming substantially to the curvature of a wall of the passage for controlling the flow area of said passage to control the velocity of flow of material therethrough and into the expansion chamber to thereby control the degree of separation of material from the stream flowing through the passage.

2,101,250

SPOOL NEEDLE CUSHION

Frederick Goertz, South Orange, N. J.

Application February 17, 1937, Serial No. 126,139
12 Claims. (Cl. 223—109)



1. A needle holder for spools, comprising reversely cupped telescopically engaged centrally perforated discs, needle cushion material over the central perforations of said discs and a spring loop having outwardly angled ends located between said cupped discs.

2,101,251

PIGMENTING FIBROUS MATERIALS

Ernst Götte and Walter Kling, Chemnitz, Germany, assignors, by mesne assignments, to Böhme Fettchemie - Gesellschaft mit beschrankter Haftung, Chemnitz, Germany

No Drawing. Application June 30, 1934, Serial No. 733,332. In Germany July 1, 1933
14 Claims. (Cl. 8—20)

1. The process of pigmenting fibrous materials comprising applying to such materials a pigment sorbed by an electro-neutral composition composed of a positively charging organic emulsifying agent containing at least one alkyl radical having at least eight carbon atoms and a negatively charging organic emulsifying agent containing an aliphatic radical having at least eight carbon atoms.

2,101,252

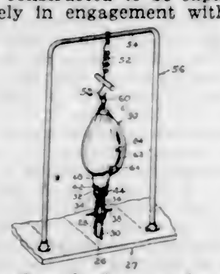
APPARATUS FOR MOLDING AND ORNAMENTING RUBBER ARTICLES

Roland H. Guinzburg, Flushing, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.

Application August 14, 1935, Serial No. 36,140
14 Claims. (Cl. 18—19)

1. Apparatus for molding and vulcanizing vulcanizable objects comprising a form having a contour corresponding to the desired contour of the finished object, a first flexible member for

reception over the form and the object positioned thereon and constructed to be capable of being pressed closely in engagement with the object



when positioned on the form, and a second flexible member of sheet material for pressing said first flexible member in close engagement with said object substantially throughout the extent thereof.

2,101,253

PROCESS FOR PRODUCING ARTIFICIAL THREADS, FIBERS, AND THE LIKE

Martin Günther and Johann Eggert, Berlin, Germany, assignors to "Patentverwertung Dr. Martin Günther G. m. b. H.", Berlin, Germany, a corporation of Germany

No Drawing. Application October 19, 1935, Serial No. 45,831. In Germany October 20, 1934

6 Claims. (Cl. 260—10)

1. In a process for disintegrating straw containing cellulose, the continuous steps of preboiling corn straw under a pressure from 4 to 10 atmospheres with a previously used alkaline lye, of steaming the preboiled straw under pressure after a removal of the lye, of after-boiling the straw with a fresh alkali and of employing the alkali of said after-boiling for preboiling a further quantity of corn straw.

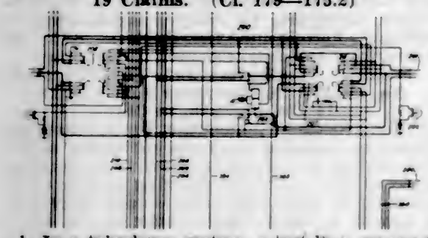
2,101,254

TESTING CIRCUIT

Alfred E. Hague, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 16, 1936, Serial No. 101,041

19 Claims. (Cl. 179—175.2)



1. In a telephone system, a test line, means for successively establishing a plurality of test conditions in said test line, means for normally maintaining each of said conditions for predetermined periods of time, and means to independently curtail any one or more of said periods.

2,101,255

METHOD OF MAKING PESSARIES

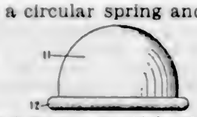
Rene M. Hay, New York, N. Y., assignor to Durex Products, Inc., a corporation of New York

Application March 1, 1930, Serial No. 432,306

Renewed January 14, 1937

10 Claims. (Cl. 18—59)

8. In the process of fabricating a pessary, the step of rolling the marginal portion of a sheet of rubber about a circular spring and then vulcan-



izing said sheet upon a mold having the desired size and shape of the finished pessary.

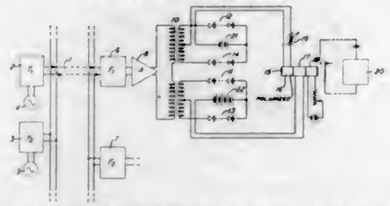
2,101,256

CARRIER TELEGRAPH RECEIVER

Theodore A. Jones, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 29, 1934, Serial No. 759,636

6 Claims. (Cl. 178—66)



1. In a signaling system in which the received signals are subject to variations in strength, a signal input circuit, a signal receiving circuit comprising two response elements both individually coupled to receive simultaneously signal energy from said input circuit, said elements having a substantially constant difference in response over a range of signal strength, and a receiver responsive to the difference in response of said elements whereby received signals of varying strength within said range affect said receiver substantially alike.

2,101,257

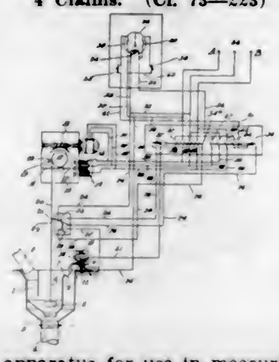
APPARATUS FOR MEASURING LIQUID OR FLUENT MATERIALS

Mikael Vogel-Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application August 17, 1935, Serial No. 36,659

In Great Britain August 18, 1934

4 Claims. (Cl. 73—223)



1. An apparatus for use in measuring liquids or fluent materials comprising a measuring vessel into which the material flows, such vessel having an outlet for the material, a valve member for controlling the outlet, an electrically driven mechanism for actuating the valve member, a

control circuit for initiating the operation of said mechanism to cause the valve member to close the outlet, means to stop said mechanism as the outlet is closed, a second circuit and connections for effecting operation of said mechanism in reverse to open the outlet, means actuated by accumulation of material in the vessel to close the last named circuit and cause said mechanism to move the valve member to open the outlet, a clock device, means independent of said mechanism controlled by the closure of the valve member to start the clock device, and means actuated by the accumulation of material in the vessel to stop the clock device.

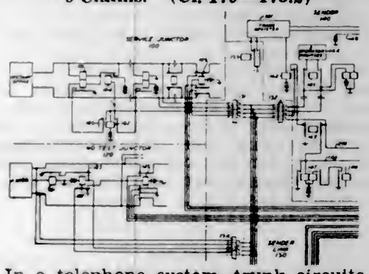
2,101,258

TELEPHONE SYSTEM

Franklin A. Korn, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 11, 1936, Serial No. 68,255

9 Claims. (Cl. 179—175.2)



1. In a telephone system, trunk circuits of a plurality of types, registering means, means for associating said registering means with one of said trunk circuits, means in said registering means to distinguish between types of said trunk circuits, means for controlling the establishment of connections with idle lines, other means for controlling the establishment of connections with lines whether busy or idle, means for connecting one of said control means with one of said registering means, and means in said connecting means, operated in accordance with said distinguishing means for permitting the connection of said registering means with one of said other control means only.

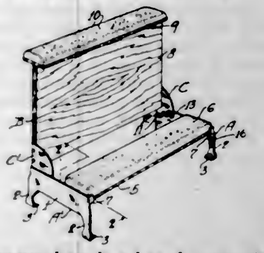
2,101,259

PRAYER BENCH

Argo E. Landau, St. Louis, Mo., assignor to Royal Bond, Inc., St. Louis, Mo., a corporation of Missouri

Application August 26, 1936, Serial No. 97,953

2 Claims. (Cl. 155—166)



1. In a prayer-bench, a bench comprising a pair of spaced rigid end-members and a cross-member constituting a knee-rest fixed to, and extending between, the end-members at their forward margins in spaced relation upwardly from their lower margin, an arm-rest structure comprising a panel having hinged connection at its lower margin between the end-members adjacent the rear margins of said end-members for swingable movement both inoperatively rearwardly and forwardly under, and operatively rearwardly and upwardly from, the knee-rest, and co-operable means on the end-members and panel for releasably securing the panel in upwardly swung operative position, said panel having a width less than the distance between, and when in folded inoperative position being disposed intermediate, said end-members.

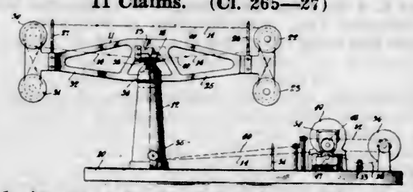
2,101,260

APPARATUS FOR DETERMINING VARIATIONS IN THICKNESS OF THREAD

Hans P. Luhn, New York, N. Y.

Application February 19, 1935, Serial No. 7,304

11 Claims. (Cl. 265—27)



1. An apparatus for determining differences in thickness in portions of thread or the like, comprising means for simultaneously supporting successive portions of equal length of an unbroken thread, means for comparing the weights of said portions, and means controlled by said comparing means for indicating variations in weight of said portions.

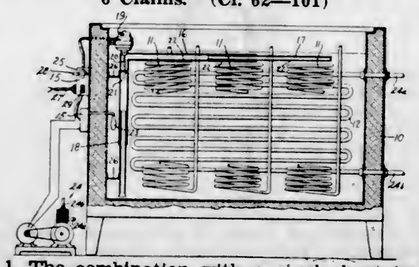
2,101,261

REFRIGERANT SYSTEM AND APPARATUS

Michael A. Martin, Erie, Pa.

Application September 24, 1935, Serial No. 41,911

6 Claims. (Cl. 62—101)



1. The combination with a single heat insulated cabinet, a liquid container in the cabinet, means for cooling said container comprising a liquid heat transfer agent substantially immersing the container, of means effecting circulation of the heat transfer liquid comprising a tube of a substantially uniform diameter having an open end adjacent the cabinet base and a perforated horizontally extending portion immersed by said heat exchange liquid, and disposed a substantial distance upwardly from the cabinet base, and motor operable impeller means within the tube whereby the heat exchange liquid may be circulated through the tube from one portion of the cabinet to another portion, to maintain a substantially uniform temperature of the heat exchange liquid throughout the cabinet.

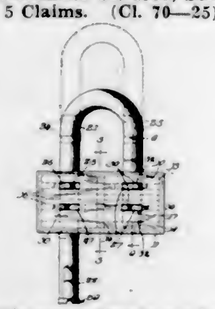
2,101,262
CELLULOSE ETHERIFICATION
Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 23, 1935, Serial No. 7,850
12 Claims. (Cl. 260—152)

1. Process for the preparation of low substituted methyl cellulose, which comprises steeping 80 parts of cellulose in solid form in 400 parts of 21% sodium hydroxide solution to which has been added 102 parts of sodium methyl sulfate, for one-half hour, pressing the steeped cellulose to a weight of 216 parts, maintaining the same for 96 hours at 30° C. and washing with tepid water.

2,101,263
CONTINUOUS PREPARATION OF CELLULOSE DERIVATIVES
Robert W. Maxwell, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1935, Serial No. 34,133
19 Claims. (Cl. 260—152)

1. Process for the preparation of cellulose ethers which comprises continuously impregnating cellulose in sheet form with aqueous caustic alkali and an etherifying agent, the sheet being impregnated with the caustic alkali at least as soon as with the etherifying agent, continuously pressing out excess thereof, and allowing the thus impregnated sheet to react, and then stopping the reaction.

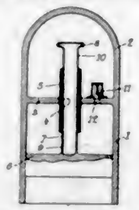
2,101,264
PADLOCK
George F. Mayer, Chicago, Ill.
Application December 21, 1935, Serial No. 55,536
5 Claims. (Cl. 70—25)



1. A padlock comprising in combination a casing consisting of a pair of members in telescopic arrangement with each other, having registering openings in two of the sides of said casing at one end thereof and at one side only at the opposite end, a frame in said casing, a plurality of sliding tumblers mounted in said frame on each side thereof and a shackle extending through said casing having long and short ends, the said shackle having tumbler slots formed in both the long and short ends thereof.

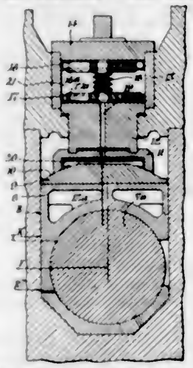
2,101,265
SHOCK ABSORBER
Jean Mercier, Neuilly-sur-Seine, France
Application December 26, 1934, Serial No. 759,204
In France January 9, 1934
10 Claims. (Cl. 267—64)

1. In a damping device between two elements movable with relation to each other and connected by an elastic connection adapted to maintain said elements in an initial relative position at a predetermined distance from each other when at rest and to bring again said elements at the same distance when they have been moved towards and away from each other, in combination: a container, fluid compressing means provided with two opposite walls operatively connected with said two elements and adapted to be moved towards and away from each other, com-



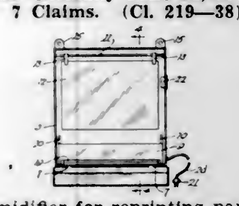
municating means between said container and said fluid compressing means, whereby said fluid compressing means is adapted to discharge fluid into said container and to receive fluid from said container when said elements are moved with relation to each other, and intercepting means adapted to close said communicating means after a predetermined relative displacement between said elements from their initial relative position and to again open said communicating means as soon as said elements are returning towards their initial relative position.

2,101,266
ROLLING MILL
Joseph J. Munson, Houma, La.
Application January 12, 1935, Serial No. 1,457
11 Claims. (Cl. 308—9)



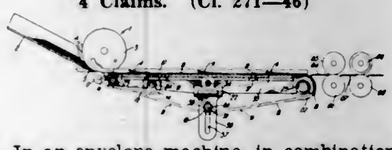
1. In a device of the character described, the combination with a fixed frame provided with spaced vertical guide surfaces, of a mill roll rotatable about a tiltable axis, a bearing block rotatably engaging said mill roll and slidably engaging said spaced parallel guide surfaces, said mill roll being in journalling rotatable engagement with said bearing block and subject to a lateral journal pressure substantially normal to one of the guide surfaces, and means operating downwardly on said bearing block between said guide surfaces for counteracting the upward tilting movements of said mill roll, said bearing block being provided on the side exposed to said journal pressure with a downward extension in slidable engagement with said one of the guide surfaces above and below the axis of said mill roll.

2,101,267
HUMIDIFIER
Edmund Nestler, Dresden, Germany
Application May 15, 1936, Serial No. 79,880
In Germany June 11, 1935
7 Claims. (Cl. 219—38)



1. A humidifier for reprinting paper comprising a box-shaped container, a cover forming the front wall of said container, horizontal rods within said container, detachable clips for suspending reprinting paper sheets severally on said rods, and a removable water trough within said container and below the reprinting paper sheets when the same are suspended within the container for storing and evaporating water.

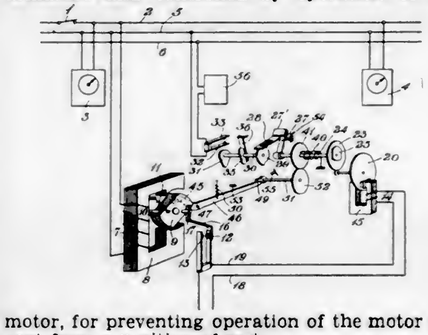
2,101,268
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application April 27, 1932, Serial No. 607,738
Renewed July 11, 1936
4 Claims. (Cl. 271—46)



1. In an envelope machine, in combination, a table, a feeder for accelerating a blank on the table from a state of rest, said blank having re-entrant corners in its trailing edge comprising a pair of endless chains and pins carried by the chains and engageable with the trailing edge of the blank to initiate its forward movement, said pins engaging said blank at points other than said re-entrant corners, and a timing and aligning feeder operated at a higher speed than the first mentioned feeder, and comprising a pair of endless chains and pins on the chains for overtaking the blank, engaging the trailing edge thereof gently in said re-entrant corners, and taking over control of the blank from the first feeder, the chains of each feeder being relatively adjustable laterally of the machine.

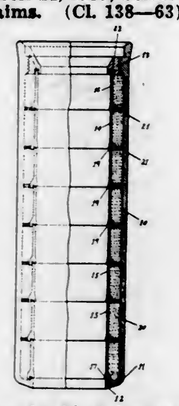
2,101,269
REMOTE CONTROL SYSTEM
Riccard Pudelko, Zug, Switzerland, assignor to Landis & Gyr, A-G., a corporation of Switzerland
Application September 11, 1934, Serial No. 743,623
In Switzerland September 15, 1933
5 Claims. (Cl. 175—375)

1. A remote control impulse receiving device including in combination a relay, an armature therefore, a motor supplied with power under control of the relay, a spring for returning the motor to its normal, initial position, a main switch, a cam for controlling the main switch, a pawl and ratchet drive operated by the motor for moving the cam whereby the cam is moved only after the motor has operated for a predetermined period, and means engageable with said armature and controlled by operation of the



motor, for preventing operation of the motor except from a position of rest.

2,101,270
BLOWPIPE
Owen R. Rice, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application March 14, 1935, Serial No. 11,005
17 Claims. (Cl. 138—63)

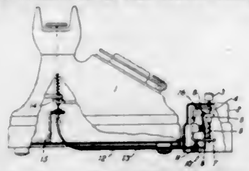


1. In a blow pipe for blast furnaces, in combination, a pipe casing and a ring assembly within said casing, said ring assembly comprising a plurality of rings disposed end for end coaxially relative to said casing, each of said rings having an inwardly flaring end portion of less diameter than the remainder of said ring, most of said rings at their other ends having an annular shoulder for receiving and encircling the first mentioned end of an adjacent ring whereby said assembly may be cleaned out without fouling the joints between adjacent rings, and insulating material between said ring assembly and said casing, said rings being of a material capable of resisting the high temperatures of a blast for blast furnaces.

2,101,271
SUBSTATION TELEPHONE APPARATUS
Louis Jean Joseph Schreiber, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 20, 1937, Serial No. 131,979
In Belgium June 17, 1936
5 Claims. (Cl. 179—158)

1. A hand telephone support comprising a base portion, a cradle portion to receive a hand tele-

phone, a circuit-controlling plunger member to be depressed by the hand telephone when placed on the cradle portion and to be movable upwardly upon removal of the hand telephone, and



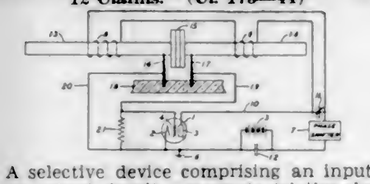
means for locking the plunger member in its upward position, said means comprising a flexible cable attached at one end to said plunger member, and spring-controlled means at the other end of said cable.

2,101,272

COMBINED MAGNETOSTRICTION AND PIEZOELECTRIC SELECTIVE DEVICE

Herbert J. Scott, Passaic, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 18, 1934, Serial No. 735,861
12 Claims. (Cl. 178—44)



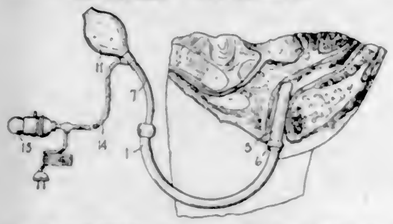
1. A selective device comprising an input circuit, an output circuit, a magnetostrictive element tuned to the frequency of oscillations which it is desired to transmit from said input circuit to said output circuit connected to said input circuit, a piezoelectric element having all its natural periods of vibration remote from that of the magnetostrictive element, a mounting for said piezoelectric element, means symmetrically connecting said magnetostrictive element to said piezoelectric element to permit transfer of mechanical energy from the magnetostrictive element to the piezoelectric element without imposing substantial stress on said piezoelectric element relative to its supports, and means connected to the piezoelectric element and to the output circuit to impress corresponding electrical oscillations of the desired frequency derived from the piezoelectric element upon the output circuit.

2,101,273

MASSAGE INSTRUMENT FOR TREATING THE PROSTATE GLAND

Wallace D. Smith, Kalamazoo, Mich.

Application January 9, 1935, Serial No. 935
10 Claims. (Cl. 128—64)



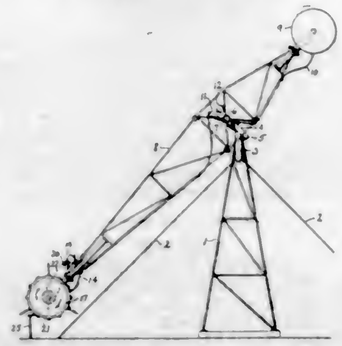
7. In a massage instrument for treating the prostate gland, a tubular applicator with its tip end apertured by an opening cut at an angle oblique to the axis of the tube, an expansible rubber sack within the applicator to expand and protrude through the said aperture and generally toward one side, and an outer rubber casing for said parts and having suitable retainer means.

2,101,274

AMUSEMENT RIDE DEVICE

Victor Stanzel, Schulenburg, Tex.

Application November 1, 1935, Serial No. 47,744
6 Claims. (Cl. 272—36)



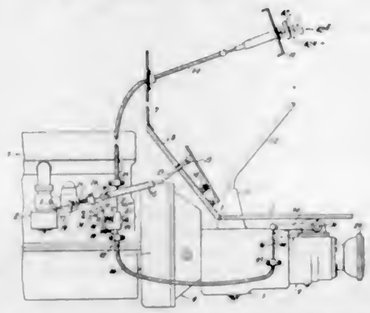
2. An amusement device comprising a stand, a ship supporting beam mounted to revolve on the stand in a plane at an angle to the vertical whereby the elevation of the ship is varied, a passenger ship mounted on the beam to rotate about an approximately horizontal axis, and means for balancing the beam.

2,101,275

AUTOMOTIVE DRIVING MECHANISM

William C. Starkey, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt, and Walter H. Beal, trustees

Application May 15, 1933, Serial No. 671,058
21 Claims. (Cl. 192—.01)



1. In an automotive driving mechanism, a driving member, a driven member and a one way overrunning clutch therebetween, means for locking out said clutch for positively connecting said driving and driven members, and means for actuating said lock out means and including mechanism operating in the initial part of its movement to speed up one of said members and operating in the final part of its movement to complete the lock out operation.

2,101,276

TOY AIRPLANE

William J. Walter, Mishawaka, Ind.

Application November 20, 1936, Serial No. 111,757
7 Claims. (Cl. 46—77)



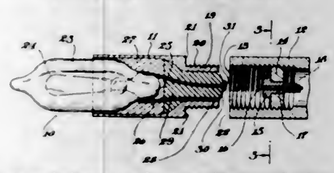
1. A toy airplane comprising, a body portion, a plate extending into said body, a pulley rotatably supported by said plate, and a U-shaped projectile receiving clip supported by said plate extending beneath said body.

2,101,277

MINIATURE ELECTRIC LAMP

Frederick Charles Wappler, New York, N. Y.

Application December 21, 1934, Serial No. 758,561
6 Claims. (Cl. 176—32)



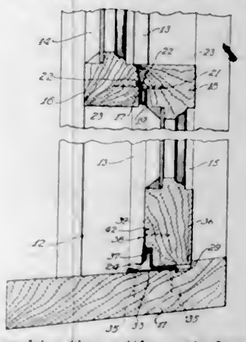
1. In a miniature electric lamp of the character described, a tubular metallic sleeve, a bulb with spaced lead wires projecting from its rear end, said bulb being snugly mounted in the forward end of said sleeve with its rear end within the sleeve and its forward end projecting therefrom, said wires extending rearwardly through said sleeve, an unyielding bonding material around the rear end of the bulb to secure the latter in rigid association with the sleeve, and a mass of resilient, nonconductive, sealing material filling the rear end of the sleeve and yieldably embedding said wires in spaced relation therein.

2,101,278

WEATHER STRIP

George F. Wolff and Willard Congreve, Chicago, Ill.

Application May 13, 1936, Serial No. 79,517
2 Claims. (Cl. 20—69)



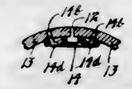
1. The combination with a window frame having a sill and a sash movable relative thereto, of a rigid rib strip secured to said sill and having a plurality of weep holes therein, and a liner strip secured to said sash and provided with a flange portion adapted to substantially close certain of said weep holes when said sash is moved to closed position to permit water to drain between said sill and said sash while effectively preventing air leakage therebetween and a second flange portion adapted to resiliently engage one surface of said rigid rib strip to provide an effective seal therebetween.

2,101,279

PISTON EXPANDER

Glen J. Worel, Minneapolis, Minn., assignor to Charles M. O'Neil, Hopkins, Minn.

Application June 3, 1935, Serial No. 24,594
6 Claims. (Cl. 309—12)



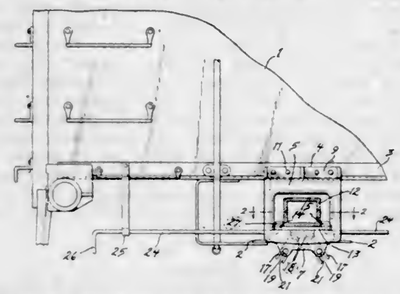
1. In combination with a piston having a skirt provided with a slot to permit expansion, an expander comprising a curved spring member, the body of which lies substantially in a plane, extending vertically against the inner peripheral wall of said piston skirt and traversing said slot, said spring member having a pair of attachment lugs at its ends for engagement with said piston skirt at opposite sides of the slot and said spring member having bearing portions adjacent said attachment lugs for engaging the inner piston wall, the outer surface of said bearing portions being disposed outwardly of the inner and connected ends of said attachment lugs.

2,101,280

RAILWAY CAR COUPLER POSITIONING DEVICE

William Wright, Chicago, Ill., assignor of one-half to Jay V. Westcott and one-half to Claude M. Baker, both of Chicago, Ill.

Application August 10, 1936, Serial No. 95,125
8 Claims. (Cl. 213—16)



1. In a device of the character described, the combination of a car part, a coupler part movable laterally and vertically thereof, a pair of supporting centering links each of which is pivotally engaged at spaced points thereon with said car and coupler parts, said centering links having the planes of the pivotal axes thereof oppositely inclined laterally with reference to a vertical plane and having their pivotal engagements with said car part disposed downwardly from their pivotal engagements with said coupler part, and at least one of the pivotal engagements of each link being slidable correspondingly with the line of the pivotal engagements thereof whereby said links act independently to carry said coupler

part on respective sides of a central position of said coupler part in its lateral movement.

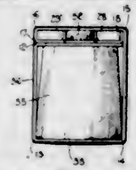
7. In a device of the character described, the combination of a coupler throat part including side walls, a coupler part associated with the opening of said throat part and movable laterally and vertically with reference thereto, a centering device operative to elevate said coupler part with lateral movement thereof out of a central position and vice versa, a longitudinally movable positioning rod extending laterally from said coupler part and operable into an opening in one of said side walls and having a downward bearing engagement with said side wall, and said rod having its inner end portion extending vertically upward and engaged in a vertical aperture in said coupler part.

2,101,281
DINNER PAIL
Kirk E. Porter, Wooster, Ohio, assignor to The Buckeye Aluminum Company, Wooster, Ohio, a corporation of Ohio
Application September 24, 1936, Serial No. 102,339
4 Claims. (Cl. 220—23)



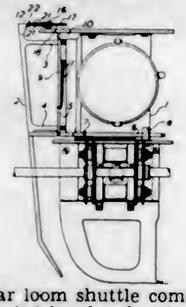
1. A dinner pail including a liquid pail having an outturned bead at its upper end, a food container adapted to fit within the upper open end of the pail and having an outturned rim bead with flattened portions, a hood cover for the food container having an outturned lower end provided with an inturned bead frictionally fitting the outturned bead on the liquid pail, and locking lugs in said cover adapted to pass the flattened portions of the bead, the cover being adapted to be turned upon the container to locate the lugs in locking position beneath the bead and a handle upon the cover whereby the food container and cover may be removed as a unit from the pail.

2,101,282
CARTON
William G. Piper, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application August 22, 1933, Serial No. 686,223
4 Claims. (Cl. 206—46)



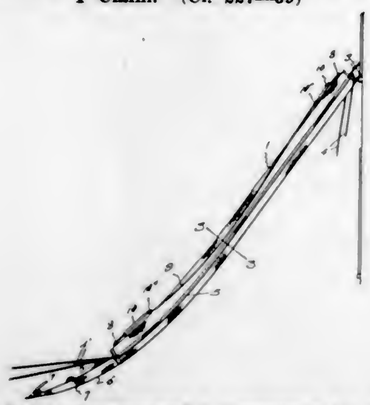
3. A package comprising an article contained within a strip of material bent on three lines to form a rectangle in cross-section, the fourth side of which continues beyond the first side, the continued material of the fourth side is bent at a distance beyond the first side to be over and parallel but spaced from the first side then in a direction parallel to the second side, then to lie parallel to and directly on the first side, and then in a direction parallel and adjacent to the continued fourth side, the material ending at the first bend of the continued fourth side, an H-cut between the last two bends, an O-cut on the first side registering with the H-cut and the material of the two halves of the H-cut bent upward to form braces for the topmost side.

2,101,283
CIRCULAR LOOM
William Pool, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application March 17, 1937, Serial No. 131,343
In Great Britain April 7, 1936
9 Claims. (Cl. 139—13)



1. A circular loom shuttle comprising a detector finger carried by the shuttle, means to urge said finger into contact with one sheet of a warp shed in which the shuttle lies, so as to detect warp threads missing from that sheet, a stop mechanism actuating member and a member adapted to be moved by said finger upon such detection into contact with the other sheet of the warp shed and by such contact to be moved towards the rear of the shuttle to operate said stop mechanism actuating member.

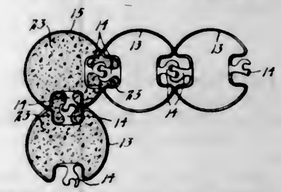
2,101,284
LIFESAVING CHUTE
Lewis Simpson, Monterey Park, Calif.
Application October 19, 1935, Serial No. 45,824
1 Claim. (Cl. 227—39)



A life saving apparatus comprising an elongated flexible chute having anchoring means

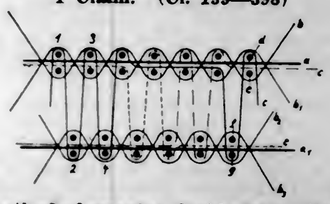
at the ends thereof, an elongated endless cable disposed longitudinally of the chute and having one flight externally disposed of the chute and the other flight internally disposed in the chute, pulleys mounted on the end portions of the chute for supporting the said endless cable, a brake structure at one end of the chute with which the cable is engaged, said brake consisting of a semi-cylindrical shaped structure secured to the chute and provided with upstanding guide walls, and a semi-cylindrical shaped movable member for disposition over the first-mentioned semi-cylindrical structure and between the said guide walls, said semi-cylindrical structures each being lined with a heat resisting material between which the outer flight of the endless cable is disposed.

2,101,285
TUBULAR INTERLOCKING PILING
Edwin Fenton Stevens, St. Paul, Minn.
Application January 31, 1936, Serial No. 61,712
2 Claims. (Cl. 61—53)



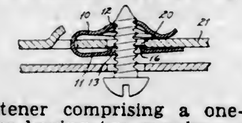
1. A tubular pile unit comprising an elongated tubular member, a portion of one side of said tubular member being displaced inwardly to form a groove extending longitudinally of said member, an interlocking element attached to said tubular member and projecting therefrom and disposed at least in part in said groove and a second interlocking element attached to said tubular member and projecting therefrom and extending longitudinally of said member in circumferentially spaced parallel relation to said groove, said interlocking elements being situated at such respective radii from the longitudinal axis of said member that, when two such members are connected by interlocking one interlocking element of one member with the other interlocking element of the second member, the facing sides of the respective members will be substantially in abutment with each other and said interlocking elements will be concealed.

2,101,286
METHOD OF PRODUCING DOUBLE WARP PILE FABRICS WITH FIGURED BACKS
Heinrich Theunissen, Kaldenkirchen, Germany
Application May 28, 1935, Serial No. 23,896
In Germany June 7, 1934
1 Claim. (Cl. 139—398)



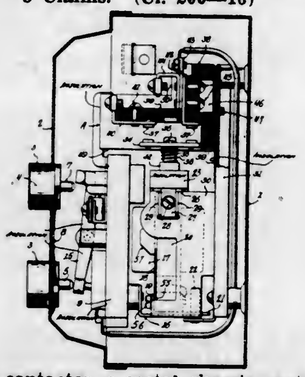
A method of weaving double warp pile fabrics on a double shuttle loom for double pile fabrics the steps which comprise forming a double shed of the warps of the upper fabric with the pile warps and one series of binder warps in the upper plane, the stuffer warps in the central plane, and the second series of binder warps in the lower plane, inserting simultaneously two wefts one into each shed of the upper fabric, then forming a double shed of the warps of the lower fabric with pile warps and one series of binder warps in the lower plane, the stuffer warps in the central plane, and a second series of binder warps in the upper plane, inserting simultaneously two wefts into each shed of the lower fabric, and repeating the process.

2,101,287
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application July 15, 1937, Serial No. 153,756
7 Claims. (Cl. 109—36)



2. A fastener comprising a one-piece sheet metal device having two members, each having registering bolt receiving apertures therein, means adjacent one of the apertures for engaging the thread of a bolt and means adjacent the other aperture for clearing the bolt, but for entering an aperture in a part to be joined and for maintaining the apertures in the part and fastener in registration.

2,101,288
CONTACTOR CONSTRUCTION
Hermon L. Van Valkenburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich.
Application January 26, 1935, Serial No. 3,571
5 Claims. (Cl. 200—16)



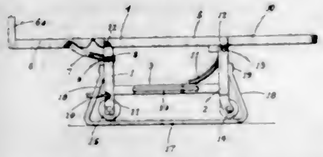
1. In a contactor, a metal chassis, metal side walls extending outwardly therefrom and having guiding slots, an insulating elongated crosshead mounted transversely of said walls and having extensions projecting from one of the longer sides of said crosshead and forming slides located within said guiding slots, said extensions projecting at right angles to said crosshead, movable contact members carried by said crosshead, a stationary contactor block formed of insulating material and having a base portion supported from said chassis and having an outwardly projecting wall, and a plurality of stationary contacts carried by said outwardly projecting wall and positioned for engagement by said movable contacts.

2,101,289
ILLUMINATING DEVICE
Charles H. Victoreen, Cleveland, Ohio
Application November 8, 1934, Serial No. 751,997
7 Claims. (Cl. 240—73)



1. An indirect illuminating device of sheet metal, having a hook member adapted to engage the wall molding of a room to be illuminated, a brace member adapted to bear below said molding against the wall upon which said molding is mounted, and an intermediate trough member adapted to receive and support lamp means and to direct light therefrom upwardly and outwardly into said room, said device being of substantially uniform section lengthwise of said molding but its trough member having an upset part arranged to support a lamp.

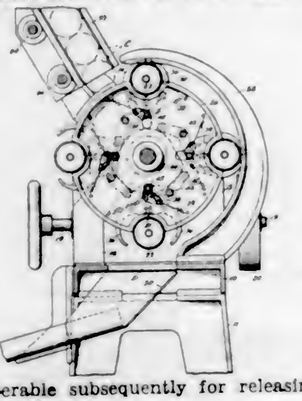
2,101,290
INVALID CHAIR
Alberta M. Pierson, Stockton, Calif.
Application December 18, 1936, Serial No. 116,539
4 Claims. (Cl. 155—28)



1. In an invalid chair including supporting legs, a seat mounted on the legs, and wheels mounted on the lower ends of the legs; arm rests normally disposed to the sides of and above the seat, means mounting the arm rests for selective movement from said normal position to a floor engaging position below the plane of the bottom of the wheels, and retaining means to maintain the arm rests in either position selectively.

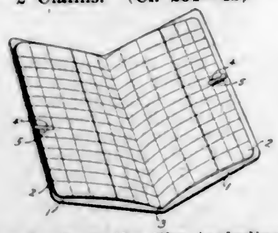
2,101,291
MACHINE FOR PRELIMINARILY ASSEMBLING COVERS TO CONTAINERS
John F. Price, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York
Application June 23, 1936, Serial No. 86,807
9 Claims. (Cl. 93—55.1)

1. A machine for applying covers to containers comprising a suitable frame, a shaft journalled in said frame, means for effecting continuous rotation of said shaft, a pair of spaced apart container supporting disks secured to and rotatable with said shaft, a cover carrying disk secured to and rotatable with said shaft, said container supporting disks and cover supporting disk being provided with means for arranging the containers and covers in axial alinement, means operable during rotation of said disks to effect relative axial movement between the container and the cover to place the latter on the container, and



means operable subsequently for releasing the covered containers.

2,101,292
PASSBOOK OR THE LIKE
Tom B. Radabaugh, West Milton, Ohio
Application August 19, 1936, Serial No. 96,849
2 Claims. (Cl. 281—42)

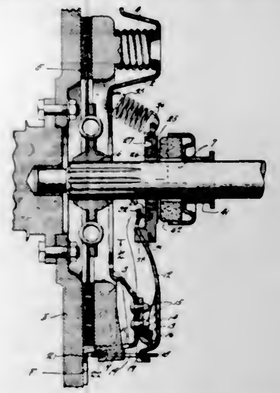


1. A pass book or the like including a cover portion foldable upon a medial line to provide sheet supporting sides, and a plurality of superposed leaves attached to the cover portion at the medial fold line for to and fro swinging motion to expose either side of the sheets, and foldable with the cover, characterized by a detent member on the sheet supporting sides of the cover, and spaced from the medial fold line thereof in proximity with the marginal edge of the cover, comprising a member bent upon itself to provide substantially parallel legs for clasping the free margins of separate groups of leaves and located wholly within the cover portion, the detent members on opposite sides of the medial fold line of the cover being off-set out of alignment with each other and one leg of each detent member being secured to the cover, and each detent member being reversely folded into an arcuate bight with its free leg directed toward the leg attached to the cover for gripping engagement with the sheets, the margins of which are insertible under and removable from beneath the overhanging legs of the detent members.

2,101,293
FRICTION CLUTCH
Harold V. Reed, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 22, 1936, Serial No. 60,156
6 Claims. (Cl. 192—68)

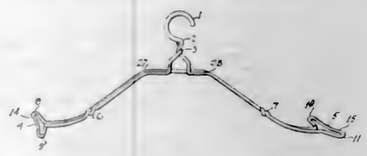
1. In a friction clutch, a spring-urged pressure plate, a pressure plate release lever mounted for

pivotal movement, means connecting one end of said lever with said pressure plate, a lever operating ring mounted for movement along the axis of rotation of said pressure plate, a strut interposed between the opposite end of said lever and said operating ring, said strut having a reduced



portion of angular cross-section received in an opening of similar cross-section in said lever thereby to restrain said strut from lateral movement relative to said lever, and means restraining said ring against rotational movement relative to said lever.

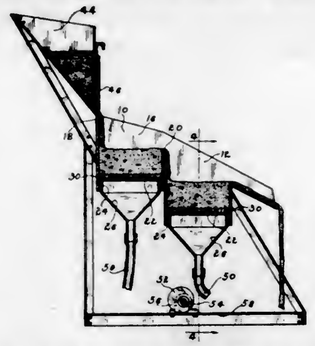
2,101,294
GARMENT HANGER
Raymond O. Ross, Portland, Oreg.
Application August 29, 1934, Serial No. 741,918
2 Claims. (Cl. 223—95)



1. A trousers hanger consisting of a downturned resilient bow having an intermediate supporting hook, each end of said bow branching laterally to form horizontal loop engaging horns, said horns extending in opposite directions and normal to said bow.

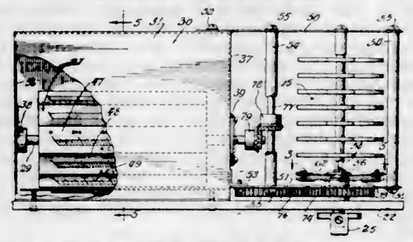
2,101,295
APPARATUS FOR AIR FLOATATION SEPARATION
Edwin M. Rusk, Seattle, Wash.
Application September 8, 1933, Serial No. 688,660
1 Claim. (Cl. 209—466)

In a stepped, multi-chamber, pneumatic, dry ore separator having an elevated feed hopper, and including a separating chamber open at top and bottom and having a discharge wall with its upper edge terminating below the upper edges of the remaining walls of the chamber, the combination of a hollow, removable open-top, air-distributer head inserted in the lower end of the chamber, a separable cover pervious to air mounted on the open-top hollow head and forming the bottom of said chamber, a separable retaining grid forming a weight and resting on said cover,



one wall of said chamber having a slot above said grid for the insertion of a slide plate which is adapted to form an auxiliary chamber-bottom.

2,101,296
ELECTRICAL MEASURING INSTRUMENT
Ray Simpson, River Forest, and George H. Koch, Chicago, Ill., assignors to Simpson Electric Company, Chicago, Ill., a corporation of Illinois
Application April 16, 1936, Serial No. 74,662
2 Claims. (Cl. 171—95)



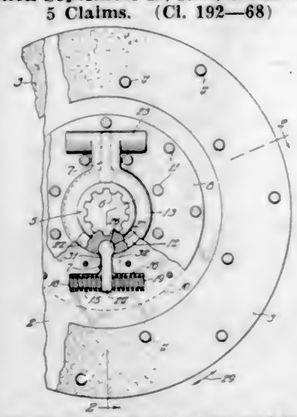
1. In an electrical measuring instrument, the combination of a housing with an electrical measuring instrument movement having a pointer, said pointer being arranged opposite a window in said housing, and said housing having a substantially drum-shaped member provided with a plurality of plane surfaces extending parallel to its axis, said drum-shaped member being mounted for rotary movement on its axis in said housing, and said plane surfaces each being provided with a scale to cooperate with said pointer, and electrical switching means carried by said housing and provided with a manual member for actuating the switch and gearing connecting said switching means and the shaft of said drum-shaped member, suitable circuits connecting said movement and said switch means and electrical resistances, whereby the circuits may be changed to change the range and characteristics of said electrical instrument, said manual means being adapted to bring into proper position with the pointer a suitable scale for each position of the switch, said housing having a plate carried thereby formed with a plurality of depressions surrounding the shaft for the switching means, and resilient oppositely extending arms carried by said shaft of said switching means and having snap rollers for engaging in said depressions, whereby the switching means and the scale are held in predetermined positions by said rollers.

2,101,297

FRICTION CLUTCH PLATE

Benjamin A. Swennes, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

Application September 12, 1936, Serial No. 100,509
5 Claims. (Cl. 192—68)



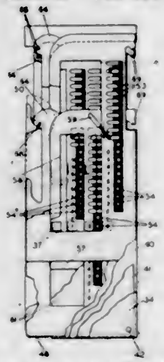
1. A friction clutch plate comprising, a hub member, a disk member mounted for oscillation upon said hub member, friction facings on said disk member adapted frictionally to be engaged and driven by a clutch driving assembly, and means providing a resilient drive connection between said disk and hub members, said means including a simple lever pivotally mounted on said hub member and extending beyond the periphery of the hub member, a pair of compression springs each bearing at one end upon a portion of said disk member and having their opposite ends acting upon the outer end of said lever whereby yieldingly to resist pivotal movement of the lever in either direction, and means forming a part of said disk member adapted to engage said lever between its fulcrum and the point of engagement between said springs and said lever.

2,101,298

CALCULATOR

Wesley Taylor, New York, N. Y., assignor of thirty-eight one-hundredths to Donald S. Root, Bronxville, N. Y., nineteen one-hundredths to Guy Atkinson, New York, N. Y., and five one-hundredths to Warren C. Du Bois, New York, N. Y.

Application April 25, 1933, Serial No. 667,779
15 Claims. (Cl. 235—69)



8. In a calculating machine, a rectangular plate having an opening therein, and a second rectangular plate lying in a plane substantially parallel to that of said first-named plate, said second plate having an opening therein registrable with the opening in said first-named plate, said plates each having thereon at the openings registering surfaces substantially perpendicular to their major surfaces for simultaneous engagement by a plate-moving instrument.

2,101,299

CEMENT

Waldo E. Tyler, Kansas City, Mo., Thomas B. Douglas, Houston, Tex., Paul R. Chamberlain and Russ A. Loveland, Dewey, Okla., assignors to Dewey Portland Cement Company, Kansas City, Mo., a corporation of West Virginia

No Drawing. Original application January 10, 1935, Serial No. 1,154. Divided and this application September 3, 1937, Serial No. 162,296
15 Claims. (Cl. 106—25)

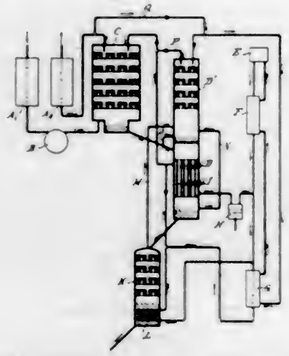
1. A composition of cementitious materials, comprising a mixture of burned argillaceous and calcareous substances, an inert unburned calcareous substance, gypsum, anhydrite and over 0.3% of a plasticizer by weight of said mixture, said plasticizer comprising a mixture of rosin and a fat.

2,101,300

PROCESS FOR THE MANUFACTURE OF KRYPTON AND XENON BY SEPARATION FROM ATMOSPHERIC AIR

André Weil, Paris, France, assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application March 5, 1937, Serial No. 129,139
In France March 12, 1936
5 Claims. (Cl. 62—175.5)



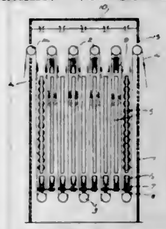
1. A process for extracting krypton and xenon from atmospheric air by rectifying gaseous air with a liquid mixture of oxygen and nitrogen and vaporizing the liquid resulting from the rectification, wherein the gas resulting from the vaporization of the liquid mixture of oxygen and nitrogen resulting from the rectification is rectified with liquid oxygen, liquid nitrogen or a mixture thereof separately from the air so as to free it from its krypton, compressed, liquefied by heat exchange with the liquid mixture of oxygen and nitrogen to be vaporized, and the liquid thus formed is utilized as washing liquid for the air to be treated.

2,101,301

METHOD AND APPARATUS FOR DRYING CELLULOSE AND LIKE MATERIAL IN A CONTINUOUS WEB

Sven Wellmar, Stockholm, Sweden

Application August 9, 1933, Serial No. 684,294
In Sweden September 16, 1932
5 Claims. (Cl. 34—48)



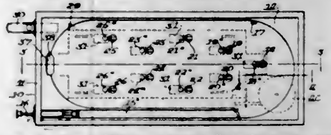
1. The herein described method of drying a continuous web of cellulose, cloth and the like in a chamber, which method consists in conveying the web through the chamber substantially continuously in a zig-zag path and in generally vertical coils with the web hanging between the points of reversal, forcing warm air into the spaces between the vertical runs of the web by means of inlet ducts extending into the space between each of two consecutive vertical runs of the web, respectively, adjacent one of the points of reversal and projecting substantially across the width of the web, distributing the air from said duct and blowing it against the web at points disposed substantially over the full width thereof, discharging the air adjacent the other point of reversal at points disposed over substantially the full width of the web, and supplying radiant heat to said compartment, whereby both sides of the web are subjected simultaneously to radiant heat and to the warm air.

2,101,302

AMUSEMENT GAME

Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Bally Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application December 20, 1935, Serial No. 55,325
11 Claims. (Cl. 273—121)



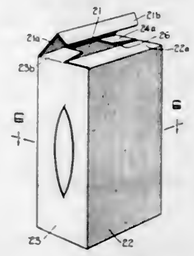
9. In a ball rolling game having a substantially horizontal table provided with pockets for receiving the balls, each pocket including a normally open ball closed switch, indicator lamps carried on the table respectively in proximity to each pocket to designate same, circuits for the said switches and lamps, and an auxiliary circuit including an electromagnetic motor device, the combination with said structure of a circuit control member carried by the table and having means for establishing circuits for the lamps to light the lamps, said circuits being individually established from one lamp to another as the balls are deposited in the respective pockets and in a predetermined order governed by the position of the control member, said control member including means for establishing the auxiliary circuit and causing operation of the motor device when a predetermined number of balls have been deposited in the lamp designated pockets.

2,101,303

LOCKING MEANS FOR JOINING SHEET MATERIAL

Marshall I. Williamson, Edgewater, N. J.

Application October 1, 1935, Serial No. 43,029
4 Claims. (Cl. 229—27)



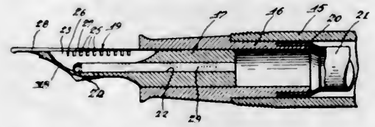
1. A structure embodying a prepared blank of foldable sheet material, said blank comprising a series of panels related in integral sequence, locking means for joining certain of the said panels in effecting assembly of the structure, said locking means comprising at least one set of two individual locking members provided for mutual coordination, each locking member being formed integral with, and surrounded by, the sheet material of the blank, and each locking member, further, comprising both a male and a female formation, the male formation of one of a set of members being adapted for locking coordination with the female formation of the other of the set of members, so that the bases of the respective male members provide mutually limiting stops, the respective male members being of substantially equal extensions, and said individual locking members of the set being disposed in such relation to their respective panels that an edge of one of such panels lies parallel to and in abutting relation with the line of fold defining an edge of the other of such panels at which the latter is integrally related to the component structure.

2,101,304

FOUNTAIN PEN

Howard S. Wright, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware

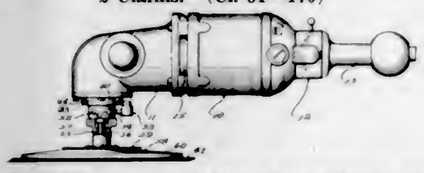
Application June 5, 1936, Serial No. 83,599
19 Claims. (Cl. 120—50)



1. A fountain pen including a feed bar having a shank portion adapted to be mounted within the end of the barrel thereof and an extending nib supporting portion, an internal longitudinally extending feed duct communicating at one end with the writing fluid reservoir of the barrel, a fissure of capillary dimensions communicating with the other end of said feed duct and extending over a portion of the nib supporting portion in a direction toward the barrel, and a plurality of spaced transversely extending combs of capillary dimensions disposed on a portion of the feed bar extending inwardly of the point of communica-

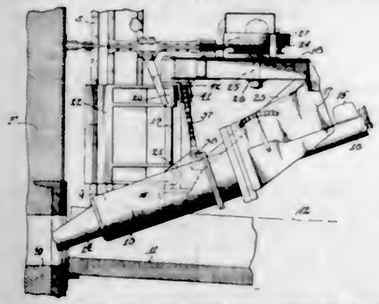
tion between said fissure and said feed duct and communicating with said fissure for accommodating writing fluid expansion from the reservoir.

2,101,305
SANDING MACHINE
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application August 13, 1937, Serial No. 158,857
2 Claims. (Cl. 51—170)



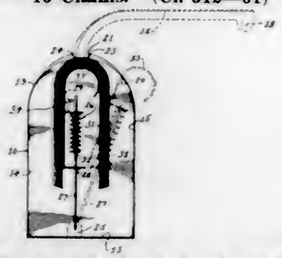
1. In an electric sanding and polishing machine, the combination of an electric motor having a drive shaft and housing, with a gear housing carried by said motor housing, speed reduction gearing located in said gear housing, a drive spindle rotatably mounted in said gear housing and projecting therefrom, said drive spindle being operatively connected to said motor through said speed reduction gearing, and said drive spindle having a threaded portion, a sanding wheel having a hub provided with a complementary threaded portion, said sanding wheel being adapted to support operating tools, a thrust collar carried by said drive spindle, said thrust collar being provided with a radially extending socket, and a pivoted lever carried by said gear housing, said pivoted lever being mounted in a pivot extending substantially parallel to said drive spindle, and having a transversely extending cylindrical lug adapted to be received in said socket whereby the spindle may be secured and held in fixed position by means of said pivoted lever, while the sanding wheel is threaded on or off the threaded portion of said drive spindle.

2,101,306
MUD GUN
Charles W. Andrews and Charles E. Dougan, Chicago, Ill., assignors, by mesne assignments, to August F. Giese, Jr., Gary, Ind.
Application September 8, 1936, Serial No. 99,726
10 Claims. (Cl. 266—42)



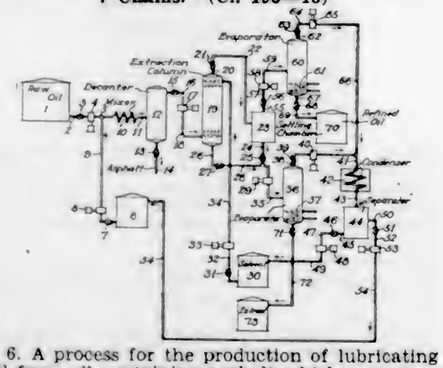
1. In apparatus for closing furnace tapping holes including a mud gun and a supporting structure therefor, the combination comprising a stationary member and means responsive to recoil movement of said gun for locking said structure to said member.

2,101,307
PAPER DISPENSER
Edward Theodore Bodette, Wisconsin Rapids, Wis., assignor to Nekoosa-Edwards Paper Company, Port Edwards, Wis., a corporation of Wisconsin
Application April 10, 1936, Serial No. 73,685
13 Claims. (Cl. 312—61)



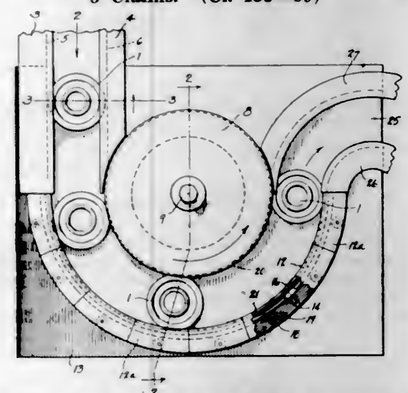
6. A dispenser for a stack of non-interleaved flat sheets of paper comprising a casing having an elongated dispensing opening in its upper end defined by the cut away margins of convergingly rounded walls, a follower plate having a correspondingly rounded surface for receiving a stack of sheets in suspended position looped thereover, said casing having a wall thereof hinged to be opened up to provide an opening into which the follower plate is swung in position for loading with a stack of sheets, pivotally mounted supporting posts for said follower plate tiltable to move said plate into loading position, and springs surrounding and cooperatively supported by said posts to urge said follower plate and supported stack of sheets toward said dispensing opening and center the same with respect to the opening.

2,101,308
PROCESS FOR PRODUCING LUBRICATING OILS
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Original application February 23, 1932, Serial No. 594,605. Divided and this application March 4, 1935, Serial No. 9,314
7 Claims. (Cl. 196—13)



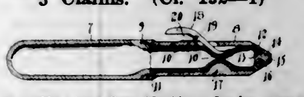
6. A process for the production of lubricating oil from oil containing asphalt which comprises treating said oil with petroleum naphtha to precipitate a portion of the asphalt from the oil, removing the precipitated asphalt from the oil and remaining asphalt dissolved in petroleum naphtha, extracting the oil and remaining asphalt dissolved in petroleum naphtha with a selective solvent for the asphalt and the fractions present in said oil which have a high temperature viscosity susceptibility and thereby separating said oil into two fractions, one of which contains oil exhibiting a relatively low temperature viscosity susceptibility and another of which contains oil exhibiting a relatively high temperature viscosity susceptibility and the remaining asphalt and separating said fractions.

2,101,309
CAN END CURLING RING
Wilford E. Burns, Burlingame, Calif., assignor to M. J. B. Co.
Application January 22, 1935, Serial No. 2,846
5 Claims. (Cl. 153—59)



1. In a can end curler of the character described, the combination with a revolubly driven curling wheel, of a curling die spaced from the wheel to receive the can ends between them for curling; said die comprising a plurality of arcuate segments in end to end relationship and a spline applied to said die lengthwise of the segments and operable to hold them in alinement.

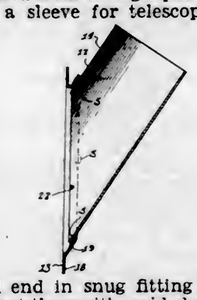
2,101,310
APPLICATOR FOR TINTING HAIR
Thomas F. Callaghan, Toronto, Ontario, Canada
Application June 12, 1937, Serial No. 147,845
5 Claims. (Cl. 132—1)



1. An applicator for tinting hair, composed of a rigid member in the form of a thick pencil, said member consisting of two parts having a screw connection, one of the parts being chambered to constitute a reservoir and the other part having a central opening, and a sponge rubber tip of a frustum shape converging to a rectangular point, said tip having a rear shank portion mounted in said hole to which tinting fluid is supplied by the reservoir.

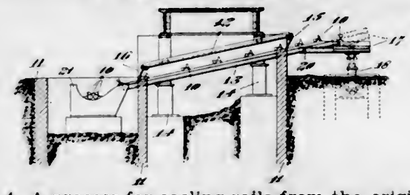
2,101,311
FLANGED TUBULAR ARTICLE AND METHOD OF MAKING SAME
Charles R. Duncan, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application May 3, 1935, Serial No. 19,550
1 Claim. (Cl. 138—47)

A filling spout for a gasoline tank, said spout comprising a smooth walled cylinder formed from a single piece of sheet metal having welded interlocking edges and having a beveled end, and a flange formed from a single piece of sheet metal and having a sleeve for telescopically receiving



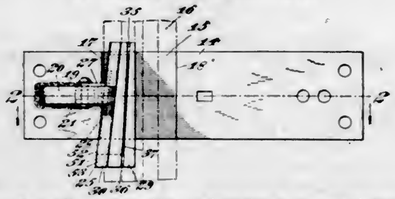
said beveled end in snug fitting full cylindrical surface contact therewith, said sleeve and beveled end being welded together throughout said surface contact area.

2,101,312
PROCESS FOR COOLING RAILS
Reginald B. Gerhardt, Steelton, Pa., assignor to Beth-Mary Steel Corporation, a corporation of Maryland
Application December 5, 1931, Serial No. 579,316
6 Claims. (Cl. 148—21)



4. A process for cooling rails from the original mill heat comprising the steps of cooling the rails from a temperature above the critical range at a rate at least as rapid as that which normally occurs on the hot bed until the temperature of the rails is substantially below 500° C., and after such cooling but before the major mass of the head metal has cooled below 300° C. from the original mill heat enclosing the rails and cooling slowly through a temperature range which includes an extended range below 300° C. to prevent the development of those stresses and strains which tend to produce fissures in the heads of the rails.

2,101,313
RAIL BRACE
Raymond L. Gillispie, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application April 24, 1935, Serial No. 17,998
14 Claims. (Cl. 238—336)



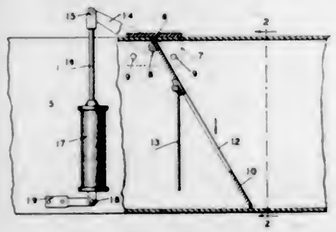
1. A rail supporting structure comprising a plate for supporting a rail, a bracing member located upon said plate, a shoulder on said plate

and a resilient wedge shaped member having a slot intermediate its ends adjustably mounted intermediate the bracing member and the rail to force the rail against said shoulder during assembly and to resiliently brace said rail in service and means closing the slot at each end of the wedge.

2,101,314
PRODUCTION OF UNSATURATED HYDROCARBONS
Adolf Grün, Basel, Switzerland, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1935, Serial No. 11,072. In Germany March 17, 1934
3 Claims. (Cl. 260—170)

1. The process of splitting secondary amines containing at least one alkyl radical of more than 8 carbon atoms between the nitrogen atom and the carbon atom of said alkyl radical comprising heating such substituted amine together with a metal chloride capable of reacting with substituted amines forming salts to a temperature of about 200 to 280° C. at which the splitting occurs.

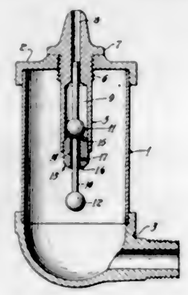
2,101,315
AUTOMATIC CHECK DAMPER
William Kemp, St. Louis, Mo.
Application August 27, 1934, Serial No. 741,632
1 Claim. (Cl. 277—45)



In a device of the class described, the combination with a substantially horizontal wind box, of a rock shaft located adjacent the upper wall of the box, a main damper carried by said shaft and extending in an inclined plane toward the lower wall of the box, said main damper being provided with an air opening, an auxiliary damper pivoted to the main damper adjacent the upper edge of said opening to normally depend in position to uncover said opening but to close said opening when moved into parallelism with the main damper by forced draft, and a dash pot connected with the main damper to retard the movement thereof.

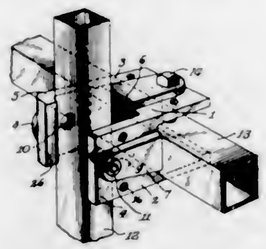
2,101,316
VALVE
Albert E. Kettnich, Chicago, Ill.
Application March 2, 1936, Serial No. 66,529
2 Claims. (Cl. 137—122)

2. A radiator valve, including a hollow body portion defining a chamber, a cap closing the same, a vertical sleeve projecting through said cap and in threaded engagement therewith, said sleeve projecting into said chamber and communicating with the atmosphere, a plug closing the lower sleeve end and provided with a vertical bore, said plug having a seat on the lower and upper ends about said bore, a pair of connected valves movable to coact with said seats, and a vent in said plug between said seats providing communica-



tion between the chamber and the atmosphere when the lower valve seat is closed.

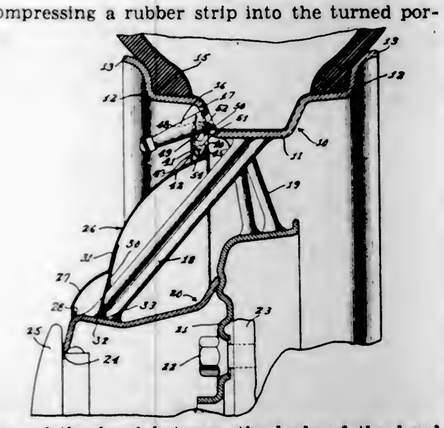
2,101,317
CLAMPING DEVICE
Felix Joseph Lemieux, Chicago, Ill., assignor of twenty-five per cent to John J. McLaughlin, twelve and one-half per cent to Emma Lemieux and twelve and one-half per cent to Mary Tonjum, all of Chicago, Ill.
Application August 12, 1935, Serial No. 35,777
16 Claims. (Cl. 189—36)



1. A clamp comprising a pair of clamping members of like construction disposed back to back and held together by means of a connecting member, each of said clamping members comprising a pair of spaced jaws connected by a wall, the jaws being at substantially right angles to said wall and forming a substantially rectangular space therewith, one of said jaws being provided with an overhanging lip, and each of said jaws being provided with a threaded bore and being adapted to receive a threaded clamping screw.

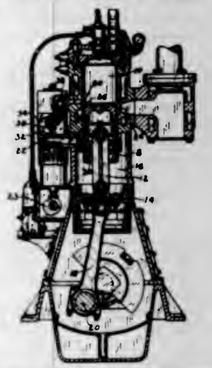
2,101,318
ORNAMENTAL BEAD AND METHOD OF APPLYING THE SAME TO ORNAMENTAL WHEEL DISKS
George Albert Lyon, Allenhurst, N. J.
Application December 22, 1934, Serial No. 758,809
8 Claims. (Cl. 41—10)

1. The method of applying an ornamental bead to a wheel disk which consists in providing the outer portion of the disk with a groove, inserting the edge of a turned portion of a bead having a body of curved cross-sectional shape into said groove, seaming the outer edge of the disk, and compressing a rubber strip into the turned por-



tion of the bead between the body of the bead and said seam.

2,101,319
INTERNAL COMBUSTION ENGINE
Robert C. Moffitt, Seattle, Wash.
Application March 25, 1935, Serial No. 12,988
5 Claims. (Cl. 123—71)



1. The combination in an internal combustion engine of a combustion cylinder having an air intake port and exhaust port, a co-axial scavenging cylinder having an air outlet port, an exterior casing forming an air-receiving space open to said outlet port and a cam-actuated valve controlling admission of air to said space, said casing having a compressed-air reservoir and a fluid pressure valve controlling communication between said space and reservoir, and a cam-actuated inlet valve controlling communication between the compressed air chamber and the intake port.

2,101,320
LUBRICATING DEVICE FOR SEWING MACHINE LOOP-TAKERS
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 28, 1936, Serial No. 117,712
3 Claims. (Cl. 112—256)

1. A rotary loop-taker for sewing machines, comprising a cup-shaped body provided with a thread-loop seizing beak and with an annular thread-case raceway, a thread-case having a cylindrical side wall provided with a circumferential bearing-rib journaled in said raceway, a pad-holding strap upon the outer face and lengthwise extending circumferentially of said

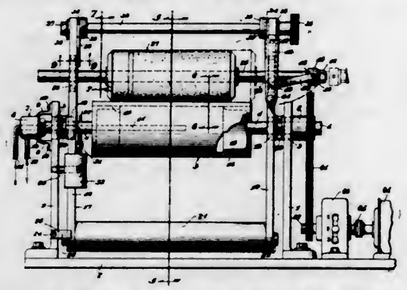


cylindrical wall of the thread-case, said strap having opposed side edges spaced from said cylindrical wall, and a lubricant-absorbent pad secured against the outer face of said cylindrical wall by said strap.

2,101,321
HYDROXY COMPOUNDS OF THE DIBENZANTHRONE SERIES
Heinrich Neresheimer, Anton Vilsmeier, and Robert Held, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 8, 1936, Serial No. 89,652. In Germany July 10, 1935
4 Claims. (Cl. 260—61)

1. The hydroxy compounds of the dibenzanthrone series selected from the class consisting of unsubstituted Bz2,Bz2',Bz3-trihydroxydibenzanthrone, the unsubstituted Bz2,Bz2',Bz3,Bz3'-tetrahydroxydibenzanthrone, the Bz3-hydroxydibenzanthrone-Bz2,Bz2'-quinone, the Bz3,Bz3'-dihydroxydibenzanthrone-Bz2,Bz2'-quinone, and the halogenated derivatives of these compounds.

2,101,322
METHOD AND APPARATUS FOR MEASURING PROPERTIES OF INKS AND THE LIKE
Robert F. Reed, Cincinnati, Ohio, assignor to The Lithographic Technical Foundation, Inc., New York, N. Y., a corporation of Delaware
Application December 24, 1934, Serial No. 758,998
9 Claims. (Cl. 265—11)



1. In a device of the class described, a base and a pair of standards mounted thereon, a roller rotating substantially frictionlessly within said standards, means for controlling the temperature of said roller, a cradle mounted to rotate substantially frictionlessly about the axis of said first roller, said cradle comprising, a second roller normally in resting tangential contact with said first roller, cradle side members carrying said second roller, counterweights carried by the side members of said cradle, means for axially moving said second roller, means for disrupting the contact of the rollers, and a graduated beam and adjustable weight adapted to accurately dynamically balance the cradle.

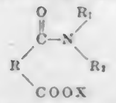
2,101,323

MONOAMIDES OF DICARBOXYLIC ACIDS AND PROCESS OF PREPARING THE SAME

Paul L. Salzberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 5, 1936, Serial No. 83,811
9 Claims. (Cl. 260—108)

1. Compounds having the general formula



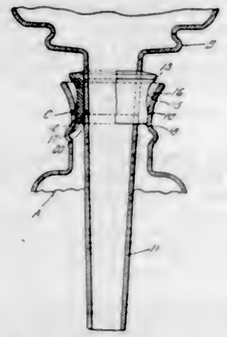
wherein X is a member of the group consisting of hydrogen, alkali metals and alkaline earth metals, R represents the residue of a dicarboxylic acid, R_1 is an aliphatic hydrocarbon radical containing at least eight carbon atoms, and R_2 is a member of the class consisting of hydrogen and alkyl radicals.

2,101,324

SEAL FOR PERCOLATORS

Alonzo A. Warner, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut

Application February 8, 1936, Serial No. 62,914
5 Claims. (Cl. 53—3)



4. In a coffee maker, the combination with a lower vessel having an upstanding bell-mouthed neck and an upper vessel having a depending tube extending through said neck and into said lower vessel, of a fluid sealing member comprising a resiliently deformable tubular body embracing a portion of the depending tube and having a convexly curved outer face seated in said bell-mouthed neck, a flange at the top of said member and an annular lip integrally formed with and radially protruding from the lower end thereof, said lip having a longitudinally curved annular peripheral contour the outer face of which merges into said convexly curved outer face and a conical inner face which normally tapers outwardly from that portion of the tube which it surrounds.

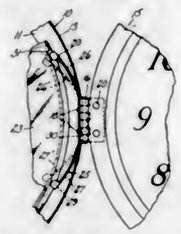
2,101,325

CLOCK DOOR

Othneil G. Williams, Winsted, Conn., assignor to William L. Gilbert Clock Corporation, Winsted, Conn., a corporation of Connecticut

Application October 2, 1935, Serial No. 43,241
4 Claims. (Cl. 58—53)

2. A clock door comprising a rim having a substantially cylindrical flange, means to demountably secure said rim in peripheral engagement with the clock face, a member secured intermediate of its ends against the inner face of said flange, said member being provided with outwardly extending resilient arms having socket portions at their ends which are arranged to peripherally engage and resiliently support a lens, a handle on the opposite side of the rim from said member, and an inwardly projecting portion on the handle protruding within the flange and arranged to receive an edge of the lens therebeneath to cooperate with the resilient arms in demountably supporting the lens.



2,101,326

STORAGE BATTERY SEPARATOR CONTAINING A COMPOUND OF MERCURY

Joseph Lester Woodbridge, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application January 17, 1934, Serial No. 706,970
2 Claims. (Cl. 136—146)

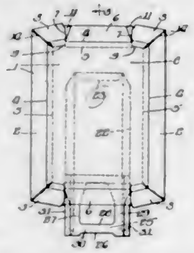
1. A separator for a lead-acid storage battery comprising a diaphragm of porous material impregnated with mercurous nitrate.

2,101,327

FOLDING FRAMED DISPLAY

Henry Ziemmerman, Chicago, Ill., assignor to Chicago Cardboard Company, Chicago, Ill., a corporation of Illinois

Application April 30, 1934, Serial No. 723,096
9 Claims. (Cl. 40—154)



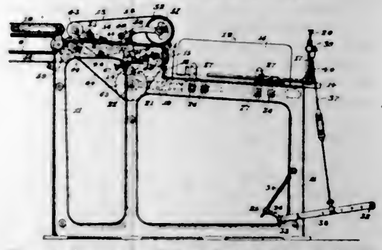
1. A framed picture display comprising a single sheet of material with its marginal edges cut, scored, and foldable to form an outwardly extending angularly offset marginal frame, the corners being intact and the marginal cuts being at a distance from the corners, and the adjacent sides of the cuts having disengageable interlocking hooked portions at their outer edges at an angle to each other for releasably drawing up the frame portions at the sides and between adjacent corners and holding the frame in forwardly extending position.

2,101,328

SHEET PILING MECHANISM

Albert Broadmeyer, Harrisburg, Pa., assignor to W. O. Hickok Manufacturing Company, Harrisburg, Pa., a corporation of Pennsylvania

Application January 11, 1934, Serial No. 706,286
5 Claims. (Cl. 271—68)



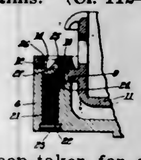
1. In mechanism of the character set forth, the combination with a layboy, of a conveyor for projecting sheets to the layboy, said conveyor including upper and lower sets of tapes between which the sheets pass, the tapes of each set being substantially parallel to each other and to the path of the sheets, and corrugating members at the discharge end of the conveyor and about which the tapes pass, said members acting to corrugate the sheets as they are discharged by the conveyor and stiffen them as they are projected from the conveyor to the layboy.

2,101,329

LUBRICATING MEANS FOR SEWING MACHINE LOOP TAKERS

George M. Eames, Bridgeport, and Robert W. Stewart, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 3, 1936, Serial No. 108,938
7 Claims. (Cl. 112—256)



1. A rotary loop-taker for sewing machines, comprising a cup-shaped body having its side wall provided with an annular thread-case raceway and with a lubricant-supply pocket disposed radially outwardly of said raceway, said side wall being apertured to provide a duct extending outwardly from said raceway and opening into the inner side of said pocket at the leading end thereof, and a gib detachably secured upon said body and defining a segmental portion of said raceway, said gib being provided with a filling aperture communicating with the inner end of said duct.

2,101,330

FOUNDRY CORE AND DRY BINDER FOR THE PREPARATION THEREOF

William W. De Laney, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 26, 1936, Serial No. 102,729
4 Claims. (Cl. 22—188)

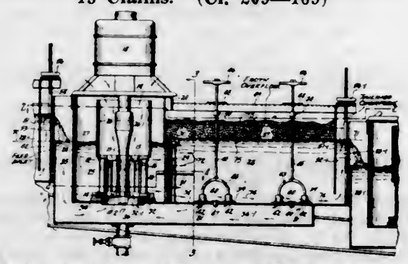
1. A foundry core including core sand and a gasoline-insoluble, pine wood resin produced by extracting resinous wood with a coal tar hydrocarbon, removing said hydrocarbon by evaporation, leaving a residue comprising wood rosin and a gasoline-insoluble resin, and extracting wood rosin from said residue by a petroleum hydrocarbon.

2,101,331

AERATING MACHINE

William Fagergren, Salt Lake City, Utah

Application January 4, 1932, Serial No. 584,673
Renewed February 3, 1937
15 Claims. (Cl. 209—169)



4. An aeration machine including in combination a structure confining a body of liquid having substantial depth and relatively great length, the dimensional extent of said structure being without abrupt volumetric variation, and means at one end of said structure effective to project aerated liquid horizontally into said body of liquid below the surface thereof throughout an area of projection substantially equal to the mean transverse sectional area of said body of liquid, the length of said body being sufficient to allow complete travel of said projected liquid there across until its velocity is effectively damped thereby, whereby a substantially horizontal flow of aerated liquid is caused through the entire volume of said body of liquid.

2,101,332

PROCESS OF PRODUCING SYNTHETIC RESINS

Walter Frankenburger, Herbert Hammerschmid, and Georg Roessler, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 30, 1937, Serial No. 123,293. In Germany February 5, 1936
4 Claims. (Cl. 260—130)

1. A process of producing synthetic resins which comprises condensing aliphatic aldehydes containing from 2 to 4 carbon atoms by means of a substance of the group of primary and secondary alkyl- and aralkylamines, secondary heterocyclic bases and their salts with weak acids and treating the resulting resinous products with formic acid while boiling.

2,101,333

PROCESS OF PRODUCING SYNTHETIC RESINS

Walter Frankenburger, Herbert Hammerschmid, and Georg Roessler, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application January 30, 1937, Serial No. 123,292. In Germany February 5, 1936
6 Claims. (Cl. 260—130)

1. A process of producing synthetic resins which comprises condensing aliphatic aldehydes

containing from 2 to 4 carbon atoms by means of a substance of the group of primary and secondary alkyl- and aralkylamines, secondary heterocyclic bases and their salts with weak acids, distilling off the readily volatile oils formed and treating the resulting resinous products with inorganic condensing halides at temperatures of between 80° and 250° C.

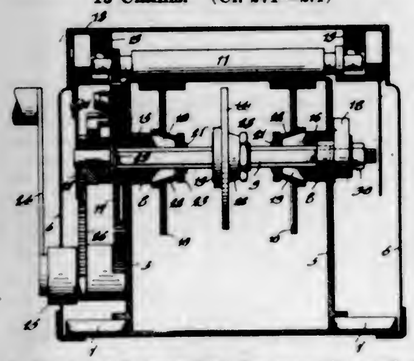
5. A process of producing synthetic resins which comprises condensing aliphatic aldehydes containing from 2 to 4 carbon atoms by means of a substance of the group of primary and secondary alkyl- and aralkylamines, secondary heterocyclic bases and their salts with weak acids, distilling off the readily volatile oils formed and treating the resulting resinous products with boron fluoride at temperatures of between 80° and 250° C.

2,101,334

STRIP FEEDING MECHANISM FOR WRITING MACHINES

Walter Elmer Gochnauer, Dover, N. H., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware

Application August 1, 1935, Serial No. 34,242
13 Claims. (Cl. 271—2.4)



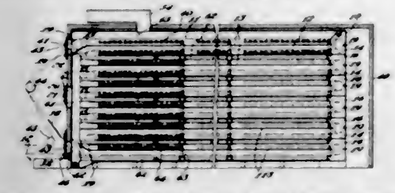
1. In a feed assembly for machines of the character described, in combination, a rotatably supported feed shaft, a plurality of feed disks mounted on said shaft in spaced relation and adjustable along the shaft, and a gripping device including a contractible hub for holding each of said disks in its operative adjusted position on the shaft.

2,101,335

ART OF DRYING MATERIALS

Chester S. Jennings, Syracuse, N. Y., and Frank W. Gerard, Dayton, Ohio, assignors to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application September 17, 1934, Serial No. 744,332
1 Claim. (Cl. 34—24)



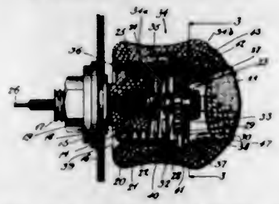
The steps in the drying of material which is conveyed into a housing having a plurality of connected compartments therein, through said compartments and out of the housing, which comprise subjecting the material to radiant heat as it passes through the compartments, the heat in the compartment first traversed by the material being greater than that in the compartment last traversed, setting up an air stream in the housing which flows through the compartments thereof in contact with the material and in the direction opposite to that in which the material travels, supplying conditioned air to the housing to constitute the initial portion of the air stream and supplying additional air to the housing at an intermediate compartment, which mingles with the conditioned air to constitute the final portion of the air stream, said additional air increasing the effectiveness of the air stream which at that point had been reduced below the effectiveness of the conditioned air as it was supplied to the housing due to the moisture absorbed by the air stream in drying the material with which it had been in contact in the compartments it had flowed through before reaching the compartment at which the additional air was supplied, whereby drying of the material is performed by the air stream in two stages, first by the mingled air which constitutes the final portion of the air stream and second by the conditioned air which constitutes the initial portion of the air stream.

2,101,336

CIGAR-LIGHTER

Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application January 9, 1929, Serial No. 331,163
Renewed May 5, 1937
5 Claims. (Cl. 219—32)



1. A cigar-lighter heating element comprising a coil of high resistance wire adapted to be brought to incandescence when connected to a suitable source of current, and a metal disk on which said coil is supported, and a spider attached to said disk, said spider and disk having a sight-opening therein so that the degree of incandescence of the coil may be ascertained whether the disk is viewed from the obverse side on which the coil is supported or from the reverse side.

2,101,337

LOCKABLE HASP FASTENER

Albert J. Komenak, Stamford, Conn., assignor to The Excelsior Hardware Company, Stamford, Conn., a corporation of Connecticut

Application December 19, 1934, Serial No. 758,179
3 Claims. (Cl. 70—9)

1. Fastener devices for a hinged trunk lid having a front wall adapted to swing downwardly and edgewise into closed relation to the under body of the trunk, comprising a hasp pivotally mounted on the lid wall and disposed in a substantial portion of its length to overlie the same and in the remainder of its length to overlap the trunk body, keeper means rigidly positioned on the trunk body proximate the closed edge of the lid wall, a lock carried by the hasp in the portion thereof which overlies the lid wall including a bolt projecting downwardly toward said trunk body to engage with the keeper means, and a toggle tongue carried by the hasp in the portion thereof which overlaps the trunk body and projecting upwardly toward the trunk lid to engage with the keeper means.

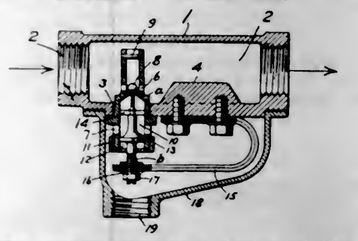


2,101,338

TEMPERATURE RELIEF VALVE DEVICE

Luther D. Lovekin, Villa Nova, Pa., assignor to Kitson Company, Philadelphia, Pa., a corporation of West Virginia

Application January 4, 1935, Serial No. 331
3 Claims. (Cl. 251—128)



3. The combination in a device of the type specified, of waste and fluid ways having a common wall, a tubular fitting extending through the wall and having peripheral inlet openings and a ball valve seat and a ball cage in the fluid way and having peripheral discharge openings and a plunger chamber in the waste way, a ball arranged in the cage for freedom of movement and adapted to be normally seated by fluid pressure, and a plunger arranged in the chamber and provided with a spider guide and with a head cooperating with said discharge openings to form a dashpot, said plunger being arranged to operate directly on the ball, there being a provision for lost motion between the ball and plunger.

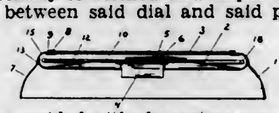
2,101,339

LUMINOUS CLOCK

Frank Edward Montroy, Los Angeles, Calif.

Application May 4, 1936, Serial No. 77,677
3 Claims. (Cl. 240—2.1)

1. In an illuminated clock, a dial, a transparent plate positioned in front of and a short distance from said dial, hands between said dial and said plate, and a luminous tube around the edge of the assembly so formed and disposed to radiate light between said dial and said plate, said dial being provided with characters annularly disposed therearound, the annular portion thereof including said characters being beveled away from said plate from the central region of said dial toward said tube.

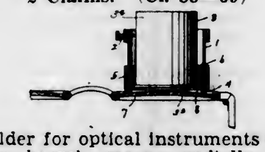


2,101,340

HOLDER FOR OPTICAL INSTRUMENTS

Adolphus W. Owens, Houston, Tex.

Application August 6, 1935, Serial No. 34,889
2 Claims. (Cl. 88—39)



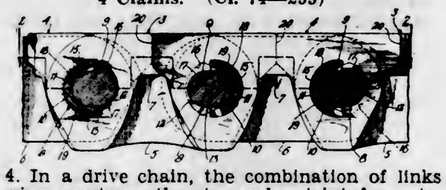
1. A holder for optical instruments comprising a tubular barrel, means radially adjustable through the wall of the barrel for engaging and holding an optical instrument, cushioning material fitted over and embracing one end of the barrel, outer and inner clamp rings clamping said cushioning material in place, the inner clamp ring having an inwardly extending annular ledge forming a stop upon which the optical instrument may rest.

2,101,341

DRIVE CHAIN

David Barnes Perry, Ithaca, N. Y., assignor to Morse Chain Company, Ithaca, N. Y., a corporation of New York

Application October 25, 1935, Serial No. 46,669
4 Claims. (Cl. 74—255)



4. In a drive chain, the combination of links having apertures therein, and a joint for pairs of said links comprising a pin which in cross-section has semi-circular end portions of the same radius connected by a flat portion the flat surfaces of which merge tangentially with the curved surfaces of said semi-circular end portions, said flat surfaces constituting keying surfaces for keying the pin in one link to rotate therewith, and the connected link having a concave bearing surface corresponding in radius to the radius of the semi-circular portions of the pin, and said pin being disposed in the links with its major axis cross-sectionally considered extending in the direction of the major axes of the links.

2,101,342

DUPLEX ENVELOPE

Charles F. Pflanze, University City, Mo.

Application March 9, 1936, Serial No. 67,844
1 Claim. (Cl. 229—72)

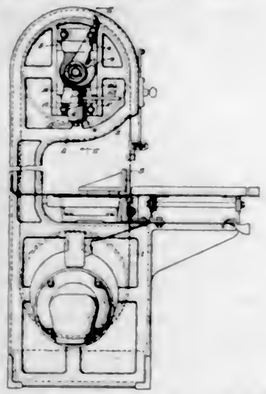
A duplex envelope comprising a relatively large rectangular compartment for printed matter re-

quiring less than first-class postage, provided with a closure flap and a window on the same side as said closure flap, and a relatively small, rectangular letter compartment also provided with a closure flap, said latter closure flap being secured on the inside of the closure flap of said large compartment prior to closure of said large compartment, said small letter compartment having a window in one side thereof opposite



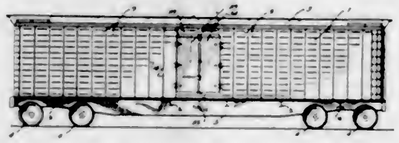
the side to which the said closure flap is secured, said windows in both the large and small compartments registering with each other so that one address applied to the small compartment is sufficient for both kinds of mail matter, means for accessibly closing the large compartment, means for holding said small compartment against the inner front wall of the large compartment, substantially as described.

2,101,343
TENSIONING APPARATUS FOR MEAT AND BONE CUTTING MACHINES
Fortunat Ponton, Chicago, Ill., assignor to Vaughan Company, Chicago, Ill., a corporation of Illinois
Application April 20, 1936, Serial No. 75,335
3 Claims. (Cl. 143—27)



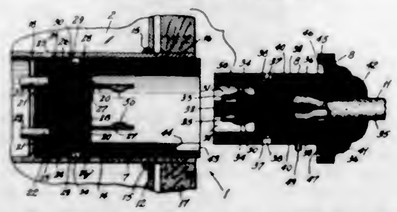
1. In combination with a pair of band saw wheels and a rotatable cam operatively connected with one of said wheels whereby rotation of the cam in one direction moves that wheel away from the other, a reciprocable abutment member against which the cam slides during its rotation, a spring supporting said member yieldably thrusting said member against said cam, a rotatable and reciprocable cage for retaining said abutment member against sideways movement and retaining one end of said spring, and means cooperating with said cage in different angular positions thereof for retaining said cage selectively in a plurality of positions at different distances longitudinally along the center to center line of said wheels.

2,101,344
CARRIER VEHICLE STRUCTURE
Damian L. Reynolds, Burlingame, Calif.
Application February 11, 1935, Serial No. 6,049
7 Claims. (Cl. 105—409)



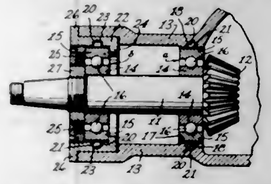
1. In a super-structure, including a roof structure, for a cargo car having an underframe, an exterior wall formed of a plurality of sheet metal sections with channel shaped sides and a vertical front surface with deformed portions to provide stiffness, means for connecting the adjoining sides of adjacent sections, a metallic sealing member between said sides adapted to be deformed to close the joint of the sides after assembly, the connected sides forming posts, said posts terminating on top of the under frame, brackets connecting the posts and the underframe, the front surface of the section extending below the top of the underframe and being secured to said underframe, and a continuous top member secured to the tops of said sections and adapted to support the roof structure.

2,101,345
ELECTRIC CONNECTER PLUG
Lee Hunter Riley, University City, Mo.
Application March 20, 1936, Serial No. 69,811
1 Claim. (Cl. 173—328)



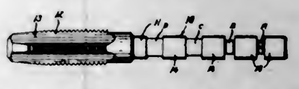
An electrical connecter plug comprising a tubular socket member having an end wall, resilient electrical contact members projecting from said end wall into the socket of said member, and a plug member fitting in said socket, said plug member having recesses in its end and electrical contact members in said recesses for external engagement with the respective contact members of the socket members, said contact members all having curved contact bosses, said socket member having a longitudinal slot at its outer end and an angular slot communicating with said longitudinal slot and said plug having a pin for cooperation with said slots and having an annular peripheral rib forming a channel between itself and the body of the plug and springs in said channel bearing against the end of the socket member for resisting separation of the parts.

2,101,346
BALL BEARING MOUNTING
Benjamin C. Robertson, Los Angeles, Calif.
Application October 15, 1935, Serial No. 45,089
3 Claims. (Cl. 308—184)



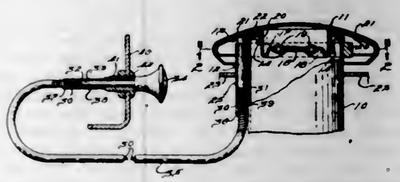
1. In combination with an anti-friction bearing having an inner and outer race; a bearing mounting having a bearing receiving opening with an annular groove therein, and an annular coil spring in said groove having a bearing contacting surface inwardly of the mounting, said spring in cross section being formed with a substantially flat portion forming the bearing contacting portion.

2,101,347
TAP
Willard C. Robinette, Pasadena, Calif.
Application June 24, 1936, Serial No. 86,968
3 Claims. (Cl. 10—141)



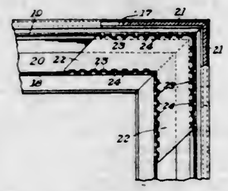
2. In a tap, a shank and a fluted threaded head portion, said shank including weakened portions, said shank including polygonal portions adjacent to the weakened portions, said weakened portions being of progressively increasing strength towards the head.

2,101,348
RADIATOR OR GAS TANK CAP LOCK
Theodor Schellinger, Detroit, Mich., assignor to C. H. Oshel, Detroit, Mich.
Application May 20, 1935, Serial No. 22,323
2 Claims. (Cl. 220—55)



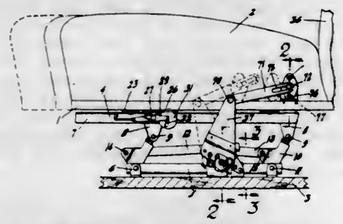
1. The combination with a container spout and a cap securable over the end thereof, said cap having a skirt portion which projects outwardly from and in spaced relation to said spout with a marginal skirt portion lying closely adjacent said spout, of a locking keeper positioned within said cap, a retractable bolt associated with said keeper, and means for slidably supporting said bolt on said spout for movement into and out of the path of said keeper, comprising a member disposed to surround said spout and positioned within said skirt portion, and a connection between said member and said spout.

2,101,349
JOINING LENGTHS OF METAL
Henry J. Sharp, Emsworth, Pa., assignor to Commonwealth Trust Company, trustee, Pittsburgh, Pa.
Application April 7, 1934, Serial No. 719,475
14 Claims. (Cl. 189—36)



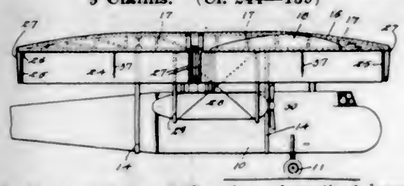
1. A framing construction comprising framing strips having mitred ends which abut, each strip having a border portion and a side portion, each of said portions having a longitudinally extending channel therein, a connector comprising a rigid angle member in each of said channels having the legs thereof received in the channels of the abutting strips, at least one side of one of the channels and one edge of one of the connectors having interlocking portions.

2,101,350
SEAT ADJUSTER
Emory Glenn Simpson and Andrew Christian Andersen, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 28, 1936, Serial No. 82,286
15 Claims. (Cl. 155—88)



10. In an automotive vehicle body, a seat, an extensible support for the seat comprising a pair of rails spaced laterally of the seat bottom and extending fore and aft of the seat, a pair of parallel levers for each rail spaced lengthwise of the rail and each of which is pivotally connected at one end to the rail and at the other end to the floor of the vehicle body, operative connections between the seat and the said support rails for reciprocably mounting the seat on the extensible support, a rotatable shaft extending laterally of the seat between the seat and the floor, a gear fixed on the shaft, a rack bar meshed with the said gear and pivotally connected with one or more of the said parallel support levers, a lever freely rotatably mounted upon the said shaft, a pawl and ratchet clutch mounted between the said lever and shaft for interconnecting the shaft and the said lever, and a link having operative connections with the seat and with the said lever, one of said operative connections having a lost motion connection whereby reciprocatory motion of the said seat is transmitted by the said link to the said lever to raise or lower the said seat.

2,101,351
AEROPLANE
Roy R. Slayback, Decatur, Ill.
Application August 6, 1936, Serial No. 94,713
9 Claims. (Cl. 244—139)



1. An aeroplane of the class described having a fuselage, a main supporting plane therefor, normally retracted means on the main plane operable to convert the same into a parachute, means to propel the aeroplane, and means operable to control the position of the first mentioned means through the operation of the second mentioned means.

2,101,352
DEHYDRATOR
Frank Y. Takenaga, Anaheim, Calif.
Refiled for abandoned application Serial No. 695,877, October 30, 1933. This application April 16, 1935, Serial No. 16,704
5 Claims. (Cl. 34—19)



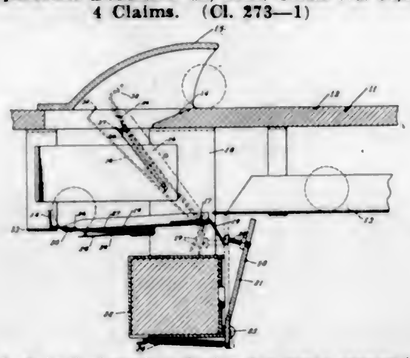
1. In a dehydrator, independent dehydrating chambers having open ends, and heated air intake and discharge openings with the latter located at the lower side of said chambers adjacent said ends, doors at said ends being inclined and disposed to deflect the air streams entering and discharging from said chambers, an air heater, and means for circulating hot air streams through said chambers either through one chamber back to the heater and from thence through the other chamber or through the last named chamber only.

2,101,353
CONVEYER MECHANISM
Gerrit Waalkes, Highland Park, Mich., assignor to Anchor Steel and Conveyor Company, a corporation of Michigan
Application March 25, 1936, Serial No. 70,755
1 Claim. (Cl. 104—172)



In a conveying mechanism, a conveyer chain having alternate inner links connected to outer links pivotally connected to the outer sides of the inner links at their ends, said inner links being similar in shape to each other, said outer links being similar in shape to each other, and a driving dog mounted between the sides of the outer links, said outer links having openings therethrough substantially at their centers intermediate the points of connection of said outer links with said alternate inner links, said dog having a pivot portion extending transversely of the conveyer chain and being of a width slightly less than the distance between the inner sides of the outer links and having pivot pins extending through said center openings of said outer links.

2,101,354
GAME APPARATUS
Harry E. Williams, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application December 13, 1935, Serial No. 54,201
4 Claims. (Cl. 273—1)



2. A ball elevating device for game apparatus and the like, said device comprising a pivotally mounted elevating arm having a lever arm extended at an angle thereto adjacent the pivotal mounting aforesaid, and means for pivoting said arm including an electro-magnet having a pivotally movable armature adapted to contact said lever arm at decreasing radial distances from the said pivotal mounting of said carrier arm when the armature is attracted by said electromagnet whereby the pivoting force applied to said lever arm by said electro-magnet will be decreased as said carrier arm is moved in elevation operation.

2,101,355
TAPE CARTON
Charles E. Wonder, Chicago, Ill., assignor to Van Cleef Bros., Chicago, Ill., a partnership composed of Noah Van Cleef, Maxime Van Cleef, Felix Van Cleef, and Paul Van Cleef
Application September 8, 1936, Serial No. 99,703
2 Claims. (Cl. 206—52)

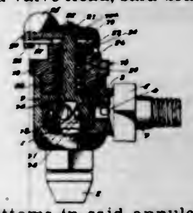


1. A carton for retaining and holding a roll of tape or like article, comprising a side having a central opening therein, a second side positioned opposite and in spaced relation to the first mentioned side, end walls extending between the end margins of the sides, a top and bottom extending respectively between the top and bottom margins of the sides and forming with the sides and the end walls a compartment for the roll, an annular series of tongues connected to and extending inwardly from the opening defining margin of said first mentioned side and serving to form a centering band within the core of the roll, a removable ring extending through said opening and within the tongues and arranged to hold the tongues in their band forming position, and a flap hinged to the top and adapted to be swung into a position wherein it overlies said first mentioned side and operates to hold the ring against axial displacement.

2,101,356
ORIFICE DIAL VALVE
William Zak, San Francisco, Calif.
Application April 19, 1937, Serial No. 137,802
5 Claims. (Cl. 251—92)

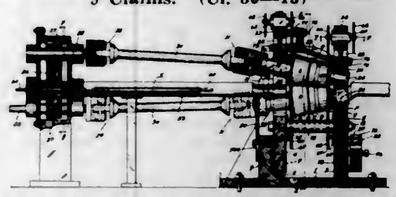
1. In an orifice dial valve, the combination of

a casing, a single-piece valve plug in said casing, said valve plug provided with an integral hollow head, said head provided in its bottom with an integral annular inwardly-extending flange, said valve head provided on its inner face with integral side braces extending inwardly from the inner wall of said valve head, said braces terminat-



ing at their bottoms in said annular flange, said hollow head provided with apertures and communicating slots in its sides, said apertures and slots being equal in number, said slots extending below said annular flange and to the bottom face of said hollow head, and means connected to said valve plug for manually operating same.

2,101,357
CROSS-ROLL MILL
Walter J. Assel, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application May 28, 1934, Serial No. 727,934
9 Claims. (Cl. 80—13)



1. A tube rolling mill comprising a frame, a housing for the working rolls mounted on said frame and comprising end members, which are substantially parallel and relatively angularly adjustable, cradle members having universal connections with said end members and constituting seats for the working rolls, working rolls with their necks in said seats and arranged with their axes askew with relation to the planes of the axis of the mill, said housing also comprising spacing members between said end members and detachable means for securing said members together, one of said end members having an arcuate bottom fitting arcuate seats on said frame, and means for turning said end member on said seat to change the angular relation of said end member with relation to the other end member of the housing.

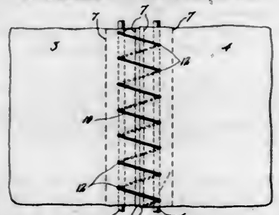
2,101,358
METHOD OF MAKING LOAD SUSTAINING STRUCTURES
Charles S. Boardman, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 28, 1937, Serial No. 145,173
9 Claims. (Cl. 61—50)

1. The method of making a load sustaining structure in earth which comprises sinking a cell from the surface into a substratum, removing earth above the substratum from within the cell, and substantially simultaneously charging divided material into the cell to replace the removed earth, the divided material being of a



character to resist the pressure of the surrounding earth.

2,101,359
CARPETING
Daniel Butler Bonner, Philadelphia, Pa.
Application December 18, 1935, Serial No. 54,967
3 Claims. (Cl. 112—262)



1. A floor covering comprising a plurality of strips of carpet, said strips having pliant wires adjacent their longitudinal edges extending with the warp, and means for securing said strips together comprising stitches embracing the adjacent wires of adjacent strips, said stitches being concealed by the pile of the carpet.

2,101,360
CAR ROOF
Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application June 30, 1937, Serial No. 151,081
10 Claims. (Cl. 108—5.2)

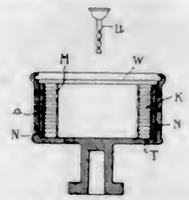


1. In a car roof, a series of plates embodied therein and having portions extending below the underside thereof provided with downwardly opening notches, said plates being provided adjacent to said notches with outstanding flanges, members disposed beneath said roof and extending transversely of said plates through the notches therein, and means for securing said members to said flanges.

2,101,361
PROCESS FOR THE DIRECT PRODUCTION OF ARTIFICIAL SILK IN WOUND FORM SUITABLE FOR THE TEXTILE INDUSTRY
Benno Borzykowski, Paris, France, assignor to Borvisk Syndicate Ltd., London, England
Application March 28, 1929, Serial No. 350,706. Renewed November 1, 1935. In Germany May 11, 1928
4 Claims. (Cl. 18—54)

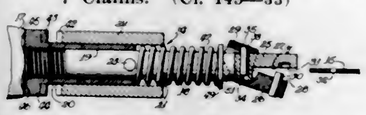
1. In the manufacture of artificial silk and

like formations by the spinning can method, subjecting the cake to fluid treatment in the can



while having its inner layers protected against damage and subsequently drying the cake while having its inner layers similarly protected.

2,101,362
HACKSAW
Jack H. Davidson, Chicago, Ill., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 71,565
7 Claims. (Cl. 145—33)



7. A blade holder for hack saws comprising, a stem having a fixed clamping jaw rigid therewith with a flat clamping face extending longitudinally from an end of said stem, a movable clamping jaw in opposed relation to the fixed jaw, means for pivotally supporting said movable jaw for movement toward and away from said fixed jaw, said movable jaw having a pair of angularly disposed bearing surfaces on the rear end thereof, and means including a helical compression spring surrounding said stem and bearing alternatively against said bearing surfaces for releasably preventing relative movement between said jaws.

2,101,363
SANITARY TOOTH CLEANSER
Lester L. De Rome, Chicago, Ill.
Application July 2, 1936, Serial No. 88,562
2 Claims. (Cl. 15—227)



1. A sanitary tooth cleanser, comprising a single piece of textile fabric having a narrow elongated part, one end of which is a wider part that extends back part way over the narrow part, with its side portions overlapping the narrow part to form a finger cot, and a pile fabric pad lying upon and secured to the side portions of the wide part and the underlying narrow part by one and the same fastening means.

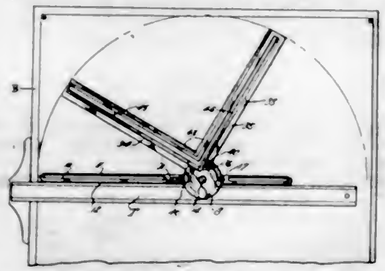
2,101,364
NECK CONSTRUCTION FOR A STRINGED MUSICAL INSTRUMENT
Rudolph Dopyera, Los Angeles, Calif.
Application June 6, 1936, Serial No. 83,882
7 Claims. (Cl. 84—293)

1. In a stringed musical instrument, a body having a top and bottom member and a side wall, a transverse member on said bottom and spaced from said side wall, a second transverse member in said body adjacent the side wall, a neck having a foot piece thereon engaging said second transverse member, said foot piece having a projection thereon, said second member being



slotted and said projection fitting in said slot, said projection having an apertured boss therein, a screw passing through said boss and secured in said first transverse member.

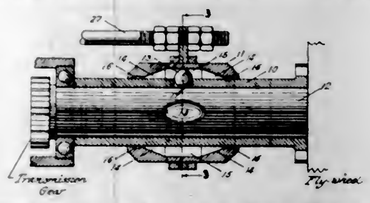
2,101,365
DRAFTING INSTRUMENT
Tony T. Erickson, South Hibbing, Minn.
Application April 5, 1937, Serial No. 134,961
1 Claim. (Cl. 33—93)



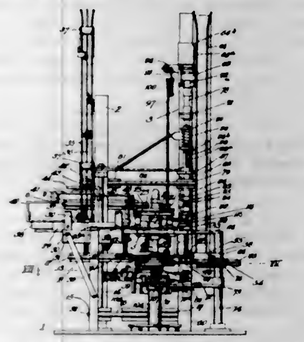
In a device of the kind described, a flat protractor base bar, a protractor disk of substantially greater diameter than the width of the base bar rotatably mounted upon the base bar, the disk being demarked upon its predetermined upper face with a pair of diametrically oppositely positioned quadrants doubly calibrated and with the calibrations reversely numbered from zero to ninety degrees from right to left and from left to right, there being a right angled portion cut out of the disk through its periphery at one side immediately between the pair of quadrants demarked as aforesaid and at one end of the space intervening thereinbetween, the sides of the right angled cut out being extended in spaced and parallel relation to a right angle having its vertex coinciding with the center of the point of rotation of the protractor disk, and a flat, right angled scale and square element mounted at its corner underneath the margins of the right angled cut of the disk and in exact registry therewith and detachably secured thereto by screws passed down through said margins into the element, and means for releasably locking the protractor disk in any set position of rotation.

2,101,366
CLUTCH DEVICE
Nathan Frank, Newark, N. J., assignor to Febod Corporation, Newark, N. J., a corporation of New Jersey
Application February 23, 1935, Serial No. 7,723
2 Claims. (Cl. 192—71)

1. A bilaterally operative automobile clutch device comprising two concentric shafts, a plurality of spherical locking members, a sleeve coupling for effecting alternately a driving and a non-driving connection between said shafts through the intermediary of said locking members, the interior of said sleeve being formed into two conical surfaces the bases of which are separated by a substantially cylindrical shaped section, all of said members being arranged in such cooperative relationship that limited longitudinal movement of said sleeve in either direction effects through the coaction of said conical surfaces with said spherical locking members a driving engagement of said clutch and limited longitudinal movement in the opposite direction effects a disengagement of said clutch and a groove located at the apex of each conical surface adjacent the edges of said sleeve for cooperation with said spherical locking members.



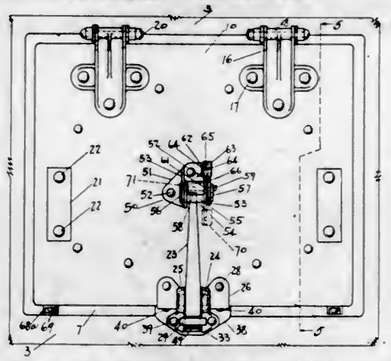
2,101,367
NUT AND BOLT ASSEMBLING MACHINE
Harry H. Gray, Kansas City, Mo.
Application July 27, 1936, Serial No. 92,808
16 Claims. (Cl. 10—155)



1. A method of securing threaded bolts and nut members together when their longitudinal axes may not be in full alinement, which consists in holding one of the members with the axis of its threaded portion in a vertical plane, bringing the threaded portion of the second member into abutment with the corresponding portion of the first member without any telescopic relation between the members and while holding said second member loosely to permit of change of position of its axis without change of position of the holding means, and finally in imparting relative rotation to the members in such direction as to thread the two members together.

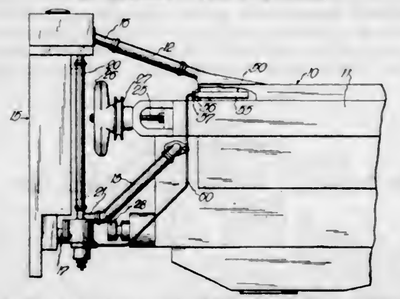
5. A rotary circular table having uniformly spaced peripheral recesses, means for feeding upright bolts laterally to dispose their stems within said recesses successively, means for holding said bolts with their heads spaced above the rotary table for a part of the revolution of the latter and for releasing the bolts to permit them to drop downwardly at a predetermined point, and means to feed nuts successively sidewise to a position where their bores are in line to receive the released bolts to effect engagement between the bolts and nuts.

2,101,368
REFRIGERATOR HATCH ARRANGEMENT
August William Louis Hartbauer, Chicago, Ill.
Application April 6, 1934, Serial No. 719,358
22 Claims. (Cl. 105—377)



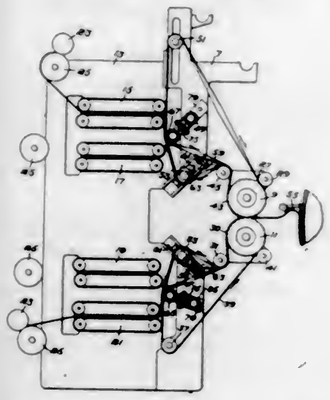
1. In a refrigerator car the combination of a hatch frame, a cover for said frame, a gasket interposed between said cover and said frame, said cover being suspended above said frame and gasket by means of hinges at one side of said cover and opening and closing means at the opposite side of said cover, the said gasket contacting the top surface of the hatch frame, said opening and closing means including a pair of links, said links being operated by a lever, one end of which is secured in a bearing, which bearing is secured to the hatch cover, the other end of the lever being adapted to be locked and unlocked in locking means secured to said cover.

2,101,369
THERMOSTATIC CONTROL FOR INTERNAL COMBUSTION ENGINES
Clarence H. Jorgensen, Elmhurst, Ill., and Peter J. Jorgensen, deceased, late of Elmhurst, Ill., by Clarence H. Jorgensen, administrator, Elmhurst, Ill.
Application October 23, 1933, Serial No. 694,814
47 Claims. (Cl. 123—178)



1. In a system embodying a motor, interconnected fluid flow conduit means having at least a portion extending in thermal relation with said motor, and means normally operative to vary the temperature of at least a portion of the fluid flowing through said conduit means and including shiftable means, the method of controlling the operation of said temperature varying means which comprises shifting said shiftable means in response to simultaneous functions of the temperatures at two spaced apart points in said conduit means.

2,101,370
TAPE CONDENSER
Henry H. Knight, Canton, Mass., assignor, by mesne assignments, to Davis & Furber Machine Company, North Andover, Mass., a corporation of Massachusetts
Application June 1, 1936, Serial No. 82,894
11 Claims. (Cl. 19—151)



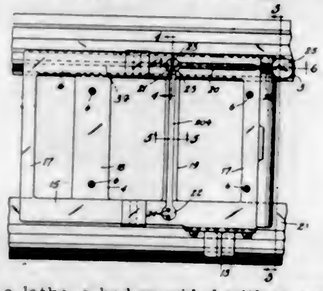
11. A tape condenser comprising a pair of dividing rolls, a first and second pair of condensing aprons, a series of tape runs acting each to carry a separate sliver from the dividing rolls and deliver said sliver to said first pair of aprons, a second series of tape runs, the members of which alternate with the members of said first series, acting each to carry a sliver from said dividing rolls and deliver it to said second pair of aprons, roller guiding means engaging adjacent tape runs of said two series and controlling their position to maintain them either in close lateral proximity or in substantial separation as desired, and means for altering the path of said second series of tape runs to cause them to deliver each its sliver to said first pair of aprons, said means comprising a guide roll engaging said second series of tape runs and movable to retract said tape runs with relation to said second pair of aprons and acting in retracting said tape runs to bind the latter more firmly against said roller guiding means.

2,101,371
OIL RECOVERY
Vicente G. Lava, Manila, P. I.
No Drawing. Application October 15, 1937, Serial No. 169,144
15 Claims. (Cl. 87—6)

1. A process for the recovery of oil from the cocoanut which comprises comminuting cocoanut meat without a substantial rupturing of the cell structure, admixing with water, pressing the admixture of meat and water whereby an oil-in-water emulsion is formed, and subsequently separating oil from the emulsion.

2. A process for the recovery of oil from the cocoanut which comprises comminuting cocoanut meat without a substantial rupturing of the cell structure, admixing with water at a temperature of about 22° to 100° C., pressing the admixture of meat and water at a temperature of about 22° to 60° C., whereby an oil-in-water emulsion is formed, and subsequently separating oil from the emulsion.

2,101,372
LATHE
Max A. Lehmann, Richmond Heights, Mo., assignor to Lehmann Machine Company, St. Louis, Mo., a corporation of Missouri
Application November 20, 1935, Serial No. 50,705
2 Claims. (Cl. 82—31)



1. In a lathe, a bed provided with spaced parallel ways and an open-work supporting frame comprising side frame members slidably supported on the respective ways and connected by cross-frame members, said frame having a lubricant containing groove in its upper surface that extends longitudinally of one of said side frame members and thence along one of said cross-frame members to the other of said side frame members, said groove having enlarged pocket portions located in the respective side frame members opposite the ends of said cross-frame member, said side frame members having discharge passages therein that lead downwardly from the enlarged pocket portions therein to the respective slideways.

2,101,373
PARASITICIDAL SPRAY COMPOUND
Frank F. Lindstaedt, Oakland, Calif.
No Drawing. Application June 13, 1934, Serial No. 730,469
4 Claims. (Cl. 167—27)

1. A horticultural spray compound, comprising a mixture of hydrocarbon oil and tung oil in a proportion effective to retard penetration of the hydrocarbon oil into the pores of plants and the like when the mixture is deposited on the surface thereof.

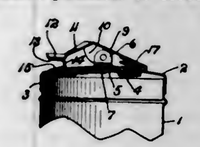
2,101,374
CHOCOLATE MALTED MILK FOOD PRODUCT AND PROCESS OF FORMING SAME
Martha E. Tucker, Grand Rapids, Mich.
No Drawing. Application August 19, 1937, Serial No. 159,963
2 Claims. (Cl. 99—27)

1. A method of making a sterilized chocolate flavored malted milk food product, including mixing cream, milk concentrate, cocoa, malted milk, a stabilizer, and water, proportioning the ingredients so that the ratio of serum solids to butter fat is slightly in excess of one, heating the mixture to a temperature between 190° F. and 200° F. to cause the starches of the cocoa and malted milk to flow, homogenizing the mixture at the starch flowing temperature, and sterilizing the mixture.

2,101,375
POWDER DISPENSER
Anthony Vanderveld, Grand Rapids, Mich.
Application June 29, 1936, Serial No. 87,848
7 Claims. (Cl. 221—61)

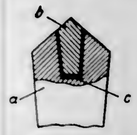
1. In a device of the class described, a container having an outlet opening in a wall thereof,

a closure member movably mounted on the container and having a closure element to close said opening, yielding means acting on the closure member for normally holding said closure element in operative position to close said opening,



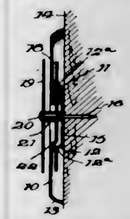
and a scoop connected to the closure element and adapted to pass through said opening in the container, said scoop being withdrawn from the container and carried outwardly through said opening on moving the closure member to move said closing element away from said opening.

2,101,376
PERCUSSIVE BORING TOOL
Hermann Voigtländer, Essen, Germany, assignor to N. V. Wallramit Handel Maatschappij, Rotterdam, Netherlands
Application September 25, 1935, Serial No. 42,130
In Germany October 9, 1934
6 Claims. (Cl. 255—63)



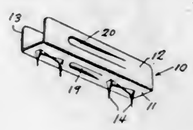
1. A percussive stone-boring tool consisting of a tool shaft having a recess at the boring end thereof with side faces tapering away from each other toward the boring end of the tool, a hard metal wedge-shaped inset in the recess having a cutting edge and side faces tapered to correspond to the tapered faces of the shaft, and a soft and elastic support between the tapered side faces and the inner end of the inset and the bottom of the recess, said support forming a solid welded or soldered metallic connection between the tool shaft and the inset and the side support being thinner than the bottom support.

2,101,377
CURTAIN TIE-BACK SECURING DEVICE
Walter S. Weldon, Maryland Heights, Mo.
Application February 1, 1937, Serial No. 123,441
5 Claims. (Cl. 156—33)



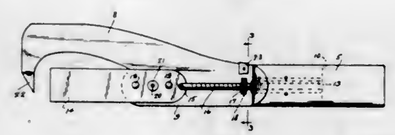
1. In a curtain tie-back securing device, a base member, means for securing said base on a window trim, said base having a depression therein with slots at opposite sides of the depression, a button removably secured in said slots, and means for attaching the tie-back to said button.

2,101,378
PARTITION ASSEMBLING AND RETAINING FIXTURE
Alfred Wiskoff, Evanston, Ill.
Application August 3, 1936, Serial No. 94,119
4 Claims. (Cl. 217—7)



1. As a new article of manufacture, a partition accommodation and holding fixture substantially channel-shaped in cross-sectional form, the web portion thereof being provided with integral struck-out anchoring prongs and one of the side walls thereof being provided with an inwardly projectable resilient partition contacting and retaining finger.

2,101,379
LATHE TOOL
Joseph Zackowitz, Flushing, N. Y.
Application April 16, 1937, Serial No. 137,354
1 Claim. (Cl. 142—56)



In a tool of the class described, a cutter member provided at one end with a tang, a handle secured to the tang and cutter member, said cutter member at the end thereof remote from said tang provided with a nose having a cutting edge, said tang having a longitudinal slot, a gauge-slide plate having at one end thereof a threaded shank, said gauge-slide also having extending laterally from one side thereof projections operating in said slot, whereby to constrain said slide to move longitudinally of said tang and relative to said cutter, said tang being also provided with a transverse slot, and a nut threadedly engaged with said shank and arranged in said slot whereby upon turning of said nut said gauge-slide is shifted longitudinally of the cutter for adjusting the distance between the nose of the cutter and the free end of said slide, said handle being also provided with a longitudinal bore, whereby to accommodate the aforementioned shank of said gauge-slide, said nut being also provided with a knurled periphery, and a dog, of resilient material, anchored at one end to said tang and having a free end engaging the knurled periphery of said stud for securing the latter against casual displacement and said gauge-slide in the desired position of adjustment.

2,101,380
MECHANICAL ADJUSTABLE SHIRT
Roland Alston, Washington, D. C.
Application March 18, 1936, Serial No. 69,555
4 Claims. (Cl. 2—127)

1. In an adjustable shirt having a back portion and having sleeves and a collar band; an ex-

pansible plait disposed transversely in the collar



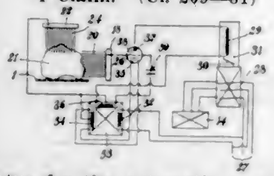
band and extending partly into the back; and means for adjusting the width of the plait.

2,101,381

APPARATUS FOR THE SEPARATION OF COAL AND THE LIKE

Kenelm Charles Appleyard, Birtley, England, assignor of one-half to The Birtley Company Limited, Birtley, England

Application September 13, 1933, Serial No. 689,322
In Great Britain May 11, 1933
1 Claim. (Cl. 209—81)



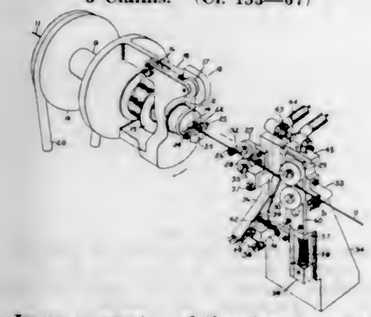
Apparatus for the automatic separation into classes of pieces of coal and the like according to their electrical resistance comprising an electrical circuit, a source of energy connected therewith only, two contact members, of which at least one is of a resilient nature, connected to the respective poles of said electrical circuit, means for causing the material to pass in single pieces between and to make electrical contact with said contact members, diverting means for presenting alternative paths to the pieces of material after they have passed said contact members and automatic means controlled by the current in said circuit for operating said diverting means, said two contact members being arranged to contact with each piece of material from directions substantially at right angles to one another.

2,101,382

SAFETY DEVICE FOR COILING MACHINES

John F. Donovan and George Illingworth, East Cleveland, Ohio, assignors to General Electric Company, a corporation of New York

Application May 7, 1936, Serial No. 78,385
5 Claims. (Cl. 153—67)



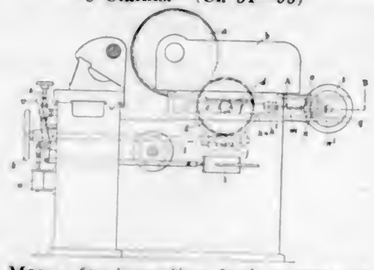
1. In an apparatus of the class described, the combination of means for coiling a wire, driving means for said coiling means, two members mounted adjacent said coiling means and adapted to engage the wire coil from opposite sides as it is produced, means for moving one of said members toward the other so that both of said members are pressed against the wire coil, means for causing the driving means to be inoperative when the members pass from the wire coil and are moved closer together on failure of the coiling operation and means located adjacent the two members and engaging the wire coil passing therefrom for keeping the wire coil from unwinding after the end of said wire coil passes therethrough.

2,101,383

PRECISION GRINDING MACHINE

Harry Hales Asbridge, Ashton-on-Mersey, England, assignor to The Churchill Machine Tool Company Limited, Broadheath, near Altrincham, England, a British company

Application October 28, 1936, Serial No. 108,077
In Great Britain November 12, 1935
9 Claims. (Cl. 51—95)



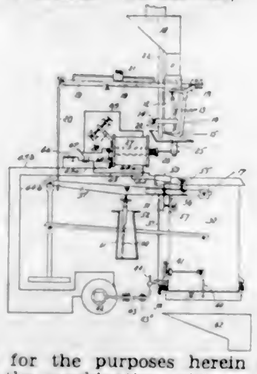
1. Means for imparting feed movements to a grinding wheel head comprising a hydraulic cylinder, a double acting plunger therein, toggle mechanism operated by said plunger, a slide, a grinding wheel on said slide, said slide being moved by said toggle mechanism, a dashpot, and means to bring said dashpot into operation to slow down the travel of said plunger at a predetermined point in the travel of the latter.

2,101,384

MEANS FOR USE IN AUTOMATICALLY WEIGHING PREDETERMINED QUANTITIES OF DISCRETE MATERIALS

Edwin Coubray, Auckland, New Zealand

Application March 26, 1936, Serial No. 71,025
In New Zealand May 18, 1935
7 Claims. (Cl. 249—32)



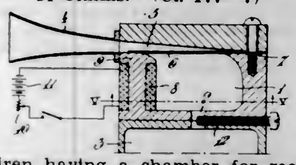
1. Means for the purposes herein described comprising the combination with an overhead storage bin having a delivery spout, a weighing scale beam having a receiving pan on one end disposed beneath the said spout, and means operable by the movement of the beam to control the delivery from said spout, to cause it to be opened when the pan end rises and to close when such end falls, of a tray disposed horizontally beneath the said spout to catch the material falling therefrom and to direct it into the weighing pan, and which tray is so mounted as to be adapted to be shaken reciprocally in a horizontal plane, an electric solenoid magnet to the pole piece of which the said tray is attached, a tipping switch controlling the supply of electric current to such magnet and mounted in association with the said scale beam to close when the weighing pan end is in the raised position and to open when such end falls, and detent apparatus for holding such switch in its closed position until the scale beam has dropped to its full extent.

2,101,385

AIR HORN

Olof Ingemar Harald Ekman, Stockholm, Sweden

Application October 31, 1935, Serial No. 47,685
In Sweden March 5, 1934
11 Claims. (Cl. 177—7)



1. A siren having a chamber for receiving a fluid under pressure and an outlet leading from said chamber, a valve for controlling said outlet, electro-magnetic means for producing a retaining power acting upon the valve to keep same in closed position, said retaining power being of such a nature as to become reduced with increasing opening of the valve, said chamber having a restricted inlet to allow the fluid to generate in the chamber, a source of counter-power acting on the valve to open same, said counter-power being of such nature as to be alternately increased and decreased depending on the closing and opening of the valve, the strength, or the highest strength, of said counter-power being sufficient for overcoming the action of the retaining power.

2,101,386

SUBMARINE SIGNALING CABLE

Julius Engler and Ernst Studt, Nordenham, Germany, assignors to Norddeutsche Seekabelwerke A. G., Nordenham, Germany

Application June 16, 1933, Serial No. 676,196
In Germany June 25, 1932
1 Claim. (Cl. 173—264)



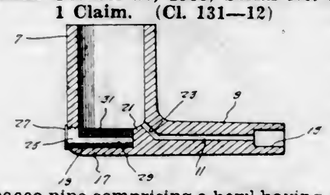
A submarine signaling cable with insulation consisting of several layers comprising a layer next to the conductors consisting of a liquid insulating material with low dielectric losses and low dielectric constant, a covering thereover of insulating thermoplastic material which is impermeable to water and retains its shape and a distancing member of pure polystyrol in the inner layer for holding the covering from the conductors.

2,101,387

SMOKING PIPE

Charles Arthur Facer, Bridgeport, Ohio

Application October 27, 1936, Serial No. 107,864
1 Claim. (Cl. 131—12)



A tobacco pipe comprising a bowl having a stem extending from one side thereof adjacent the bottom of the bowl cavity, the portion of said bowl which defines the bottom of the cavity being of substantially thick cross section and provided with a short bore leading inwardly to the cavity from a point on the side of the bowl substantially in axial alinement with the said stem and traversing the cavity for a major portion of its diameter, said stem having an axial bore communicating with the said cavity and being angularly offset at its inner end to enter the cavity at a higher elevation than the said short bore and being separated from the latter by a substantially narrow intervening portion of the pipe bowl, and a container having therein a removable absorbent material inserted in said bore.

2,101,388

PROCESS OF CONSTRUCTING PAVEMENTS

Sam E. Finley, Atlanta, Ga.

Application February 7, 1935, Serial No. 5,485
7 Claims. (Cl. 94—23)



1. The process of constructing pavements comprising the depositing of a layer of mineral aggregate upon the surface to be paved, the application to the individual particles of aggregate, while in place in such layer, of a first coating of bituminous material liquid at atmospheric temperatures and substantially free from light volatiles, the application to such coated particles of a second coating of bituminous cement also free from light volatiles, and the subjecting of said layer of coated aggregate to pressure to cause amalgamation of said coatings to form a bituminous cement of higher penetration than said second coating.

2,101,389

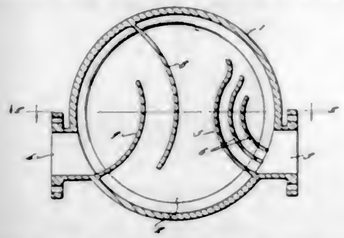
MUFFLER

Oliver C. Fischer, Waterloo, Ill., assignor of one percent to Robert L. Miller, one percent to Oscar J. Moffitt, one percent to Harold G. Horn, four percent to Henry F. Schneider, one percent to Elmer E. Collette, one percent to Leo V. Sondelbeck, and one percent to Arthur D. Goeddel, all of Waterloo, Ill.; one percent to Anton A. Wierschem and Mamie Wierschem, and one percent to Elmer W. Koch, all of Columbia, Ill., and one percent to Ira A. Moore, of Collinsville, Ill.

Application October 16, 1936, Serial No. 106,004
2 Claims. (Cl. 181—57)

1. A muffler of the class described comprising a drum-like casing provided below its horizontal

center with opposed inlet and outlet ports, respectively, a series of spaced apart similarly curved baffles upstanding from the inlet port, said series being graduated in height, a baffle up-



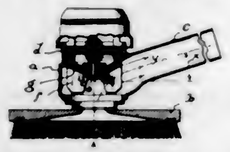
standing from the bottom of the outlet port, and a baffle depending from the casing intermediate said series of baffles and said outlet port baffle, said outlet port baffle and said intermediate baffles being oppositely curved relative to said series of baffles.

2,101,390

BLOWER FOR VACUUM CLEANERS

Engelbert Gorissen, Wuppertal-Barmen, Germany; Margarete Gorissen, née Becker, Wuppertal-Barmen, Germany, legal representative of Engelbert Gorissen, deceased, assignor to the firm Vorwerk & Co., Wuppertal-Barmen, Germany

Application February 20, 1936, Serial No. 64,987
In Germany March 1, 1935
1 Claim. (Cl. 230—127)



A blower for hand vacuum cleaners, comprising a casing, a substantially conical blade-carrying disc rotatably mounted in the casing, blades secured to the said disc to form a fan, and an air outlet connection branching off from the casing at an angle to the plane of rotation of the fan, the upper boundary of the inclined air outlet connection lying approximately in a continuation of the conical surface of which the blade-carrying disc forms a part.

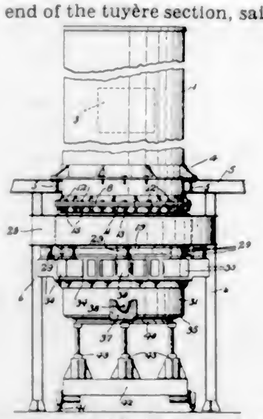
2,101,391

FOUNDRY CUPOLA

Laurence A. Grotewohl, Muskegon, Mich., assignor to Campbell, Wyant & Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan

Application February 3, 1936, Serial No. 62,066
4 Claims. (Cl. 266—25)

1. In a cupola furnace, a vertically disposed charging section, a plurality of vertical posts, means connecting the upper ends of said posts and the charging section for supporting said section by the posts, melting, tuyère and well sections of the furnace located in vertical alinement below the charging section, a second means for detachably connecting the melting section at the lower end of the charging section, a third means for detachably connecting the tuyère section at the lower end of the melting section, and a fourth means for detachably connecting the well section at the lower end of the tuyère section, said second,



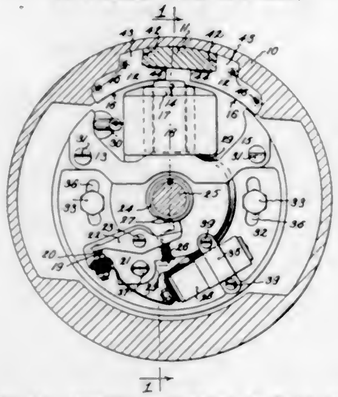
third and fourth means being individually operatable for the purpose described.

2,101,392

ELECTRIC GENERATOR

Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts

Application November 19, 1936, Serial No. 111,576
13 Claims. (Cl. 171—209)



1. In an electric generator, a field structure including a permanent magnet and a pair of pole shoes, a core structure, a generating coil carried by the core structure, means for rotating one of said structures relatively to the other, said shoes each having a curved portion for cooperation with the core structure on relative rotation of said structures and a seat for one polar end of the magnet, said shoes being circularly spaced relatively to the axis of said rotation, said seats located in adjacent relation and spaced apart circularly relative to said axis by a distance greater than that by which the adjacent ends of said curved portions are spaced apart, said magnet extending between said seats and having its polar ends engaged one with each of said seats.

2,101,393

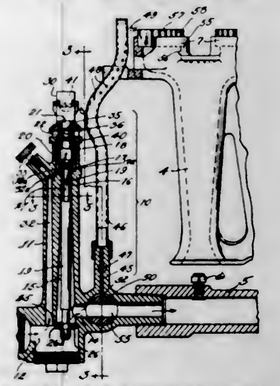
GAS BURNING AND CONTROL APPARATUS

George Herbster, Cleveland, Ohio

Application October 24, 1933, Serial No. 694,962
5 Claims. (Cl. 158—117.1)

4. In a pilot burner device, a valve body having

a seat, a valve plug cooperable with the seat for controlling the admission of fuel to sustain a pilot flame, a thermostatic lever in heating relation to the pilot flame and operatively connected at one end to the valve plug and at the other end to the body, said lever being bowed adjacent the flame intermediate its ends, and arranged so that upon heating of the lever, the ends thereof move relatively toward each other and thereby move the valve plug and seat relatively toward each other for reducing the admission of fuel to the pilot flame, and upon cooling of the lever, the ends thereof move relatively away from each other and



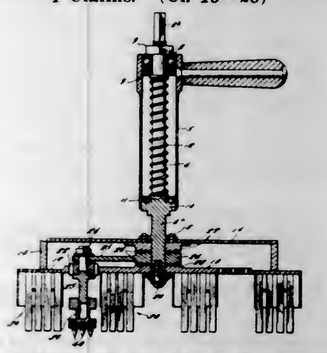
thereby move the valve plug and seat relatively away from each other for increasing the admission of fuel to the pilot flame, and means operable to maintain the end of said lever connected to the plug in a path of travel spaced a greater distance outwardly from the flame than the end of the lever connected to the body during said relative movements, whereby upon movement of said ends of the lever toward each other for reducing the admission of fuel to the pilot flame, the intermediate portion of the lever is swung outwardly about the body end of the lever away from the flame.

2,101,394

MEAT BLOCK BRUSH

Franklin D. Johnson, Charleston, W. Va.

Application July 14, 1936, Serial No. 90,593
4 Claims. (Cl. 15—28)



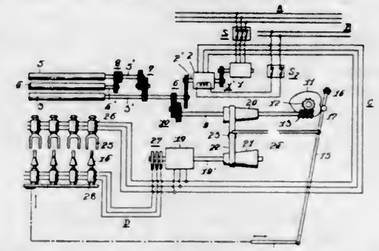
1. In a device of the character described, a shaft, an annular plate secured to the shaft and having an inner circular edge provided with gear teeth, a second annular plate arranged within the confines of the first annular plate and mounted on the shaft to rotate about the shaft as an axis, said second annular plate having a peripheral edge provided with gear teeth, a spider member loose on the shaft and having arms provided with means engageable with the surface being worked upon for holding the spider member stationary, pinions mounted on the free ends of said arms and meshing with the teeth on the respective plates to impart differential rotary movement to the said plates, and each of said plates having a plurality of bristles depending from one side thereof.

2,101,395

OPERATING APPARATUS FOR FLYER FRAMES

Etsuro Kato, Hara-Machi, Meguro-Ku, Tokyo-Shi, Japan

Application January 5, 1937, Serial No. 119,143
In Japan June 20, 1936
3 Claims. (Cl. 118—43)



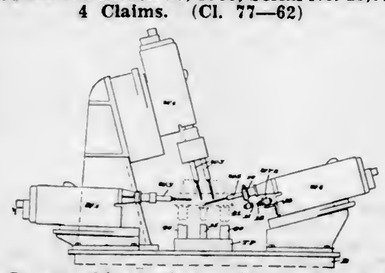
1. An operating apparatus for a flyer frame comprising, two mutually associated generators, motors for driving the flyers and motors for rotating movable bobbins, one of said generators providing a supply source for the motors for driving the flyers and the other of said generators providing a current supply for the motors driving the bobbins, draft apparatus driven in association with said generators, and means for varying the speed of the draft apparatus relative to the speed of the bobbins in accordance with the winding movement of the bobbins.

2,101,396

AUTOMATIC MACHINE TOOL WITH WORK CLAMPS

Edward Joslin Kingsbury, Keene, N. H.

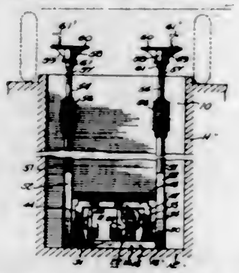
Application March 29, 1935, Serial No. 13,740
4 Claims. (Cl. 77—62)



1. In a machine tool, a working unit including a tool and means for feeding the same and detaining means operative for normally holding the tool in withdrawn position, a work holder including means for locating the work relative to the working unit and a power device for presenting the work to and holding it at the locating means;

a source of energy, means selectively operable for delivering energy from said source alternately to the power device and to the detaining means for effecting the release of the latter, power-actuated means actuated from said selectively operable means for controlling the delivery of energy from the selectively operable means to the power device for causing the latter to become energized selectively for effecting the presenting of the work at the locating means and its clamping thereat and for effecting release of the work, a first supervising control element normally occupying an obstructing position to prevent flow of energy from said selectively operable means to said detaining means and thereby effective to prevent release of said detaining means when the selectively operable means is in position for delivering energy toward the detaining means, said first control element being actuated upon movement of the work into presented position for permitting the flow of energy to said detaining means for the release of the same, and a second supervising control element normally occupying an obstructing position to prevent the flow of energy between the power-actuated means and said selectively operable means whereby to prevent movement of said power-actuated means and constructed and arranged to be moved to another position by the tool unit when said tool enters withdrawn position whereby to permit reversal of the power-actuated means and a release of the work.

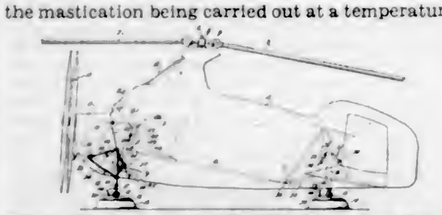
2,101,397
VEHICLE ROCKING APPARATUS
Philip J. Kroll, New York, N. Y.
Application November 27, 1934, Serial No. 755,038
8 Claims. (Cl. 73—51)



8. Apparatus of the character described comprising a pair of upwardly extending posts having means at their upper ends engageable beneath the frame of a motor vehicle, a pair of bell crank levers pivotally supported intermediate their ends on spaced parallel axes and each having one end connected to one of said posts, said ends of said bell crank levers extending away from each other, and motion transmitting means, including a motor, connected to the other ends of said bell crank levers to rock them on their axes.

2,101,398
SHELLAC SUBSTITUTE AND PROCESS OF PRODUCING THE SAME
Wilhelm Krumbhaar, Detroit, Mich.
No Drawing. Application April 9, 1936, Serial No. 73,591
7 Claims. (Cl. 134—26)

7. A low viscosity solution adapted for use in varnishes, enamels, paints or the like, or for impregnating, adhesive stiffening or water-proofing compositions, comprising a masticated copal gum, substantially completely dissolved in ethyl alcohol, the mastication being carried out at a temperature

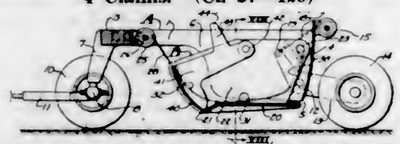


within the range of 90°–120° F. and under a pressure of from 50–150 pounds per square inch.

2,101,399
AIRCRAFT OF THE ROTATIVE-WING TYPE
Agnew E. Larsen, Kingston-on-Thames, England, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application January 12, 1937, Serial No. 120,155
14 Claims. (Cl. 244—100)

1. An aircraft including a sustaining rotor providing for substantially vertical descent, and landing gear having vacuum cup means adapted to cooperate with the landing surface upon contact therewith to restrict substantial movement of the craft on said surface.

2,101,400
EARTH MOVING MACHINE
Frank P. Lawler, San Francisco, Calif., assignor to Charles H. Grant, San Francisco, Calif., Paul J. Tyler, Oroville, Calif., and himself
Application January 4, 1937, Serial No. 118,946
4 Claims. (Cl. 37—128)

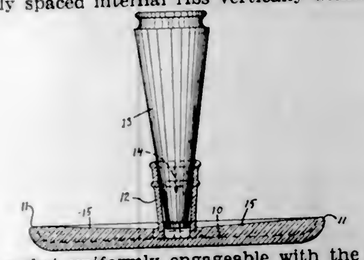


1. In an earth moving machine of the character described, a main frame, front wheels supporting the front end of the frame, an adjustable frame pivotally attached to the main frame adjacent the rear end thereof, rear wheels journaled at the rear end of the adjustable frame and supporting said frame, means connected with the adjustable frame for swinging said frame about the axis of the rear wheels to raise or lower the rear end of the main frame, a bucket carried by the main frame, said bucket comprising a bottom section and a pair of side sections, a scraper blade attached to the front end of the bottom section and extending crosswise thereof, a pivotal support between the rear upper ends of the sides of the bucket and the main frame, means for swinging the bucket about the pivotal support, a plate secured to the main frame rearwardly of the bucket and forming a rear gate for the bucket, a spreader blade carried by said plate, and a front gate pivotally attached to the bucket.

2,101,401
SERVING DEVICE
Louis A. Leppke, Omaha, Nebr.
Application February 4, 1936, Serial No. 62,283
1 Claim. (Cl. 65—15)

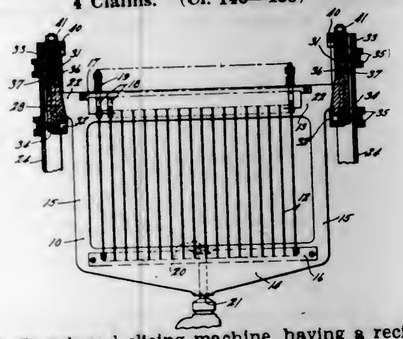
The hereindescribed serving device comprising a plate having a central integrally formed supporting member upstanding therefrom a distance substantially greater than the thickness of the plate, and having a tapering upwardly opening socket, said plate having integral ribs radiating from said member and reenforcing the latter, and a relatively tall, rigid beverage container

having a tapering lower end for extension into the said tapering socket in a manner to prevent overturning of the container, said holder having annularly spaced internal ribs vertically within its



said socket uniformly engageable with the container to form a slip grip with the latter and at the same time prevent sticking of the container in the socket of the supporting member.

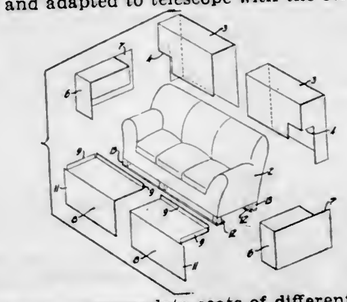
2,101,402
GUIDE MOUNTING FOR BREAD SLICING KNIFE FRAMES
Norman W. Lyon, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application April 1, 1936, Serial No. 72,118
4 Claims. (Cl. 146—153)



1. In a bread slicing machine, having a reciprocable knife frame and fixed supporting frames disposed one adjacent each of two opposite sides of the knife frame, sub-frames mounted one in each of the fixed supporting frames and having means for guiding said knife frame in its reciprocating movement, interengageable means provided on each fixed frame and its adjacent sub-frame for slidably supporting the sub-frames on the fixed frames for limited movement toward and away from each other in a plane normal to that of the movement of the knife frame, and yieldable means for moving the sub-frames toward each other.

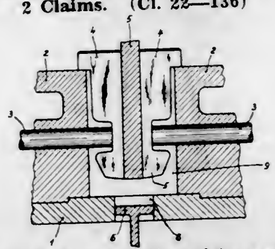
2,101,403
CARTON FOR AND METHOD OF PACKAGING FURNITURE
Archibald V. MacDonald, Los Angeles, Raymond A. Minkler, Hawthorne, and Herbert Iske, Alhambra, Calif.
Application June 12, 1935, Serial No. 26,192
5 Claims. (Cl. 45—22)

1. A carton for a piece of furniture having a seat, back and arms, comprising a section shaped to fit over one portion of the back, a section shaped to fit over another portion of the back and adapted to telescope with the other section to accommodate backs of different length, a section shaped to fit over a portion of the seat, a section shaped to fit over another portion of the seat and adapted to telescope with the other seat



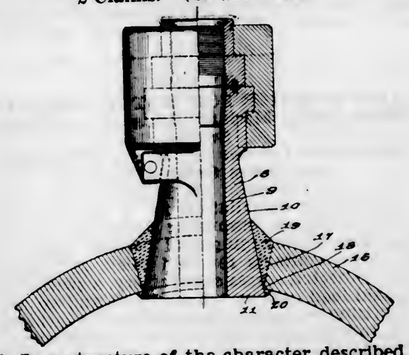
section to accommodate seats of different length, and sections shaped to fit over said arms.

2,101,404
CHILL MOLD
Ernst Mahle, Stuttgart, Germany
Application August 18, 1936, Serial No. 96,663
In Germany October 19, 1935
2 Claims. (Cl. 22—136)



1. A chill mold for casting pistons which consist of a plurality of metal alloys comprising a side wall and a bottom wall, a member movably mounted with respect to said mold and having a shape similar to that of the space which the first alloy is intended to occupy in the piston to be cast, and said movable member being arranged in the bottom of said mold.

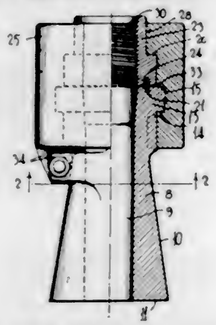
2,101,405
COUPLING
Roy S. McKeever, Tulsa, Okla., assignor to Smith Separator Corporation, Tulsa, Okla., a corporation of Oklahoma
Application January 12, 1937, Serial No. 120,303
2 Claims. (Cl. 285—106)



1. In a structure of the character described, a metallic wall having a port therein, a metallic

nozzle having a thickened base portion, said base portion having an external flared surface extending through said port and abutting against the wall surrounding said port, one end of the base portion being of larger diameter than the port to prevent the nozzle from passing therethrough, and welding metal securing the nozzle to the wall of said port.

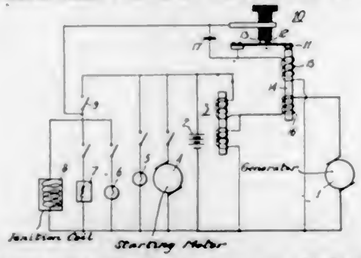
2,101,406
PIPE COUPLING
Roy S. McKeever, Tulsa, Okla., assignor to Smith Separator Corporation, Tulsa, Okla., a corporation of Oklahoma
Original application January 12, 1937, Serial No. 120,303. Divided and this application April 15, 1937, Serial No. 137,152
1 Claim. (Cl. 285—177)



Means for quick detachably connecting a pipe to a high pressure tank comprising a nozzle adapted to be secured to said tank and having an end groove and spaced peripheral lugs, the inner ends of the lugs being inclined and forming cam surfaces, a nipple adapted to be secured to said pipe and having an external annular shoulder and an end groove, an annular gasket seated in said grooves, a collar surrounding the nozzle and nipple and having an internal annular shoulder near one end thereof impinging against the shoulder of the nipple, internal lugs at the opposite end portion of the collar provided with inclined inner ends forming cam surfaces engaging the cam surfaces of the lugs of the nozzle for moving the nipple toward the nozzle and tightening the gasket when the collar is turned in one direction relatively to the nozzle, overlapping apertured ears projecting respectively from the collar and nozzle, and a bolt extending through said apertures for use in drawing the ears toward one another.

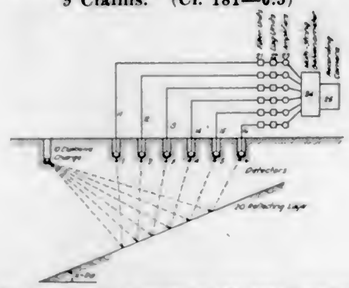
2,101,407
ALARM DEVICE FOR MOTOR VEHICLES
Johan Birger Moriand, Langed, Nordmaling, Sweden
Application October 7, 1935, Serial No. 43,967
In Sweden October 30, 1934
1 Claim. (Cl. 177—311)

An electric installation for a motor vehicle, said installation comprising a storage battery, a generator for charging said battery and a cut-out relay, contacts for said relay, at least one load connected across said battery, a switch placing said load into or out of circuit and an alarm comprising a control coil connected in series with said battery and said generator and with the contacts of said cut-out relay, a circuit including said battery, said switch and an alarm operating coil, normally closed contacts opened by the energization of either coil and included in said operating coil circuit, the arrangement being such that when said switch is closed, said device is



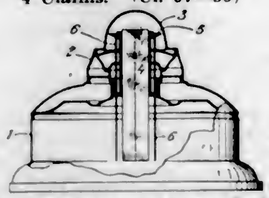
operative or inoperative according to whether the current in said cut-out relay is less or greater respectively than a predetermined value and that, when said switch is open, said device is inoperative.

2,101,408
SEISMIC SURVEYING METHOD
David Saville Muzzey, Jr., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 6, 1935, Serial No. 48,510
9 Claims. (Cl. 181—0.5)



1. In a seismic surveying system comprising a plurality of detectors electrically connected to a plurality of galvanometers, the steps of generating a disturbance in the ground, converting said disturbance into electrical impulses at each of the detectors, transmitting the impulses from all detectors to each of the galvanometers through lines having different electrical time lags for each galvanometer, and simultaneously recording the indications of all galvanometers.

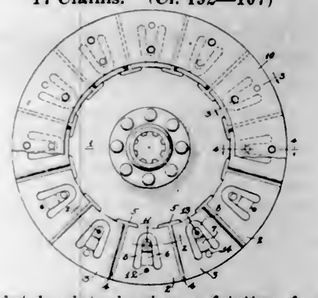
2,101,409
STORM LANTERN
Bruno Nier, Beierfeld in Sachsen, Germany
Application July 14, 1936, Serial No. 90,573
In Germany July 20, 1935
4 Claims. (Cl. 67—53)



1. A storm lantern comprising, a fuel reservoir, a burner cap supported on said reservoir and

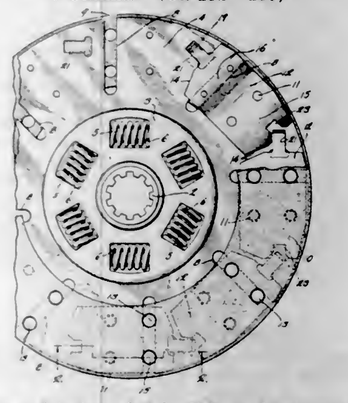
adapted to provide a cover therefor, a wick tube extending from said reservoir into said cap, a flame plate supported at the top of said wick tube, and heat conducting elements attached to said flame plate and extending into said reservoir.

2,101,410
CLUTCH PLATE
Harold Nutt and Harold V. Reed, Chicago, Ill., assignors, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application December 11, 1933, Serial No. 701,888
17 Claims. (Cl. 192—107)



1. A clutch plate having a friction facing on the side thereof, sectors in the peripheral portion of said plate having portions extending away from the plane of the body of the plate in the direction of said facing, tongues in said sectors, and bends in said tongues and in said sectors cooperating to provide a multi-stage cushion on said plate for said facing, said sector portions and said tongues being arranged relative to said facing in a manner such that the facing is supported by the tongues out of engagement with the sectors during the initial stage of cushion action, but contacts the said sector portions during a succeeding stage of cushion action.

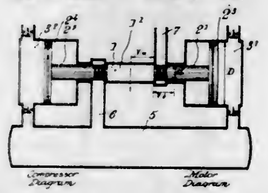
2,101,411
DRIVEN CLUTCH DISK
Harold Nutt and Harold V. Reed, Chicago, Ill., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 14, 1935, Serial No. 49,653
7 Claims. (Cl. 192—107)



1. In a friction clutch disk, a driven plate of relatively non-yielding material adapted to be

mounted upon a shaft, an annular friction facing carried by said plate on one side thereof, a similar friction facing disposed upon the opposite side of the plate in normally spaced apart relationship relative thereto, and multi-stage cushion means carried by said plate yieldingly to support said last named facing thereupon, said means comprising a plurality of structurally independent relatively light spring steel members each fixed adjacent one end to the plate and each free at its outer end and having an intermediate bowed portion contacting with and secured to said last named facing, said free ends of said cushion members being adapted, during compression of the disk, to engage with and abut a portion of said plate and first named facing assembly.

2,101,412
FREE PISTON DRIVING GAS GENERATOR
Raul Pateras Pescara, Paris, France
Application June 1, 1936, Serial No. 82,995
In France June 3, 1935
14 Claims. (Cl. 230—56)



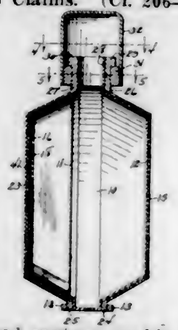
1. In a driving gas generator having motor and compression cylinders and operatively connected motor and compression pistons freely movable in said cylinders, and having means for supplying at least a portion of the gas compressed in said compression cylinder to said motor cylinder to generate therein a driving gas, said generator having a variable power output and delivery pressure, and having means to return said motor piston to compression position, said means including a dead space cushion in said compression cylinder, the energy retained in which acts on the compression piston, and further including means to supply additional energy the amount of which is substantially independent of the delivery pressure and the pressures in the cylinders, the proportion between the scavenging and compressing portions of the motor piston stroke and the ratio of the diameters of the motor and compression cylinders being such that the compression pressure in the motor cylinder lies between a minimum pressure necessary to cause combustion of fuel and a maximum pressure not greater than the mechanical strength of the cylinder.

2,101,413
PROCESS FOR PRODUCING MIXED CELLULOSIC ESTERS
Otto Sindl, Paris, France, and Georg Frank, Moedling, near Vienna, Austria, assignors to "Afag" Finanzierungs A. G., Schaffhausen, Switzerland
No Drawing. Application September 25, 1936, Serial No. 102,630. In France October 18, 1935
5 Claims. (Cl. 260—101)

1. A process for producing mixed cellulose esters containing at least two dissimilar kinds of acyl radicals by introducing into a cellulose ester, which has been produced by an esterification operation carried out in the presence of at least one catalyst containing sulpho-radicals, at least one additional kind of acyl radical differing from the kind already fixed in the ester, said process consisting in removing the esterifying liquid

from the cellulose ester, treating the cellulose ester in the non-dissolved state and whilst still containing residues of the esterifying catalyst with a non-hydrolizing liquid at least one component of which is a radical-displacing agent containing at least one radical to be introduced into the ester selected from the group consisting of: fatty acids, esters of fatty acids, and derivatives of both these kinds of compounds, whereby the radical to be introduced enters into the molecule of the ester by a process of radical exchange, and finally removing the residues of the catalyst from the mixed ester formed for the purpose of stabilizing the latter.

2,101,414
COMBINED CANTEEN, COOKING, AND MESS KIT
William H. N. Stevens, Columbus, Ohio
Application March 29, 1937, Serial No. 133,718
5 Claims. (Cl. 206—4)



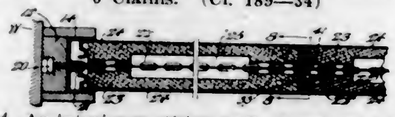
1. A combined canteen, cooking and mess kit, comprising a canteen having a neck, laterally extending apertured projections on the bottom of the canteen, a frying pan arranged on one side of the canteen, a cooking pan arranged on the other side of the canteen, lugs on the bottom of both pans engageable in said apertured projections, extensions on the top of both pans adapted to lie along said neck of the canteen, and a coupling ring adapted to embrace said neck and the last named extensions for holding the parts assembled.

2,101,415
SEALING DEVICE
Cameron A. Stuart, Hettinger, N. Dak.
Application July 22, 1935, Serial No. 32,612
1 Claim. (Cl. 15—133)



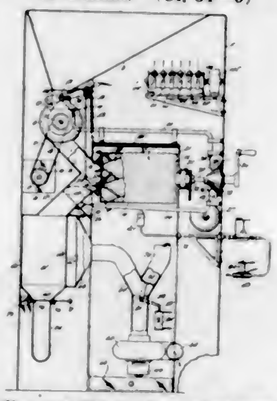
A sealing device for a container having open opposite ends, and a dispensing means in one end of the container, comprising interior threads carried by the opposite end of the container, and a plug threaded into said opposite end of the container, said plug including a knurled flange having a diameter greater than the diameter of the plug, and a cylindrical cover supporting shoulder integral with the plug and disposed between the flange and the outer end of the plug, said shoulder having a diameter less than the flange and greater than the diameter of the adjacent end of the container.

2,101,416
WALL CONSTRUCTION
Frederick M. Venzie, Philadelphia, Pa., assignor to National Gypsum Company, Buffalo, N. Y., a corporation of Delaware
Application September 15, 1933, Serial No. 689,579
6 Claims. (Cl. 189—34)



4. An interior partition wall comprising a multiplicity of surfacing units, supporting means, chains secured at one end to said supporting means and passing through said surfacing units, and a wedge passing through a link in each of said chains and abutting an edge of one of said units for maintaining said chain under tension and said units in abutting relationship.

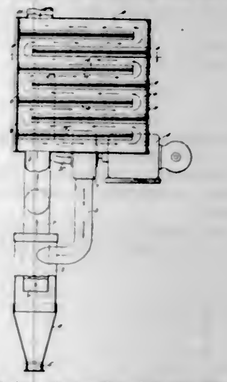
2,101,417
ROASTING APPARATUS
Albert C. Waldvogel, Richmond Heights, Mo.
Application April 18, 1934, Serial No. 721,093
21 Claims. (Cl. 34—5)



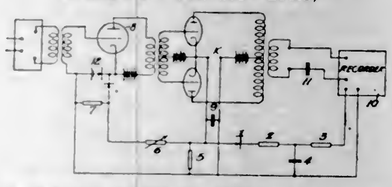
3. A coffee roasting apparatus comprising a rotary roasting chamber, a rotary stoner, a first mechanism for rotating said chamber and said stoner in synchronism, a second mechanism movable into different positions, one for directing quantities of coffee into said roasting chamber and one for discharging the coffee therefrom below the entrance to said stoner, suction mechanism for subsequently conveying the coffee to a position above said stoner, means for directing the coffee into said stoner, and for directing the coffee from said stoner, said last named means being connected with said second mechanism to operate simultaneously therewith.

2,101,418
CAFFEINE COLLECTOR
Albert C. Waldvogel, Richmond Heights, Mo.
Application November 8, 1934, Serial No. 752,041
5 Claims. (Cl. 183—94)

1. In a device of the character described, a compartment comprising side, bottom and top walls, end walls, means for holding said end walls detachably connected with said side walls, vertical series of horizontal brackets attached to said side walls, and vertical series of trays supported by said brackets for longitudinal sliding movements for removal and replacement and forming a tortuous passage from the lower end to the upper end of said compartment.



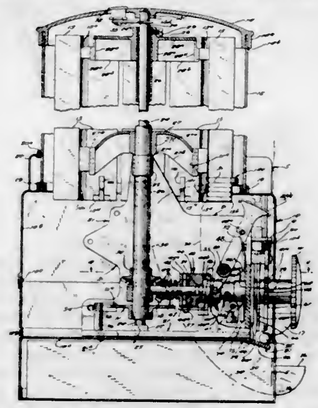
2,101,419
RECORDING OF ELECTRICAL IMPULSES
Heinrich Weber, Berlin, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application July 25, 1936, Serial No. 92,562
In Germany September 9, 1935
5 Claims. (Cl. 179—100.3)



2. A signal responsive apparatus including a pair of amplifiers connected in push-pull relation, means common to the grid circuits of said amplifiers for producing a control potential which varies in response to the signal to be amplified, a pair of leads associated with the output circuit of said push-pull amplifiers for delivering the amplified signal, a pair of leads common to the anode circuits of said amplifiers for producing a potential which varies as the envelope of said signal, means associated with said common leads for controlling the input potential of said amplifiers only when said envelope potential exceeds a predetermined value, a signal recorder, and means interposed between said common leads and said recorder for applying to said recorder a noise reduction bias potential which varies in accordance with said envelope potential.

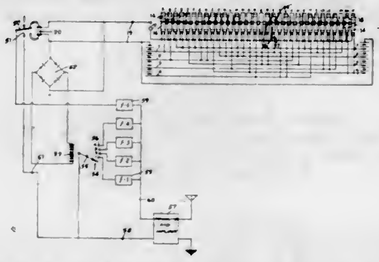
2,101,420
VENDING MACHINE CONSTRUCTION
Gilbert J. Scofield, Loudonville, N. Y.
Application December 8, 1934, Serial No. 756,663
11 Claims. (Cl. 312—65)

1. The combination with a vending machine in which a movable container includes a plurality of compartments capable of holding different kinds of articles, each compartment being capable of holding a plurality of superimposed articles; of an operating apparatus including compartment selecting mechanism, delivery effecting mechanism, and means operable in one direction to actuate said selecting mechanism to make



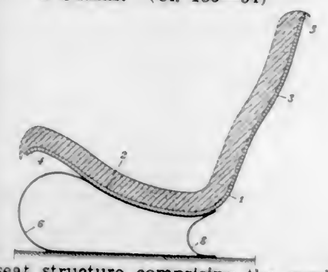
an optional choice of any one of said compartments and place the chosen compartment in delivery position, said means being operable in the opposite direction to effect positive delivery of one article from the chosen compartment by displacing the article therefrom.

2,101,421
COMMUNICATION SYSTEM
Alfred L. Sprecker, Freeport, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 23, 1935, Serial No. 3,001
10 Claims. (Cl. 178—66)



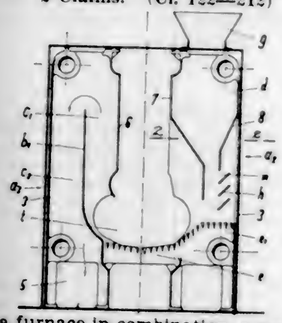
1. In a communication system, means to initiate character signals consisting of impulses having different current values and polarity, a plurality of sources of different frequencies, means to select certain frequencies from the said plurality in accordance with the current values of the initiated signals to modulate a carrier wave accordingly, means adapted to control the selection of one of said frequencies in addition to other selected frequencies to represent a definite polarity, means to transmit and receive the modulated carrier wave, means associated with the receiving means to transform the carrier wave modulated by the selected frequencies into character signals including means responsive to the additional selected frequency to determine the polarity of the transformed character signals so as to correspond to the initiated character signals.

2,101,422
FLEXIBLE SEAT SUPPORT
Louis Assalit, Marseille, France
Application January 31, 1935, Serial No. 4,246
In France February 14, 1934
3 Claims. (Cl. 155—54)



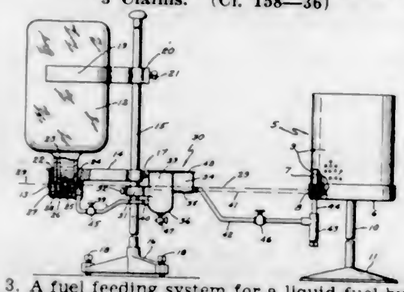
1. A seat structure comprising the combination of a rigid seat unit and a damped spring suspension supporting said seat unit and when the seat unit is occupied effectively damping oscillations due to movements of an occupant or vibrations of a vehicle upon which the seat structure may be mounted, said seat unit including a seat portion and a back portion fixedly secured together to form a rigid unalterable unit having inflexible bearing surfaces, and said damped spring suspension including a relatively large forwardly looped or U-shaped spring of flat strip steel having two unequal limbs, with the longer limb resting on the floor and directed rearwardly and the other shorter limb attached directly to the seat portion, and a relatively smaller forwardly looped or U-shaped spring of flat strip steel having the ends thereof secured to the inside portions of the ends of the large spring so as to be located substantially within the outline of said large spring, and both springs together forming a damped spring unit and having relatively unequal and non-harmonic rates of vibration which are effective to mutually dampen each other when the seat structure is occupied within practical limits for varying weights of occupants.

2,101,423
FURNACE
Stefan Beck, Budapest, Hungary
Application June 26, 1935, Serial No. 28,515
In Austria and Czechoslovakia April 20, 1935
2 Claims. (Cl. 122—212)



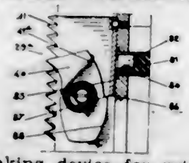
1. In a furnace in combination, a grate, charging ducts for supplying fuel to said grate from above, means for admitting combustion air to the fuel in each charging duct above the incandescent layer of fuel on the grate, means positioned in each charging duct and in the region of the air-admitting means for restricting the free sectional area of each charging duct to not more than 25% of the area of said grate, and cooling chambers inserted between said charging ducts said charging ducts being delimited by the walls of the cooling chambers and by walls branched off the cooling chamber walls and extending between adjoining cooling chambers.

2,101,424
COMBINED FILTER AND PRIMER FOR OIL BURNERS
Melvin C. Bennett, Middletown, Conn., assignor of one-half to Thomas F. Smithwick, Middletown, Conn.
Application August 16, 1935, Serial No. 36,534
3 Claims. (Cl. 158—36)



3. A fuel feeding system for a liquid fuel burner comprising a bottle base providing a constant level supply chamber for an inverted bottle feed and for determining the highest level to which fuel may rise in the burner, a receptacle between the supply chamber and the burner and including a receiving and settling chamber, a conduit connecting the supply chamber to the lower part of the receiving chamber, a manually operable shut off valve in said conduit, a conduit connecting the receptacle with the burner and connected with the receptacle at a point below the high fuel level to determine the low fuel level in the burner, said receptacle having sufficient capacity between said levels to supply a sufficiently large priming charge to the burner for starting it when the shut off valve is closed, a second shut off valve between the receptacle and the burner, an upright standard, and means for mounting the supply chamber and the receptacle for relative vertical adjustment on the standard whereby to adjust said fuel levels.

2,101,425
BRAKING DEVICE FOR ROTATING MACHINE PARTS
Louis Charles Brisson, Neuilly-sur-Seine, France, assignor to Société Anonyme Société des Freins Hydrauliques S. de Lavaud, Paris, France
Application February 8, 1936, Serial No. 62,960
In France August 8, 1935
8 Claims. (Cl. 188—79.5)

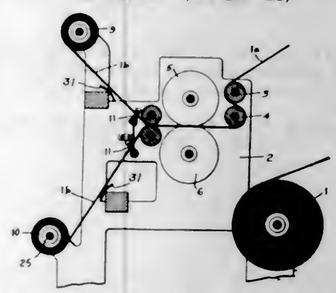


1. In a braking device for rotating machine parts, in combination, a braking surface integral with said machine parts, braking means for exerting pressure on said braking surface, operating means for applying said braking means against said braking surface, automatic slack-adjusting means for taking up excess slack in said braking means, and automatic hit-or-miss means controlled by the temperature of the brake parts which block said automatic slack-adjusting means in such position as to render same fully inoperative as soon as the temperature of the brake parts reaches a pre-established maximum, and fully release said slack-adjusting means when the temperature drops below said maximum.

2,101,426
METHOD OF PRODUCING LOW CARBON HIGH CHROMIUM CAST IRON
Charles O. Burgess, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application March 14, 1935, Serial No. 11,074
6 Claims. (Cl. 75—127)

1. As an article of manufacture for adding chromium to a cupola melting charge, a briquetted metallic mixture comprising a binder and metallic ingredients having the approximate composition range: 40% to 75% chromium; 5% to 15% silicon; 5% to 15% copper; carbon in an amount less than 2%; remainder iron.

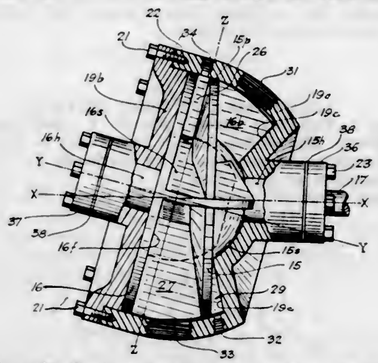
2,101,427
TABULATING CARD
Leo C. Conradi and Almon M. Fairbrother, Binghamton, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Application May 1, 1935, Serial No. 19,180
1 Claim. (Cl. 91—14)



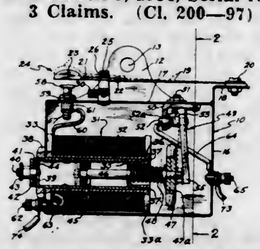
In a paper treating device, means for slitting a strip of paper, means for separating the edges of the paper thus slit, means for applying an impregnating solution simultaneously to the separated edges, said last named means comprising separate wick devices associated with the said edges and connected to a common supply, and means for winding the slit and impregnated portions of paper on separate reels.

2,101,428
ROTARY FLUID DISPLACEMENT DEVICE
Ernest Alexander Cuny, New York, N. Y., assignor to Cunward, Inc., Brooklyn, N. Y., a corporation of New York
Application May 1, 1935, Serial No. 19,191
10 Claims. (Cl. 103—127)

1. In a fluid displacement device, a rotatable element having blades thereon, a casing having a chamber within which the said element is adapted to rotate, the said casing having a conic portion forming a part of said chamber and opposed to and having the same axis as the said rotatable element such that the edges of the said blades are adapted to rotate contiguously thereto, a rotatable conic element having slots through which the said blades are adapted to reciprocate, the said conic element having a separate axis intersecting the first said axis, inlet and outlet ports in the casing between the said conic portion thereof and the said conic element, inlet and outlet ports between the first said element and the said conic element, and means adapted to rotate the said rotatable elements whereby fluid is caused to be drawn in through the said inlet ports and discharged through the said outlet ports.



2,101,429
ELECTRICAL SWITCH
Quido De Felice, Devon, Conn.
Application March 8, 1934, Serial No. 714,625
3 Claims. (Cl. 200—97)



1. In a control device, a casing of electrical conducting material, switch means including a stationary contact insulated from the casing and a movable contact on the casing and normally tending to move into engagement with the stationary contact, a binding post on and insulated from said casing and adapted to be connected with a source of electrical energy, an electro-magnet in said casing, conductors for connecting the coil of said magnet with the binding post and said source of current, a cylinder within the coil of said magnet, a piston in said cylinder, a rod on said piston and extending through one end of the cylinder, means associated with the cylinder permitting free exit of air from the cylinder to permit free movement of the piston inwardly and restricting passage of air into the cylinder to cause retarded movement of the piston in the other direction, an armature on the outer end of said rod, said rod normally holding the movable contact of said switch out of engagement with the stationary

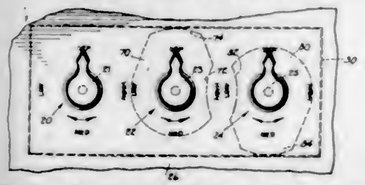
contact thereof, and spring means for holding said rod in normal position and returning it thereto when moved therefrom whereby when a circuit is completed through the coil of said electromagnet the armature will be attracted and move the piston and piston rod to permit the switch to close as the piston is drawn into the cylinder and remain closed until the spring means returns the armature and piston and rod to normal position shifting the movable contact away from the stationary contact thereof.

2,101,430

ELECTRIC CONTROL DEVICE

Max L. Goldbert, New York, N. Y., and Roy T. Watts, Miami Beach, Fla., assignors to Electric Trading Corporation, New York, N. Y., a corporation of New York

Application February 5, 1935, Serial No. 5,012
11 Claims. (Cl. 200—50)



1. In an electric circuit, two adjacent rotary switches, each having an off position, a high position, and one or more intermediate positions, each having a position lock member keyed to its shaft, the edge portion of each of said lock members which is adjacent the other lock member when its switch is in an intermediate position, being an arc centered at the switch shaft, the radii of these arcs for the two lock members totaling substantially the distance between their centers, the portion of each of said lock members which is adjacent the other lock member when its switch is set at high, having edge parts at each side of the line through the shaft centers, which edge parts have a greater radius than the intermediate arc, and the edge portion of each of said lock members which is adjacent the other lock member when its switch is set at off, being concave on the radius of the high position portion of the other switch lock.

2,101,431

DENTURE BLANK

Frazier Groff, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Original application December 27, 1932, Serial No. 648,848. Divided and this application December 21, 1934, Serial No. 758,693
9 Claims. (Cl. 32—2)



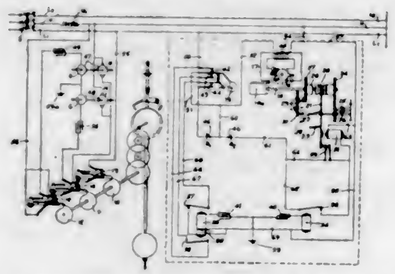
1. Denture blank formed of a compressed thermoplastic moldable artificial resin composition in the approximate shape of a denture provided with gum portions to receive the teeth which contain a depth and thickness of said composition substantially twice that which is to remain therein in the finished denture and having substantial additional thickness of said composition in other portions of said blanks which are adapted to receive molding pressure, whereby maximum flow of said composition in molding is obtained.

2,101,432

TIME SYSTEM

Laurence S. Harrison, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 19, 1935, Serial No. 17,245
6 Claims. (Cl. 58—24)



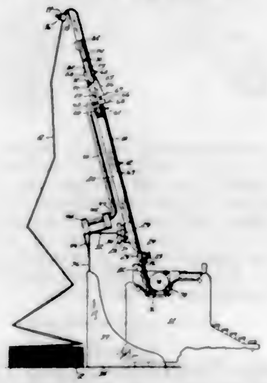
4. A synchronous motor driven clock normally operated from a power distributing system carrying a low frequency current for commercial power uses, means for supplying high frequency currents of different frequency characteristics to said power distribution system, synchronizing means in said clock including means controlled by a high frequency current of one frequency characteristic to accelerate the drive of the clock from the driving motor, means for stopping the synchronous motor drive of said clock when it reaches a certain chronological condition, and means controlled by a high frequency current of another frequency characteristic for resuming normal operation of said clock by the low frequency power current.

2,101,433

APPARATUS FOR GUIDING PAPER FORMS

Philip A. Jackson, Dayton, Ohio, assignor to William C. Lamprechter, Cleveland Heights, Ohio, trustee

Application April 25, 1936, Serial No. 76,379
6 Claims. (Cl. 197—126)



1. An attachment for a writing machine comprising in combination, a standard, a guide bar carried thereby, a table, rollers journalled in the table and engaging the guide bar and an oscillatable bar also mounted on the standard and engaging the table.

2,101,434

VISE

Howard Milton Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada

Application December 19, 1936, Serial No. 116,833
3 Claims. (Cl. 29—89)



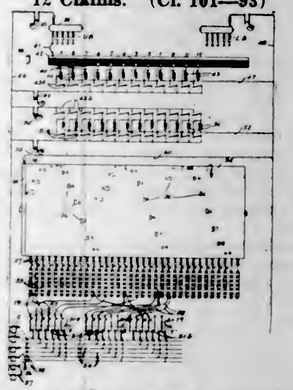
1. Device for shearing rivets in a pair of riveted members comprising a base having a transverse slot in its top face shaped to receive and hold one of said members whereby the other member rests flat upon the top face of said base, an element slidable on the top face of said base and having an overhanging lip adapted to engage the edge portion of said other member, and means for preventing tilting movement of said first-mentioned member during the rivet-shearing operation comprising adjustable strips carried by said slidable element and depending on either side of said base, said strips having flanges adapted to extend under said first-mentioned member and closely adjacent thereto.

2,101,435

RECORD CONTROLLED PRINTING MECHANISM

William Lang, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application December 28, 1934, Serial No. 759,488
12 Claims. (Cl. 101—93)



1. A printing mechanism for completely printing a word under control of a single perforation in a record card, including means for sensing a perforation, individual type carriers for the different letters of the word and means controlled by said sensing means for effecting printing selection of the different letters of the word at different times during a cycle of operation of the mechanism.

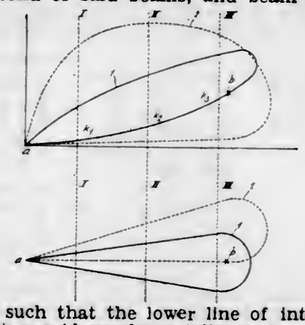
2,101,436

DIRECTIVE SIGNALING

August Leib, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 26, 1934, Serial No. 737,010
In Germany July 26, 1933
4 Claims. (Cl. 250—11)

3. In a device for directing an airplane to a blind landing, means for producing two directional beams of modulated wave energy, one of said beams having a lateral wall of its envelope of uniform field intensity which approximately bisects the uniform field intensity envelope of the second of said beams, and beam focussing



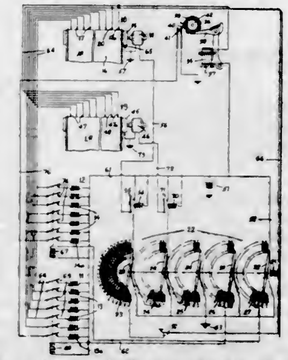
means such that the lower line of intersection of the two said envelopes follows a curved path approaching the earth at a diminishing rate and is substantially tangent thereto at the point at which it is desired to land.

2,101,437

SYSTEM OF OPERATION OF TYPEWRITERS

Walter S. Lemmon, New York, N. Y., Clyde J. Fitch, Jersey City, N. J., and Richard F. Walz, New York, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 16, 1934, Serial No. 753,254
4 Claims. (Cl. 197—20)



1. In a system of the class described, a plurality of typewriters, a plurality of perforated record control sheets, individual sensing means cooperating therewith, typewriter selecting means, a rotary control switch comprising banks of individual contacts and associated brushes adapted to cooperate with the corresponding contacts, said typewriter selecting means associated with certain of said contacts, and means under control of one of the said sensing means and control sheets to position said brushes to select certain of said typewriters in accordance with the sensed perforations.

2,101,438

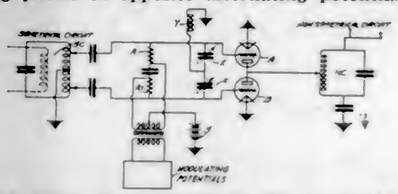
NEUTRALIZED COUPLING CIRCUIT

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 27, 1935, Serial No. 8,447
20 Claims. (Cl. 179—171)

1. In a relaying system, a symmetrical circuit arranged to be energized by alternating poten-

tials to be relayed, a non-symmetrical circuit, a pair of electron discharge tubes each having an anode, a cathode and a control grid, a circuit connecting the anodes of said tubes together and to said non-symmetrical circuit, leads connecting points of opposite alternating potential on



said symmetrical circuit to like electrodes in said tubes, and reactances tuned to the frequency of the wave to be relayed connecting like electrodes in said tubes to ground to prevent energy in said non-symmetrical circuit from reacting through said tubes on said symmetrical circuit.

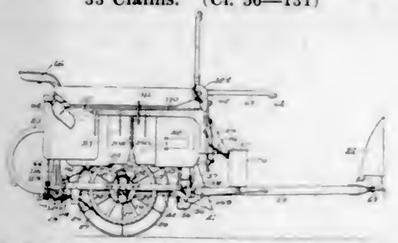
2,101,439

GRAIN BINDER

Alexus C. Lindgren, Chicago, and Clemma R. Raney, Riverside, Ill., assignors to International Harvester Company, a corporation of New Jersey

Application November 14, 1935, Serial No. 49,780

33 Claims. (Cl. 56—131)



1. A grain binder having a main frame, a platform carried thereby including a conveyer, a sickle carried by the platform, an elevator carried at one end of the platform including conveyers receiving cut grain from the platform conveyer, a main power shaft carried on the frame, means for driving said shaft, a gear box carried on the frame enclosing gearing driven from said power shaft, and three separate shafts journaled respectively at one end in said box and driven by said gearing, one of said separate shafts extending transversely of the line of draft and connected to drive the platform conveyer, another shaft extending horizontally and longitudinally to drive the sickle, and the last shaft being inclined longitudinally upwardly to drive the elevator conveyers.

2,101,440

SHORT WAVE RADIO TRANSMITTING APPARATUS

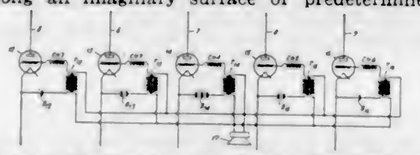
Alfred Aubyn Linsell, London, England, assignor to Radio Corporation of America, a corporation of Delaware

Application April 9, 1935, Serial No. 15,384

In Great Britain April 28, 1934

6 Claims. (Cl. 250—17)

1. A very short wave radio transmitting apparatus comprising means for generating and projecting a polarized beam of very short wave radiation in a predetermined direction, a conductor system comprising a plurality of energy absorbing conductors extending across the path of said beam, said conductors being arranged side by side along an imaginary surface of predetermined



shape and being so arranged as to alter the beam passing said conductor system, and means for differently varying the effective impedance of several of said conductors in accordance with desired modulating currents.

2,101,441

RHEOSTAT OR POTENTIOMETER

Jesse Marsten, Philadelphia, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware

Application January 12, 1934, Serial No. 706,343

27 Claims. (Cl. 201—55)



1. In apparatus of the class described, an insulating base, a bushing in said base, a shaft mounted in said bushing, a disc of insulating material mounted on said shaft, a metallic disc mounted on said insulating disc, a plurality of fingers integral with said metal disc, a horseshoe shaped piece of resistance material mounted on said base contacted by said plurality of fingers, a terminal and lead connected near one end of the horseshoe to said resistance material, and a lead connected at an intermediate portion of the horseshoe and comprising a metallic plate under said resistance material having ears extending therefrom and in contact with marginal edge portions of said resistance material, whereby a smooth unbroken path is provided for the contacting ends of the plurality of fingers despite the connection of the lead at an intermediate portion of the horseshoe.

2,101,442

CENTRIFUGAL GRINDING MACHINE

Agustin Martinez B., Mexico, D. F., Mexico

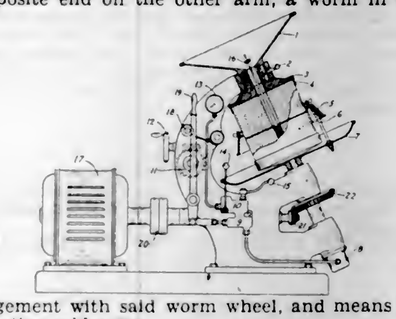
Application August 8, 1935, Serial No. 35,284

In Mexico October 26, 1934

5 Claims. (Cl. 83—7)

1. A centrifugal grinding machine of the friction disk type, comprising two articulated arms disposed in the same vertical plane and each carrying a grinding disk, the upper disk being fixed and the lower one rotary, said disks being disposed in parallel longitudinal alinement in a plane inclined to the vertical and normally having their abutting faces in contact over their entire area, and means for raising one of said arms thereby to separate the disks, said means comprising a worm wheel mounted for rotation on one of said arms, a link eccentrically pivoted at

one end on said worm wheel and pivoted at its opposite end on the other arm, a worm in en-



gagement with said worm wheel, and means for rotating said worm.

2,101,443

AIR BRAKE FOR AEROPLANES

Willy Meinert, Brooklyn, N. Y.

Application March 23, 1937, Serial No. 132,459

1 Claim. (Cl. 244—113)



An aeroplane brake comprising upper, lower and intermediate plates having studs at their rear end edges, guide ways for said studs, said guide ways being disposed at divergent angles whereby said plates are caused to impinge against the air when extended, other guide ways for the return of said studs, gates controlling the path of said studs, and means accessible to an operator to advance or retract said plates.

2,101,444

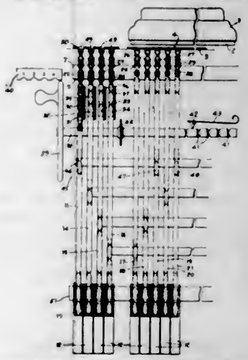
TICKET PRINTING MACHINE

Joseph William Miles, London, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 25, 1934, Serial No. 736,809

In Great Britain August 4, 1933

2 Claims. (Cl. 101—111)



1. A coupon ticket printing machine comprising a plurality of looped indicator bands, each indicator band having a series of visible indications thereon settable to a reading line, a plurality of groups of type carrying bands, each type carrying band of a group carrying type corresponding to the indications of a related indicator band, means for selectively operating an indicator band, means for communicating the movement of said indicator band to one type carrying band of a related group to bring the type thereof in a printing line corresponding to the reading line of the indications on the indicator band, and means for communicating the movement of the selected indicator band to the other type carrying band of the group to present the type thereof to another printing line.

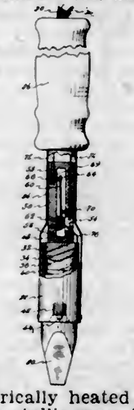
2,101,445

AUTOMATIC CONSTANT HEAT ELECTRIC SOLDERING IRON

Edmund B. Moore, Brooklyn, N. Y.

Application June 21, 1934, Serial No. 731,634

6 Claims. (Cl. 219—26)



4. In an electrically heated hand tool, a hollow housing, a metallic mass having an electric heating element within and toward an end of said housing, a work tip attached to the outer end of said mass, in intimate thermal contact therewith and extending from said housing, and a bi-metal thermostatic switch in circuit with said electric heating element attached to and extending without said mass, but disposed within said housing, said thermostat having a thermal relationship with said mass substantially equivalent to the thermal relationship of said work tip with said mass.

2,101,446

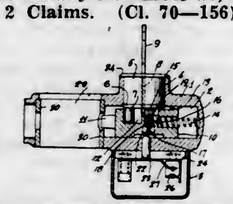
SAFETY LOCKING DEVICE

Abram Nelman, Cologne-on-the-Rhine, Germany

Application September 8, 1936, Serial No. 99,901

In Germany November 29, 1934

2 Claims. (Cl. 70—156)



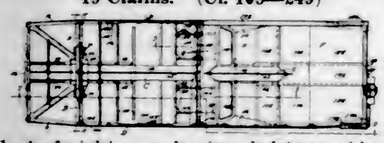
1. In a key-operated lock, a spring-projectible bolt, key-operated means for partially projecting said bolt, said key projecting into the path of said bolt, and means carried by said bolt whereby, in cooperation with said key, said bolt is prevented from travelling to the fully projected position and whereby upon removal of said key from said lock the bolt will be automatically fully projected.

2,101,447
THERMOSTATIC SPEED CONTROL
Samuel R. Oldham, Elizabeth, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application February 28, 1934, Serial No. 713,248
17 Claims. (Cl. 200—80)



1. In a speed governor for a motor, a fixed contact, a movable contact, and a rotatable member adapted for controlling an electric power circuit, means movable longitudinally of the rotatable member for moving the movable contact for breaking the circuit in response to changes in the rotational speed of the said member, and means for selectively regulating the speed of the rotatable member at which the last-named means becomes operative, the said regulating means comprising a thermomotive member adapted to assume various curvatures in accordance with variations in heat imparted thereto, and a heating member associated with the latter and disposed in an electric heating circuit.

2,101,448
HOPPER CAR
Allen E. Ostrander, Larchmont, N. Y., Robert W. Joy, Berwick, Pa., and Adolph Kassler, New York, N. Y., assignors to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1935, Serial No. 34,200
19 Claims. (Cl. 105—249)



1. A freight car having bolsters, side wall plates formed with integral channel portions adjacent the bolster ends, additional side wall plates overlapping said channel to form box section side stakes, a part of the lower portion of the stake being omitted and a bolster plate secured to said stake and side wall plates, thereby replacing the portion of the channel omitted and completing the box section stake.

2,101,449
IMPREGNATED ASBESTOS PRODUCT
Robert E. Parry, North Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. **Application September 27, 1935, Serial No. 42,466**
1 Claim. (Cl. 91—68)

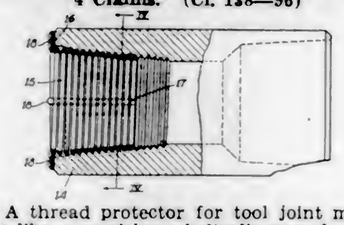
An article of manufacture comprising reenforced strands of asbestos fibres woven into a cloth and a fireproof coloring composition coating the exterior surfaces of the fibres, penetrating interstices within the individual fibres and closing the mesh spaces between the several strands, the said composition including a base medium selected from the group consisting of a vinyl resin and a chlorinated rubber, each of high chlorine content, a plasticizer for the base medium and a pigmentary substance distributed substantially uniformly throughout the said medium, the proportion of the pigmentary substance being of the order of 30 to 40 parts by weight to 8 to 15 parts of the said medium, and the coloring composition being in the condition of having been deposited in situ from a mixture of pasty consistency.

2,101,450
DISPLAY DEVICE
Morris D. Pollinger and Harry J. Watson, Los Angeles County, Calif.; said Watson assignor to said Pollinger
Application February 25, 1935, Serial No. 7,988
4 Claims. (Cl. 211—37)



1. A shoe display support comprising, a crosspiece, a pair of legs carrying said crosspiece and secured to the respective ends of the latter, and a tongue depending from said crosspiece centrally intermediate of said pair of legs and adapted for engaging the counter-portion of a shoe.

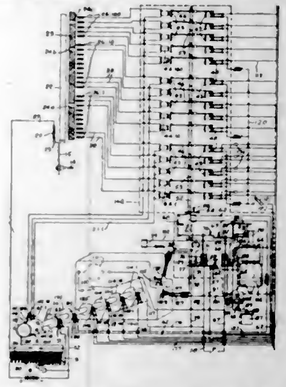
2,101,451
THREAD PROTECTOR
Edward J. Protin, Charlerol, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 1, 1936, Serial No. 98,871
4 Claims. (Cl. 138—96)



1. A thread protector for tool joint members and a like, comprising a helically wound coil having a plurality of radially superposed turns at one end thereof, the said superposed turns being secured together by the fusing of metal thereto in the form of ribs disposed along radially-extending lines.

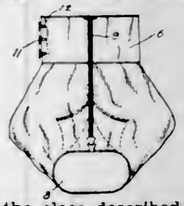
2,101,452
RECORDING SCALE
Konrad Rauch, Dayton, Ohio, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 26, 1933, Serial No. 690,985
15 Claims. (Cl. 234—5.4)

2. In a weighing scale in which load weighing mechanism is provided, the combination of a selectively operable device, means for selectively operating said device in accordance with a load acting on the weighing mechanism, a primary equilibrium control for said means for preventing operation of the latter until the weighing mech-



anism reaches equilibrium, and a secondary equilibrium control for said means for nullifying the selection by said means upon a disturbance of the equilibrium of the weighing mechanism after selection by said means has begun.

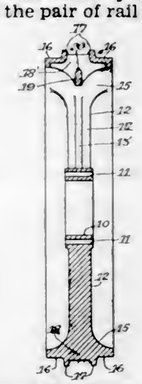
2,101,453
DIAPER
Margerie C. Rhodes, New York, N. Y.
Application January 31, 1936, Serial No. 61,742
1 Claim. (Cl. 128—284)



A diaper of the class described, comprising a substantially rectangular blank constituting a body-engaging portion, the ends thereof constituting flaps to form a waistband when assembled, extensions formed on the opposite side longitudinal edges of said body and located between and adjacent to the flaps, said extensions when assembled forming leg openings, and slide fastening elements on the edges of said extensions and flaps to be engaged to hold the body portion, flaps, and extensions in body engaging position.

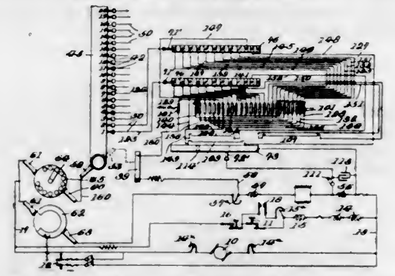
2,101,454
FRONT IDLER WHEEL FOR CRAWLER TRACTORS
Clifford R. Rogers, Oak Park, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 14, 1935, Serial No. 26,659
9 Claims. (Cl. 74—230.3)

1. An integrally formed idler wheel having a hub and spokes radiating therefrom, a rim formed on the outer ends of the spokes and comprising a pair of axially spaced rail portions, a rim portion lying radially in the plane of the wheel between the rail portions and carried on the spokes radially inwardly of the rail portions, said rim portion being substantially narrower than the space between the pair of rail portions, said spoke



ends being connected between the rail portions by means forming cross webs.

2,101,455
GROUP SELECTOR FOR SORTING MACHINES
Ernest Rose, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 20, 1934, Serial No. 758,531
23 Claims. (Cl. 209—110)

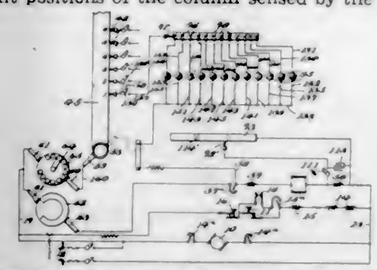


1. In a record controlled machine, a machine control element, a circuit therefor; a pair of commutators associated with said circuit, each commutator associated with one of a pair of columns in the controlling records in which pair of columns a classification number comprising one or more digits is recorded; and a unitary control device cooperating with said circuit and said commutators and including a single setting member settable in accordance with a predetermined classification number which may comprise one or more digits and controlling said device to cause the control element to be operated in accordance with both the records having the predetermined classification number and a predetermined number of other classifications according to a predetermined system.

2,101,456
SELECTOR FOR SORTING MACHINES
Ernest Rose, Washington, D. C., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 9, 1935, Serial No. 5,804
3 Claims. (Cl. 209—110)

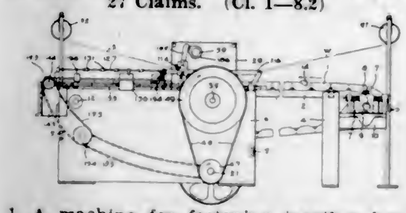
1. In a sorting machine, sorting mechanism including a single magnet for selectively controlling

the sorting mechanism, a series of record sensing brushes each sensing the index-point positions of one of the columns of a field in which record identifying designations representing serial numbers or the like are placed; a series of sorting control circuits connecting said brushes to said magnet, each sorting control circuit being connected to a single brush and consisting of a selecting commutator having a series of fixed commutator segments valued according to the respective index-point positions of the column sensed by the par-



ticular brush to which the sorting control circuit is connected, and a series of switches, one switch for each bar, for connecting the bars of each series directly to the sorting magnet; and a keyboard comprising a plurality of banks of manually depressible keys, each bank being associated with the series of switches of one sorting control circuit and operating said switches to open same whereby the sorting magnet is controlled in accordance with numbers and the like set up on said keyboard.

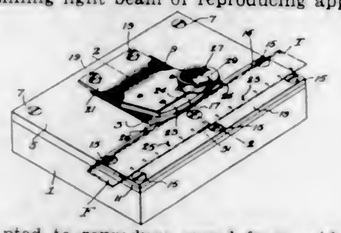
2,101,457
BOX MAKING MACHINE
Alfred L. Rosenmund, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application August 21, 1935, Serial No. 37,107
27 Claims. (Cl. 1—8.2)



1. A machine for fastening together box or crate parts comprising, in combination, a drive shaft rotatable about a fixed axis, work-feeding means, a carriage reciprocable in the direction of movement of the work, fastener setting mechanism on said carriage, a shaft to operate the fastener setting mechanism, said shaft being rotatably mounted on the carriage substantially parallel to the drive shaft and reciprocable with the carriage, and means to drive the latter shaft from the drive shaft.

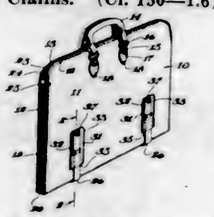
2,101,458
TRIMMING DEVICE
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1935, Serial No. 42,629
6 Claims. (Cl. 164—50)

6. The invention set forth in claim 2 characterized in that the strip locating means is so arranged as to locate the strip with its sound track overlying the arcuate cutting edge of said fixed blade a distance sufficient to enable said movable blade to remove said track slightly beyond the limit of the area thereof covered by the scanning light beam of reproducing appara-



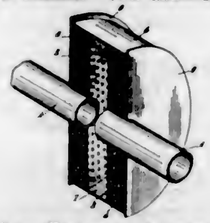
tus adapted to reproduce sound from said record, and the length of the notch formed in said strip being such that the time interval for passing said notch past said scanning beam is longer than the period of the lowest frequency that may be reproduced by said reproducing apparatus.

2,101,459
BRIEF CASE CONSTRUCTION
William Satz, New York, N. Y.
Application March 5, 1937, Serial No. 129,231
9 Claims. (Cl. 150—1.6)



1. In a brief case construction including side walls connected by gussets adjacent end and bottom peripheral edges of the side walls, one of which gussets forms the bottom, straps for supporting the bottom, the free ends of the straps being resiliently suspended to the side walls of the brief case adjacent the bottom portions thereof, to accommodate the suspension of the bottom to the distention or contraction of the brief case walls to and from each other.

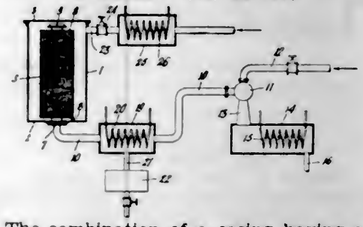
2,101,460
SOUND MUFFLING DEVICE
Ulrich Schmidt, Berlin-Wilmersdorf, Germany
Application April 25, 1935, Serial No. 18,083
In Germany December 17, 1932
6 Claims. (Cl. 181—48)



1. A sound muffler comprising a conduit providing a substantially unobstructed gas flow and having a circular opening, a closed imperforate annular chamber surrounding said conduit, a plurality of perforated partition walls arranged

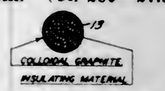
substantially transversely to said conduit and dividing said chamber into a number of adjacent compartments, and packings of sound absorbing material filling alternate compartments, the central non-filled compartment having a width equal to said opening and communicating therethrough with said conduit to provide an acoustic coupling path therebetween and said conduit.

2,101,461
EXTRACTING AND DRYING SYSTEM
Ernest A. Stienen, New York, N. Y.
Application December 27, 1934, Serial No. 759,343
2 Claims. (Cl. 34—30)



1. The combination of a casing having a bottom wall and a cover for a material to be dried, a hollow perforated beam in the casing bearing on its bottom wall for supporting the material to be dried, a pipe to lead an inert gas into the casing, means to heat said inert gas before entering the casing, perforated piping to lead steam into the casing, a steam coil in the casing, a pipe leading from an opening in the bottom wall of the casing, a pre-cooling condenser connected to the latter pipe to condense steam flowing therethrough, a discharge pipe extending from said pre-cooling condenser to lead condensed steam therefrom, a steam jet evacuator for producing a vacuum in the casing, a pipe connecting the pre-cooling condenser and the steam jet evacuator, an outlet extending from the steam jet evacuator, a condenser connected to said outlet, a cooling coil in the latter condenser and an outlet for the latter condenser.

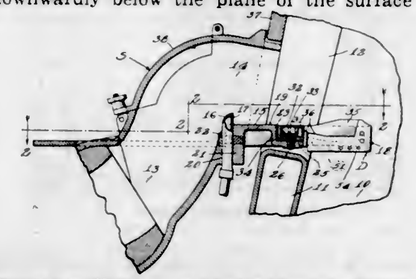
2,101,462
GRID
Russell H. Varian, San Francisco, Calif., assignor to Farnsworth Television Incorporated, a corporation of California
Application March 13, 1935, Serial No. 10,892
1 Claim. (Cl. 250—27.5)



A thermionic tube grid having a relatively high resistance to high frequency alternating currents and a relatively low resistance to direct current comprising a non-conducting vitreous foundation and a surface layer of graphite.

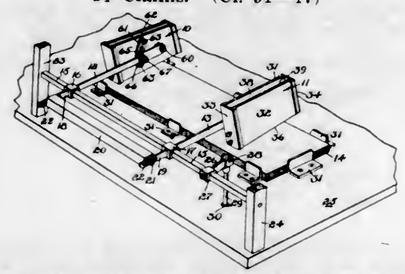
2,101,463
SECTIONAL FUEL DISTRIBUTOR
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Application November 24, 1933, Serial No. 699,525
4 Claims. (Cl. 110—101)

3. A sectional fuel distributing plate for stokers comprising a front section and a rear section, each of said sections having a fuel supporting surface, the forward portion of said rear section being provided with a recess intermediate the sides thereof, ledge-like supporting means extending forwardly from said rear section, below the level of its fuel supporting surface and between the sides and inner edges of said recess, said supporting means carrying a plurality of upstanding threaded projections, the portion of the fuel supporting surface of said rear section on each side of said recess sloping forwardly and downwardly below the plane of the surface of



the rear section rearward of said recess, the rearward portion of said front section being provided with a rearward extension fitted in said recess and seated on said supporting means, said rearward extension engaging said threaded projections, and a threaded member engaging each of said threaded projections for firmly securing the front section to the rear section, said front section having lateral extensions lying in a plane below the surface thereof and forming pockets therewith, said extensions forming continuations of the sloping portions of said rear section.

2,101,464
ADHESIVE APPLYING DEVICE
Paul Arndt, Los Angeles, Calif.
Application August 14, 1936, Serial No. 96,069
14 Claims. (Cl. 91—47)

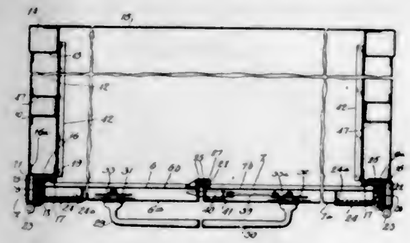


1. In a device for applying a fluent adhesive to a surface, a container for the adhesive, an adhesive applying member carried by the container, means for swinging the container angularly toward a surface upon which the adhesive is to be applied, means forming a series of apertures through which adhesive is supplied from the container to the applying member, and means for ensuring that the adhesive will be uniformly supplied to the applying member from the container through the series of apertures.

2,101,465
STORAGE CABINET
Harry F. Beers, Pelham, N. Y.
Application March 22, 1935, Serial No. 12,424
5 Claims. (Cl. 312—189)

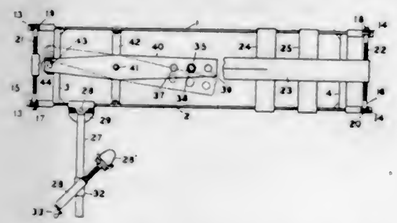
1. A cabinet of the class described having sealed top, bottom, side and back walls, the

front of the cabinet being open, the peripheral edges of the top, bottom and side walls of the cabinet adjacent the front opening having a continuous channel arranged within the front surface of the cabinet, a strip of sponge rubber arranged in and extending throughout the length of said channel, said strip being substantially triangular in cross sectional form with the thick part of said strip arranged centrally of the



channel, a closure for the opening of said cabinet, said closure having projecting flanges adapted to engage said strip throughout the peripheral edges of the closure to form an air-tight connection between the closure and said cabinet, and means movably mounted in connection with the closure and engaging the cabinet to forcibly move the projecting flanges of the closure into firm engagement with said strip.

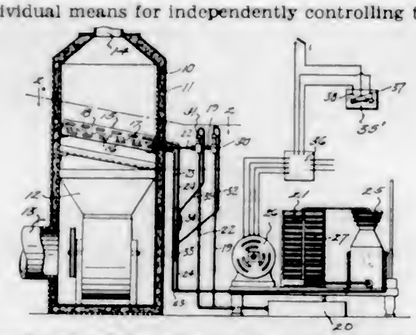
2,101,466
ORTHOPEDIC TABLE
William L. Bell, Oakland, Calif., assignor to Gilbert Hyde Chick, Oakland, Calif.
Application February 14, 1936, Serial No. 63,937
4 Claims. (Cl. 128—84)



1. An orthopedic table including a relatively narrow, taut, flexible strip, suspended above said table; a horizontal beam on a vertical pivot on said table, and having a perineal post in operative relation to said strip.

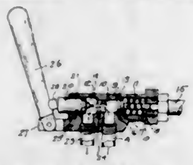
2,101,467
AIR CONDITIONING UNIT
Thomas W. Carraway, Dallas, Tex., assignor to Carraway Engineering Company, Inc., Dallas, Tex., a corporation of Delaware
Application March 21, 1935, Serial No. 12,153
7 Claims. (Cl. 62—129)

1. An air conditioning unit comprising a casing, means for passing air to be conditioned through said casing, a plurality of separate cooling elements within the casing successively through which the air is passed, the refrigerant being maintained at substantially the same temperature in the several cooling elements, and individual means for independently controlling the



supply of refrigerant to each cooling element according to the load imposed on each element.

2,101,468
OIL DISPENSER
Arthur L. Dale, Tacoma, Wash.
Application September 11, 1935, Serial No. 40,086
2 Claims. (Cl. 277—20)

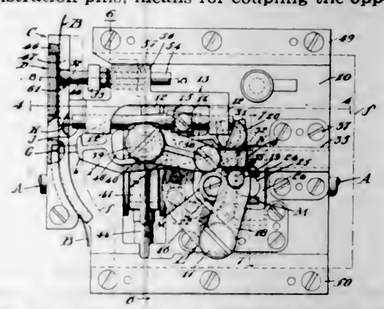


1. A control apparatus for an oil dispenser, having an air pressure line, an air-supply pipe, and a relief pipe attached thereto and comprising a fixed body having three connected chambers therein, the air pressure line entering the first chamber, the air-supply pipe entering the central or second chamber, and the relief pipe entering the third chamber; valve seats formed between said chambers, said valve seats opening outward from the central chamber; an automatic valve adapted to normally close the connection between said first and second chambers; a plug valve lying in the third chamber and normally open, thereby connecting the air-supply pipe with the relief pipe but adapted to be moved to close said connection; and a push rod adjustably mounted on said plug valve and extending inward therefrom into adjustable spaced relation with said automatic valve, whereby said automatic valve is engaged, after the said plug valve has closed off connection between the air-supply pipe and the relief pipe, to open said automatic valve a predetermined amount to connect the air pressure line with the air-supply pipe.

2,101,469
FILM MOVING MECHANISM
Herman Ray Ellinwood, Los Angeles, Calif.
Application February 11, 1935, Serial No. 5,923
13 Claims. (Cl. 88—18.4)

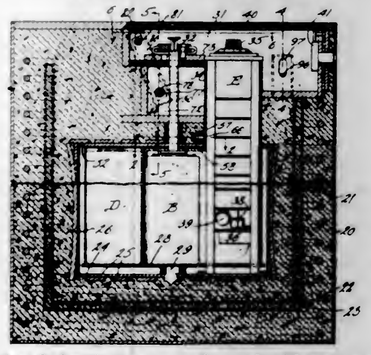
1. In a film movement the combination of a film guide, a claw arm adapted to intermittently move film in said guide, means for actuating said arm, a slide, a link attached to said arm connected to said slide operating to transfer longitudinal components to said slide moving along a plane perpendicular to the plane of said film guide, a pivot pin mounted on said slide, a lever supported on said pin intermediate its ends, means for coupling one end of said lever to said

claw arm to transfer components of motion parallel to the axis of the aforementioned slide, film registration pins, means for coupling the opposite



end of said lever to said film registration pins in such a manner that while the film engaging claw arm is out of engagement with the film said registration pins are engaged with film perforations.

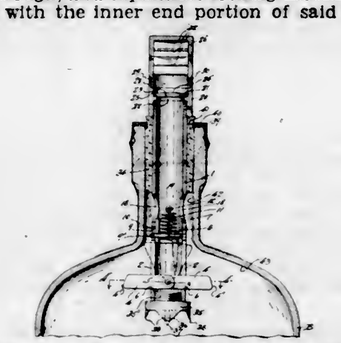
2,101,470
SAFE
Charles K. Ernst, Buffalo, N. Y.
Application January 3, 1936, Serial No. 57,380
16 Claims. (Cl. 109—1)



1. A safe having a space for valuables arranged in the interior thereof, means for locking said safe to prevent access to said valuables space, a passage in said safe and terminating at its inner end in said valuables space and through which articles may be deposited in said valuables space when said safe is locked, and means for closing said passage to prevent access to said valuables space through said passage, said means being movable into open position only when said means for locking said safe are unlocked.

2,101,471
NONREFILLABLE BOTTLE TAPPING DEVICE
Martin Greenbaum, Newark, N. J.
Application May 2, 1936, Serial No. 77,497
7 Claims. (Cl. 225—22)

7. Means for tapping a bottle through its original closure, comprising a cylindrical body having an outgoing passage to communicate with the bottle interior, an outwardly opening check valve in said passage, a discharge spigot at the outer end of said body adjacent to said check-valve, a freely rotatable turbine within said discharge spigot to prevent tampering access to said check-valve through said spigot, a cutter means at the inner end of said body for perforating the original bottle closure to admit passage of said body therethrough, and expansible locking means connected with the inner end portion of said body

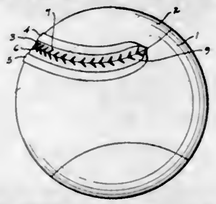


for engagement beneath the bottle shoulders below the bottle neck thereby to inviolably secure said body in operative attachment to the bottle until the latter is destroyed.

2,101,472
ANTIFREEZING MEANS
Frederick A. Kormann, Glendale, Calif.
No Drawing. Application November 20, 1934, Serial No. 753,904
3 Claims. (Cl. 134—27)

1. A surface coating for preventing the adherence of ice consisting of glycerol, and a collagenous material in the approximate proportions of eight parts of the glycerol and four parts collagenous material, said coating being characterized by having the property when applied of exuding glycerol.

2,101,473
BLIND STITCH PLAY BALL
George S. Lannom, Jr., Grinnell, Iowa, assignor to The Lannom Manufacturing Company, Grinnell, Iowa
Application October 16, 1935, Serial No. 45,179
3 Claims. (Cl. 273—60)



1. A blind stitch play ball consisting of a ball slug of relatively tough base material, a cover therefor cut into the form of two 8 shaped leather cover members; said cover members each having adjacent edges slit with the edge portions below the slits stitched together, a coat of latex vulcanized over said stitches and the edge portions of said cover members above the slits sealed down over the stitches to conceal and protect the same.

2,101,474
SUPPORTING DEVICE
Barnet S. Minters, Elmhurst, N. Y.
Application August 2, 1934, Serial No. 738,056
3 Claims. (Cl. 248—163)

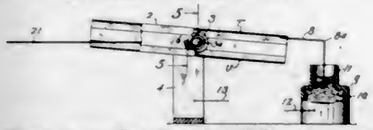
3. A support comprising a plurality of similar members each having a corner portion, and arms

diverging at an angle of 60°, the arms of each member contacting adjacent arms of adjacent members to form a triangular frame, one arm of each member having a plurality of openings, the other arm of said member having an extension adapted to be received in one of the openings of



an arm of an adjacent member, each pair of contacting arms having registering openings, a bolt extending through said registering openings, the corner portion of each member being formed with a tapped opening, and a pipe screwed within each tapped opening.

2,101,475
THERMAL CONTROL SWITCH
Oscar Joel Ostlind, Portland, Oreg.
Application October 13, 1936, Serial No. 105,372
15 Claims. (Cl. 200—140)



4. Heat control apparatus defined in part as a pivot point that is movable by heat sensitive apparatus, a wheel member spaced from said pivot point by a reach-rod that is effective to throw a switch by disturbing the balance of said switch upon movement of the wheel by the reach-rod and a carriage for the switch that is movably mounted to change the position thereof and thereby change the temperature range of operation of the switch without adjusting said heat sensitive apparatus.

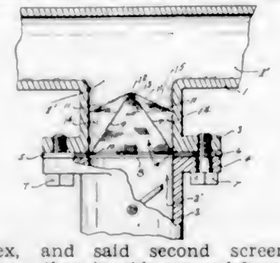
2,101,476
LEAF LOCK FOR OPHTHALMIC MOUNTINGS
Henry C. Petersen, Hillside, N. J., assignor to Lowres Optical Manufacturing Co., Newark, N. J., a corporation of New Jersey
Application May 22, 1936, Serial No. 81,259
4 Claims. (Cl. 88—47)



1. An ophthalmic mounting for spectacles and eye-glasses comprising a lens strap having arms for engaging opposite sides of the lens, one of said arms having a threaded aperture therethrough for receiving a lens screw and being vertically slitted, thereby providing inner and outer relatively yieldable arm portions, and a leaf lock pivotally mounted within said slit and having tapered surfaces for pressing said arm portions apart to thereby bind the same upon said lens screw.

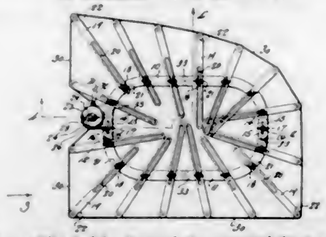
2,101,477
GAS MIXER
Gerald A. Pickett, McKenzie Bridge, Oreg.
Application August 31, 1935, Serial No. 38,785
1 Claim. (Cl. 48—180)

In a gas mixer, a connection provided with a passageway, a conical screen having its base mounted to the walls of the passageway in the connection and having its apex positioned above the connection, a second conical screen extending upright from its base and mounted upon the



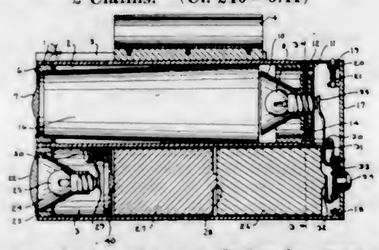
first apex, and said second screen having greater taper than its sides spaced from the sides of the first and having its basal perimeter substantially equal to that of the first screen.

2,101,478
ADJUSTABLE TEMPLET
Frederick Reich, Elizabeth, N. J.
Application March 20, 1936, Serial No. 69,794
10 Claims. (Cl. 33—176)



1. An adjustable templet, comprising a frame, a plurality of extensibly and angularly adjustable caliper bars radially extending from said frame, means to clamp said caliper bars in adjusted positions, the outer extremities of said caliper bars having guide means, a removable and extensible scribing guide cable to extend over said guide means and around the templet device.

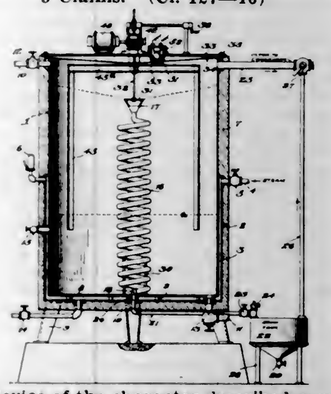
2,101,479
NIGHT TARGET RANGE FINDER
Cleveland H. Schenk, Springfield, Ill.
Application March 22, 1935, Serial No. 12,342
2 Claims. (Cl. 240—6.41)



1. A night target range finder for guns comprising a two compartment casing provided along the top with an elongated resilient grip slidably secured to the casing for engaging a gun barrel for the support of the casing, the upper of said compartments in the casing provided with a light, an adjustable mounting for the light, with a plurality of adjusting screws; said mounting

with said light disposed adjacent the rear of the top compartment in the casing, a lens adjustably mounted in the forward end of said upper compartment; said lens having a central concentrating portion and a peripheral portion having plane parallel faces and an adjustable reflecting tube extending a major portion of the distance from said lens to said light and having a greater diameter at the rear end than the front end, an integral second and lower compartment in said casing, an electric light mounted adjacent the forward end of said compartment, and lens means cooperating with said light, batteries mounted in said casing and operatively connected with both of said electric lights and an electric switch operatively connected in the circuit between said batteries and said lights for the selective control of said lights; whereby the operator may turn on either light by itself or both lights together and whereby said upper light with its lens may focus a bright spot of light on a target and whereby a flood of light may be thrown about said focused spot of light when desired.

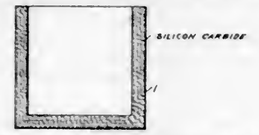
2,101,480
APPARATUS FOR CLARIFYING SACCHARINE LIQUIDS
David F. Smith, Takoma Park, Md.
Application April 26, 1935, Serial No. 18,467
5 Claims. (Cl. 127—16)



3. A device of the character described comprising in combination a vessel, a steam-jacket for heating said vessel, vacuum connections to said vessel, a removable cover for the vessel, a stirrer rotatably mounted in, and depending from, said cover and adapted to impart a centripetal movement to the scum, means to rotate the stirrer mounted upon the cover, a flexible discharge-coil mounted within the vessel concentric with the stirrer, means for adjusting the height of the discharge-coil, a scum-tank, connections from the discharge-coil to the scum-tank, and connections from the scum-tank to the said first mentioned vacuum connections.

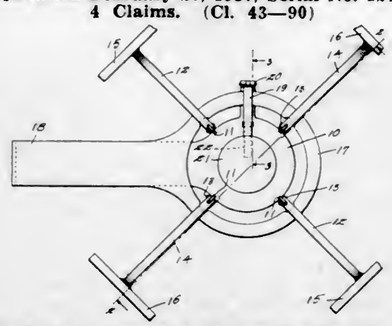
2,101,481
HEAT TREATING CONTAINER
Harold J. Stein, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Continuation of application Serial No. 622,238, July 13, 1932. This application May 12, 1936, Serial No. 79,312
4 Claims. (Cl. 263—48)

1. A container for use in heat treating metallic articles with gases evolved at high temperatures from a heat treating compound in which the articles are embedded, said container being com-



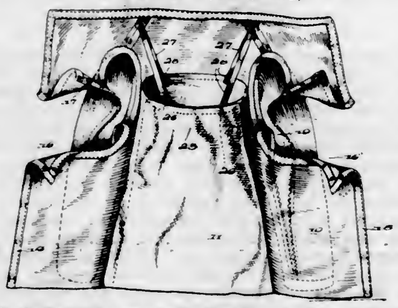
posed of granular silicon carbide, and a ceramic bond, the bonded mass having a heat conductivity substantially higher than that of fire clay.

2,101,482
ANIMAL TRAP
Julius Tschantre, New City, N. Y.
Application February 23, 1937, Serial No. 127,238
4 Claims. (Cl. 43—90)



1. A trap comprising a base member, a plurality of opposed arms pivoted to said base member, jaws carried by the free ends of said arms and extending at right angles to the length thereof, said jaws being longitudinally curved with the concave sides thereof in confronting relation when said jaws are in clamping position, an annulus engaging beneath said arms when in opened or set position, a substantially U-shaped spring having one leg thereof secured to said base and the other leg thereof secured to said annulus, and releasable holding means carried by said base for holding said annulus in set position.

2,101,483
BURIAL GARMENT
Hazel H. Woods, Greenville, Ohio, assignor of forty-eight per cent to Adam W. Lynn, Arcanum, Ohio
Application August 17, 1936, Serial No. 96,529
2 Claims. (Cl. 2—64)



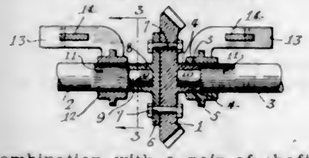
1. A burial garment having front, side and sleeve portions, said front portion having a longi-

tudinal opening which extends throughout the length of the garment, said sleeve portions having longitudinal openings extending throughout the length of the sleeve, a transverse opening in the said front and openings in the said sides of said garment for connecting and communicating with the said transverse openings and the openings in the sleeve portions.

2,101,484

CLUTCH MECHANISM

Denis Vermette, Montreal, Quebec, Canada
Application May 10, 1937, Serial No. 141,720
1 Claim. (Cl. 192—48)

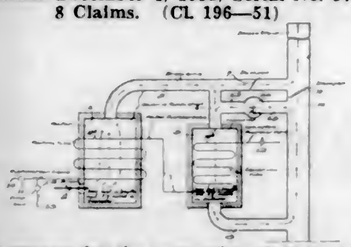


In combination with a pair of shafts having clutch elements formed thereon, an intermediate member between said shafts, clutch members formed at opposite sides of said intermediate member and complementary to the first-named clutch elements, a coupling device associated with each clutch element and the complementary clutch member, an arm extending from each coupling device, a guided shifting plate slidable transversely through each arm, each plate having an oblique slot, an extension from each arm into the corresponding slot, and means for separately sliding said plates, springs associated with said plates and adapted to move each plate in a given direction, one spring being adapted to move its plate in the clutching direction and the other to move its plate in the declutching direction.

2,101,485

PROCESS AND APPARATUS FOR THE CONVERSION OF HYDROCARBON LIQUIDS AND GASES

Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application December 4, 1931, Serial No. 579,044
8 Claims. (Cl. 196—51)

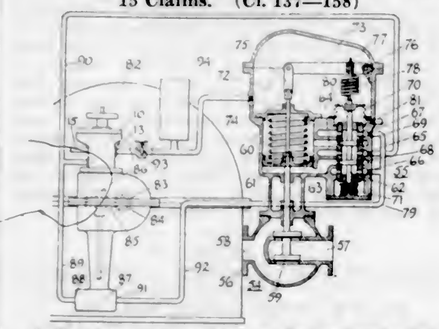


3. A process for the conversion of hydrocarbon fluids, comprising passing a hydrocarbon fluid through a portion of a tube in a heating chamber, generating gases of combustion in said chamber and contacting said gases with said portion of the tube for heating the fluid to conversion temperatures, passing the fluid from said portion of the tube while so heated through a conversion portion of the tube arranged in a conversion chamber, discharging the gases of combustion from the heating chamber and dividing the discharged gases into first and second streams, discharging the first stream from the process, passing the second stream through the conversion chamber, and recirculating without reheating a portion of the second stream from the heating gas outlet of the conversion chamber back into the second stream as the latter enters the conversion chamber.

2,101,486

PRIME MOVER GOVERNING SYSTEM

Victor I. Zelov, Rosemont, Pa., assignor to Co-operative Engineering Co., Philadelphia, Pa., a corporation of Delaware
Application April 3, 1935, Serial No. 14,404
15 Claims. (Cl. 137—158)

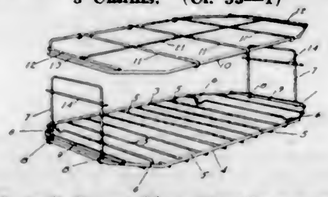


1. In a governing system for a prime mover having an admission valve and means for operating the admission valve and including a pressure-responsive control device, a combination of means for developing centrifugal forces varying as a function of the speed of the prime mover, a plunger construction having an abutment for receiving said centrifugal forces and having a plurality of pressure faces, a housing around the plunger construction defining pressure chambers with said pressure faces, means responsive to an operating condition other than the speed of the prime mover and providing an external control fluid pressure varying as a function of said operating condition, means to conduct said external control fluid pressure to one of said pressure chambers, means including said plunger and responsive to centrifugal force and said external control fluid pressure to provide a secondary fluid pressure, means for supplying fluid under secondary pressure to the second of said pressure chambers to balance the centrifugal and the external control fluid pressure, and means for supplying fluid under secondary pressure to said pressure-responsive device.

2,101,487

RACK FOR COOKING UTENSILS

Carl R. Anderson, Erie, Pa., assignor to The Griswold Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application February 12, 1936, Serial No. 63,513
3 Claims. (Cl. 53—1)

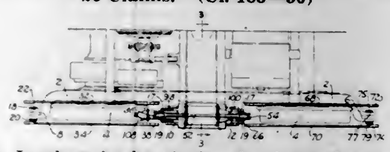


1. A rack for cooking utensils comprising a wired grid comprising a surrounding frame and cross bars; wire handles in the form of U shaped bails having eyes at their ends through which the bails are pivotally secured on the rack frame in foldable relation to the rack; and a top rack formed of wire comprising a surrounding frame and spacing wires extending from edge to edge of the frame, the said rack having cross bars adjacent to the ends of the frame providing slots for receiving the handles, said handles having cross wires extending from side to side of the bail forming positioning stops for the top rack and bracing the bail.

2,101,488

CLASP BRAKE

Walter H. Baselt, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 28, 1935, Serial No. 56,513
26 Claims. (Cl. 188—56)

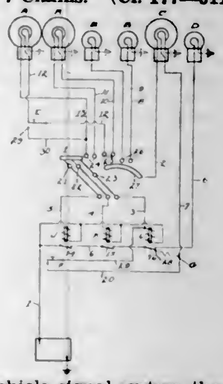


1. In clasp brake rigging for four wheel railway car trucks, the combination of a truck frame, dead truck levers pivotally supported from said truck frame outwardly of the wheels thereof, live truck levers supported intermediate the wheels, straps connecting the lower ends of the live and dead truck levers for each wheel, a brake head pivotally mounted on each of said live and dead truck levers intermediate the ends thereof, hangers carried on said truck frame intermediate the wheels and having their lower ends operatively connected to said live truck levers at the said pivotal points where said brake heads are carried, links connecting the upper ends of said live truck levers to vertically disposed live and dead cylinder levers, a cylinder mounted on said truck intermediate the wheels thereof and having a piston operatively connected to said live cylinder lever, a slack adjuster mounted on said cylinder at the end opposite said piston, and a pivotal connection between said slack adjuster and said dead cylinder lever.

2,101,489

APPARATUS FOR INDICATING AN OPERATIVE CONDITION OF VEHICLE LIGHTS

Harry Lee Black, Toronto, Ontario, Canada
Application May 4, 1935, Serial No. 19,801
7 Claims. (Cl. 177—311)

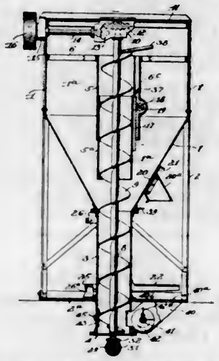


1. In a vehicle signal system the combination of a running light; a circuit therefor; an electromagnet in said circuit; a signal light; a signal light circuit normally open; a switch therein controllable by the electromagnet to close the signal light circuit when the electromagnet is deenergized and thus substitute the signal light for the running light; an indicator light; an indicator light circuit; a switch in said indicator circuit controllable by the electromagnet to close the indicator circuit when the magnet is energized and the running light circuit is operative; a resistance in the circuit of the signal light to dim its maximum luminosity; a shunt circuit connected with the signal light circuit adapted, when closed, to by-pass the resistance and the switch in the indicator circuit; and a switch in the shunt circuit adapted to open and close said circuit.

2,101,490

MIXING MACHINE

Fred J. Bullock, deceased, late of Shortsville, N. Y., by Violet V. Bullock, administratrix, Rochester, N. Y., and Ward H. Preston, Shortsville, N. Y., assignors to Papec Machine Company, Shortsville, N. Y., a corporation of New York
Application May 15, 1936, Serial No. 79,948
15 Claims. (Cl. 259—97)



1. In a mixing machine, a casing having a mixing chamber provided with an outlet, means operable within said chamber to mix the material therein, operating means for said last mentioned means, a support for a container for receiving the material discharging from said outlet, said support being mounted for bodily movement downwardly from a normal inoperative position to a predetermined position under a predetermined weight of material within the container, and means actuated by said operating means for periodically raising the support and the container thereon subsequent to movement of the same to said predetermined position whereby to cause the material to become compacted within the container, said last mentioned means being inoperative with respect to said support except upon movement of the support to said lowered position.

2,101,491

FISHHOOK

Langdon S. Chilcott, Brewer, Maine
Application April 30, 1936, Serial No. 77,229
1 Claim. (Cl. 43—27)

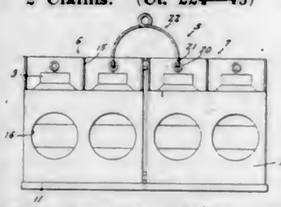
In a fish hook, a single wire having one of its extremities provided with line-attaching means and having its other extremity bent to form a return-bend hook, the single reach of

said wire between said line-attaching means and said return-bend hook constituting a shank the lower portion of which is bent obliquely in one direction and then obliquely in the other direction, providing a V-formation whose upper and lower arms extend above and below the hook point respectively, disposing the crotch of the V substantially opposite said hook point, said V-formation being disposed in a plane at substantially right angles to the plane of said return-bend hook and having both its upper and lower arms laterally unobstructed in all directions, the portion of said shank between said V-formation and said line-attaching means being longer than the vertical width of said V-formation, being straight, being substantially unidirectional



with the pointed end of said return-bend hook and being laterally unobstructed in all directions, said V-formation and said straight shank portion being so proportioned with respect to said return-bend hook that the fish may take said return-bend hook, said V-formation and part of said straight shank portion into his mouth and close his jaws upon said straight shank portion, whereby when a pull on the line causes longitudinal sliding movement of said straight shank portion between the fish's closed jaws with the return-bend hook lying in a plane substantially parallel with said jaws, said V-formation will abut one of said jaws and turn the entire hook to jaw-penetrating position as said V-formation slides outwardly between said jaws.

2,101,492
UTILITY HOLDER
Charles W. Cogswell, Elizabeth, N. J.
Application November 7, 1936, Serial No. 109,777
2 Claims. (Cl. 224—45)



1. A display case and container comprising a pair of container sections hinged together for relative swinging movement into back to back relation, said sections each having a back wall provided with a pair of longitudinally spaced apertures therein, the apertures of one wall registering with those of the other in the back to back relation of said sections, and a handle having hooked ends for insertion into the registering apertures of said pairs.

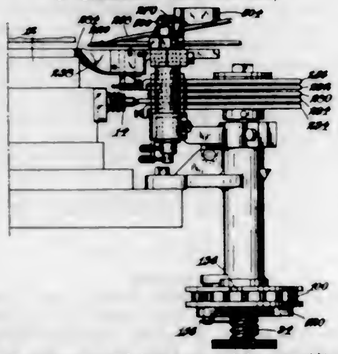
2,101,493
COLLAR CLASP
Arthur W. Crain, Providence, R. I.
Application April 16, 1936, Serial No. 74,764
Renewed June 3, 1937
10 Claims. (Cl. 24—81)

9. A combined collar clasp and necktie holder comprising a frame having oppositely projecting relatively rigid integral arms thereon arranged to engage behind the tabs of the collar, oppositely projecting swingable arms pivoted on said frame for engaging the front of the collar tabs in opposition to said rigid integral arms, tie clasping means mounted on said frame and including opposed elements pivoted on said frame and arranged to encircle the tie when in closed position, said opposed elements being formed with



cams engageable with said swingable arms when said opposed elements are swung from open to closed position so as to clamp said swingable arms against the front of the collar tabs, said frame being U-shaped in cross section and U-shaped in plan, said relatively rigid integral arms projecting laterally outwardly from the ends of the bight of said frame in longitudinal alignment with said bight.

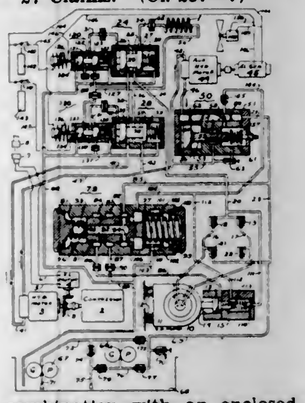
2,101,494
CIRCULAR KNITTING MACHINE
Frederick Edward Deans, Charles Frederick Manger, and George Alfred Buswell, Leicester, England, assignors to The Bentley Engineering Company Limited, Leicester, England, a British company
Application March 4, 1936, Serial No. 67,162
In Great Britain March 14, 1935
3 Claims. (Cl. 66—14)



1. A knitting machine comprising a stitch cam movable between a needle-actuating position and an idle position, a plurality of thread feeders each independently movable between a thread-feeding position and an idle position, thread trapper and cutter devices each associated, respectively, with one of said feeders to trap and cut and to release thread fed from said thread feeder, operating mechanism for operating said stitch cam, thread feeders, and trapper and cutter devices, which operating mechanism during the knitting of an article by the machine is moved from an initial position in a series of steps formed into sections by pauses in the movement of said mechanism at predetermined points in the operation of the machine, driving means for driving said mechanism, stopping means for automatically stopping the driving action of said driving means at the end of each of said sections, starting means for starting said driving action at the beginning of each of said sections, pattern control means, devices on said pattern control means for actuating said starting means, and a correcting mechanism comprising an adjustable

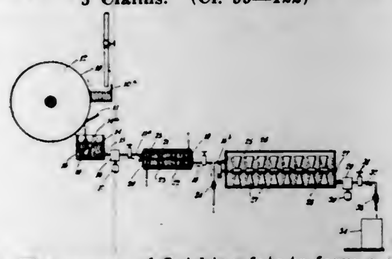
element, operative connections between said element and said operating mechanism arranged to maintain said element normally in operative relation with said starting means but to move said element out of such relation when the said operating mechanism is in its initial position, and a device on the pattern control means for operating said element at a time in the operation of the machine at which the operating mechanism should be in its initial position, whereby if the relation between the pattern control means and the operating mechanism has been disturbed, the starting means will be actuated by said element and will cause the driving means to drive the operating mechanism into its initial position.

2,101,495
HYDRAULIC TRANSMISSION
Walter Ferris and James K. Douglas, Milwaukee, and George H. Fobian, West Allis, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 23, 1935, Serial No. 46,328
27 Claims. (Cl. 257—7)



1. The combination with an enclosed space, and air conditioning apparatus to cool said space, of a hydraulic motor for driving said apparatus, a radiator arranged within said space to cause liquid forced therethrough to heat said space, a pump, means for directing liquid from said pump to said motor and to said radiator selectively, and means for driving said pump.

2,101,496
METHOD OF FINISHING SHORTENING
Truman M. Godfrey Winchester, Mass., and Victor Serbell, Leonia, N. J., assignors to Lever Brothers Company, a corporation of Maine
Application October 2, 1934, Serial No. 746,518
5 Claims. (Cl. 99—122)

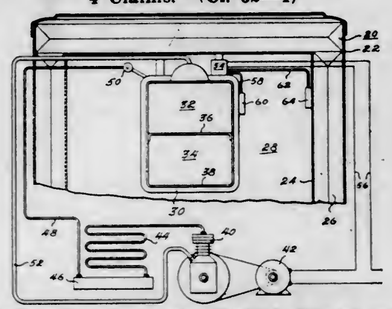


1. The process of finishing fats to form a substantially dry plastic shortening, which comprises chilling the fat to a semi-solid form, aerating the chilled fat, simultaneously heating and agitating the aerated fat, forcing the heated and agitated fat through a small texturizing orifice under pressure, allowing the fat to move slowly without any material addition or subtraction of heat, and again texturizing the fat under pressure through a second small orifice.

2,101,497
SOLVENT REFINING OF MINERAL OIL
James H. Grahame, Mount Vernon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1935, Serial No. 35,632
4 Claims. (Cl. 196—13)

1. The method of separating hydrocarbon oil containing high viscosity and low viscosity index constituents into fractions which are respectively rich in high viscosity index and low viscosity index constituents, which comprises extracting the oil with furfural in the presence of beta trichlorethane, forming an extract phase containing low viscosity index constituents dissolved in solvent liquid and a raffinate phase comprising relatively high viscosity index constituents, and separating the two phases.

2,101,498
REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 27, 1935, Serial No. 28,685
4 Claims. (Cl. 62—4)



1. Refrigerating apparatus including an enclosure containing a fluid to be kept cool, a system associated with said enclosure comprising a cooling element in heat exchange relation with the fluid in the enclosure and a cooling medium circulating unit outside the enclosure, means dependent solely upon the temperature of the cooling element and providing the main control for normally controlling the operation of said circulating unit, and means disposed within said enclosure out of intimate thermal contact with said cooling element and acting directly upon said temperature dependent main control means for regulating same in response to the temperature of ambient fluid in said enclosure.

2,101,499
ELECTRIC LIGHTING FIXTURE
Harry D. Hain, Cleveland, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 28, 1935, Serial No. 47,058
5 Claims. (Cl. 240—128)

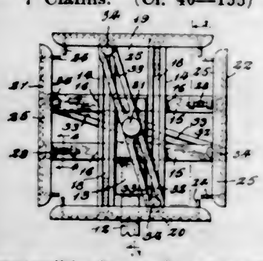
1. A shade fixture for a plurality of lamps comprising a shade element adapted to enclose

a plurality of adjacently positioned lamp and receptacle units and to abut against a surface from which such units project and yieldable means resiliently connecting said units with said shade element, the points of connection of said yieldable means to said units being more remote from said surface than the point of connection of the same



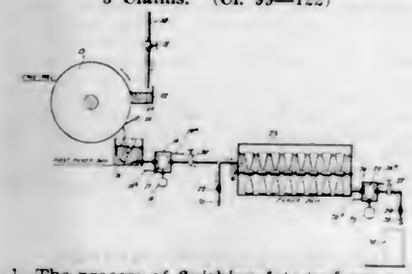
to said shade when said shade is in normal contact with said surface, said yieldable means including a member having an opening adapted to receive an electric bulb, spaced connecting members connecting to said member at spaced points and to a rim of said shade at spaced points, and spring means tending to effectively lengthen said connecting members.

2,101,500
EXPANSIBLE FRAME AND SUPPORT
Leon J. Jagus, Chicago, Ill.
Application May 17, 1937, Serial No. 143,183
7 Claims. (Cl. 40—155)



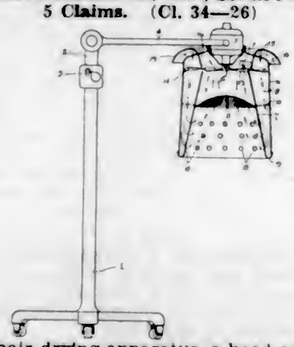
1. An expansible frame for supporting a display card comprising frame sections, each section having a slide bar, a channel bar slidably receiving each slide bar, oscillatable arm members positioned outwardly of respective channel bars, each arm having a longitudinally extended slot adjacent its ends, and a pin on each slide bar movable throughout the length of respective complemental slots.

2,101,501
PROCESS FOR FINISHING FATS
Harry A. Keck, Teaneck, N. J., assignor to Lever Brothers Company, a corporation of Maine
Application July 23, 1935, Serial No. 32,713
3 Claims. (Cl. 99—122)



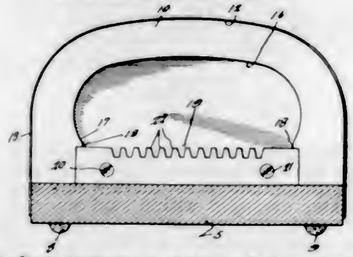
1. The process of finishing fats to form a substantially dry plastic shortening, which comprises chilling the fat to a semi-solid form, aerating the chilled fat, simultaneously agitating, heating and propelling the fat, and forcing it through a small texturizing orifice under pressure.

2,101,502
HAIR DRYING APPARATUS
John M. Keller, Lakewood, Ohio
Application December 28, 1931, Serial No. 583,468
5 Claims. (Cl. 34—26)



1. In hair drying apparatus, a hood adapted to be placed over the users head and comprising spaced inner and outer shells, means closing the lower end of the space between said shells, apertures in the lower portion of said inner shell, and a fan mounted across the upper end of said shells and having blades provided with oppositely pitched areas respectively opposite the spaces defined by said shells.

2,101,503
FOOT EXERCISING DEVICE
Frederick W. Lang, Forsyth, Ga.
Application July 2, 1935, Serial No. 29,561
Renewed June 23, 1937
4 Claims. (Cl. 128—57)

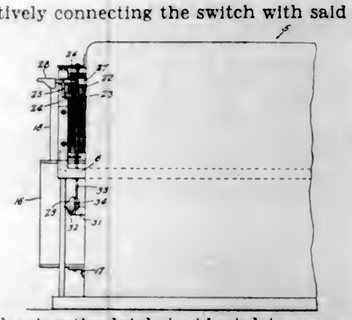


1. A foot exercising device of the character described comprising a base, standards at the opposite ends of the base, a roller having its opposite ends confined in recesses formed in said standards and arranged to be rolled back and forth across the base and the opposite ends of said roller having removable members inset therein and having exposed portions rolling on the floor of the recesses.

2,101,504
TOASTING APPARATUS
Clayton W. Malmquist, Minneapolis, Minn.
Application December 3, 1936, Serial No. 114,047
3 Claims. (Cl. 219—19)

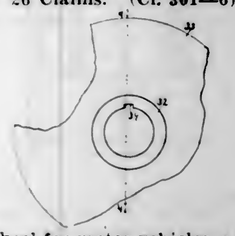
1. In a toaster having a vertically shiftable bread rack, spring means connected with the bread rack for normally urging the same upwardly to a toast-ejecting position, latch means mounted on the toaster for releasably retaining the bread rack against the action of said spring means in a lowered position, a solenoid having a reciprocating armature connected with the bread rack for lowering the latter upon the energization of the solenoid, a switch for closing the circuit through the solenoid, and means

operatively connecting the switch with said latch



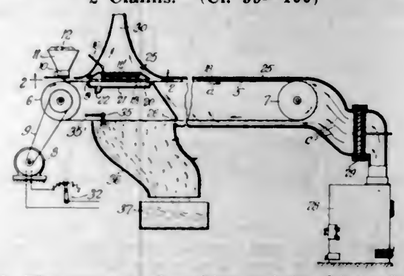
for releasing the latch incidental to an opening of the circuit through the solenoid.

2,101,505
WHEEL FOR MOTOR VEHICLES
Richard B. Miller, Detroit, Mich., assignor, by mesne assignments, of fifty per cent to Bernice Miller, Cleveland Heights, Ohio, and fifty per cent to Florence R. Magid, Brooklyn, N. Y.
Application March 31, 1932, Serial No. 602,122
Renewed December 29, 1934
26 Claims. (Cl. 301—6)



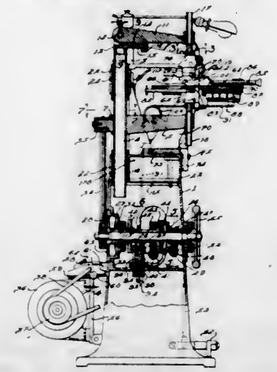
8. In a wheel for motor vehicles, a hub member formed of two parts, the inner part comprising a brake drum member formed with a central tubular portion and a web wall adapted to form a backing for a brake member proper, the outer part of said hub comprising a cylindrical portion adapted to engage over said tubular portion and provided with radially extending means adapted to lie flush against the peripheral portion of said web wall, a brake member proper of hard wear-resisting material engaged in said backing portion, and means for securing the parts in assembled relation.

2,101,506
PROCESS OF MAKING DEHYDRATED POTATO CHIPS
Eva M. Morrow and Forrest L. Morrow, Elgin, Ill.
Application September 10, 1934, Serial No. 743,366
2 Claims. (Cl. 99—100)



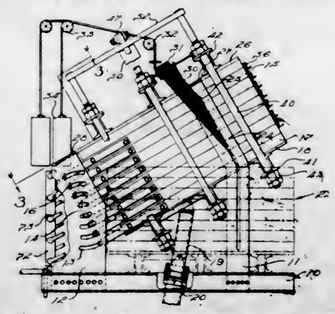
1. The process of making potato chips which comprises dividing a potato into thin pieces, subjecting the thin pieces to steam treatment to semi-cook the same to a glazed or blanched condition, dehydrating the thin pieces, immersing said thin pieces in water only momentarily and without prolonged soaking to rehydrate the same, and thereafter cooking said thin rehydrated pieces into the form of thin, crisp potato chips by immersing the same in oil at a temperature over 250° F.

2,101,507
SAWING OR FILING MACHINE
Edd C. Oliver, Adrian, Mich.
Application August 22, 1934, Serial No. 740,940
8 Claims. (Cl. 29—74)



1. A machine of the character described comprising a base, a reciprocable member thereabove, a tool reciprocable thereby, a work table supported by the base and apertured to permit reciprocation of the tool, a feed mechanism for the work, comprising a slide, a screw adjustable in the slide and engaging the work, means for applying hydraulic pressure to the slide to move the screw and therefore the work toward the cutting tool, and means limiting movement of the slide by the hydraulic pressure to a distance less than that required to complete the work.

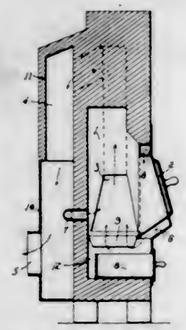
2,101,508
APPARATUS FOR MANUFACTURING MATS
Harry M. Pryale and Samuel C. Clark, Pontiac, Mich., assignors to Baldwin Rubber Company, Pontiac, Mich., a corporation of Michigan
Application March 22, 1934, Serial No. 716,772
14 Claims. (Cl. 18—17)



1. A molding apparatus comprising upper and lower relatively movable crown plates, a plurality of decks disposed in superposed relation between

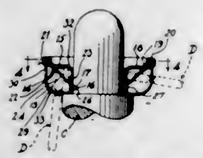
the crown plates, and means pivotally mounting the decks and one of the crown plates for pivotal movement between two angularly related positions wherein the decks are substantially parallel and superposed in either position.

2,101,509
STOVE FOR DOMESTIC PURPOSES
Isak Räsänen, Helsingfors, Finland
Application January 10, 1935, Serial No. 1,219
In Finland February 28, 1933
2 Claims. (Cl. 126—75)



1. A stove made of brickwork and sheet metal, said stove having a combustion chamber and a fire door for the introduction of the fuel into the combustion chamber, a grate and an ash pit at the bottom of the combustion chamber, a flue at each side of the combustion chamber for conveying the hot gases upwardly and then rearwardly, a chamber at the rear of the stove into the top of which the hot gases are delivered by said flues to flow downwardly through said rear chamber, a flue at the bottom of the stove for conveying the gases from said rear chamber, the lower portion of said rear chamber having a sheet metal wall only for the rapid dissipation of heat to the room to be heated, substantially as described.

2,101,510
UMBRELLA STRUCTURE
Homer E. Rathbun, Los Angeles, Calif., assignor to Kenneth T. Norris, Los Angeles, Calif.
Application September 20, 1935, Serial No. 41,441
9 Claims. (Cl. 135—28)

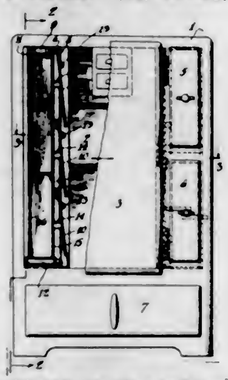


7. An umbrella structure comprising: a frame rod attaching unit, frame rods hingedly connected with said attaching unit, said unit embodying an outer member having an arcuate wall with radially disposed slots therein and an inner member secured thereto, said rods having their inner ends notched and interlocked with said slots, and means intermediate said outer member and said inner member for limiting the swinging movement of said rods.

2,101,511
SOLE LEATHER AND PROCESS OF PREPARING THE SAME
Otto Röhm, Darmstadt, Germany
No Drawing. Application June 29, 1936, Serial No. 88,057. In Germany July 2, 1935
6 Claims. (Cl. 149—4)

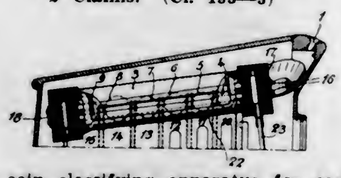
1. A process for preparing sole leather which comprises first tanning hides with sulphite cellulose extract before any silicic acid is added, and in a subsequent step filling with silicic acid solution.

2,101,512
REFRIGERATOR
Watson B. Rulon, Atlantic City, N. J.
Application August 25, 1936, Serial No. 97,756
3 Claims. (Cl. 62—89)



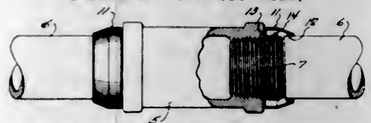
1. The combination with a refrigerator, of partition means dividing the interior thereof into a main compartment and an auxiliary compartment independently accessible from the exterior of the refrigerator, said partition means including one or more movable shutters which when open tend to establish air communication between the compartments and which when closed tend to prevent such communication, a door giving access to the main compartment, a drawer, independent of said door, slidably mounted in said auxiliary compartment, and means controlled by the opening and closing movements of said drawer to close the shutter or shutters when the drawer is opened and to open the shutter or shutters when the drawer is closed.

2,101,513
COIN SORTING DEVICE
Hjalmar Samuelsen, Oslo, and Jakob de Rytter Kielland, Vinderen, near Oslo, Norway
Application February 4, 1936, Serial No. 62,358
In Norway February 12, 1935
2 Claims. (Cl. 133—3)



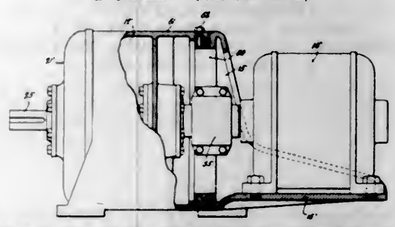
2. A coin classifying apparatus for cash or change devices and the like comprising a sorting plate having a floor, a conveyor belt for moving coins over said plate disposed at an angle to said floor and means resiliently urging said conveyor belt against said plate whereby said conveyor belt urges said coins against said plate and also against said floor.

2,101,514
PIPE THREAD PROTECTOR
Louis R. Schmaus, Milwaukee, Wis., assignor to The NoKoRode Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 17, 1935, Serial No. 16,737
4 Claims. (Cl. 285—146)



1. In combination with a pipe fitting and a pipe threaded into the fitting, said pipe having a threaded portion extending beyond the fitting, a protector ring covering said threaded portion of the pipe and having a snug face to face contact with the adjacent end of the fitting and a firm close fitting contact with the outer wall of the unthreaded portion of the pipe, said protector ring being formed of a ductile metal so as to be capable of stretching as it is moved along the increasing diameter of the pipe thread during threading of the pipe into the fitting without interfering with the proper securement of the pipe to the fitting.

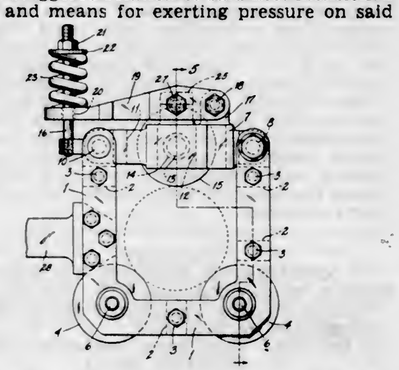
2,101,515
GEARED MOTOR
Walter P. Schmitter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application July 28, 1933, Serial No. 682,542
1 Claim. (Cl. 74—421)



In a device of the character described the combination of a casing having an end flange, a closure wall within said flange, a removable end head at the other end of said casing, a driven shaft journalled in said end head and projecting therefrom, speed reduction gearing within said casing for driving said shaft, a motor bracket having a portion removably fixed to said flange and also having a plate-like portion extending therefrom, a footed motor for driving said gearing, and means for attaching the feet of said motor to said plate-like portion to position and support the motor.

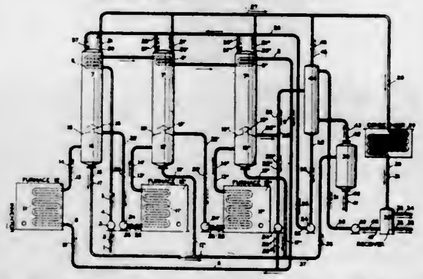
2,101,516
APPARATUS FOR COLD ROLLING AXLE JOURNALS
William L. Scribner and Tracy V. Buckwalter, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 6, 1936, Serial No. 83,940
4 Claims. (Cl. 80—22)

1. An apparatus for cold rolling axle journals and the like which comprises a C-shaped frame having a pivoted throat latch across its open top side, longitudinally convex rollers in its lower corners, a lever pivotally mounted on said throat latch, a yoke vertically slidable on said throat latch and operatively connected to said lever to be movable therewith, a roller mounted in said yoke in staggered relation to said first mentioned rollers and means for exerting pressure on said



lever, said means comprising a threaded rod on the end portion of said throat latch extending transversely beyond said lever and having a nut thereon and a helical spring bearing against said nut and said lever, and means for detachably locking said throat latch in position, said locking means consisting of an easily withdrawable locking pin extending through said throat latch and fitting in bores in the frame.

2,101,517
HYDROCARBON OIL CONVERSION
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 5, 1932, Serial No. 620,776
Renewed March 10, 1937
10 Claims. (Cl. 196—49)



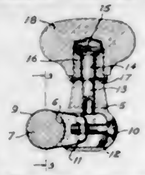
1. In a process for the conversion of hydrocarbon oil wherein the oil is subjected to conversion temperature at superatmospheric pressure in a heating coil and communicating enlarged reaction chamber, wherein vaporous and residual liquid conversion products separate, vapors from the reaction chamber subjected to fractionation, reflux condensate from the fractionator subjected to further conversion at superatmospheric pressure in a separate heating coil and communicating enlarged reaction chamber wherein vaporous and residual liquid conversion products separate, vapors from said separate reaction chamber subjected to separate fractionation, reflux condensate from said separate fractionator subjected to further conversion at super-

atmospheric pressure in another separate heating coil and communicating enlarged reaction chamber wherein vaporous and residual liquid conversion products separate and vapors from the last mentioned reaction chamber subjected to separate fractionation, and the overhead vapors from the fractionation stages condensed and collected, the improvement which comprises withdrawing unvaporized residual oil from each reaction chamber, commingling the residual oils and subjecting them to further vaporization at reduced pressure, subjecting the resulting vapors to fractionation, supplying to the last mentioned fractionating stage reflux condensate from the fractionator to which vapors from the last mentioned reaction chamber are supplied and returning reflux condensate from said last mentioned fractionating stage to the system for further conversion.

2,101,518
METALLIZED FIBROUS PACKING
Hugh T. Stewart, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
No Drawing. Application September 26, 1935, Serial No. 42,283
1 Claim. (Cl. 288—1)

A braided or woven packing material consisting of yarns, the individual strands of which have a coating of powdered metal adhesively bonded thereon prior to the braiding or weaving of the strands into a body of definite dimensions.

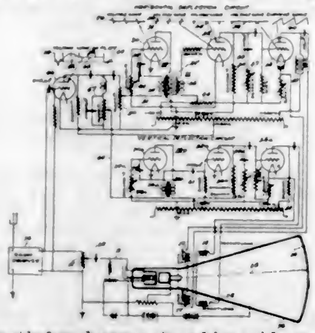
2,101,519
STEERING WHEEL SPINNER KNOB
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application November 30, 1936, Serial No. 113,283
4 Claims. (Cl. 74—557)



1. A steering wheel attachment, comprising, a bracket having a lateral recess and spaced gripping portions on opposite sides of said recess formed for coaction with the inner side of the steering wheel rim, a clamping strap snugly embracing the outside and top and bottom of the rim between said gripping portions and having its ends overlapped and disposed within said recess, adjustable means coacting with said overlapped strap ends and with said bracket to pull said strap into clamping engagement with the rim and to simultaneously force said gripping portions against the rim, a journal pin secured to said bracket and projecting upwardly therefrom, and a knob rotatably supported by said pin.

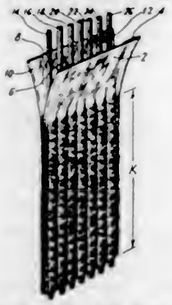
2,101,520
OSCILLATOR FOR USE WITH KINESCOPE DEFLECTING CIRCUITS
William A. Tolson, Erlton, and Justin R. Duncan, Camden, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 27, 1932, Serial No. 595,484
18 Claims. (Cl. 250—36)

1. An oscillator comprising an electron tube having grid and plate circuits, said grid circuit being excited from said plate circuit in such manner that as the plate current increases the bias on the grid of said tube increases in the positive sense and as the plate current decreases such bias increases in the negative sense, a condenser connected in said grid circuit for applying to the grid a potential more negative than that required for cut-off, and a resistance connected in said grid circuit and providing a dis-



charge path for charges stored by said condenser, said electrical circuit being characterized by the fact that the respective values of said condenser and said resistance and the constants and relation of the component parts are such that a charge is stored by said condenser only once during each complete operating period and during a relatively small part of such period and which is effective to bias said grid substantially below the cut-off point.

2,101,521
TRIMMING MATERIAL
Abraham Topiel, New York, N. Y.
Application May 29, 1937, Serial No. 145,423
3 Claims. (Cl. 66—193)

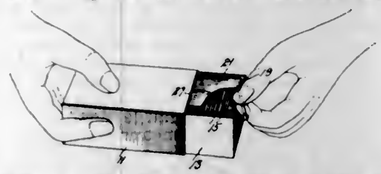


1. A trimming or the like comprising a series of parallel cords, and a pair of cloth strips attached to said cords, one of said strips being essentially puckered and the other essentially smooth.

2,101,522
CARTON
Clarence W. White, North Bennington, Vt.
Application May 22, 1937, Serial No. 144,123
2 Claims. (Cl. 229—9)

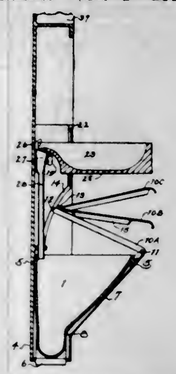
1. A carton for matches or the like including a casing, a drawer slidable therein, and a retainer strip for the drawer contents, said strip having a retaining portion provided with a tuck-in attaching flap secured to the inner face of one

end of the drawer, the remainder of said strip being free, said strip extending along the top portion of the drawer substantially from end to end and being enough shorter than the drawer



to lie within the drawer, the free end of said strip being in the same plane as the retaining portion, part of said free end being cut away from its edge inwardly.

2,101,523
TOILET FIXTURE
Richard M. Willis, Mobile, Ala.
Application December 9, 1935, Serial No. 53,654
5 Claims. (Cl. 4—169)



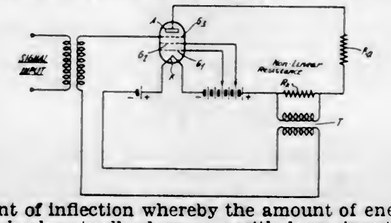
1. A water closet, the bowl portion being of flexible material and collapsible, having a seat, flushing means and a liquid seal sanitary trap with discharge means.

2,101,524
QUATERNARY AMMONIUM COMPOUNDS AND PROCESS OF PREPARING THEM
Gerhard Balle and Kurt Eisfeld, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 18, 1937, Serial No. 149,028. In Germany June 24, 1931
23 Claims. (Cl. 260—106)

1. The process which comprises treating an organic basic compound having at least two tertiary nitrogen atoms with an ester of a carboxylic acid containing a reactive anion.

2,101,525
LINEAR AMPLIFIER CIRCUIT
Hans Bartels, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 18, 1934, Serial No. 758,044
In Germany March 21, 1934
8 Claims. (Cl. 179—171)

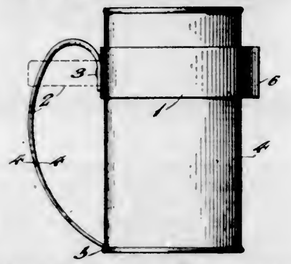
1. The method of operating a regeneratively connected thermionic device with relation to its plate current-plate voltage characteristic so as to prevent instability caused by increases in the amount of energy fed back due to increases in input energy, which consists in operating the thermionic device in a manner such that its characteristic has a distinct point of inflection within the operating range and adjusting the thermionic device so as to operate about this



point of inflection whereby the amount of energy fed back actually decreases with large inputs.

2. In a circuit including an electronic tube provided with an anode, a cathode and a control electrode, means for assuring saturation discharge effects in the operation of the cathode comprising a pair of auxiliary grids interposed between the cathode and the control grid and means for maintaining said auxiliary grids at fixed positive potentials with respect to the cathode.

2,101,526
RECEPTACLE HOLDER
Willard G. Bryant, Miami, Fla.
Application September 29, 1936, Serial No. 103,117
1 Claim. (Cl. 16—114)

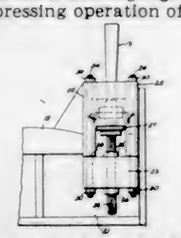


A receptacle holder comprising a spring curvilinear handle, the bottom edge of which is adapted to engage the bead on the bottom end of a receptacle, and an annular split spring band secured to the upper end of said handle, the ends of said band being outwardly turned and spaced apart a distance well below the diameter of the receptacle to be held, whereby the pressure of the receptacle against said ends tends to open said spring band and cause the latter to encircle said receptacle.

2,101,527
PRESS
Arthur A. Byerlein, Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application December 5, 1934, Serial No. 756,107
5 Claims. (Cl. 113—38)

1. In a press of the character described, a frame, a slide reciprocably operable in said frame, means for operating said slide in one direction for a pressure operation including a pressure link, said slide comprising a main body having a surface facing generally in said direction and also having a separate lug to which said link

is connected, and means acting under initial tension effective to normally force said lug toward said surface to hold said lug rigidly to said main body during pressing operation of the press with-



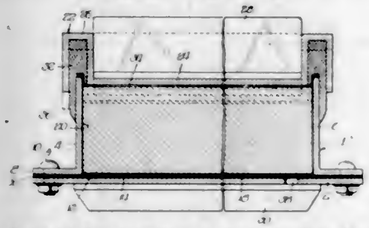
in a predetermined safe working capacity of the slide and its operating means, but adapted to stretch and provide for relative movement of said lug away from said surface of the body when an overload is imposed.

2,101,528

MEANS FOR TREATING LIQUID CONTAINING COMPRESSIBLE BODIES OF MATERIAL

John R. Bjorklund, Chicago, Ill., assignor to Northwestern Terra Cotta Corp., Chicago, Ill., a corporation of Illinois

Application November 18, 1935, Serial No. 50,335
4 Claims. (Cl. 25—45)



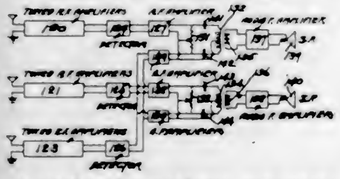
1. A mold for treating a compressible body of material containing a liquid, comprising a base having walls for receiving and holding said body of material, said base being provided with at least one opening and a filter bed communicating therewith between said base and body of material, a closure member movable with respect to said base and having a marginal channel adapted to receive said walls, and flexible sealing means between said walls and channel to provide a fluid-tight joint therebetween.

2,101,529

RADIO TRANSMISSION AND RECEPTION

Harry B. Breedlove, Memphis, Tenn.

Application September 25, 1935, Serial No. 41,986
11 Claims. (Cl. 250—10)



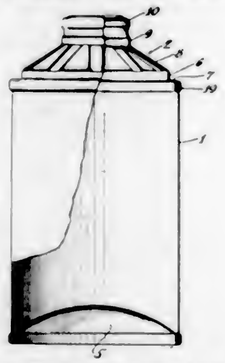
1. In a receiver for intensity modulated radio frequency currents and which employs tuning and amplifying means, dual detectors, each having an output transformer, two pairs of electron discharge devices, a third transformer, having its primary inverted with relation to the primary of one said output transformer; and an amplifier and speaker connected to the secondary of said third transformer; means connecting opposite ends of the secondary of a first said output transformer respectively each to the grid of a first said electron discharge device of each said pair of said devices, means connecting opposite ends of the secondary of the second said output transformer respectively each to the grid of the second said electron discharge devices of each said pair of said devices, means connecting both plates of a first said pair of said devices and both plates of the second said pair of said devices respectively to opposite ends of the primary of said third transformer, interconnected taps connecting the secondaries of both said output transformers to the cathodes of said electron devices, and a tap connecting the primary of said third transformer to said cathodes.

2,101,530

SHEET-MATERIAL CONTAINER AND ART OF MAKING SAME

Julius Brenzinger, Fairfield, Conn.

Application May 5, 1936, Serial No. 77,938
3 Claims. (Cl. 113—121)



1. The method of uniting the body and top of a container which consists in: providing the body at one of its ends with an outwardly extending flange; providing the top at one end with a dependent rim of smaller diameter than that of said body and with an outwardly extending flange that projects from the lower part of said rim and is of a diameter greater than that of the outwardly extending flange of the body; supporting the body and limiting its endwise movement; positioning the top on the end of the body with the outwardly extending flanges of the body and top in contact; clamping the inner and outer surfaces of the flange of the top in a plane within the outer circumference of the body; and seaming the flanges of the body and top together.

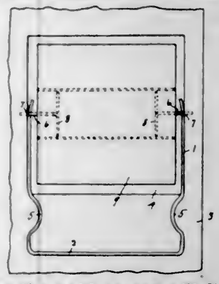
2,101,531

TOILET PAPER HOLDER

Earle P. Clemson, Baltimore, Md.

Application March 6, 1937, Serial No. 129,374
2 Claims. (Cl. 242—55.2)

2. A toilet paper holder comprising a frame formed of spring material having two free ends normally apart, an arm on each of said free ends having one end projecting inwardly and adapted to hold a roll of paper and its opposite end projecting outwardly and adapted to fit in an aperture in opposite sides of a recess in a wall to hold the frame and roll of paper in said recess, the said frame being bent so that the portion



thereof below the said recess will lie against the outer wall when the roll of paper is secured in said recess.

2,101,532

TEXTILE LUBRICATION

Victor Conquest, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 29, 1936, Serial No. 88,065
15 Claims. (Cl. 91—68)

1. A textile thread carrying an adsorbed film of a ketonic material having the general formula

$$R-\overset{\overset{O}{\|}}{C}-R'$$

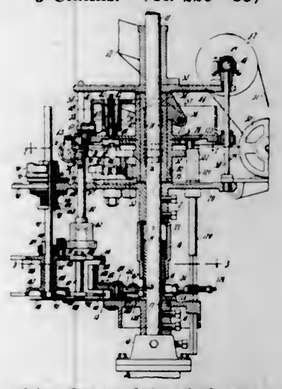
wherein R is a closed ring radical and R′ is an alkyl radical containing at least six carbon atoms.

2,101,533

FOIL CAPPING MACHINE

Robert N. Cundall, Lackawanna, and Howard E. Gantzer, Kenmore, N. Y., assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York

Application April 24, 1935, Serial No. 17,952
3 Claims. (Cl. 226—85)



1. A machine for applying foil caps to the necks of containers comprising, a resilient, fluid-pressure operated, cup-shaped member adapted to envelop the neck of the container, means to lower said member over the neck of a container positioned therebeneath and to elevate said member, a pump associated therewith, means to operate said pump to apply uniform pressure to the external surface of said member when lowered and to release the pressure before said member is elevated, said member and said pump being rigidly connected to move as a unit.

2,101,534

UREA-FORMALDEHYDE CONDENSATION PRODUCTS

Donald Edwards Edgar, Philadelphia, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1935, Serial No. 34,300
1 Claim. (Cl. 260—3)

In the manufacture of urea-formaldehyde reaction products the steps which comprise reacting the urea and formaldehyde in aqueous solution thereby obtaining in caked form a crystalline precipitate of said reaction product in aqueous liquor which is a non-solvent for the precipitated reaction product, separating substantially all said aqueous liquor from the crystalline caked precipitate, breaking the resulting cake into small pieces, then forming a slurry of said precipitate with a water miscible liquid which is selected from the class consisting of acetone and alcohols and which is a non-solvent for said precipitate, separating said precipitate from the non-solvent, and completely drying the precipitate thereby obtaining said urea-formaldehyde reaction product in a fluffy form substantially free from lumps and caked particles.

2,101,535

REVERSIBLE PROPELLER

Seth Mauritz Fingal Engdahl, Stockholm, Sweden

Application July 11, 1936, Serial No. 90,117
In Sweden July 12, 1935
4 Claims. (Cl. 170—159)



1. A reversible screw propeller of the character described, comprising a hub and a plurality of blades, each blade having a transversely tapered profile, the blades being arranged in two groups, each group having its blades uniformly spaced and disposed with their tapered edges turned in a direction opposite to the tapered edges of the other group, in such a manner that rotation of the propeller in one direction will bring one group of blades into effective operation and rotation of the propeller in the opposite direction will bring the other group of blades into effective operation.

2,101,536

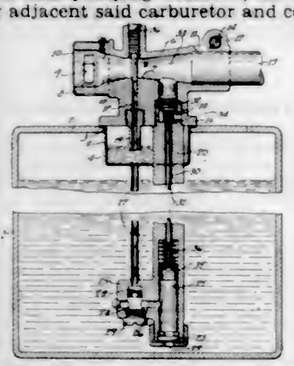
FUEL FEED MEANS

George R. Ericson, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application August 19, 1936, Serial No. 96,791
4 Claims. (Cl. 261—36)

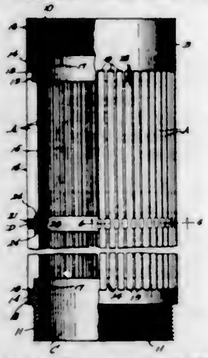
4. In combination, a carburetor for support on a fuel tank and having an induction passage, tubular structure projecting from said carburetor for insertion into the tank, a plunger extending loosely through said structure and exposed at one end to pressure pulsation in said carburetor, said tubular structure having a pumping chamber at its opposite end with a check controlled inlet, an outlet valve seat spaced from said inlet, a collar loosely surrounding said plunger and cooperable with said outlet seat to substantially re-

sist passage of fuel through said seat except outwardly of said pumping chamber, an over-flow chamber adjacent said carburetor and communi-



cating with said pumping chamber through said tubular member, and a suction fuel feed communication between said over-flow chamber and said induction passage.

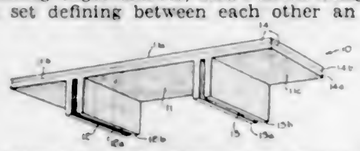
2,101,537
WELL SCREEN
Elmer D. Every, Rochelle Park, N. J.
Application March 16, 1937, Serial No. 131,194
5 Claims. (Cl. 166—5)



1. A fabricated well screen, including upper and lower cylindrical end members, and a plurality of vertical bars circumferentially spaced with reference to the end members and secured at their opposite ends thereto, said bars having inwardly converging side faces defining between adjacent bars water passages which flare towards the interior of the screen and which have their major dimension disposed vertically, and a reinforcing band of a thickness coinciding with the thickness of the bars and located intermediate the length of the bars, said band and bars having corresponding interengaging notched portions, which notched portions are of such a combined depth as to dispose the inner and outer surfaces of the bars and band in flush relation.

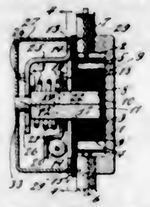
2,101,538
FLOOR CONSTRUCTION
Herbert Alfred Faber, Cincinnati, Ohio
Application March 14, 1936, Serial No. 68,789
17 Claims. (Cl. 72—68)

1. In a floor construction, a block pre-shaped to include a plane flooring surface, sets of parallel spacially related flanges depending from the under-side of said flooring surface, each of the said sets of flanges completely crossing the said under surface between two oppositely related edges thereof and being spaced apart from the remaining edges thereof, said related flanges of each set defining between each other an open



slot having a mean width substantially commensurate with the mean thickness of an individual flange, and a mean depth substantially equal to the outward extension of the flanges, the width of said slot being small as compared to the distance between any two mutually adjacent sets of related flanges.

2,101,539
ELECTRIC SWITCH
Joseph Figueira, New York, N. Y., assignor to Leviton Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application October 8, 1934, Serial No. 747,297
4 Claims. (Cl. 200—64)



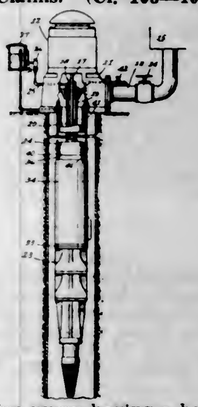
1. In an electric switch, a base, a revoluble make and break device in said base, an axially extending shaft for operating said make and break device, a metal plate through which said shaft passes attached to said base, a struck up tongue from said plate having a journal for said shaft, and mechanism for operating said shaft, said shaft operating mechanism being located between said plate and tongue.

2,101,540
PROCESS FOR PRODUCING ARTICLES FROM MOLDABLE POWDER
Kurt Gullich, Marienberg in Saxony, Germany, assignor to Bisonit G. m. b. H., Marienberg in Saxony, Germany
Application May 8, 1935, Serial No. 20,498
In Germany May 8, 1934
3 Claims. (Cl. 18—61)



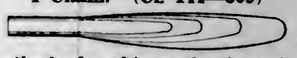
1. Process for manufacturing pre-molded articles patterned right through in various colors, from a powder of a product which is moldable under heat, such as horn flour, which comprises only partially filling a mold cavity with a quantity of the moldable powder to form a continuous layer of the same on the bottom of the mold; shaping the upper surface of, and compressing, the layer, unheated, by means of a profiled die; applying to the resulting profiled surface of the compressed partial filling of powder another layer of the moldable powder having a different color than the first partial filling; shaping the upper surface of, and compressing, the second layer, unheated, by means of a profiled die, to produce a second compressed layer having a different color and a different cross-section than the previous layer; introducing in the same manner at least one other layer of the moldable distinctively colored powder; and finally uniting the so-placed portions of moldable powders by the simultaneous application of pressure and moderate heat whereby to form a pre-molded coherent shaped article.

2,101,541
LUBRICATING SYSTEM FOR VERTICAL PUMP SHAFTS
James M. Hait, Los Angeles, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application April 29, 1935, Serial No. 18,820
24 Claims. (Cl. 103—102)



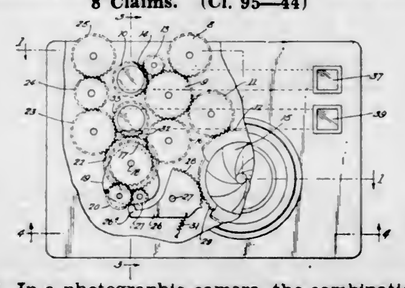
1. In a turbine pump having a bowl assembly, a line shaft extending through said bowl assembly, a tubing enclosing said line shaft, and a delivery pipe enclosing said tubing, the combination of: by-pass means interposed between the interior of said tubing and the exterior of said pipe at a point above said bowl assembly; an elongated housing surrounding said pipe and enclosing the outlet of said by-pass, said housing having an outlet opening at its lower end portion; a liquid return conduit connecting the top portion of said housing with the surface of the ground; and means for applying pressure within said housing to force the liquid therein through said return conduit to the surface of the ground.

2,101,542
METHOD OF COMPRESSING WOOD
Robert N. Hartzell, Piqua, Ohio, assignor to Hartzell Industries, Inc., Piqua, Ohio, a corporation of Delaware
Application August 2, 1935, Serial No. 34,377
1 Claim. (Cl. 144—309)



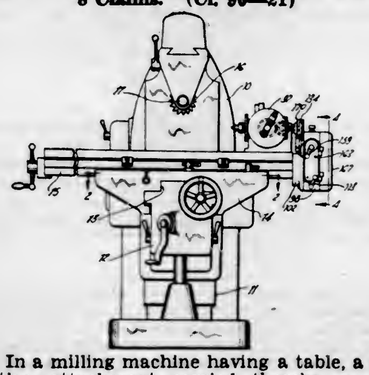
The method of making a laminated propeller comprising forming strips of wood of tapering thickness, heating and compressing the strips to produce graduated degrees of compression with the greatest degree at the thicker portions of the strips, the heating and compression to which the strips are subjected being carried out at a temperature of about 300° F., at a time of about a minute and a half and a maximum pressure of about 700 pounds per square inch, so as to permanently compress the fibers progressively to various degrees at various points along the length of each strip while maintaining the strength of the fibers, and gluing the strips together to form a propeller blade with the denser portions of the blade being used for the hub portion.

2,101,543
PHOTOGRAPHIC CAMERA
Gerhard Henkel, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application April 30, 1936, Serial No. 77,161
8 Claims. (Cl. 95—44)



1. In a photographic camera, the combination, a photographic lens, means for adjusting said photographic lens, a diaphragm for said lens, means for adjusting said diaphragm, a range finder, manually operable means for actuating both said adjusting means and range finder simultaneously, a second range finder operatively connected with said diaphragm adjusting means and a second manually operable means for actuating said second range finder and said diaphragm adjusting means simultaneously, without changing the adjustment of said first range finder and said photographic lens.

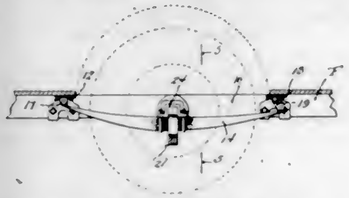
2,101,544
MILLING MACHINE TRANSMISSION AND CONTROL MECHANISM
Herman R. Isler, Norwood, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 26, 1936, Serial No. 70,991
8 Claims. (Cl. 90—21)



1. In a milling machine having a table, a work rotating attachment carried thereby, a drive

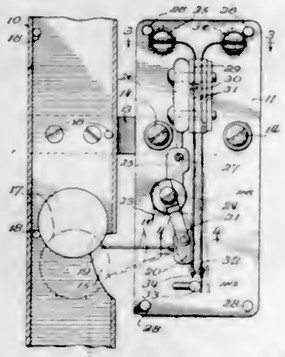
shaft and a lead screw supported by the table, the combination of means for actuating the attachment and lead screw including a bracket detachably connected to the table, a pair of gears carried by the bracket, a gear train connecting the gears for simultaneous rotation in opposite directions by the drive shaft, reduction gearing connecting one of said gears to said lead screw, and means to selectively connect either of said gears for actuation of the attachment.

2,101,545
SPRING SUSPENSION FOR TRAILERS
Thomas H. Jacob, Wausau, Wis.
Application October 22, 1936, Serial No. 107,011
2 Claims. (Cl. 280—106.5)



1. In a spring suspension for trailers and the like, a frame including inner and outer spaced longitudinally extending sills, front and rear brackets rigidly connecting said sills, a substantially U-shaped axle extending transversely across the frame having outwardly extending stub ends arranged between the sills and the front and rear brackets, leaf springs extending under said stub ends, means securing the ends of the springs to the under face of the brackets, and means rigidly connecting the springs with the stub axle ends.

2,101,546
COIN ACTUATED SWITCH
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application March 10, 1937, Serial No. 130,026
2 Claims. (Cl. 194—9)

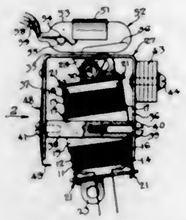


2. In combination, a coin chute, having an arcuate opening at one side, a switch housing comprising a base and a cover of insulating material, said cover being provided with an opening, means mounting said base on said chute with last said opening adjacent said arcuate opening, a pair of resilient blades mounted on said base, terminals on said base connected to said blades, an elongated block of insulating material pivotally mounted within the housing and having an elongated face on both sides of its pivotal axis, one of said blades being biased towards said elongated face, the other blade being biased towards the first said blade, an abutment against which said other blade bears resiliently, said abutment holding said other blade out of contact with the first said blade when the first said blade bears against said elongated face, an arm rigidly mounted on said block extending through the opening in the cover and having a laterally turned end portion located within said arcuate opening in the path of a coin passing through the chute, whereby the block is oscillated by a passing coin and the first said blade is displaced into contact with the other blade, the first said blade effecting by its resilience the return of the block and arm to initial position.

2,101,547
PROCESS OF CURING HAMS
John C. Kistler, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 15, 1937, Serial No. 131,110
4 Claims. (Cl. 99—159)

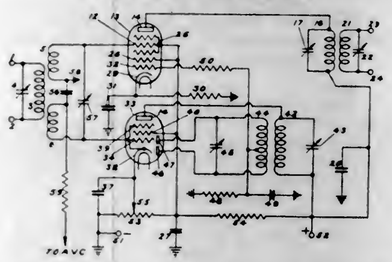
1. The process of curing hams which comprises the steps of first partially curing the hams with a salt-curing composition, then immersing the hams in hot water maintained at a temperature of about 60° to 75° C. for a period of time of about four to six hours, and then smoking the hams in the usual way.

2,101,548
ELECTROMAGNETIC APPARATUS
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application May 28, 1936, Serial No. 82,217
15 Claims. (Cl. 200—112)



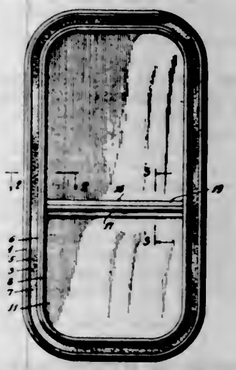
1. In combination, a winding having a passage therethrough, means for mounting said winding with said passage horizontally disposed, a rigid U-shaped member having its base portion pivotally mounted above but close to said winding with its legs extending downwardly, a core comprising magnetic material extending through said passage and secured to the legs of said U-shaped member, means biasing said member to a position wherein the magnetic center of said core is displaced from the center of said winding, said winding being effective upon energization thereof to move said core and said member so as to cause the magnetic center of said core to approach the center of said winding, and means actuated by said member when so moved.

2,101,549
SILENCING CIRCUITS FOR RADIO RECEIVERS
James J. Lamb, West Hartford, Conn., assignor, by mesne assignments, to Alan N. Mann, Scarsdale, N. Y., trustee
Application April 18, 1935, Serial No. 16,961
25 Claims. (Cl. 250—20)



5. In the intermediate frequency amplifier of a superheterodyne receiver two parallel paths: the first, a screen grid thermionic amplifier including an input circuit, an output circuit, and a control grid electrode; the second, a screen grid thermionic amplifier, including an input circuit, an output circuit, and a rectifier coupled to the last mentioned output circuit; means connected in the second path to prevent its operation for signal representing voltages; means connected in the rectifier circuit to derive pulsating voltages from rectified currents; and a series connected impedance connection from said rectifier to said control grid electrode so that static representing voltages exceeding said signal voltages are attenuated in said first path.

2,101,550
SHIP DOOR OR HATCH CONSTRUCTION
Albert L. Lambert and Francis M. Lambert, Narberth, Pa., assignors to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 2, 1936, Serial No. 72,297
6 Claims. (Cl. 114—117)



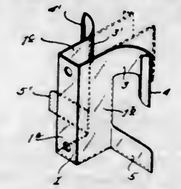
1. A light weight ship door or hatch comprising an aluminum panel and extruded aluminum members, the ends of which are butt welded together to form a frame extending continuously around said panel, said frame being welded to said panel and having a stiffening wall portion extending at right angles to the plane of said panel.

2,101,551
CLIP
Reginald E. Marsh, Bronxville, N. Y., assignor to Simplon Products Corporation, a corporation of New York
Application October 16, 1934, Serial No. 748,435
3 Claims. (Cl. 189—35)



3. A clip for securing two angularly disposed trough-shaped members together comprising a piece of sheet metal shaped to form an end wall and two side walls, one extending from each edge of the end wall and each side wall having an extension of substantial length extending outwardly of the side wall and united to the wall adjacent one end and otherwise disconnected from the wall and extending substantially parallel to the axis of the slot formed by the end and side walls, the disconnected portion of the extensions and the edge of the wall forming slots to receive the flange of a trough-shaped member and the side walls diverging from the end wall whereby the clip may be adjusted to variations in the trough-shaped members.

2,101,552
CLIP
Reginald E. Marsh, Bronxville, N. Y., assignor to Simplon Products Corporation, a corporation of New York
Application March 13, 1937, Serial No. 130,674
3 Claims. (Cl. 189—35)



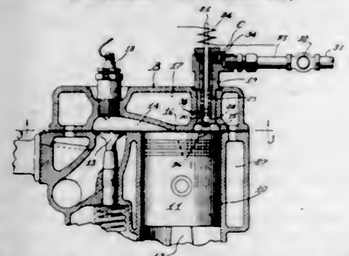
2. A furring clip for securing a channel-shaped furring strip to another furring strip angularly disposed with respect thereto comprising a piece of sheet metal shaped to form an end wall and two side walls, one extending from each edge of the end wall, each side wall having a curved section of lesser width than the side wall extending from the side wall, and an extension of substantial length parallel to the edge of the side wall on the end of the curved extension.

2,101,553
COATING IRON OR STEEL WITH ALUMINUM OR AN ALLOY THEREOF
Ernst Johan Mauritz Mattsson, Stockholm, Sweden, assignor to Frans Nilsson, Stockholm, Sweden
No Drawing. Application February 28, 1935, Serial No. 8,722. In Great Britain March 5, 1934
5 Claims. (Cl. 91—70.2)

2. A method of aluminizing the surface of a ferrous metal body which comprises cleaning and heating the body by immersing the same in a molten flux bath of the salt type the active ingredients of which consists of alkali metal fluoride and chloride selected from the chlorides of

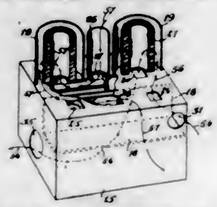
one or more of the metals of the group consisting of the alkali metals and zinc but free from any salt of calcium, removing the body from said bath and immersing the body in a molten bath containing aluminum.

2,101,554
INTERNAL COMBUSTION ENGINE AND INJECTING DEVICE THEREFOR
Andre J. Meyer, Grosse Pointe Village, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application September 28, 1933, Serial No. 691,271
4 Claims. (Cl. 123—25)



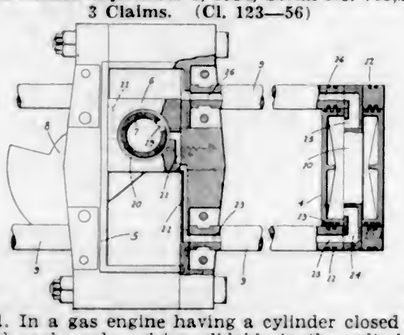
3. In an internal combustion engine, a cylinder and a cylinder head structure cooperating therewith to provide a combustion chamber having primary and secondary combustion chamber portions and a restricted zone located intermediate said portions, a spark plug for the primary combustion chamber portion, electrically controlled means for injecting a cooling liquid into the secondary combustion chamber portion which contains the fuel charge last to burn under the influence of said spark plug, and means for energizing said spark plug and said injecting means substantially simultaneously.

2,101,555
AIR OR GAS CONDITIONING APPARATUS
William E. Moore, Pittsburgh, and George L. Simpson, Coraopolis, Pa., assignors to Pittsburgh Research Corporation, Pittsburgh, Pa.
Application July 11, 1935, Serial No. 30,908
14 Claims. (Cl. 183—4)



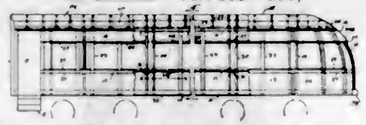
3. In an adsorbent apparatus, a casing separated into two chambers and having a pair of ports spaced a substantial distance apart, each of said ports communicating with one of the casing chambers, a tower secured to said casing and surrounding both of said ports, a tubular body of solid adsorbent material arranged in said tower in spaced relation to the walls of the tower, said tubular body extending from top to bottom of said tower and surrounding one of said ports, the other of said ports being in communication with the space surrounding the tubular body of adsorbent, means to pass a gaseous material from one of the casing chambers through the ports and body of adsorbent material to the other chamber, a heating device, and means to pass a gaseous material from said heating device through the ports and adsorbent material while out of contact with the gaseous material in the casing chambers.

2,101,556
AIRPLANE ENGINE
Wayne N. Morgan, Merced, Calif.
Application September 8, 1934, Serial No. 743,257
3 Claims. (Cl. 123—56)



1. In a gas engine having a cylinder closed at both ends and a piston slidable in the cylinder, rods parallel to the piston disposed in contact with and secured to the peripheral face thereof at diametrally opposed points, and guide elements in the cylinder about the rods, said elements and the cylinder walls following the contour of and engaging the piston and rods throughout the non-contacting areas of the latter.

2,101,557
LIGHTWEIGHT RAILWAY CAR
William H. Mussey and Martin P. Blomberg, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 17, 1933, Serial No. 676,265
11 Claims. (Cl. 105—397)



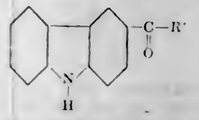
1. In a railway car framing, a side wall structure including a girder having a relatively heavy top chord member, a relatively light bottom chord member, a plate uniting said members having the major part of its area in tension, a roof framing member complementing said top chord to form therewith a side plate longitudinal in the framing assembly and having spaced inner and outer flanges projecting upwardly from the margins of said plate, transversely extending framing members supported upon said plates with their ends between said flanges, and a roof plate connecting said transverse members and side plate.

2,101,558
PROCESSING OF HYDROCARBON RESINS
Thomas F. Nealon, Boston, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 8, 1936,
Serial No. 89,662
6 Claims. (Cl. 260—2)

1. In the manufacture of hydrocarbon resins by polymerization of a cracked hydrocarbon distillate rich in unsaturates including diolefines, by means of a metallic halide polymerizing catalyst, the steps in the recovery of the resin characterized in that the catalyst is neutralized and thereby destroyed by means of an excess of caustic alkali, after which the mixture is acidified by the addition of an acid whose alkali metal salt is insoluble in the hydrocarbon mixture and subsequently removing the excess acid by the addition of alkali metal carbonate.

2,101,559
CARBAZOLE-ALKYL KETONES
Anderson W. Ralston and Carl W. Christensen, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 19, 1936,
Serial No. 101,675
5 Claims. (Cl. 260—46)

1. An aralkyl ketone having the structure:



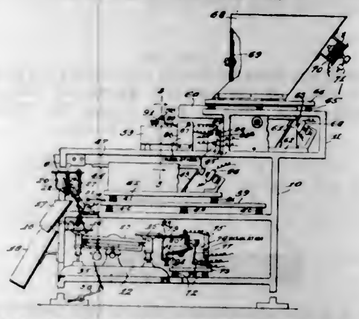
wherein R′ is an alkyl radical chosen from the group consisting of undecyl, tridecyl, pentadecyl and heptadecyl.

2,101,560
MIXED THIENYL-ALKYL KETONES
Anderson W. Ralston, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 8, 1936,
Serial No. 104,704
5 Claims. (Cl. 260—53)

1. An aralkyl ketone having the formula

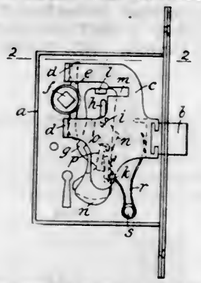
wherein R is a thienyl radical and R′ is an alkyl radical having from eleven to seventeen carbon atoms.

2,101,561
AUTOMATIC WEIGHING AND PACKAGING MACHINE
Theodore Rapp, Los Angeles, Calif.
Application November 22, 1935, Serial No. 51,000
15 Claims. (Cl. 249—2)



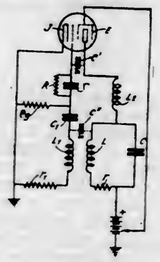
1. In a weighing and packaging machine, a hopper, means for imparting vibratory movement to said hopper, a trough into which the contents of the hopper discharge, means for imparting vibratory movement to said trough, a hopper that receives the product from the discharge end of said trough and a plate mounted for swinging movement in said last mentioned hopper, which plate is moved in one direction as a result of over-accumulation of the product discharged into said hopper from said trough.

2,101,562
LOCK
Edward Robins, Farnham, England
Application March 17, 1936, Serial No. 69,306
In Great Britain March 19, 1935
1 Claim. (Cl. 70—150)



A lock comprising a casing, a roll back in said casing, a slidable plate in said casing having studs for operative engagement with said roll back, a latch bolt secured to said plate, a key-operated locking member arranged behind the plate and operative in one position to prevent the plate and bolt from being retracted, pins in the casing whereby said locking member is guided at right angles to the movement of the plate, a tumbler arranged between the plate and locking member and pivoted to one of said pins, a stud on the locking member adapted to co-operate with said tumbler for holding the locking member both in operative and inoperative position, a shoulder on the plate, and a spring arranged between said shoulder and tumbler for controlling both the plate and the tumbler.

2,101,563
TRIODE OSCILLATOR AND THE LIKE
Yves Rocard, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application March 20, 1935, Serial No. 11,905
In France March 22, 1934
5 Claims. (Cl. 250—36)



1. Oscillating circuit comprising a thermionic tube having a cathode, grid and plate, a tuned circuit in the plate circuit of the said tube, coupling means between this tuned circuit and the grid circuit of the tube, and means for stabilizing

the oscillating frequency, said means comprising an impedance inserted in series in the grid circuit between the oscillating grid of the tube and the said coupling means, this impedance being determined so that the alternating tension on the grid during oscillation has the same phase as if the grid impedance were infinite, and a second impedance inserted between the plate of the tube and the tuned circuit, this second impedance being determined so as the oscillation frequency is independent of the internal impedances of the tube.

2,101,564
HOUSE COAT
Elias Sayour, Brooklyn, N. Y.
Application May 5, 1937, Serial No. 140,811
2 Claims. (Cl. 2—93)



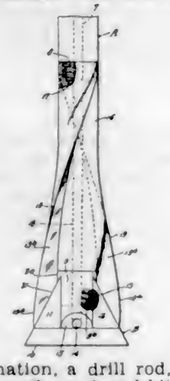
1. A house coat comprising a back member, a pair of front members and a pair of sleeve members, said back member being formed with a skirt section tapering from the bottom to the waistline and a body section merging at its center into the top of said skirt section, said body section adjacent the waistline having side portions projecting laterally beyond the skirt section, and a pleat formed in the body section adjacent each junction of the skirt section and said side portions, said pleats forming continuations of said skirt section whereby the top of the skirt section appears to overlap the body section.

2,101,565
CAN MARKING AND DISPLAYING DEVICE
Nicholas Snelling, Jackson Heights, Long Island, N. Y.
Application December 7, 1936, Serial No. 114,618
9 Claims. (Cl. 40—7)



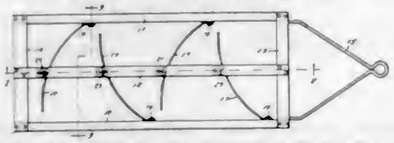
7. A device for marking or characterizing articles of merchandise comprising a normally flat sheet of material fashioned to form a display or marking section and a mounting part, said mounting part being cut out to form spaced apertures with the body of said mounting part cut intermediate said apertures on a line arranged centrally of said spaced apertures to form opposed coupling tongues, adjacent edges of which are arranged in close proximity to each other, and said tongues being capable of independent flexure in mounting the device in connection with a suitable support engaged by said tongues to retain the device against displacement from said support.

2,101,566
NONFOULING DRILL
Wade Vanderpool, Stevenson, Wash., assignor of one-half to Dee Wakefield, Stevenson, Wash.
Application January 28, 1937, Serial No. 122,863
7 Claims. (Cl. 255—69)



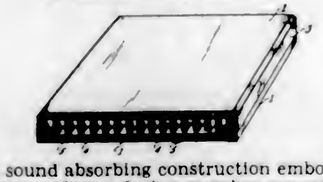
1. In combination, a drill rod, a drill bit, coacting means on the rod and bit for detachably coupling them together, said drill rod carrying spiral fins formed with wings which overlap a portion of the drill bit when the rod and bit are coupled together to prevent fouling of the bit.

2,101,567
DRAG
Roy J. Winsor, Marion, Ohio
Application May 4, 1936, Serial No. 77,769
4 Claims. (Cl. 37—148)



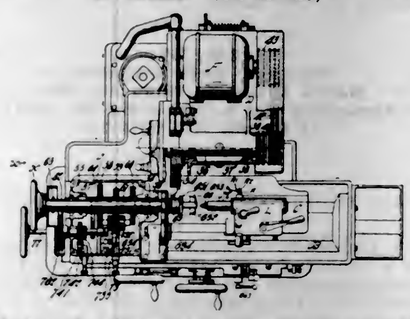
1. A drag comprising, in combination, a framework, a plurality of curved blades carried thereby, alternate blades being reversely positioned and each blade being positioned with respect to said framework to present a gradually increasing angle with the direction of motion of the drag from its forward end to its rearward end each blade overlapping adjacent blades substantially its entire length, and supporting means for said blades extending therebelow.

2,101,568
SOUND DEADENING CONSTRUCTION
Francis R. Woodbury, Portland, Oreg.
Application June 4, 1934, Serial No. 728,858
4 Claims. (Cl. 154—44)



1. A sound absorbing construction embodying a backing member, a facing member spaced therefrom, spacers along their edges securing backing and facing members in spaced relationship, said facing member, backing member and spacers being of a sound absorbent material, elongated ribs projecting from the inner side of the facing member into the space between the facing member and the backing member, and the thickness of said facing member permitting high frequency sound to penetrate into the space between it and the backing to be absorbed by said ribs, backing member and spacers, and the structure of the facing member providing it with a vibratorily absorbent response to sound in the lower frequencies.

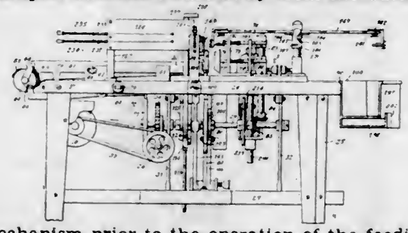
2,101,569
SURFACE FORMING MACHINE
John Y. Blazek, Maple Heights, and Russell G. Anderson, Cleveland, Ohio, assignors to Lempco Products, Inc., Bedford, Ohio
Application January 20, 1934, Serial No. 707,488
28 Claims. (Cl. 29—28)



6. A surface forming machine having a bed, a table movable reciprocatingly on said bed, and a reciprocating means for said table having a driving shaft and contact elements on said table, a shaft in geared engagement with said table to move the latter, opposing bevel gears each rotatable on said driving shaft, a clutch on said shaft between and engageable with both of said bevel gears individually, a stub journaled in said bed, a reversing lever journaled on the other end of said stub, a sector on and rotatable with said stub, a contact pin projecting inwardly from said reversing lever and transversely of said sector, a spring at each side of said reversing lever, one end of each of said springs being hooked onto said contact pin, the other end of each of said springs being hooked onto said sector, a holding pin driven into said sector at each side of said reversing lever, a pair of dogs each having one end thereof pivoted on a fixed pin, one at each side of said reversing lever and the other ends thereof to engage and disengage said contact pin, and a notch in each of said dogs to engage said holding pins to lock the table reversing means until released by movement of said table.

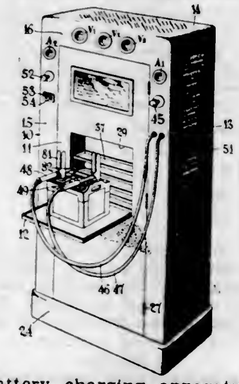
2,101,570
CONFECTION MAKING MACHINE
Emerson A. Bolen, Morris, Ill., assignor, by mesne assignments, to Fred L. Borchert, Rockford, Ill.
Application November 26, 1934, Serial No. 754,731
22 Claims. (Cl. 107—21)

1. A confection making machine comprising in combination, bar cutting mechanism, means for feeding a slab of confection material to said cutting mechanism for the severance of bars therefrom, means for inserting sticks into said slab in the areas comprising the bars, prior to the severance of the bars from the slab, means for transporting the bars by the sticks away from the cutting mechanism and means for intermittently operating the transporting mechanism to transport successive bars away from the cutting



mechanism prior to the operation of the feeding mechanism and subsequent to the operation of the cutting mechanism.

2,101,571
BATTERY CHARGING AND TESTING APPARATUS
Edgar W. Breisch, Lancaster, N. Y.
Application February 12, 1934, Serial No. 710,967
2 Claims. (Cl. 312—166)

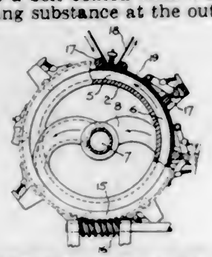


1. In battery charging apparatus, a cabinet having a door opening in the front wall thereof and an outwardly offset panel on the rear wall thereof, a hinged closure for the door opening, a plurality of battery supporting shelves in said cabinet extending across the interior thereof and spaced from said outwardly offset panel, a pair of vertical partitions extending between the uppermost one of said shelves and the top wall of the cabinet and between the front and rear walls of the cabinet to provide compartments for battery charging apparatus, and ventilating openings for the interior of the cabinet formed in the side and top walls of the cabinet, other ventilating openings for said compartments formed in said side and top walls, and the upper edge of said outwardly offset panel being spaced from the adjacent rear wall portion of the cabinet to provide a ventilating opening adjacent the top of the cabinet.

2,101,572
MINERAL SEPARATOR
John Broatch, Vancouver, British Columbia, Canada
Application December 20, 1934, Serial No. 758,523
2 Claims. (Cl. 209—49)

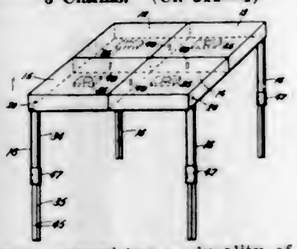
1. A metallic mineral recovery device comprising a drum having on its outer periphery a spiral duct having an inlet and an outlet, an

outer cover for the drum, said cover being adapted to support a belt coated with a metallic particle entrapping substance at the outer periphery



of the duct, means for rotating the drum within the cover, and means for continuously feeding the belt between the cover and the drum.

2,101,573
COLLAPSIBLE AND SEPARABLE TABLE
Walter G. Cramer and Eugene Bachelier, Cincinnati, Ohio
Application January 15, 1936, Serial No. 59,255
6 Claims. (Cl. 311—4)

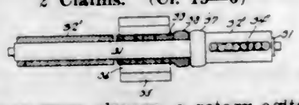


1. A table comprising a plurality of separate top sections detachably secured together, and including a plurality of legs, and means for securing the legs selectively to corner locations or central locations of the separate top sections.

2,101,574
HARDENING OF PROTEINS
Charles Dangelmajer, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 12, 1935, Serial No. 16,022
6 Claims. (Cl. 91—68)

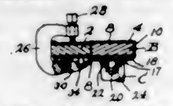
1. A process comprising coating fibrous material with a composition comprising protein, a protein hardening agent, pigment and a water soluble fatty acid amide and drying the coated material.

2,101,575
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application December 4, 1935, Serial No. 53,619
2 Claims. (Cl. 15—6)



1. In a vacuum cleaner, a rotary agitator including a spindle, brushing and beating elements mounted thereon, said elements being rotatable relative to each other, and means for rotating said elements independently.

2,101,576
ADJUSTABLE LADDER LEG
Benn F. Fenton, Kansas City, Mo.
Application April 27, 1937, Serial No. 139,222
9 Claims. (Cl. 228—63)



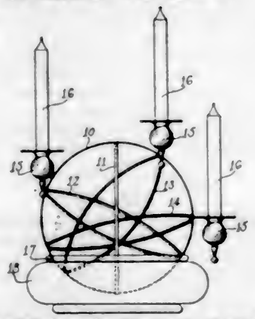
1. A device of the character described comprising a leg adapted to be adjusted longitudinally on either rail of a ladder, a member adapted to embrace said leg and the adjacent rail and having a recess at its lower end to fit over one of the ladder rungs, and clamp means for forcing said member into frictional engagement with the leg and the rail to prevent the former from slipping upon the latter.

2,101,577
WINDOW SASH BALANCE
Martin J. Gossen, Milwaukee, Wis.
Application May 9, 1936, Serial No. 78,777
8 Claims. (Cl. 20—52)



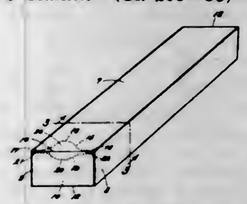
1. In combination with a sash slidably mounted in a window frame having vertical grooves, a counterbalancing means for the sash comprising fixed slotted tubes mounted in the grooves of the opposite side portions of the frame, coiled spring lifting members positioned within the tubes and having their upper end portions secured adjacent the upper end portions of the tubes, the lower end portions of the lifting members extending through the slots and connected to the sash, and yielding means integral with the tubes and between the sash and the tubes for frictionally holding the sash in any position of adjustment.

2,101,578
CANDELABRA
Tom Hall, New York, N. Y., assignor to Charles S. Robinson, Sandy Hook, Conn.
Application February 25, 1936, Serial No. 65,642
14 Claims. (Cl. 240—2)



10. A candelabra having an openwork body portion and candle sockets supported rigidly thereon in spaced relation to each other, and said body portion being provided with means to engage the upper rim portion of a container and support the candelabra therefrom with the candle sockets disposed above the container.

2,101,579
POWDER PUFF DISPENSER
Edna Hamer, Sioux Falls, S. Dak.
Application June 8, 1936, Serial No. 84,106
6 Claims. (Cl. 206—56)



1. The combination of an elongated vertical container having a bottom of relatively small area, and a front wall meeting the bottom along a corner line, said corner line being included between substantially coextensive irregular lines of perforations at opposite sides thereof, formed in the front wall and bottom of the container, the perforations defining a pinch-out portion which includes the entire corner line and wedge-shaped parts of both the bottom and front wall.

2,101,580
PROCESS FOR OBTAINING BRIGHT ZINC COATING
John A. Henricks, Chicago, Ill., assignor to Udylite Company, Detroit, Mich., a corporation of Indiana
No Drawing. Application May 2, 1936, Serial No. 77,527
10 Claims. (Cl. 204—18)

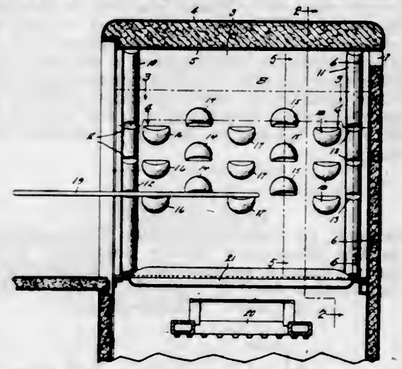
1. The method of electrodepositing zinc, comprising electrodepositing the said metal from a cyanide plating solution containing an ammonium thiocyanate formaldehyde resin which is soluble in the cyanide plating solution.

2,101,581
PROCESS FOR OBTAINING BRIGHT ZINC COATING
John A. Henricks, Chicago, Ill., assignor to Udylite Company, Detroit, Mich., a corporation of Indiana
No Drawing. Application May 2, 1936, Serial No. 77,528
13 Claims. (Cl. 204—18)

1. The method of electrodepositing zinc, comprising electrodepositing said metal from a cyanide plating solution containing a thiourea formaldehyde resin which is soluble in the cyanide plating solution.

2,101,582
OVEN LINING
John G. Hoff, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a corporation of Ohio
Application February 17, 1936, Serial No. 64,199
5 Claims. (Cl. 211—143)

1. In a device of the character described, the combination of a pair of oppositely disposed metal walls secured in rigid spaced relation and adapted to receive and to support a shelf, each of said walls having a plurality of rows of spaced projections pressed therefrom toward the opposite wall and arranged to provide a shelf support, the front and rear portions of said walls each having vertically extending stamped projecting portions also extending toward the opposite wall and having depressed portions therein



providing an additional support for said shelf and a shelf supported by said walls.

2,101,583
HAND TOOL FOR BORING, SAWING, AND RASPING WOOD AND LIKE MATERIALS
Friedrich August Hönneknövel, Remscheid-Bliedinghausen, Germany
Application December 5, 1934, Serial No. 756,037
In Germany December 13, 1933
2 Claims. (Cl. 145—117)



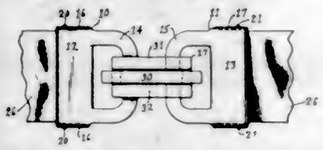
1. A hand tool for boring, sawing and rasping, more particularly for use in woodwork, consisting of a shank portion formed by a multi-edged rod having helically running edges and provided on all sides with saw teeth running to a point and bounded by the side surfaces of the rod and a borer, the diameter of the rod measured across the points of the saw teeth being the same over the whole length of the shank portion and being not more than the diameter of the borer.

2,101,584
METHOD FOR KILLING AND CONTROLLING ORGANISMS ON VARIOUS PLANT MATERIALS
Albert Horner, Kapaa, Kauai, Territory of Hawaii
No Drawing. Application June 22, 1934, Serial No. 731,886
3 Claims. (Cl. 21—60)

1. A method of killing mealy bugs, insects, animal organisms and fungi occurring upon

plant life and plant parts which consists in placing said parts in a closed chamber, submerging said plants in a liquid destructive to the said objectionable foreign organisms thereon and applying pressure to said liquid of a degree incompatible with the life of said organisms and thereby driving air from the interstices of the living plants by forcing the liquid into the body of the plants and thereafter suddenly releasing said pressure.

2,101,585
BELT BUCKLE
Jerome R. La Vigne, Waterbury, Conn., assignor to The Waterbury Buckle Company, Waterbury, Conn., a corporation of Connecticut
Application April 9, 1936, Serial No. 73,401
1 Claim. (Cl. 24—225)



In a belt buckle, a D-shaped open body member having a forward cross-bar, means on the rear of said member for attaching it to a belt, a raised rectangular frame connected between its ends to said cross-bar, said frame having a longitudinal aperture, one end of said frame beyond said aperture having an inclined cross-bar to facilitate the insertion of the interlocking tongue of a similar belt buckle body member and form a cam to frictionally engage said tongue.

2,101,586
SEAL
Harry Leach, Providence, R. I.
Application March 25, 1937, Serial No. 132,961
1 Claim. (Cl. 40—3)



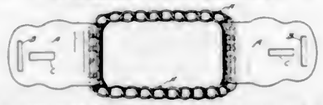
A seal comprising a strip of sheet material bent into substantially circular form, with the end portions of the strip overlapping, an offset extending completely across said strip at a point spaced from the end thereof, a slot in said offset, the other end portion of the band being of a narrowed width to be guided over the outer surface of the band between the slot and the end in entering and passing through said slot, said narrowed end portion being provided with a plurality of notches on its opposite edges to grip the end walls of said slot and secure the strip in band form.

2,101,587
INSECTICIDAL PRODUCT AND PROCESS
Arthur A. Levine and Robert W. McAllister, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 22, 1935, Serial No. 32,588
5 Claims. (Cl. 167—22)

1. An insecticide comprising cyclohexene oxide.

2. A mothicide and moth repellent comprising cyclohexene oxide.

2,101,588
EMERGENCY CHAIN FOR AUTOMOBILE TIRES
Herman W. Lisowitz, Uniontown, Pa.
Application January 9, 1937, Serial No. 119,793
2 Claims. (Cl. 152—14)



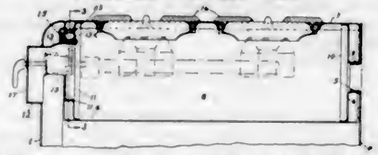
2. An emergency chain for automobile tires, consisting of two metallic side-plates each of which is provided with transverse and longitudinal slots one of which is adapted to receive a snap-hook or strap and the other a T-shaped connection on the ends of a strap, in combination with a continuous chain which is adapted to move laterally through the channels formed between said side-plates all substantially as shown and for the purposes described.

2,101,589
BUILDING CORNER UNIT
Robert S. Maclean, Michigan City, Ind., assignor to Mastic Asphalt Corporation, a corporation of Indiana
Application April 24, 1936, Serial No. 76,212
4 Claims. (Cl. 20—5)



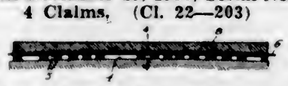
4. A rigid corner unit of the type described constructed from a rigid bent composition board, weather-proof material, coating the exterior surface of said board, reinforcing means adhering to the inside and outside of said board at said bend, said material covering said outer reinforcing means.

2,101,590
STOVE TOP
Herchael Wood Miller, Davenport, Iowa
Application April 19, 1937, Serial No. 137,706
9 Claims. (Cl. 126—214)



2. In a stove, a top section having ends and a pair of top faces, trunnions for pivotally mounting said top section, said section being rotatable about the axes of said trunnions, and the faces of said section being capable of being brought selectively approximately into the plane of the stove top.

2,101,591
METHOD OF PRODUCING ELECTROTYPE PLATES
Marshall H. Muse, New York, N. Y.
Application December 19, 1936, Serial No. 116,691
4 Claims. (Cl. 22—203)



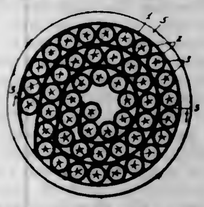
1. The method of producing electrolytic printing plates which consists in supporting the shell with its printing face in contact with a smooth convex surface, applying pressure to the back of the shell to conform its printing face to the convex surface, pouring the molten backing metal thereon while the pressure is maintained, and thereafter straightening the plate.

2,101,592
NOVELTY DISPLAY
Marie Y. Ogg, Lincoln Park, N. J.
Application July 17, 1936, Serial No. 91,091
1 Claim. (Cl. 40—126)



A novelty display, including a main supporting sheet like member, a second sheet like support attached thereto and having two spaced circular dots, a circular relatively thick insoluble disk having two spaced openings of a size greater than the sizes of the circular dots attached to the second sheet so that the dots are visible through the respective openings of the disk, said dots and openings simulating two eyes, the exterior of the disk being provided with other elements to simulate a face, and a tuft of fibrous material adhesively attached to the second sheet and arranged loosely about one edge of the disk to simulate the hair of the head formed by the disk.

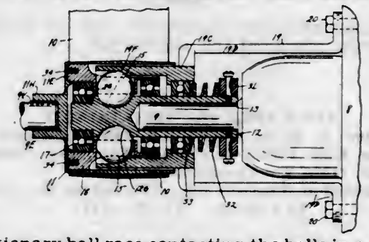
2,101,593
CIGARETTE STUB RECEIVER AND EXTINGUISHER
Frank C. Osborn, Manchester, Vt.
Application October 12, 1935, Serial No. 44,771
1 Claim. (Cl. 131—51)



A device of the character described comprising a strip of paper, a plurality of substantially tubular pockets formed of paper and having their upper ends open and their lower ends squeezed into a point of closed formation, and means for securing said pockets in spaced relation to one surface of said strip of paper without disturbing their tubular formation, said pockets being arranged to extend from near the top to near the bottom of said strip of paper and spaced sufficiently apart to permit coiling with substantially no loss of space.

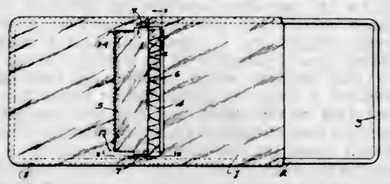
2,101,594
VARIABLE SPEED PULLEY
Otis Edward Pensbee, St. Paul, Minn., assignor of one-half to Samuel Meckler, St. Paul, Minn.
Application June 19, 1936, Serial No. 86,103
2 Claims. (Cl. 74—302)

1. A single-speed reducing device for motor drive shafts, said device comprising a stationary outer ball race member mounted on said motor concentric of its drive shaft and its ball race positioned outwardly of the end of the said drive shaft, a drive-shaft extension member with a sleeve part fixed on the drive shaft, a ball retainer rotatably carried by said extension member, a pulley carried by said ball retainer and extending over the stationary ball race member, an inner ball race at the outer part of said extension shaft and rotating in a plane outward of the stationary ball race, said ball retainer formed with a series of circularly arranged ball carrying and radially open pockets, a ball in each pocket exposed inwardly and outwardly of its pocket and contacting the said inner and outer races, said



stationary ball race contacting the balls in a plane inward of the plane of ball contact of the inner race, to roll the balls simultaneously, all said balls rotatable on a common angular plane to rotate the ball carrier by friction contact on a circle intermediate the ball races within the pockets and produce a predetermined pulley speed lower than the drive shaft speed, and means for continuously and yieldably compressing the balls into traction contact with the races.

2,101,595
CORRUGATED SLICER AND DETACHABLE SHREDDING SET
George Potstada, Oakland, Calif.
Application October 29, 1934, Serial No. 750,449
6 Claims. (Cl. 146—171)

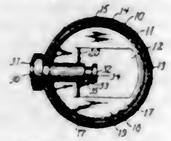


5. A device of the class described comprising a holder, an opening in the face of said holder, a slot on each side of said opening, a detachable slicing blade having a forwardly projecting cutting edge adapted to fit into said opening, bent down portions on said blade having slots opening rearwardly and adapted to hook into said first slots and to engage the edges of said first slots when the blade is moved backward and rearwardly projecting members on said blade adapted to slide under the back edge of said opening.

2,101,596
ADJUSTABLE HOLDER FOR LIPSTICKS AND THE LIKE
Howard F. Reichenbach, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut
Application May 1, 1936, Serial No. 77,341
3 Claims. (Cl. 206—56)

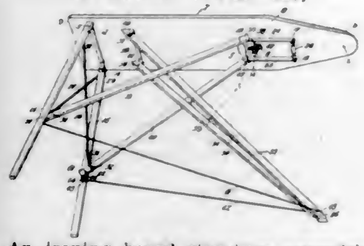
3. An adjustable holder of the class described including in combination: a hollow body having a slot therein; a carrier located in said hollow body and provided with yielding button-retaining means; and an operating-button having a

portion extending through the slot in the said body and provided with an outwardly-facing



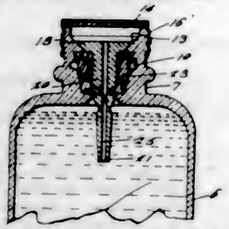
retaining-abutment engageable with the button-retaining means of the said carrier.

2,101,597
LOCKABLE IRONING BOARD
Chester A. Rich, Cincinnati, Ohio, assignor to The Rich Pump & Ladder Company, Cincinnati, Ohio, a corporation of Ohio
Application January 29, 1935, Serial No. 3,936
16 Claims. (Cl. 38—117)



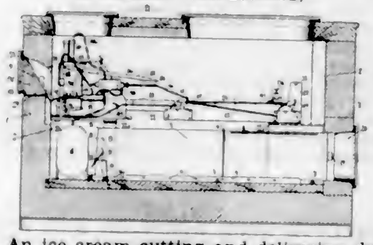
1. An ironing board structure comprising in combination a table member having a front end, a rear end, and an under surface, a rear leg structure pivoted upon the table member for movement to a collapsed position substantially flat against the under surface of the table member, and to an operative position at which it is extended relative to the table member, a toggle means comprising a toggle bar and a rear leg bracing means adapted to be inclined relative to the table member when the rear leg structure is extended, a front leg structure for supporting the front end of the table member and movable to extended and collapsed positions relative thereto, a latch piece on the front leg structure, a disengageable latch on the table member located adjacent to the toggle means when the ironing board structure is disposed in the operative position and arranged to engage the front leg latch piece in the collapsed position of the ironing board structure, and means to hold the front leg structure in the extended position during use of the ironing board.

2,101,598
NONREUSABLE BOTTLE
William Riedel, Lansdowne, Md.
Application March 17, 1937, Serial No. 131,468
1 Claim. (Cl. 215—32)



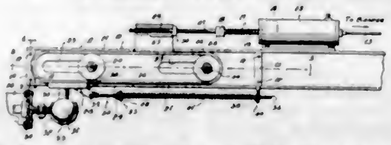
In a bottle construction having a neck, said neck being provided with a pair of longitudinally spaced shoulders therein, a valve-like closure head for disposition in the neck, a stem extending from the head and into the bottle a substantial distance, said head and stem having a duct extending longitudinally therethrough, and detent means on the stem interposed between the said shoulders, said detent consisting of a cup-shaped member of compressible material, the bottom of the cup-shaped member having an opening therein for receiving the stem, said stem being provided with a circumferentially extending groove for receiving the portion of the bottom of the cup surrounding the opening therein.

2,101,599
HOLDING AND SERVING MACHINE FOR ICE CREAM OR THE LIKE
Harry Sandiant, Wellington, New Zealand
Application December 1, 1936, Serial No. 113,735
In New Zealand November 28, 1935
19 Claims. (Cl. 107—21)



1. An ice cream cutting and delivering device, comprising a container for said ice cream, means for severing a portion of the ice cream, means for supporting and feeding said ice cream toward the severing means, driving means common to the severing means and the feeding means, means for selectively varying the extent of movement of the feeding means for regulating the quantity of ice cream to be severed, said supporting and feeding means comprising a conveyer frame, a conveyer movable over said frame toward the severing means, a supply spool for said conveyer rotatably mounted on said frame, and a waste paper spool rotatably mounted beneath said frame and operatively connected to said common driving means for winding the paper conveyer about said spool after the latter has delivered the ice cream to said severing means.

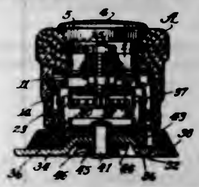
2,101,600
AUTOMATIC TRAILER BRAKE APPLIANCE
Amil Sandul, Humboldt, Minn., assignor of one-half to Phil Baldwin, Humboldt, Minn.
Application February 18, 1937, Serial No. 126,465
3 Claims. (Cl. 188—142)



1. In combination, a tongue attachable to a trailer, a body movable on the tongue attachable to a draft vehicle, brake applying mechanism for a trailer, means to operate the latter mechanism through movement of the body relatively to the tongue incident to application of the brakes of a draft vehicle, said body having elongated slots, axles on the tongue extending through the slots,

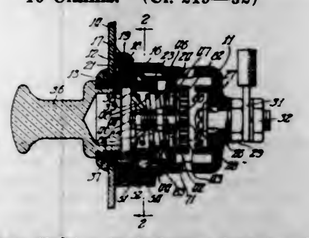
said body having flanges, wheels on the axles engaged by the flanges, said tongue having an elongated slot, a stud extending through said slot, a push rod for the brake-applying means carried by the stud.

2,101,601
CIGAR LIGHTER
John Sinko, Chicago, Ill.
Application January 16, 1935, Serial No. 2,087
20 Claims. (Cl. 219—32)



1. In a cigar lighter, a removable lighter unit comprising an integral tubular body of insulating material, a hub permanently supported by radially extending arms inside said body intermediate the ends, an igniting element having a stud extending through said hub for removably supporting the element in the hub in one end of the body, and a unit supporting ring inside the body surrounding the element and clamped between said element and hub.

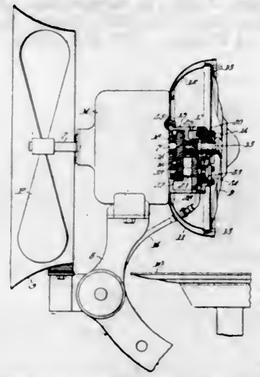
2,101,602
CIGAR LIGHTER
John Sinko, Chicago, Ill.
Application September 7, 1935, Serial No. 39,561
10 Claims. (Cl. 219—32)



1. A cigar lighter including a housing formed of insulating material, a threaded coupler secured at one end of said housing, an outwardly flanged ring screwed into said coupler for securing it to a suitable conductive support member, a conductor carried by the other end of said housing, a removable plug including a resistance element and extending into said housing through said ring, and means for electrically connecting said resistance element to said conductor and to said support member.

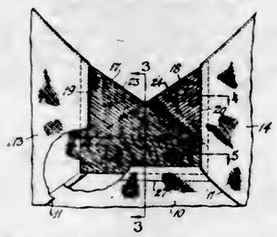
2,101,603
HUMIDIFIER
Samuel Carl Stimson, Winston-Salem, N. C., assignor to The Bahnson Company, Winston-Salem, N. C., a corporation of North Carolina
Application November 13, 1935, Serial No. 49,611
2 Claims. (Cl. 261—90)

1. A unit adapted to be used with a humidifier of the type including a motor having a casing and a shaft, and a fan and a disk mounted upon opposite ends of said motor shaft; said unit comprising a gear box adapted to be secured to said motor casing, a shaft in said gear box, a disk mounted on said gear box shaft, a gear adapted to be secured to the shaft of the motor, a transmission train connecting said gear and said disk



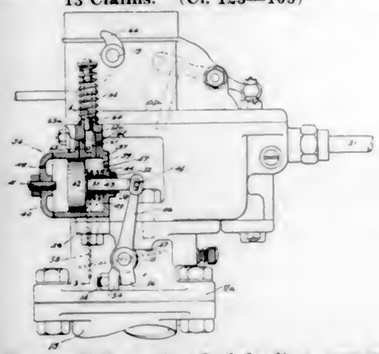
shaft for rotating the latter at higher speed than said gear, an atomizer ring at the periphery of said disk, and a casing enclosing said atomizer ring and disk, said second casing being adapted to be attached to said motor casing.

2,101,604
LADY'S UNDERGARMENT
Theodore J. Smutny, New York, N. Y., assignor to Collegiate Manufacturing Co., Inc., New York, N. Y., a corporation of New York
Application August 5, 1937, Serial No. 157,469
3 Claims. (Cl. 2—73)



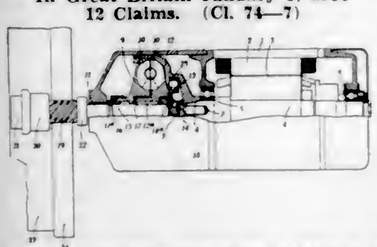
1. An intimate garment of the class described, comprising a tubular body member of material cut on the bias and adapted to encircle the body of the wearer below the bust line, and an upper member of material cut on the bias and adapted to encircle the body in the bust region, said upper member having panels at the back of the garment, the upper edge of the back having a cut-out substantially at the center, said cut-out having bottom and side edges, the latter being at an angle to the bottom edge, a pair of partially overlapping elastic inserts of substantially triangular configuration secured at their edges to the edges of the cut-out, the inserts also having continuous horizontally disposed bottom edges secured to the lower edge of the cut-out, one side edge of each of the inserts being secured to a side edge of the cut-out, said inserts being positioned so that their principal direction of stretch is at an angle to each of the edges of the cut-out, whereby upon bodily movement of the wearer strain is reduced at the point of juncture of the edges of the cut-out and a freely swinging movement of the body is permitted without binding or other discomfort to the wearer.

2,101,605
AUTOMATIC THROTTLE CONTROL
Edward A. Winfield, La Canada, Calif., assignor to California Machinery & Supply Co., Ltd., Los Angeles, Calif., a corporation of Delaware
Application June 13, 1936, Serial No. 85,092
13 Claims. (Cl. 123—103)



1. In a vehicle engine fuel feeding apparatus including a suction passage containing a throttle and having an air inlet and an outlet; means for supplying fuel to said passage through an orifice that is closed by said throttle when the throttle is fully closed, but which is opened by the throttle as the latter is slightly opened, means tending normally to maintain said throttle in partially open position during idling engine operation, and means for moving said throttle to fully closed position in which the throttle closes said orifice, when the engine is being driven by the vehicle.

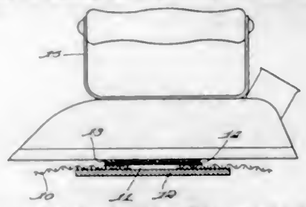
2,101,606
ENGINE STARTER
John Ayres, Carshalton, England, assignor to Bryce Limited, Hackbridge, Surrey, England
Application January 4, 1937, Serial No. 119,053
In Great Britain January 9, 1936
12 Claims. (Cl. 74—7)



1. An engine starter including an electric motor and a pinion arranged to be driven from the motor armature shaft, characterized by fluid coupling means interposed between the motor and the pinion for protecting the starter against excessive load and back-fire shocks and consequent breakdown during operation, said coupling means comprising a driving member positively rotatable with the motor armature shaft, a co-acting driven member, and spring means urging the driven member into frictional engagement with said driving member.

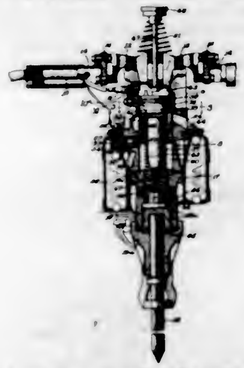
2,101,607
PATCHING MATERIAL
David Julian Block, Winnetka, Ill., assignor to Abraham Appel, Chicago, Ill.
Application July 17, 1935, Serial No. 31,946
1 Claim. (Cl. 2—243)

In the patching of fabric with a fabric patch containing a tacky adhesive, the steps of applying the patch to the fabric, and pressing the patch onto the fabric while resting upon blotting paper covering the opening in the material



being patched, whereby the adhesive which would otherwise be exposed contacts the blotting paper and is rendered non-tacky thereby.

2,101,608
INTERNAL COMBUSTION HAMMER
Emmons R. Boddinghouse, Chicago, Ill., assignor to Gas Tool Patents Corporation, Chicago, Ill., a corporation of Delaware
Application August 13, 1934, Serial No. 739,553
9 Claims. (Cl. 123—7)



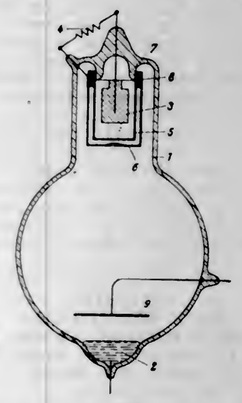
7. An internal combustion hammer comprising a cylinder provided with cooling fins extending radially outwardly therefrom and projecting longitudinally of the cylinder above the upper end thereof, handle supporting means, and a plunger guide carried by said fins above said cylinder and constructed to afford unobstructed passages between said fins to facilitate unrestricted upward flow of air between said fins.

2,101,609
TRAP
Lightle J. Cheek, Little Rock, Ark., assignor of one-third to H. M. Cheek, North Little Rock, Ark., and one-third to Golden Blount, Searcy, Ark.
Application December 5, 1935, Serial No. 53,071
Renewed September 9, 1937
4 Claims. (Cl. 43—76)



1. A trap including a receiving compartment, a bait compartment having an outlet into the receiving compartment and an inlet, guards at the sides of the inlet and outlet, a counterbalanced gate pivotally mounted between the guards at the inlet, a pivoted gate normally closed by gravity between the guards at the outlet, a tripping plate and a resetting plate tiltably mounted in superposed relation between the guards at the outlet, a bait carrying arm extending from the tripping plate and overlying the inlet gate, a resetting arm on the resetting plate, and means on the inlet gate and overlying the resetting arm for actuation by said arm to open the inlet gate.

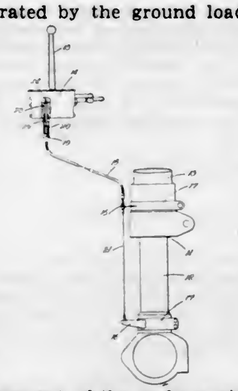
2,101,610
ELECTRIC DISCHARGE TUBE
Walter Dällenbach, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application September 27, 1935, Serial No. 42,498
In Germany October 5, 1934
10 Claims. (Cl. 250—27.5)



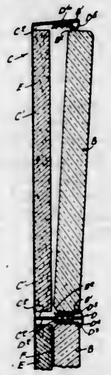
1. An electric discharge tube for the production of high frequency oscillations comprising a closed vessel, an anode, a cathode, an ionizable medium of sufficient pressure to maintain an arc-like discharge between said electrodes when potentials are applied to the latter, a plurality of walls slightly spaced from each other and being disposed between the electrodes and having aligned openings therein, each of said openings having a diameter of the order of the magnitude of the mean free path lengths of the particles of said medium, whereby the discharge path through said openings is constricted to a cross section corresponding to the order of the magnitude of the mean free path of the particles in the ionizable medium and the prevailing current density of said discharge adjacent said openings causes an ion paucity whereby the potential drop in the vessel increases with increase of current.

2,101,611
LOCKING MEANS FOR RETRACTABLE AIRCRAFT LANDING GEAR
George Herbert Dowty, Cheltenham, England
Application June 22, 1937, Serial No. 149,770
In Great Britain March 12, 1936
8 Claims. (Cl. 244—102)

1. In an aircraft undercarriage, retracting means for moving the undercarriage from an operative to an inoperative position, such undercarriage including yieldable shock-absorbing means under ground load, locking means to prevent operation of the retracting means, and means operated by the ground load shock absorbing movement of the undercarriage to actuate the locking means.



2,101,612
PANEL MOUNTING
Charles G. Duffy, Brooklyn, N. Y., assignor to Sealed Joint Products Co., Inc., a corporation of Delaware
Application August 22, 1936, Serial No. 97,473
21 Claims. (Cl. 72—19)



1. In or for building construction, the combination of panel members arranged in courses and supporting devices for the courses of panel members located between the courses and presenting each a pair of oppositely extending beads engaging the panel members in adjacent courses at their edges to hold the same in place, and a portion adjacent the beads against which the panel members rest when in place, said supporting devices being yieldable rearwardly of the beads to allow the beads to be moved as a unit in permitting the panel members to be snapped into place between a pair of such devices, said devices also presenting visible portions between adjacent courses to lend a finished appearance to the construction.

2,101,613
HIGH SPEED SEAGOING SHIP
Rudolf Engelmann, Berlin, Germany
Application January 18, 1935, Serial No. 2,315
14 Claims. (Cl. 114—59)

1. A high speed seagoing ship having a substantially spindle-shaped underwater body, a su-

perstructure projecting upward from said body, the periphery of the plane of intersection between said body and said superstructure lying in a single plane, such plane being also the same plane as the operating water line, the upper edge of said superstructure in a side view of the ship presenting for a portion intermediate its length



a straight line which at each end curves convexly toward and as far as the upper edge of said underwater body, the side walls of the end portions of said superstructure being slightly arched outward, said side walls meeting in a vertical plane through the longitudinal axis of the ship to form a roof.

2,101,614

METHOD OF MAKING A PAVING MATERIAL

James W. Fraser, Cleveland, Ohio

No Drawing. Application August 26, 1935, Serial No. 37,981

3 Claims. (Cl. 106—31)

1. The method of making paving material which comprises cold-mixing maltha-containing rock material having a maltha content of approximately three per cent by weight with asphaltic cement made liquid by 25 to 40 parts by weight of solvent, such as naptha, to thereby obtain a ratio of extracted maltha to cement of approximately 1:4.

2,101,615

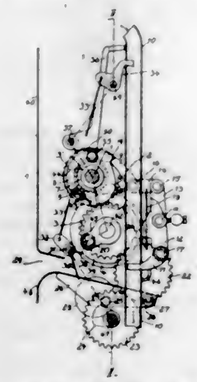
COIN CONTROLLED PREPAYING MACHINE FOR MAIL

Wilhelm Friedrichs, Reinickendorf-Ost, near Berlin, Germany

Application November 21, 1934, Serial No. 754,137

In Germany April 23, 1930

14 Claims. (Cl. 194—19)



1. In a coin-controlled prepaying machine for mail, a printing member, coin controlled mechanism for operating said printing member, a coin chute for conducting coins to said mechanism, a gate adapted to be moved by an article to be mailed, and means operatively connected to said gate for retaining a coin inserted in said chute and adapted to be rendered inoperative upon movement of the gate by an article to be mailed.

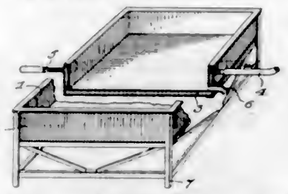
2,101,616

VITREOUS ENAMELING PROCESS

Herman F. Gilbert, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, a corporation of Michigan

Substitute for application Serial No. 683,457, August 3, 1933. This application February 23, 1937, Serial No. 127,284

4 Claims. (Cl. 91—72)



1. The process of vitreous enameling which comprises milling a mass of enamel frit, opacifying agent, setting up agent and water, whereby the mass becomes heated and aerated, aging the resulting mixture for an extended period to cool the same and remove air, thus producing an enamel slip of a predetermined viscosity, dipping articles to be coated into the slip, the temperature of the slip being directly controlled throughout the active life thereof to prevent a temperature change after the completion of the aging operation of more than 25° F., and maintaining the temperature thereof after aging below a maximum of 85° F. whereby the predetermined viscosity is maintained substantially constant.

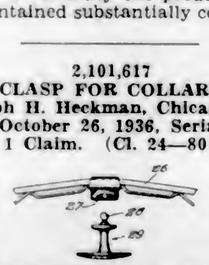
2,101,617

CLASP FOR COLLARS

Joseph H. Heckman, Chicago, Ill.

Application October 26, 1936, Serial No. 107,676

1 Claim. (Cl. 24—80)



Apparatus for holding a collar and tie in proper position, including: a transverse bar member of sufficient length to extend from one front edge portion of said collar to the other front edge portion thereof, beneath said tie; means on each end of said bar adapted to frictionally engage the edge portions of said collar; a collar button member adapted to be received by registering openings in each end of the band of said collar; a ball on one of said members; and a cup shaped socket on the other of said members having spring means therein and adapted to yieldingly retain said ball, movement of said ball member into and out of said socket being in a substantially horizontal direction.

2,101,618

ENDLESS TRACK FOR VEHICLES

Adolphe Kegresse, Paris, France

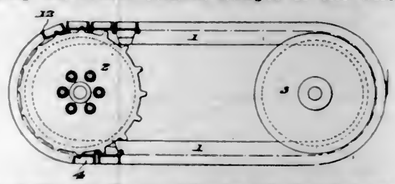
Application May 22, 1935, Serial No. 22,895

In France May 29, 1934

5 Claims. (Cl. 305—8)

1. An endless track vehicle comprising spaced carrying wheels each formed of two axially spaced parallel discs, each of said discs being provided at its periphery with a frusto-conical flange, and an endless track extending about said wheels, said endless track comprising pivotally connected tread plates and guiding ribs

projecting from the inner faces of the plates, said ribs having inclined base portions for engaging the frusto-conical flanges of the wheels,



and teeth on the peripheries of the flanges of one of said wheels extending through openings in said plates for transmitting driving motion from said wheel to said track.

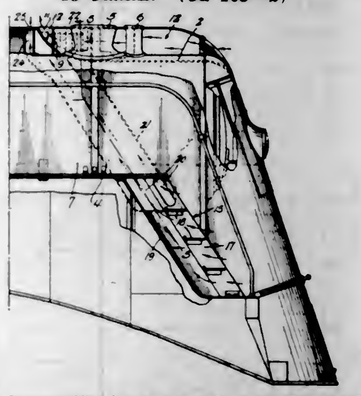
2,101,619

LOCOMOTIVE STRUCTURE

William L. Lentz, Tuckahoe, N. Y., and Carl F. Kantola, Ashtabula, Ohio, assignors to The New York Central Railroad Company, a corporation of New York

Application September 26, 1935, Serial No. 42,344

13 Claims. (Cl. 105—2)



1. A locomotive having a cab, a smoke stack located forwardly of the cab, an air scoop adjacent said stack and at least partially surrounding the stack and having an inclined surface for directing the scooped air upwardly to lift the smoke issuing from the stack to a level above the level of the cab, air scoops at the front and on opposite sides of the locomotive and having inclined surfaces for directing air upwardly and rearwardly, and air conductors leading from the second-named scoops to and communicating with the first-named scoop.

2,101,620

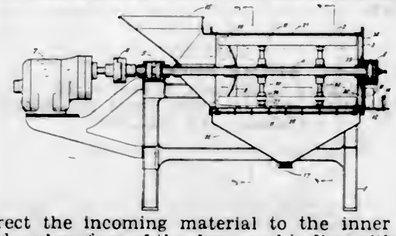
PULPER

Harold R. Lewis, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application February 12, 1934, Serial No. 710,781

11 Claims. (Cl. 146—174)

1. A pulping machine including a perforated drum, a shaft extending longitudinally therewithin, means for driving said shaft, and a sweep secured to said shaft for rotation therewith to sweep material around the drum and force it against the perforations in said drum, the relation between the curvature of the inner surface of the drum and the path of revolution of the sweep being such that the sweep alternately approaches and recedes from the surface of the drum as it revolves, and a baffle having spaced beater blades cooperating with the said sweep to



direct the incoming material to the inner peripheral surface of the drum and in line with the travel of the sweep.

2,101,621

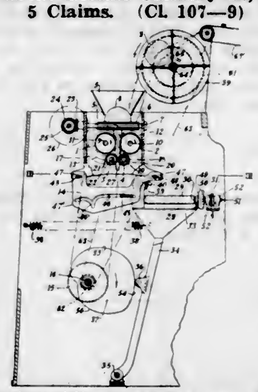
DOUGH MOLDING MACHINE

Louis Jacob Philipp Maas, London, England

Application January 22, 1937, Serial No. 121,873

In Great Britain January 24, 1936

5 Claims. (Cl. 107—9)



1. A dough molding machine comprising a carrier having a flap, means for feeding a flattened piece of dough onto said flap and carrier, means for oscillating said flap relatively to said carrier for the purpose of folding the dough fed to it and the carrier, and means for reciprocating said carrier relatively to said feeding means for the purpose hereinbefore set forth.

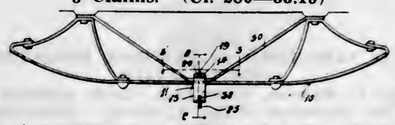
2,101,622

TRAILER HITCH COUPLING

Robert R. D. Milligan, Portland, Ind.

Application March 4, 1937, Serial No. 129,036

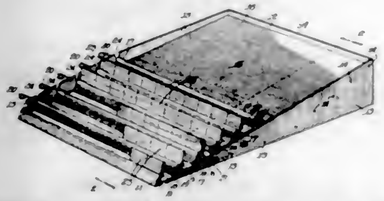
3 Claims. (Cl. 280—33.15)



1. A coupling device of the class described for engagement with a bumper or the like, the device comprising one sheet of metal having an intermediate portion, a jaw extending from said intermediate portion, a portion extending from the intermediate portion in the opposite direction to the jaw and returned past the intermediate portion and terminating in a hook lug, the returned portion and part of the second mentioned portion beneath it having an aperture

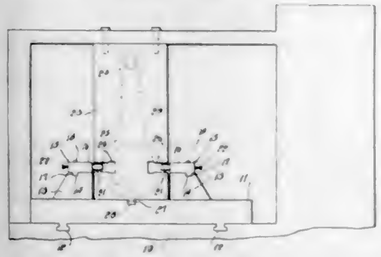
therethrough for the reception of a trailer drawbar, a bolt pivoted to the hook lug, and fastening means on the bolt for clamping engagement with the jaw.

2,101,623
STAMP SUPPORT
Richard O. Morgan, Evanston, Ill.
Application May 18, 1936, Serial No. 80,428
6 Claims. (Cl. 206—73)



4. In apparatus of the character set forth, a casing equipped with downwardly and forwardly inclined sides, plate dividers pivotally supported in said sides and in stepped relation, each of said dividers being provided near its forward portion with an upwardly extending shoulder spaced a short distance ahead of the front edge of the divider thereabove.

2,101,624
CUTTING JIG
Anthony S. Muller, Pontiac, Mich.
Application June 25, 1936, Serial No. 87,277
3 Claims. (Cl. 90—33)



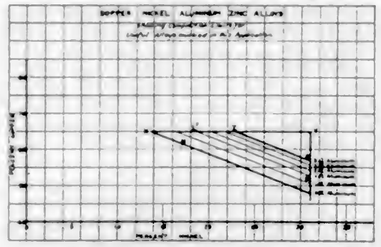
1. A device of the class described comprising a machine body, a bed movable on said body, a work holding plate suspended on said body and beneath which the bed moves, said plates resting on and being supported by the bed, and jig means on said bed on opposite sides of the plate to coact with work supported by the plate.

2,101,625
HIGH STRENGTH CORROSION RESISTANT COPPER ALLOY
Elmer L. Munson, Naugatuck, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application June 1, 1937, Serial No. 145,744
7 Claims. (Cl. 148—32)

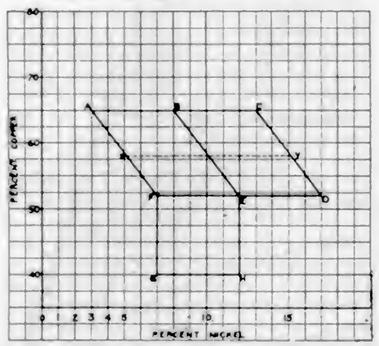
1. An alloy composed of copper, nickel, zinc, and aluminum within the following ranges:

	Percent
Copper	48 to 65
Nickel	13.5 to 31
Aluminum	0.5 to 3
Zinc (plus impurities)	1 to 21

and in which the copper range for a given aluminum content is increased progressively as the nickel is increased.



2,101,626
HOT WORKABLE COPPER ALLOYS
Elmer L. Munson, Naugatuck, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application July 13, 1937, Serial No. 153,332
8 Claims. (Cl. 75—155)



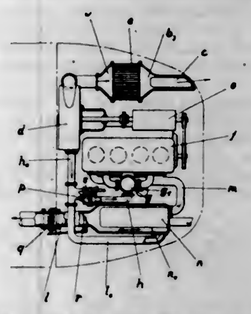
1. An alloy composed of copper, nickel, zinc and aluminum in proportions within the following ranges,

	Percent
Copper	40 to 65
Nickel	3 to 17
Aluminum	0.5 to 3
Zinc (plus impurities)	19 to 52.5

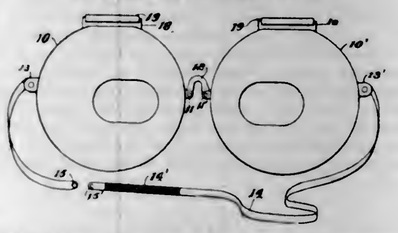
and in which as the copper is decreased from 65% to 52% the minimum nickel is increased from 3% at 65% copper up to 7% at 52% copper and the maximum nickel content increases from 13% at 65% copper to 17% at 52% copper; and with from 52% to 40% copper the nickel content is limited to the range 7% to 12%.

2,101,627
MOTOR VEHICLE WITH COMPRESSED AIR COOLING
Fritz Nallinger, Stuttgart, Germany, assignor to Daimler-Benz A. G., Stuttgart-Unterturkheim, Germany
Application November 16, 1935, Serial No. 50,248
In Germany October 20, 1934
9 Claims. (Cl. 123—119)

1. In a power driven vehicle, the combination of a water-cooled internal combustion engine for driving the vehicle and a cooling water circulation system for the engine including a radiator with a pressure blower operatively connected to the engine for supplying cooling air under pressure to the radiator, an air-heating chamber arranged so as to be swept over by exhaust gases from the engine, an air delivery conduit for the pressure blower, a branch conduit in open communication with said air delivery conduit and arranged to deliver cooling air to the radiator, a second branch conduit in open communication with said air delivery conduit and arranged to supply air to the intake of the internal combustion engine and a third branch conduit arranged to deliver air to said heating chamber.



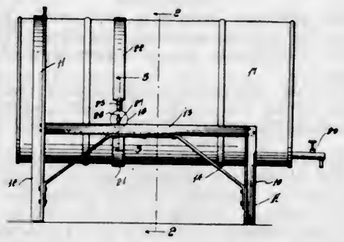
2,101,628
ICE BAG
Valerie B. Padelford, Washington, D. C.
Application February 18, 1935, Serial No. 7,125
Renewed January 13, 1937
4 Claims. (Cl. 150—2.3)



1. A temperature controlling device comprising a bag of a size to reach from adjacent the nose of a patient to a point beyond the eye, the bag having a ring-shape with its opening for the eye of the patient and having a soft inner wall adapted to fit and contact with the face above, below and at the sides thereof, the inner wall of the ring being of a width to extend from the inner edge of the eye to a point adjacent to the center of the face.

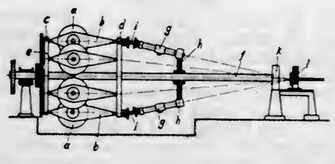
2,101,629
BARREL RACK
Lewis O. Porter, Ovid, Colo.
Application October 22, 1936, Serial No. 107,077
5 Claims. (Cl. 248—129)

1. A device of the class described comprising a rack having an arch member whose terminals constitute legs, track members extending from the arch member, legs secured to the free ends of said track members, supporting means coacting with the arch member adjacent the base of the latter, and said track members being engageable by means on a barrel adapted to enter



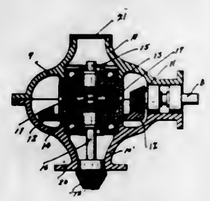
between the arch member and said supporting means.

2,101,630
MACHINE FOR PRODUCING ROPES FROM STEEL WIRES
Julius Rath, Lippstadt, Germany
Application February 1, 1937, Serial No. 123,496
In Germany June 26, 1936
3 Claims. (Cl. 117—20)



1. A machine for producing strands and ropes from steel wires, comprising in combination a rotary axle, carriers fixed near one end of said axle, reel frames rotatably mounted on said carriers, wire feeding reels one in each of said frames, a stationary laying die in the axis of said shaft, wire straightening devices one between each of said reels and said laying die, each straightening device rotatable about its wire as an axis, and means for driving the straightening devices in the same direction and at the same speed as the reel frames.

2,101,631
TRACTOR CONSTRUCTION
Evert O. Sarff, Roseburg, Oreg.
Application February 6, 1937, Serial No. 124,441
3 Claims. (Cl. 74—417)



1. In tractor construction embodying the use of frame, power unit, differential mechanism and ground wheels of old automobiles, a reduction gear system in the transmission line thereof, comprising a differential mechanism having a ring gear driven by the power unit, side gears driving axle shafts, and spider gears meshing with and welded to the side gears.

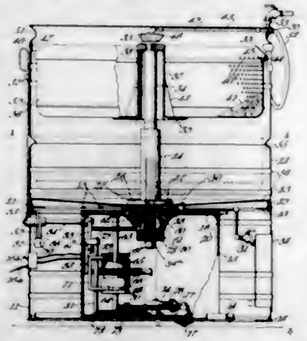
2,101,632
METHOD OF LUBRICATING BEARING SURFACES
William Whitney Weinrich, Pittsburgh, Pa., assignor to Gulf Research and Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Original application November 12, 1935, Serial No. 49,442. Divided and this application November 18, 1936, Serial No. 111,558
4 Claims. (Cl. 87—9)

1. A method of lubricating bearing surfaces in internal combustion engines when subjected to conditions of operation which comprises maintaining between bearing surfaces, one of which is an alloy formed chiefly of a metal selected from the class consisting of cadmium and copper, a film of lubricating oil which initially produces an effective lubricating action but which would normally tend to corrode the aforesaid alloy, and maintaining the effectiveness of the lubricating oil by incorporating therein tributyl phosphite in a small but sufficient proportion substantially to retard the corrosion.

2,101,633
FOOD PRODUCT AND PROCESS FOR MAKING SAME
Randall Whitaker, Samuel M. Weisberg, and Luther D. Hilker, Baltimore, Md., assignors to Sealtest System Laboratories, Inc., New York, N. Y., a corporation of Maryland
No Drawing. Application August 26, 1935, Serial No. 38,004
16 Claims. (Cl. 99—20)

10. The process of preparing an edible wafer or chip-like product which comprises forming of a composition including a colloidal dispersion of peptized casein in amount to constitute a bond for maintaining the structure of the product, forming the same into wafer or chip-like units, and heat-treating the units to produce a wafer or chip of crisp texture.

2,101,634
WASHING MACHINE
Arthur A. Aldridge, Paxtang, Pa., assignor of one-fourth to William A. Laird, Chambersburg, Pa., and one-half to William T. Gardner, Pittsburgh, Pa.
Application October 2, 1926, Serial No. 139,118
21 Claims. (Cl. 68—18)



1. In a washing machine, the combination of a tub, a perforated container for the clothes to be washed, means for elevating said container within said tub and rotating it for centrifugally drying the clothes, a removable lid for said tub, and means carried by said lid for supplying water for rinsing the clothes while said lid is in place on said tub.

6. In a washing machine, the combination of a tub, a perforated container, a vertically disposed driving shaft supporting said container and having a gear thereon, gearing adapted to positively engage said gear to oscillate said container, gearing for frictionally driving said gear to rotate said container continuously in one direction, power means, and means for alternatively connecting said power means to one or the other set of gearing.

8. In a washing machine, the combination of a tub, a perforated container having a centrally disposed hub projecting upwardly from the bottom of the container, outwardly projecting fins on said hub, radially disposed baffle plates within said container, and means for oscillating said container.

11. In a washing machine, the combination of a tub, a perforated container mounted for rotation within said tub on a vertical axis, said container having an annular trough depending therefrom adjacent its upper edge, and means for oscillating said container, raising said container and rotating said container at high speed to centrifugally force material from said trough.

2,101,635
RESIN DEHYDRATION
Howard L. Bender, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 16, 1931, Serial No. 530,721
7 Claims. (Cl. 106—22)

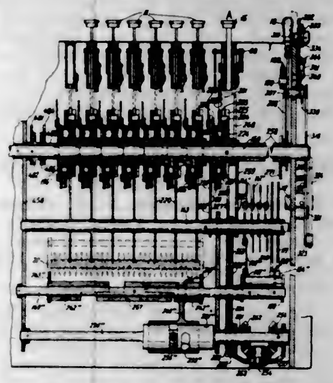
1. Process for removing volatile liquid from a fluid mixture including with the volatile liquid a synthetic resin hardening to a solid infusible state upon heating which comprises projecting the mixture in the form of finely divided particles into a current of relatively dry gas heated to a temperature causing volatilization of the liquid and sufficiently high to cause fusing and heat-hardening of the resin, and limiting the time of contact of the heated gas with the mixture so as to secure substantial removal of the liquid but without transforming the resin to its heat-hardened state.

2,101,636
CASH REGISTER, ACCOUNTING, AND THE LIKE MACHINE
Ernst Breitling, Berlin-Tempelhof, and Hans Schwenk, Berlin, Germany, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application October 5, 1935, Serial No. 43,730
In Germany February 15, 1935
10 Claims. (Cl. 235—7)

1. In a machine of the class specified, several control key banks, a machine conditioning means, a machine releasing means, and actuating means for said releasing means comprising a rockable member having a variable centre of movement controlled by said control key banks in cooperation with the machine conditioning means in accordance with the condition of the machine determined by the conditioning means.

5. In a machine of the class described, the combination of a plurality of totalizers on a common shiftable support, actuators therefor, means to shift the support to shift the totalizers relatively to the actuators to select a totalizer for actuation,

a plurality of keys, one of said keys normally controlling the shifting means to select a certain one of the totalizers, and a manipulative device to

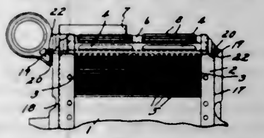


change the normal relationship between the shifting means and the keys so that said one of the keys selects another totalizer.

2,101,637
MULTIPLE ACTION THERMOSTAT
George Howlett Davis, Washington, D. C.
Application August 23, 1935, Serial No. 37,421
16 Claims. (Cl. 200—138)

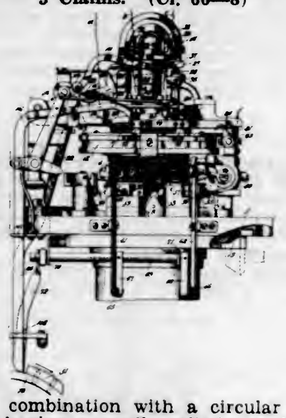
1. A multiple action thermostat for actuating electrically operated mechanisms in circuit therewith said thermostat comprising a bimetal blade which acts as a fixed thermostat and operates under slow or ordinary accidental fire conditions at a predetermined temperature for which it has been adjusted, a secondary quick-acting bimetal blade acting as a rate-of-rise thermostat and which operates independently under any sudden increase in the speed of movement of the heated air, and means for directing said rapidly moving heated air first and mostly against the said secondary bimetal blade.

2,101,638
VENTILATING SYSTEM FOR ARC LAMPS
Wayne D. Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application March 2, 1937, Serial No. 128,657
10 Claims. (Cl. 176—115)



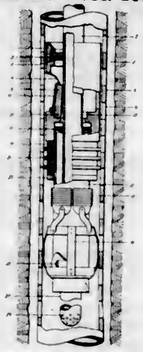
1. In an arc lamp, a housing having a ventilating zone in the upper portion thereof, a flue communicating with said zone, means for admitting air to said zone, and means above the first named means, for admitting air from the atmosphere directly to said flue.

2,101,639
CIRCULAR KNITTING MACHINE
Arthur A. Caudle, Hendersonville, N. C., assignor to James P. Grey, Charles L. Grey, and James P. Grey, Jr., a co-partnership doing business as Grey Hosiery Mills, Hendersonville, N. C.
Application December 8, 1934, Serial No. 756,692
3 Claims. (Cl. 66—8)



3. The combination with a circular knitting machine having a needle cylinder and a main knitting station with yarn feeding means and knitting cam mechanisms, of a plurality of auxiliary knitting stations spaced apart and from said main knitting station circumferentially of said cylinder, yarn feeding means at said auxiliary stations respectively, stitch cams at said auxiliary stations respectively, means for simultaneously moving said yarn feeding mechanisms between operative and inoperative positions, means for simultaneously moving said stitch cams betwen operative and inoperative positions, said auxiliary stations when active being adapted to knit a corresponding number of courses in addition to the course knit at the main station, and a single set of yarn clamping and cutting devices for acting on the yarns fed at all of said auxiliary stations.

2,101,640
METHOD AND APPARATUS FOR CEMENTING WELLS
William Cantwell Chonette, Ojai, and Robert H. Hamilton, Los Angeles, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 7, 1935, Serial No. 43,848
9 Claims. (Cl. 166—21)



1. In the process of cementing wells provided

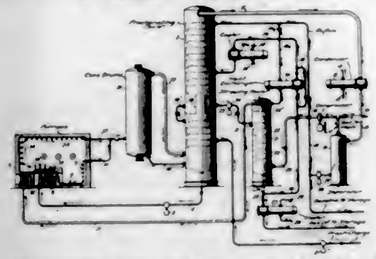
with casing, the steps of lowering thereinto a packer body detachably attached to a tubing string extending through the packer body, anchoring said body within the casing against upward motion, placing a fluid cementing mixture below the packer body withdrawing the tubing from the packer body, closing the bore in the packer body, and applying the mechanical pressure of the tubing string to the top of the packer body, said pressure being sufficient to move the packer body downward and to force the cementing mixture below the packer body into the space between the walls of the borehole and the casing.

2,101,641

METHOD OF PRODUCING COKE

Maurice B. Cooke, Plainfield, N. J., and Hermann C. Schutt, North Tarrytown, and John W. Throckmorton, New York, N. Y., assignors to Alco Products Incorporated, New York, N. Y., a corporation of Delaware

Application April 20, 1934, Serial No. 721,496
2 Claims. (Cl. 202—16)



1. A process for producing solid coke from asphaltums, asphaltic residuums or heavy petroleum oils, comprising the steps of passing the oil to a fractionating zone, withdrawing the residue therefrom, passing the residue to a heating zone and there heating the residue, passing the heated residue to a carbonizing zone, removing the uncondensed mixture of hydrocarbon vapors and gases from the fractionating zone, cooling the mixture sufficiently to condense the distillate therefrom and leave a substantially gasoline free lean gas, passing a stream of the lean gas to a stripping zone, withdrawing a side stream from the fractionating zone and passing it to the stripping zone, intimately contacting the lean gas in the stripping zone with the side stream and withdrawing the stripped side stream from the stripping zone, withdrawing from the stripping zone the mixture of lean gas and products stripped from the side stream, heating the gaseous mixture, physically mingling the heated gas with the heated residue passing to the carbonizing zone, effecting carbonizing of the condensate by the heated gas under time temperature conditions productive mainly of hydrocarbon vapors and a solid dry coke, and returning the vapors to the fractionating zone.

2,101,642

MOLDING COMPOSITION

Ernst Elbel and Fritz Seebach, Erkner, near Berlin, Germany, assignors to Bakelite Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application September 28, 1933, Serial No. 691,355. In Germany October 8, 1932
6 Claims. (Cl. 106—22)

1. Process of preparing a moldable composition from a phenol-aldehyde resin that is hardenable in a mold under the action of heat and pressure without detectable free ammonia in the molded article when hexamethylenetetramine is included as a hardening agent which comprises modifying the resin to a partial extent at least by esterification of the resin by a member of the group of acid anhydrides and acid chlorides, and mixing the ester-modified resin with a filler and with hexamethylenetetramine to act as a hardening agent for the resin in a molding operation.

2,101,643

PROCESS FOR THE FRACTIONATION OF PETROLEUM OILS

Ernest F. Engelke, Camden, N. J., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

No Drawing. Application July 30, 1930, Serial No. 471,887
11 Claims. (Cl. 196—13)

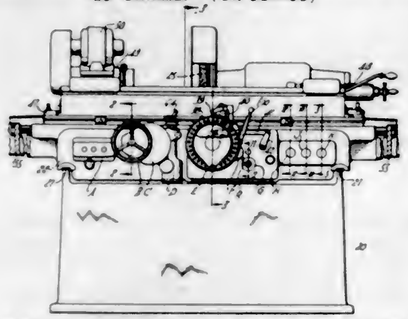
1. In the production of lubricating oils from petroleum oil residuums, the process which comprises thoroughly mixing the residuum with about an equal volume of a mixture comprising about two parts of a secondary amyl alcohol and about five parts of secondary butyl alcohol, adding to the resulting solution a volume of isopropyl alcohol sufficient to precipitate the desired fraction of oil, mixing this first precipitate formed with about an equal volume of a mixture comprising about two parts of a secondary amyl alcohol and about five parts of secondary butyl alcohol, again precipitating with about half the quantity of isopropyl alcohol previously used, again precipitating the first solution with isopropyl alcohol, and then separating the alcohol from the resulting oil fractions by distillation.

2,101,644

GRINDING MACHINE

Hans Ernst, Charles Herfurth, and Lester F. Nenninger, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio

Application September 10, 1935, Serial No. 39,951
19 Claims. (Cl. 51—95)



1. In a machine of the character described, the combination with a pair of relatively translatable parts, of a first hydraulic circuit effective to determine the translation of the parts, a second hydraulic circuit alternatively available for effecting corresponding movement of the parts, selector means for operatively coupling one or the other of said circuits with the parts to be shifted, settable means for predetermining the rate of movement to be effected by one of the circuits, and movable means included in the other circuit for effecting a rate of shifting of the parts proportionate to the rate of movement of said latter means.

2,101,645

INSECTICIDE AND FUNGICIDE

Robert A. Fulton and Willis Conard Fernelius, Columbus, Ohio, dedicated to the free use of the Public in the Territory of the United States of America

No Drawing. Application May 25, 1937, Serial No. 144,610
1 Claim. (Cl. 167—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

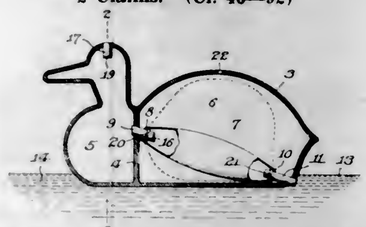
A material for use in combatting economically harmful plant and animal organisms, containing sulfur nitride as its essential active ingredient.

2,101,646

AQUATIC TOY

Burgess L. Gordon, Jr., Philadelphia, Pa., assignor to Hogan Inventions, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application November 28, 1936, Serial No. 113,108
Renewed September 20, 1937
2 Claims. (Cl. 46—92)



1. The combination of a hollow body constructed to float upon water and having a chamber therein whose walls are collapsible from a normal condition and automatically returnable to such condition to constitute an air pump, a stretchable rubber air bag carried by said body, a one-way valve admitting external air to said chamber, a one-way valve permitting air to pass from the chamber to the bag, and a part carried by said body and having an air passage extending therethrough, one end of said passage being in communication with said bag and the other end of said passage being exposed exteriorly of said body.

2,101,647

FLOTATION PROCESS

Herbert P. A. Groll, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 28, 1933, Serial No. 687,196
8 Claims. (Cl. 209—166)

1. A method of recovering minerals from ores which comprises subjecting an ore to a froth flotation operation in the presence of an isoalkenyl xanthate.

2,101,648

PROCESS AND PRODUCT RELATING TO UNSATURATED XANTHATES

Herbert Peter Augustus Groll, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 30, 1933, Serial No. 654,253
11 Claims. (Cl. 260—99.11)

1. A method of making unsaturated xanthates, which comprises providing a mixture of a monoolefinic aliphatic monohydric alcohol, containing at least four carbon atoms to the molecule, and possessing the general formula

wherein X represents an isoalkenyl radical and Y represents a substituent of the class consisting of hydrogen and alkyl radicals, X being linked to the carbinol group by an unsaturated tertiary carbon atom, carbon disulfide, caustic alkali and water, and causing a reaction to take place to form an unsaturated xanthate.

2,101,649

XANTHATES OF UNSATURATED SECONDARY ALCOHOLS AND PROCESS FOR THEIR PREPARATION

Herbert P. A. Groll, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 27, 1937, Serial No. 128,227
20 Claims. (Cl. 260—99.11)

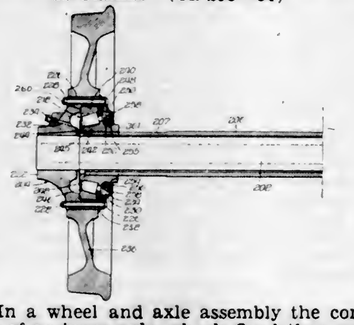
1. A process for the production of an unsaturated xanthate which comprises providing a mixture of an unsaturated secondary alcohol, carbon disulphide and a basic metal hydroxide, and causing reaction to take place resulting in formation of a metal xanthate of the unsaturated secondary alcohol.

2,101,650

INBOARD ROLLER BEARING UNIT

Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application December 15, 1934, Serial No. 757,597
12 Claims. (Cl. 295—36)



12. In a wheel and axle assembly the combination of an inner axle, wheels fixed thereon, an outer axle, single course anti-friction bearings mounted thereon within the planes of said wheels and comprising thrust means abutting the ends of said outer axle, load carrying members slidably supported on the said outer axle adjacent the ends thereof, and other means integral with said bearings respectively extending beyond the planes of said wheels for abutment of said load carrying members.

2,101,651

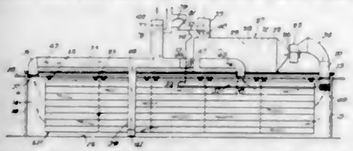
APPARATUS FOR AND METHOD OF COOLING BREAD

Wade W. Reece, Chicago, Ill., assignor to The W. E. Long Company, Chicago, Ill., a corporation of Illinois

Application March 28, 1932, Serial No. 601,568
21 Claims. (Cl. 107—54)

10. In cooling apparatus for bakery products, a cooling tunnel, means for conducting bakery products through said tunnel for cooling the same, means for causing a current of air of low

velocity to flow across a section of said tunnel adjacent the entrance end thereof, and means for



causing a stream of air of higher velocity to flow across a section of the tunnel adjacent the delivery end thereof.

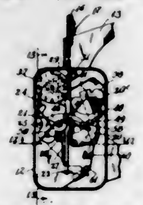
2,101,652

SAFETY EXPOSURE RECORDER FOR CAMERAS

Benjamin Robles, Palmira, Chuva, Guatemala

Application May 14, 1935, Serial No. 21,404

4 Claims. (Cl. 116—114)



1. In combination with a camera having a shutter operable with a depressible lever moving down and up for one exposure, a casing mounted on the front of said camera and having a window opening therein, a stem slidably mounted in said casing and having a rack portion thereon and adapted to be operatively connected with said depressible lever, a spindle pivotally mounted on said casing, a plate fixed on said spindle, a segmental gear fixed on said spindle and engaging said rack to pivot said plate when said stem is depressed, and a means engageable with a portion of said plate to indicate that said lever has been depressed, said means comprising a stud fixed on said casing, an indicator pivotally mounted on said stud and having indicating indicia on the face thereof and adapted to be viewed through said opening, a lug on said plate adapted to engage said indicator to pivot said indicator when said plate is pivoted by depressing and releasing said stem to change the indicia viewable through said opening.

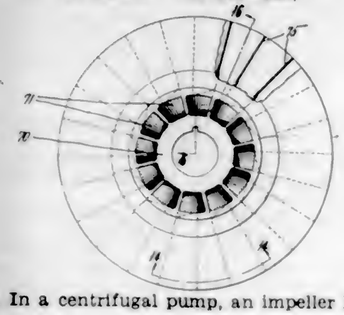
2,101,653

IMPELLER FOR CENTRIFUGAL PUMPS

Christopher A. Schellens, Marblehead, Mass., assignor to C-S Engineering Company, Englewood, N. J., a corporation of Delaware

Application September 1, 1934, Serial No. 742,461

12 Claims. (Cl. 103—115)



10. In a centrifugal pump, an impeller having a circular series of substantially contiguous inlet ports separated by thin blades at each side adjacent to the axis thereof and a single series of substantially contiguous discharge ports separated by thin blades along the circumference thereof, successive discharge ports communicating alternately with inlet ports at opposite sides of said impeller.

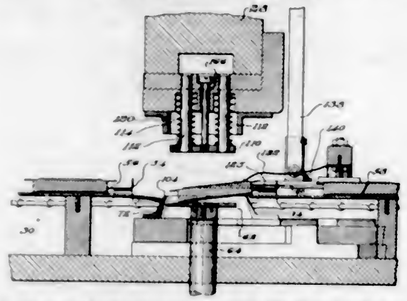
2,101,654

MACHINE FOR FINISHING MOLDED ARTICLES OF RUBBER

Edward A. Sheehan, Stoughton, Mass., assignor to Panther-Panco Rubber Co. Inc., Chelsea, Mass., a corporation of Massachusetts

Application January 23, 1934, Serial No. 707,956

3 Claims. (Cl. 164—20)



1. A machine for trimming heels or the like of rubber comprising a collapsible cavity die having a fixed heel portion and movable portions cooperating therewith to form the completed die, the die having a continuous peripheral cutting edge when in closed relationship, automatic feed means for advancing an article heel end foremost into contact with the heel portion of the die cavity, means for maintaining the trimming flange extended in the plane of the article to overlie the cutting edge, means for closing the die to force the article into a position determined by the fixed heel portion with the flange overlying the cutting edge, and means for engaging the article and forcing it inwardly of the cavity to shear the flange on the cutting edge.

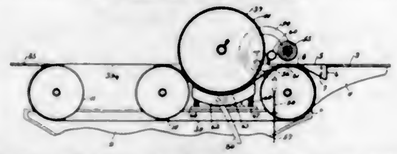
2,101,655

STEAMING AND PRESSING MACHINE

Wendell H. Shields, Grand Rapids, Mich.

Application January 13, 1936, Serial No. 58,992

6 Claims. (Cl. 38—3)



1. In a steaming and pressing machine, spaced apart rollers, an endless belt passing around said rollers, means for driving the rollers, a roller larger than the other rollers located between two of said first mentioned rollers and against the upper side of the belt and extending partially into the space between said rollers and bearing against one of said rollers through the said belt, means for driving the larger roller, means for feeding garments to be steamed and pressed onto the belt and underneath said larger roller, a shoe located underneath and adjacent the belt and under the larger roller and conforming at its upper side to the curvature of said upper roller and contacting therewith through said belt, and means for heating said shoe, said upper roller and with the roller against which the larger roller bears through the said belt, combined with means for steaming said garments before the same pass underneath said upper roller.

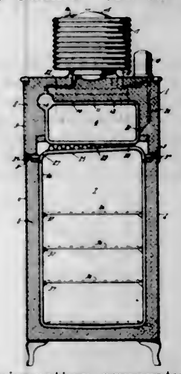
2,101,656

REFRIGERATING MACHINE

Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 22, 1935, Serial No. 2,912

18 Claims. (Cl. 62—99)



9. In a refrigerating apparatus having a primary refrigerant evaporator and a secondary refrigerant evaporator containing a body of liquid refrigerant, means for supplying liquid refrigerant to said primary evaporator and means including a resilient heat conducting member arranged between said primary and secondary evaporators in heat exchange relationship therewith for transferring heat from the refrigerant in said secondary evaporator to the refrigerant in said primary evaporator.

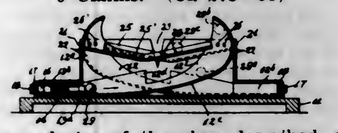
2,101,657

TWIN MARBLE SKILL GAME

Alexander Szabo, Linden, N. J.

Application July 23, 1937, Serial No. 155,194

6 Claims. (Cl. 273—95)



1. In a device of the class described, a body having a base portion and a top portion comprising several vertical walls dividing off a space with an open top, a pair of identical chutes longitudinally of said space and adjacent each other and extending in opposite directions and each having an outer portion and an inner portion, a ball shooter in the inner portion of each chute and operable from the outside of said base portion, means for holding the outer end of each chute vertically adjustable relative to said vertical walls for varying the inclination of the chutes, and a score board for each chute spaced from the outer end thereof and mounted on the outer end of the adjacent chute.

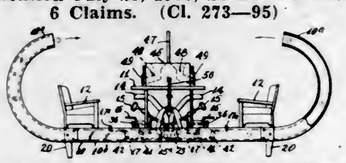
2,101,658

BALL RETURN AMUSEMENT DEVICE

Alexander Szabo, Linden, N. J.

Application July 23, 1937, Serial No. 155,195

6 Claims. (Cl. 273—95)



1. In a ball amusement device, a hollow body of substantially U-shape having its arms directed towards each other and having a flat portion connecting said arms so as to make a platform, a table mounted on the center of said platform, chairs mounted on said platform longitudinally thereof and on opposite sides of said table, other chairs mounted on said platform transversely thereof and on opposite sides of said table, a ball supply chute on each longitudinal side of said table and extending into the said hollow body, spring mechanisms within said hollow for shooting said balls through the hollow body so as to emerge from the ends of the arms thereof, handles for loading said mechanisms, foot pedals for shooting off said mechanisms, and foot controlled means for holding said balls in various positions relative to said shooting mechanism.

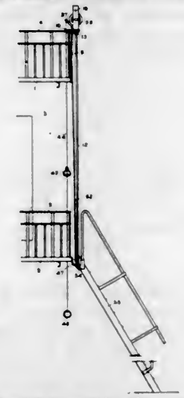
2,101,659

FIRE ESCAPE

Baldwin Vale, San Francisco, Calif.

Application August 26, 1936, Serial No. 97,933

3 Claims. (Cl. 228—17.3)



1. In combination with the upper and lower platforms of a fire escape; a pair of rigid guides terminating in a lower bracket having a fulcrum forward of said guides; a vertically movable stair engaging said guides and slidable on said fulcrum.

2,101,660

STAPLING MACHINE FOR CLOSING FLAPS OF CARTONS AND THE LIKE

Max Vogel, Frankfort-on-the-Main, Germany

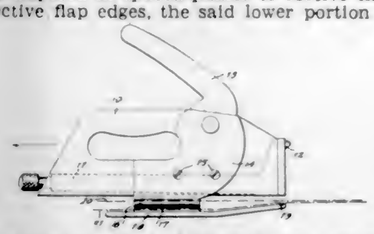
Application August 5, 1935, Serial No. 34,799

In Germany May 8, 1935

1 Claim. (Cl. 1—49)

In a stapling machine for stapling flaps of cartons or the like, a staple driving part, and a flap guiding base secured to said staple driving part formed from a single piece of sheet metal bent

to shape comprising a vertically disposed attaching portion, an upper horizontal flap supporting portion bent outwardly and then inwardly from said attaching portion to provide a material edge receiving recess, and a lower horizontal flap supporting portion bent from and extending in the opposite direction from said upper portion, said upper and lower portions being disposed in spaced planes to receive the respective flap edges, the said lower portion having a portion extended laterally with respect to said upper portion and inclined upwardly to a point contiguous to the plane of said upper portion and having a staple leg bending anvil surface also contiguous to the plane of said upper portion whereby the flap supported by the said upper portion remains substantially flat and the flap supported by said lower portion is guided upwardly into engagement with said first mentioned flap to be stapled.



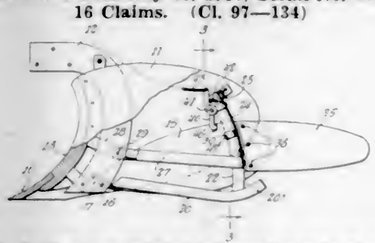
2,101,661

AUXILIARY MOLDBOARD ATTACHMENT FOR PLOWS

Mann E. Wagler, Milwaukee, Wis., assignor to Hunter Tractor & Machinery Co., Milwaukee, Wis., a corporation of Wisconsin

Application February 26, 1937, Serial No. 127,932

16 Claims. (Cl. 97—134)



13. A plow comprising a frame, a pair of main mold boards rigidly connected to the frame, and a pair of auxiliary mold boards disposed with at least their forward portions in overlapping engagement with the rear portions of the main mold board in all relative adjustments of the two, means floatably interconnecting the auxiliary mold boards with the frame to provide for the free vertical swinging movement thereof, and means for limiting the amount of free vertical swinging movement of the auxiliary mold boards.

2,101,662

SOCKET FOR TUBULAR LAMPS

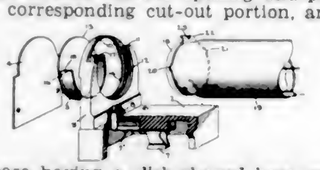
Kurt Wiegand, Hohenneuendorf, near Berlin, and Alexander Koenig, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York

Application December 8, 1936, Serial No. 114,844

In Germany December 18, 1935

4 Claims. (Cl. 173—328)

1. A holder for an end of a double base lamp comprising an insulating wall member having an annular opening with a cut-out portion and an annular groove opposite said cut-out portion, a terminal contact located in the bottom of the groove of said wall member, an insulating sleeve rotatable in said annular opening and provided with a corresponding cut-out portion, and said lamp base having a disk-shaped base provided with a contact projecting from the periphery thereof into said groove of said wall member whereby rotation of the lamp effects closure of the cut-out in the wall member and closure of the circuit thereof.



2,101,663

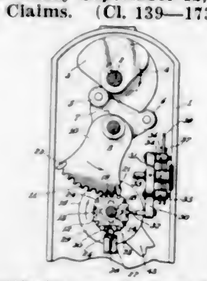
SHUTTLE BOX MECHANISM FOR LOOMS

Georg Wiget, Arbon, Switzerland, assignor to Societe Anonyme Adolphe Saurer, Arbon, Switzerland, a corporation of Switzerland

Application August 12, 1936, Serial No. 95,542

In Germany September 12, 1935

4 Claims. (Cl. 139—173)



1. In a shuttle box mechanism for looms, the combination of a shuttle box, a reciprocating driving gear, a driven gear for engagement with the driving gear and having diametrically opposed tooth gaps, each of which permits idling movement of the driving gear, a special tooth at the end of the range of gear teeth of the driving gear, which special tooth is wider in an axial direction than the gear teeth and by which the rotation of the driven gear is completed to a half rotation, and operative connections from the driven gear to the shuttle box.

2,101,664

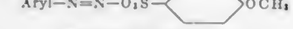
DIAZO SALT PREPARATIONS

Max Wyler, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 17, 1935, Serial No. 54,949. In Great Britain December 22, 1934

4 Claims. (Cl. 260—69)

2. The compound represented by the formula:



2,101,665

SYNCHRONOUS MOTOR

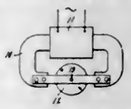
Ralph G. Arey, Swampscott, and Harold T. Faus, Lynn, Mass., assignors to General Electric Company, a corporation of New York

Application November 19, 1935, Serial No. 50,508

6 Claims. (Cl. 172—278)

1. A rotor element for synchronous motors

comprising a permanent magnet made of sintered



oxide which has a resistance above 500,000 ohms per cubic centimeter.

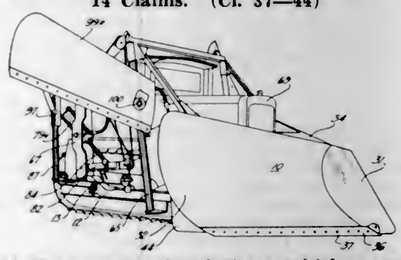
2,101,666

SNOW MOVING DEVICE

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

Application January 2, 1936, Serial No. 57,091

14 Claims. (Cl. 37—44)



14. In a snow moving device, a vehicle, a scraper blade mounted for vertical movement with reference to the vehicle, and means for moving the scraper blade including supporting plates on the vehicle, a jack having the cylinder thereof pivotally engaged between the supporting plates, a lever arm pivotally engaged between the supporting plates at a point below the jack, a pivotal connection between the ram of the jack and the lever, and means for conveying movement of the lever to the scraper blade.

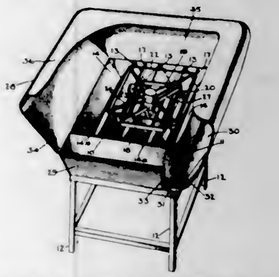
2,101,667

EXHAUST DEVICE

Henry J. Berman, River Forest, Ill., assignor to Edison General Electric Appliance Company, Chicago, Ill., a corporation of New York

Application May 16, 1935, Serial No. 21,839

6 Claims. (Cl. 15—15)



3. An exhaust device comprising an exhaust chamber, an openwork tray above said chamber, an openwork carriage supporting said tray, a track above said chamber supporting said carriage for longitudinal movement from the front to the rear of the chamber to carry the tray from the front to the rear, and means mounting said tray on said carriage for rotary motion on an axis substantially perpendicular to the plane of longitudinal movement of the tray.

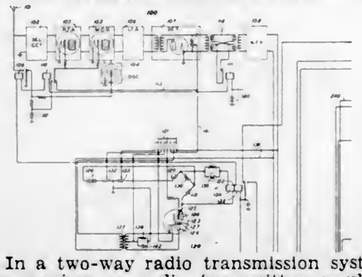
2,101,668

RADIO COMMUNICATION SYSTEM

John B. Bishop, Bloomfield, and William M. Knott, Fairlawn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1935, Serial No. 42,172

12 Claims. (Cl. 178—44)



5. In a two-way radio transmission system a radio receiver, a radio transmitter employing electric discharge devices, a source of power for energizing said devices, means responsive to the signal wave input of said transmitter for controlling an operative condition of said transmitter to render said transmitter operative for transmission of radio waves in the presence of a signal wave input and to prevent the transmission of radio waves in the absence of a signal wave input, time controlled means operative a predetermined time after the initiation of its operation to interrupt the supply of power from said source to said discharge devices, and means responsive to the cessation of signal input for initiating the operation of said time controlled means.

2,101,669

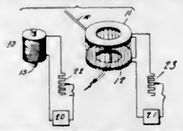
DEVICE FOR THE DEFLECTION OF ELECTRON BEAMS

Ernst Brüche and Walter Henneberg, Berlin-Reinickendorf-Ost, Germany, assignors to General Electric Company, a corporation of New York

Application August 5, 1935, Serial No. 34,852

In Germany August 22, 1934

5 Claims. (Cl. 250—27)



5. An electron deflecting device comprising means producing in a region traversed by an electron beam a substantially homogeneous electrostatic field transverse to the beam for deflecting the same, and means including a concentrated magnetic field source displaced from the axis of the beam for producing in the region of beam deflection a non-homogeneous magnetic field substantially transverse to the electrostatic field and to the beam, said magnetic field being of such nature and magnitude as substantially to neutralize the focusing effects of the electrostatic field.

2,101,670

RADIO FREQUENCY AMPLIFIER

Maurice Byk and Jehan de Mare, Paris, France, assignors to General Electric Company, a corporation of New York

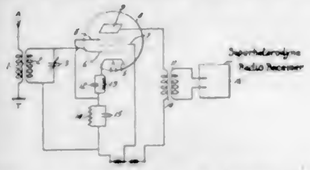
Application October 26, 1934, Serial No. 750,192

In France October 27, 1933

4 Claims. (Cl. 250—20)

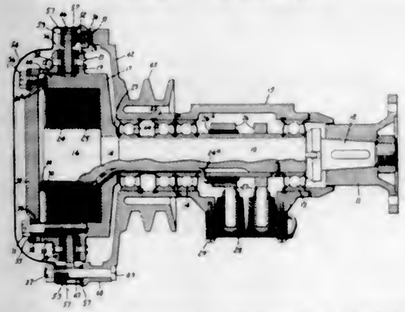
1. In a superheterodyne radio receiver, an elec-

tron discharge amplifier having an anode, a cathode and two grids, the combination of an input circuit connected between said cathode and one of said grids, an output circuit connected between said cathode and anode, a connection between the other of said two grids and said cathode, said other grid being maintained at the potential of said cathode, means to tune said



amplifier for operation at a desired frequency, and means to reduce the transfer through said amplifier of energy having a frequency equal to the intermediate frequency of said receiver and received in said circuit between said one grid and said cathode, said means comprising a circuit tuned to said intermediate frequency connected in a common portion of both of said circuits and said connection.

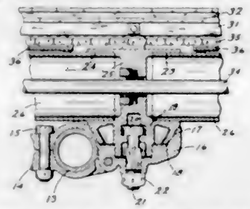
2,101,671
MAGNETIC CLUTCH
La Mar S. Cooper, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application May 5, 1936, Serial No. 78,006
10 Claims. (Cl. 192—84)



1. A magnetic clutch including a rotatable shaft, a central magnetic core carried by said shaft, a magnetic yoke mounted on said shaft, means including an armature mounted in an axially movable relation on and extending about said yoke for completing a magnetic circuit including said core and said yoke, a power transmitting member rotatably mounted about said shaft and surrounding said yoke, and means for magnetically operating said armature to provide a driving connection between said shaft and said power transmitting member.

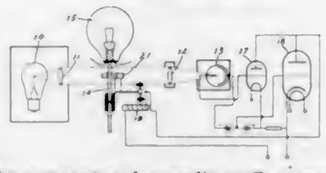
2,101,672
ROCK DRILL MOUNTING
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1935, Serial No. 13,524
Renewed February 23, 1937
4 Claims. (Cl. 121—9)

1. A rock drill feeding and guiding mechanism comprising an elongated hollow frame, a duality of elongated members secured thereon in spaced relation with each other, a guideway within each of said members within which the drill is free to slide, a fluid actuated mechanism within said frame, a flexible member connecting said feeding mechanism to said drill



for transmitting the movement of the former to the latter, and a stationary element extending longitudinally between said elongated members, said element having a guideway within which said flexible member is free to slide.

2,101,673
SEALING-OFF APPARATUS
Michael de Neumann, Budapest, Hungary, assignor to General Electric Company, a corporation of New York
Application December 16, 1935, Serial No. 54,773
In Germany December 24, 1934
3 Claims. (Cl. 49—2)



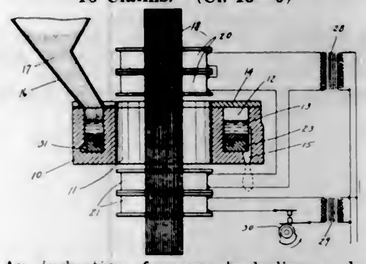
1. An apparatus for sealing-off a vessel containing a gas under pressure greater than atmospheric and provided with a vitreous tube connected to said vessel which comprises a pair of jaws, means for heating a portion of said tube to cause it to become plastic and means actuated by the incipient change of shape of said tube due to the internal gas pressure for closing said jaws against the plastic tube to compress and close it.

2,101,674
ANTENNA
Robert B. Dome, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 25, 1934, Serial No. 727,437
13 Claims. (Cl. 250—33)



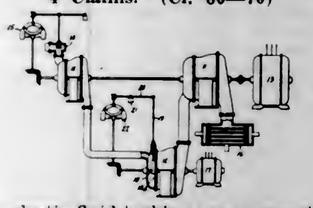
1. The combination of an antenna of the type having a capacity area at the top and an inductance connected between said capacity area and the top of said antenna, and means whereby said inductance is produced by the open end of a transmission line closed at the end remote from said area.

2,101,675
ELECTRIC FURNACE
John Ferguson, Indianapolis, Ind., assignor to Fairmount Glass Works, Incorporated, Indianapolis, Ind., a corporation
Application May 17, 1935, Serial No. 21,916
16 Claims. (Cl. 13—6)



1. An induction furnace including a hearth adapted to contain a charge of material, a primary winding supplied with alternating current, and a secondary conductor in heat exchange relation with the material on the hearth and inductively linked with the primary winding, said secondary conductor being in the form of a ring of relatively refractory resistance material having a core of less refractory conducting material of lower specific resistance.

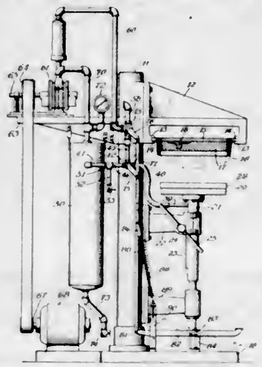
2,101,676
ELASTIC FLUID TURBINE CONTROL
Werner Guilhauman, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application August 8, 1936, Serial No. 94,962
In Germany September 19, 1935
4 Claims. (Cl. 60—70)



1. An elastic fluid turbine arrangement including the combination of a main turbine having a high pressure part and a low pressure part, an inlet valve for the high pressure part, a speed governing mechanism operated from the main turbine shaft for controlling the inlet valve, an auxiliary turbine connected in series between the high pressure part and the low pressure part to conduct all of the elastic fluid discharged from the high pressure part through the auxiliary turbine to the low pressure part, and means for automatically controlling the ratio of the pressure drop across the auxiliary turbine and the pressure drop across one of the main turbine parts in response to changes in load demand from either of said turbines.

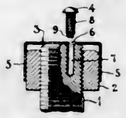
2,101,677
APPARATUS FOR PRODUCING MOLDS
Henry F. Hagemeyer, Chicago, Ill., assignor to Castings Patent Corporation, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 87,923
4 Claims. (Cl. 22—190)

1. Apparatus for withdrawing a mold from a match plate and a flask, which apparatus comprises means for supporting the match plate and the flask, a plate having a surface with a plurality of grooves therein, said grooved surface being engageable with a surface of the mold, means for creating a partial vacuum in said grooves



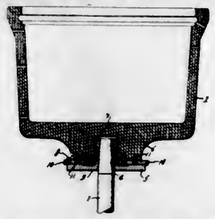
whereby said mold will adhere to said grooved plate when said grooved plate and said match plate are displaced relative to each other, and means for causing relative displacement between said grooved plate and said match plate.

2,101,678
NUT LOCK
Arthur J. Herschmann, New York, N. Y.
Application April 30, 1937, Serial No. 139,863
5 Claims. (Cl. 151—29)



1. In a nut lock, the combination with a standard bolt and nut, of a saddle having a substantially right-angled projection for engaging a flat of the nut, a pin-hole in the saddle eccentric to the axis of the bolt, said saddle and hole serving as a jig for drilling a hole in the end of the bolt, and a headed pin passing through the saddle hole into the drilled hole in the bolt end for securing the saddle in position over the nut, and said eccentrically seated pin locking the saddle and nut together against rotation on the bolt.

2,101,679
SPINNING BUCKET DRIVE
Edwin H. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1936, Serial No. 68,441
1 Claim. (Cl. 287—53)



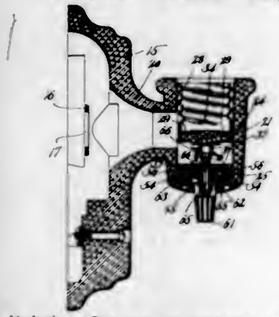
In a rayon spinning bucket drive, the combination of a vertical shaft, a flange on the shaft

spaced from the upper end thereof, a rayon spinning bucket having a hub provided with a bore which fits the end of the shaft and with a flat bottom surface which engages and rests on the top surface of said flange to support said bucket on the shaft end, radially outwardly extending driving lugs carried by the hub flush with the bottom surface thereof, and vertically extending ears projecting upwardly from said flange to engage said lugs to form a positive driving connection between said rayon spinning bucket and said shaft, the sides of said ears which are engaged by the sides of the lugs being undercut whereby they serve to prevent upward movement of said bucket on the shaft end but do not interfere with the ready removal of the bucket from the shaft end.

2,101,680

ELECTRIC LIGHT FIXTURE

Gustaf A. Johnson, New Bedford, Mass.
Application March 12, 1932, Serial No. 598,421
8 Claims. (Cl. 173—346)

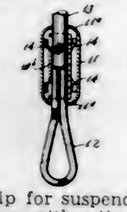


1. A lighting fixture comprising a cup portion having a circular opening in its base, a turn knob mounted loosely in the base of said cup portion and projecting outwardly through said opening, said turn knob having an annular flange on its inner end overlapping the inner edge of said opening for holding said turn knob within said cup, an electric lamp socket seated in said cup, the base of said lamp socket being recessed to accommodate the flanged end of said turn knob and to prevent upward movement thereof without interfering with its rotary movement, said lamp socket including a switch having a rotatable member for opening and closing it, said member having one end anchored in said turn knob to turn with it and means for fastening said lamp socket in said cup to hold said turn knob and operating member in operative position.

2,101,681

ATTACHING TIP FOR SUSPENDER CORDS

Lester J. Josephs, New York, N. Y.
Application November 3, 1936, Serial No. 108,946
6 Claims. (Cl. 241—27)

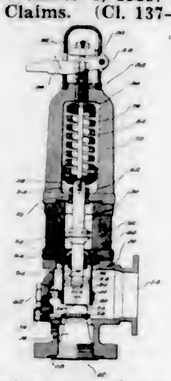


1. An attaching tip for suspender cords comprising in combination with adjacent cord ends, a metallic binder for holding said ends as a finished unit, a celluloid or the like tube engaging over and covering said binder, and elements on said binder engaging against the inner face of said celluloid tube to hold it in position.

2,101,682

RELIEF VALVE

Erling Klafstad, Melrose, Mass., assignor to Crosby Steam Gage and Valve Company, Boston, Mass., a corporation of Massachusetts
Application November 4, 1935, Serial No. 48,149
2 Claims. (Cl. 137—53)

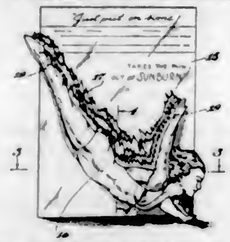


1. A relief valve comprising a housing, a valve disk, a cooperating seat, a tubular guide member surrounding and closely guiding the disk to compel straight line movement of the disk in a direction normal to the seat, a valve spindle sufficiently massive to avoid buckling under loading strain, a thrust bearing between the end of the spindle and the disk to permit rotative movement of the disk with respect to the spindle, a restraining member connected with the disk and spindle to prevent relative angular movements of the disk and spindle, spindle guides positioned adjacent opposite ends of the spindle to compel accurate movements of the spindle in a path aligned with that of the valve disk, and a loading spring engaging with the end of the spindle remote from the disk and beyond the outer spindle guide to impart a loading thrust thereto without affecting the predetermined path of movement of the spindle and connected valve disk.

2,101,683

ADJUSTABLE DISPLAY DEVICE HAVING A LUSTROUS PORTION

Nathan Joseph Leigh, Great Neck, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application February 6, 1937, Serial No. 124,396
7 Claims. (Cl. 40—126)

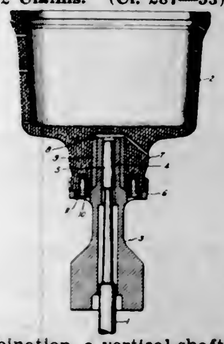


1. In a cardboard display device of the character described, an easel, a display panel consisting at least in part of lustrous light-reflecting material, and means for adjustably supporting the display panel on the easel at varying inclinations, so that said lustrous material may be brought into maximum reflective relation to the source of light illuminating the device.

2,101,684

SPINNING BUCKET DRIVE

Frank C. Linn, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application March 12, 1936, Serial No. 68,465
2 Claims. (Cl. 287—53)

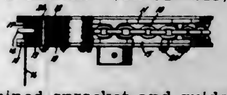


1. In combination, a vertical shaft, a flange on the shaft having openings therein under-cut at their ends, a member to be rotated having a portion which fits over the end of the shaft and engages the flange, and projections on said portion which extend into said openings, said projections being under-cut to engage with the under-cut ends of the openings, and said flange having sloping surfaces for directing the projections into said openings.

2,101,685

COMBINED SPROCKET AND GUIDE WHEEL

Archibald W. Nisbet, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 16, 1936, Serial No. 105,856
4 Claims. (Cl. 74—243)



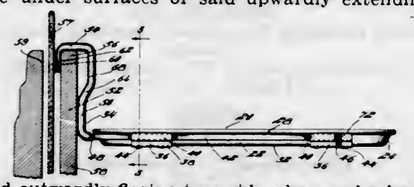
1. A combined sprocket and guide wheel comprising a body having widely spaced radially extending open ended rectangular slots therein having parallel sides and cylindrical portions between the slots which cover a greater arc of the circumference of the body than the slots and form guide surfaces for a co-operating chain, a nonmetallic member having parallel sides filling each of the slots and having a circumferential groove and a chain engaging tooth formed therein, parts of which are located on opposite sides of the groove, said tooth projecting radially outward by a sufficient amount to hold the co-operating chain out of contact with the body, and means for rigidly securing the members to the body.

2,101,686

SERVICE TRAY

Bernard M. Offutt, West Barrington, R. I.
Application May 17, 1935, Serial No. 22,008
14 Claims. (Cl. 311—22)

11. A rectangular curb service tray having a base having an under surface having upwardly extending and outwardly flaring side and end edges terminating in a rolled over bead and a substantially flat portion interiorly of said upwardly extending and outwardly flaring edges, whereby a plurality of said trays may be telescopically stacked and spaced supporting means each having a rigid shank portion of less height than said edges pivotally mounted on the upper portions of the under surfaces of said upwardly extending

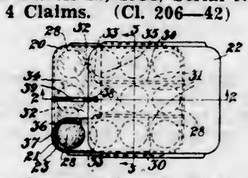


and outwardly flaring tray side edges and a hook portion projecting from one end only of said tray pivotable from a substantially vertical position for horizontal mounting of said tray on a support edge to a horizontal position so that said trays may be stacked in partially nested relationship with the distances between vertically adjacent portions of said trays less than the depths of said trays.

2,101,687

DISPENSING CONTAINER

Leon R. Paul, Brooklyn, N. Y., assignor of one-half to George J. Atwell, New York, N. Y.
Application March 12, 1934, Serial No. 715,064
4 Claims. (Cl. 206—42)

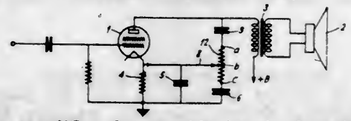


1. A dispensing container for tablets and the like, comprising a box having a plurality of compartments of equal capacity and adapted to accommodate the same number of tablets, all of said compartments having outlet openings at the same end of the box, a cover for the box, and fixed cover means in the box for preventing the exposure of the outlet end of one compartment upon opening of the first said cover to discharge tablets from another compartment.

2,101,688

TONE CONTROL DEVICE

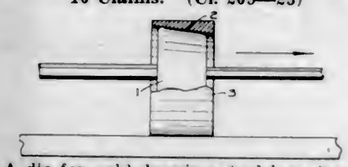
Rudolf Rechnitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application September 11, 1935, Serial No. 40,027
In Germany August 21, 1934
1 Claim. (Cl. 179—171)



An amplifier for a wide band of audio frequency currents comprising in combination, a vacuum tube having a cathode, a control grid and a plate, an input circuit connecting said cathode and control grid, an output circuit connected to said plate, a resistor common to said input and output circuits, a condenser shunted

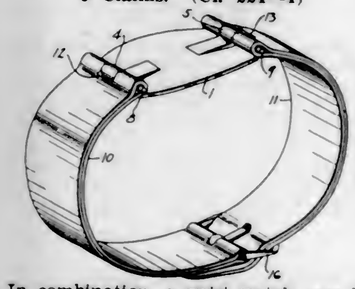
across said resistor, a series circuit including two separated condensers and a central resistor connected between the plate and the low potential end of said first named resistor and a conductive connection between an intermediate point of said central resistor and said cathode.

2,101,689
DRAWING DIE
Harry Hamilton Richardson, Hamilton, Ontario, Canada
Application July 3, 1936, Serial No. 88,868
10 Claims. (Cl. 205—25)



1. A die for cold drawing steel bars into polygon shapes comprising a housing, a single die sector holding ring inserted into the housing, a plurality of substantially sector shaped portions assembled in the die sector holding ring with their radial faces abutting each other and their bar engaging faces forming an opening of the polygonal shape of the bar to be drawn therethrough, said die sector holding ring being operable longitudinally with respect to such sector shaped portions, and retaining means adjustably disposed in the housing and engaging the die sector holding ring.

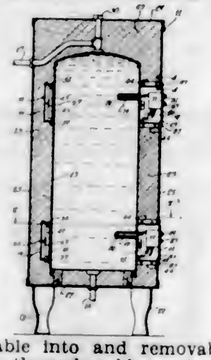
2,101,690
WRIST WATCH GUARD
Albert H. Sauer, Jr., Cincinnati, Ohio
Application May 26, 1934, Serial No. 727,773
6 Claims. (Cl. 224—4)



3. In combination, a wrist watch case having a detachable pin bar at each end thereof, a leather guard upon the lower surface of the watch case and having an eye at each end thereof adapted to be pivotally mounted on said pin bars respectively, and a wrist watch strap having ends provided with eyes also adapted to be pivoted on said pin bars in cooperative relation with said guard.

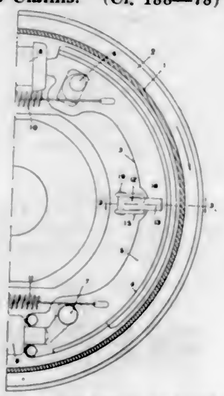
2,101,691
ELECTRIC WATER HEATER
Frank W. Scharf, Western Springs, Ill., assignor to McGraw Electric Company, Chicago, Ill., a corporation of Delaware
Application November 29, 1935, Serial No. 52,024
13 Claims. (Cl. 219—39)

1. A water heater assembly for a tank, including an annular compartment around the tank having top, bottom and outside walls and an opening in the outside wall and a flexible multi-element electric heater located in the compart-



ment insertable into and removable from the compartment through said opening, and means to clamp said heater around said tank.

2,101,692
BRAKE SHOE GUIDE
Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 12, 1935, Serial No. 40,197
10 Claims. (Cl. 188—78)



1. In a brake construction, a support, a brake shoe mounted thereon, and resilient guiding means for said shoe, said guiding means comprising a pair of yieldable elements having end portions contacting opposite sides of a portion of the brake shoe, means for securing the other end portions of the yieldable members to the support, and means for preventing said elements from moving toward each other, said elements being unrestrained from relative movement away from each other under the influence of movement of the shoe.

2,101,693
SHOE STRUCTURE
Joseph Taraci, East Elmhurst, Long Island, N. Y.
Application April 16, 1935, Serial No. 16,569
2 Claims. (Cl. 36—12)

1. A shoe comprising a shank piece having its entire bottom marginal edge portion skived and being provided at its forward edge with forward extensions, an outer sole having its entire top marginal edge portion, skived, and an upper having its lasting allowance skived, the lasting allowance of the upper being turned inwardly beneath, and attached to the skived heel and side portions



of the shank piece, and the skived portions of the outer sole being disposed beneath and attached to the inwardly turned, skived, lasting allowance of the upper entirely around the shoe.

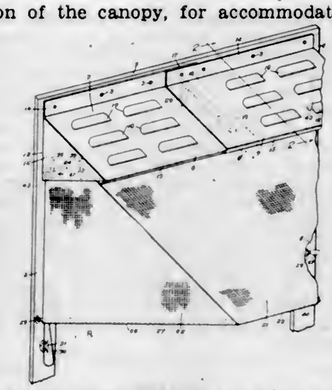
2,101,694
SPRINKLER HEAD
Emil Tyden, Hastings, Mich.
Application October 10, 1936, Serial No. 105,000
10 Claims. (Cl. 299—121)



10. A sprinkler having a base with a nozzle therethrough for discharge of a fire extinguishing medium, and a deflector fixedly mounted over said nozzle having a substantially flat portion extending obliquely with respect to the axis of the nozzle, the structure including an arm interposed in the path of flow from the nozzle to the deflector and having a surface presented obliquely to the direction of said flow for deflecting the discharge of the medium as it approaches the deflector.

2,101,695
AWNING STRUCTURE
Edgar S. Waddell, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application September 15, 1936, Serial No. 100,903
11 Claims. (Cl. 156—43)

1. In an awning structure which includes a ventilated canopy extensible in the direction of its length for accommodating aperture frames of various widths, the combination of a sheet of flexible awning material and a supporting frame therefor movable to a collapsed awning position at which the sheet of awning material enters beneath the canopy for protection from the elements, said canopy including a series of awning sheet supports in the form of hooks having elongated shank portions extending between the forward portion and the rear portion of the canopy, and upon which the upper portion of said sheet may slidably shift, to yield space at the forward portion of the canopy, for accommodating the

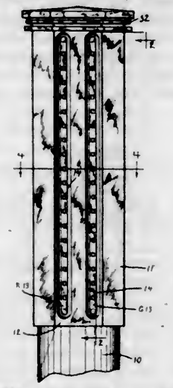


awning sheet beneath the canopy when collapsed.

2,101,696
PROCESS FOR PRODUCING TWO-COLOR EFFECTS ON SKINS OR FURS
Heinrich Wagner, Mannheim, and Max Zabel and Alfred Ensslin, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1935, Serial No. 51,600. In Germany December 15, 1934
4 Claims. (Cl. 8—5)

1. The process which comprises treating a fur or pelt in a chromium modanting bath, tipping or spotting the mordanted hairs with an agent of the group consisting of alkali metal carbonate and alkali metal bisulfite for removing the mordant, rinsing the pelt and dyeing it with an oxidation dye yielding different colorations on the mordanted and unmordanted places.

2,101,697
TRAFFIC SIGNAL SYSTEM
Charles B. Watson, Omaha, Nebr., assignor of forty-nine percent to Fay G. Johnson, Omaha, Nebr.
Application January 17, 1935, Serial No. 2,232
4 Claims. (Cl. 177—329)



1. In a traffic signal system for controlling traffic at street intersections and the like, the combination, a signal support, a plurality of extended electrically illuminable indicators on the

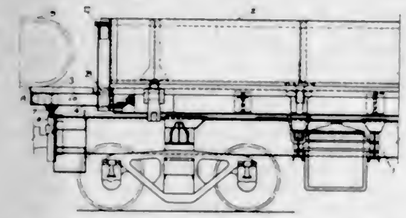
support, said indicators being straight and in parallel association relative to each other, the respective indicators being of different colors and adapted to illuminably and colorably control the flow of traffic by alternately signaling traffic to stop and proceed, each of said tubes being adapted to be illuminated the full extent thereof and to have the illuminated portion progressively decreased in extent, and distributing means adapted to distribute electric current from a suitable source of electric supply to the indicators and to illuminate alternately the stop and proceed indicators and to progressively decrease the extent of the respectively illuminated portions thereof, and in respect to indicators facing the same line of traffic said indicators being alternately illuminated their full length while a portion of a previously illuminated indicator is still illuminated.

2,101,698

CAR CONSTRUCTION

John P. Anderson, Koppel, Pa., assignor, by mesne assignments, to Pressed Steel Car Company Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application December 15, 1933, Serial No. 702,533
7 Claims. (Cl. 105—276)



1. In a vehicle of the character described, in combination, an underframe, a movable body, transversely spaced supports beneath the body and engaging the underframe adjacent each end of the latter, hinged end walls for the body adapted to overlie the underframe and overhang the adjacent end thereof when in lowered position, load sustaining members secured to the outer face of the end walls, a support for each said member when in lowered position comprising a depending member pivotally connected to the load sustaining member and engaging the underframe adjacent the end thereof, and lugs extending outwardly from opposite sides of the depending member to limit relative pivotal movement between the depending and load sustaining members.

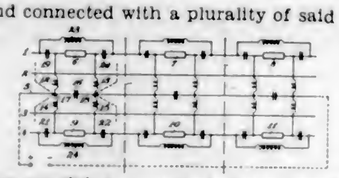
2,101,699

ALTERNATING CURRENT SIGNALING SYSTEM

Martin Baesecke, Berlin-Siemensstadt, and Hans Mayer, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application May 26, 1934, Serial No. 727,606
In Germany May 30, 1933
14 Claims. (Cl. 178—45)

1. A signaling system comprising lines for signal transmission, said lines extending from a transmitting station to a receiving station, negative resistances connected in these lines at different distances from the ends of the lines, for reducing the loss of signal energy, and a special line extending lengthwise of the signaling system and connected with a plurality of said signal



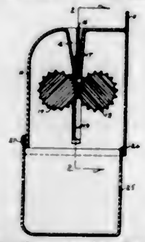
lines for supplying currents to bias the negative resistances.

2,101,700

CRUSHER FOR USED SAFETY RAZOR BLADES

Guy E. Chesnut, Jr., St. Joseph, Mo.

Application October 8, 1936, Serial No. 104,636
3 Claims. (Cl. 29—66)



1. In a crusher for used safety razor blades, a housing, a hopper in the upper portion of said housing, two longitudinally parallel rollers rotatably mounted in said housing positioned below said hopper, a means for manually rotating said rollers, teeth on said rollers, a vertical slot opening in one side of said hopper, and a vertical razor blade guide bar in said housing and back of said slot opening.

2,101,701

SLEEPING GARMENT

Leonard Cohen, New York, N. Y.

Application December 21, 1936, Serial No. 116,863
3 Claims. (Cl. 2—83)



1. In a device of the character described, a sleeping garment, buttoning means associated with the upper back and the upper front of said garment, blanket-like means adapted to extend across the back around to the front and across the front of said garment, and cooperating buttoning means associated with said blanket-like means and positioned to register respectively with said buttoning means which are associated with said garment.

2,101,702

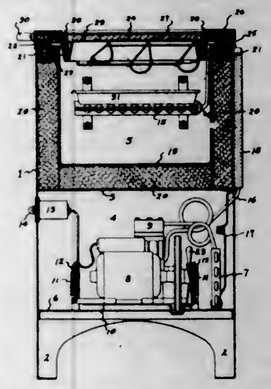
CABINET FOR MECHANICAL REFRIGERATORS AND APPURTENANCES THEREOF

Lewis M. Crosley, Cincinnati, Ohio, assignor to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio

Application November 14, 1934, Serial No. 753,012
5 Claims. (Cl. 312—173)

4. In combination, a hinged upwardly opening refrigerator door, a shelf member in operative

connection therewith, said shelf member having a part underlying and acting as a support for articles thereon when said door is open, and another part underlying and acting as a support for



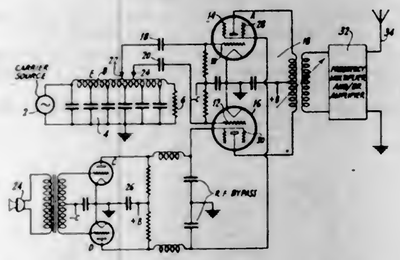
articles thereon when said door is closed, said last mentioned part having a reentrant portion preventing accidental dislodgment of said articles when said door is closed.

2,101,703

PHASE MODULATION RECEIVER

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application January 23, 1932, Serial No. 588,309, now Patent No. 2,081,577, dated May 25, 1937. Divided and this application October 1, 1936, Serial No. 103,505
6 Claims. (Cl. 250—20)



1. In a phase modulation signalling system the method of demodulating carrier wave energy the phase of which has been modulated in accordance with signals which includes the steps of, collecting phase modulated wave energy, heterodyning said wave energy to a lower frequency to increase the percentage of frequency spread between the carrier and sideband energy of said lower frequency, limiting the amplitude of said wave energy of lower frequency, producing unmodulated energy characteristic of said carrier of said lower frequency limiting the amplitude of said produced unmodulated energy and combining said limited unmodulated energy with amplitude limited sideband energy of said lower frequency in substantially phase quadrature relation to produce resultant energy characteristic of the phase modulations on said collected energy.

2,101,704

INSECTICIDAL COMPOSITION

Charles Dangelmajer, Niagara Falls, N. Y., assignor to The E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 26, 1934, Serial No. 727,721
15 Claims. (Cl. 167—16)

1. A process for preparing a solid cuprous cyanide composition which is readily suspended in water to form an agricultural spray liquid which comprises precipitating cuprous cyanide in the presence of a finely divided, substantially insoluble, solid material which is substantially chemically inert to the other substances present and mixing the moist precipitate with a protective colloid.

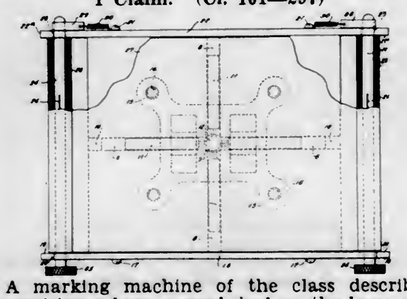
5. A process for preparing a solid cuprous cyanide composition which is readily suspended in water to form an agricultural spray liquid which comprises precipitating cuprous cyanide by reacting a soluble cyanide with a solution of a cuprous salt in the presence of powdered kaolin, washing the precipitate to remove electrolytes and mixing the moist precipitate with a protective colloid.

2,101,705

MARKING MACHINE

Charles F. Eaton, West Newbury, Mass., assignor, by mesne assignments, of one-half to North American Holding Corporation, Syracuse, N. Y., a corporation of New York, and one-half to Parshad Holding Corporation, Syracuse, N. Y., a corporation of New York

Application May 10, 1935, Serial No. 20,882
1 Claim. (Cl. 101—297)



A marking machine of the class described, comprising a base, a work-bed on the base, said work-bed having a plurality of radially disposed heating chambers, a heating coil disposed in each chamber, the coils being collectively operable to maintain the surface of said work-bed at a predetermined temperature, and a platen movably mounted on the base to move toward and from the work-bed, the work-bed being yieldingly mounted on the base so as to be capable of a slight lateral displacement with relation to the platen when the platen and the work-bed are pressed together with the work between them.

2,101,706

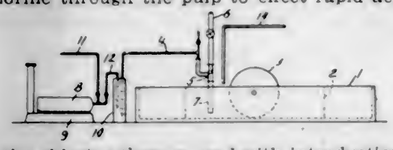
BLEACHING OF PULP

John Alden Extrom, Tomahawk, Wis., and Hoke Martin, Chicago, Ill.; said Extrom assignor to Tomahawk Kraft Paper Company, Tomahawk, Wis., a corporation of Wisconsin and said Martin assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application February 4, 1936, Serial No. 62,372
5 Claims. (Cl. 8—2)

1. The method of bleaching pulp which com-

prises introducing separately and continuously into the pulp being bleached chlorine and hydrated lime with intimate distribution of the chlorine through the pulp to effect rapid action



of the chlorine thereon, and with introduction of the lime in close proximity so that it is admixed with the pulp which has been previously admixed with the chlorine, and so that it neutralizes acids formed in the chlorine treatment.

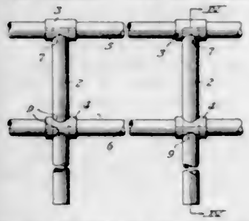
2,101,707

RAILING AND MANUFACTURE THEREOF

Wylie B. Ewing, Wheeling, W. Va., assignor, by mesne assignments, to Vulcan Rail and Construction Company, Maspeth, N. Y., a corporation of New York

Application November 6, 1934, Serial No. 751,717

21 Claims. (Cl. 29—148.2)



1. A method of making railing, comprising assembling a plurality of railing members, welding the same together, and thereafter assembling with said welded members at least one other railing member to form a railing structure and cover so as to conceal from without the weld between said first mentioned members.

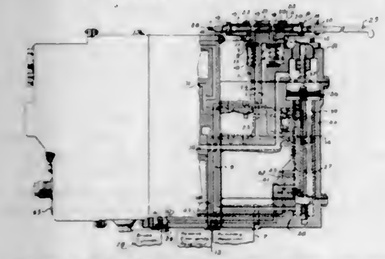
2,101,708

AIR BRAKE MECHANISM

Alva L. Goodknight, Fort Worth, Tex.

Application September 18, 1937, Serial No. 164,429

9 Claims. (Cl. 303—80)



1. In an air brake mechanism, in combination, a brake pipe, a brake cylinder, and an auxiliary reservoir adapted to be charged with fluid under pressure from the said brake pipe to effect a service application of the brakes, a reserve-emergency reservoir adapted to be charged from the said auxiliary reservoir and fluid under pressure from the said brake pipe to effect the emergency application, duplex reservoir pressure bleed-release valves for venting both reservoirs to the atmosphere, a manually slidable anti-friction cam plate and anti-friction cam means between the said valves and the said plate for rolling open the said valves in a predetermined sequence when the said plate is actuated, and means for holding the anti-friction means in operation assembly.

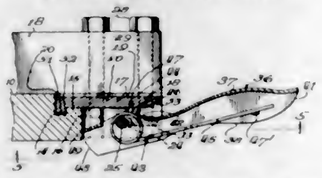
2,101,709

BENCH SAW RIP FENCE

Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois

Application March 31, 1937, Serial No. 133,959

4 Claims. (Cl. 143—174)



1. In a rip fence for saw tables, the combination of a table having a guide groove, an upwardly extending guide flange, with a rip fence having a downwardly extending flange adapted to be slidably mounted in said groove, said rip fence being slidably mounted on said first-mentioned flange, said rip fence having a handle pivotally mounted thereon, said handle having a pointed end engaging the edge of said table, and spring means for rotating said handle in such manner as to bring said pointed end into engagement with the edge of said table, said pointed end being of such length as to effect a toggle action between said handle at the pivot thereof and the pivot provided by the point of said end.

2,101,710

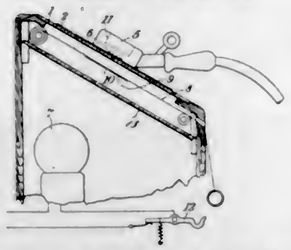
APPARATUS FOR MEASURING THE REGION OF DENSITY OF A NEGATIVE

Karl Huber, Munich, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application March 16, 1935, Serial No. 11,407

In Germany March 17, 1934

3 Claims. (Cl. 88—14)



1. In an apparatus for measuring the printing properties of a negative in combination, a casing, a transparent pane in said casing, a small area marked on said pane, a source of light for illuminating said pane, a casing containing a photo-electric cell, a further marked area on said pane corresponding with the outlines of said casing containing a photo-electric cell, so that when bringing said casing into register with said second marked area, said photo-electric cell is in correct register with said small area.

2,101,711

TRANSPORTATION SYSTEM AND APPARATUS

Jesse P. Hubbell, Fanwood, N. J.

Application May 23, 1936, Serial No. 81,405

15 Claims. (Cl. 105—215)



1. The combination with railway track rails having tread surfaces at a level above the railway road bed and adapted to support and guide ordinary railway cars and locomotives, of a motor vehicle adapted for movement optionally on said track rails and on a trackless roadway, and having flanged wheels adapted to run on said track rails and unflanged wheels adapted to run on a trackless roadway and support the vehicle with its flanged wheels above and out of engagement with said roadway, and including vehicle steering mechanism, said road bed including a hump comprising elevated portions alongside localized portions of the track rails and adapted to be engaged by said unflanged wheels and to support the vehicle with its flanged wheels above the track rail tread surfaces, and means including cooperative railway road bed carried parts and vehicle carried parts adapted to automatically lock said steering mechanism for straight line vehicle movement as the vehicle moves off said hump onto the track rails, and to control said steering mechanism as required for movement of the vehicle in the direction of the track rails while the flanged vehicle wheels are held above the track rail tread surfaces by said hump.

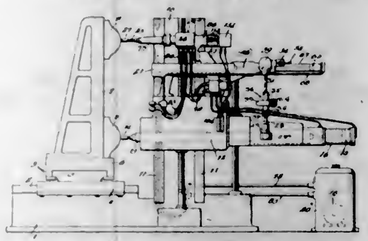
2,101,712

TRACER MECHANISM FOR DUPLICATING MACHINES

Einar K. Johansen, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Original application January 27, 1937, Serial No. 122,608. Divided and this application June 21, 1937, Serial No. 149,370

11 Claims. (Cl. 90—62)



1. In a tracer mechanism, in combination, an elongated hollow casing structure, a valve actuating member supported in one end of the casing for endwise movements relative to the casing, a tracer arm pivotally connected to said member and projecting through the other end of the casing, said arm having a tip adapted to engage the surface of a pattern, a bearing element having a spherically formed bearing surface carried by said arm adjacent said other end of the casing and adapted to co-operate with a second bearing element supported on the casing, said second bearing element having a bearing surface disposed at an angle to the axis of the casing whereby lateral deflections of the tracer arm and tip are operative to produce an axial movement of the arm and endwise movement of said valve actuating member, and yielding means tending normally to center said bearing elements one with respect to the other.

2,101,713

ELECTRIC CONNECTER OR TERMINAL

John J. Jolliffe, Hawthorne, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey

Application April 25, 1936, Serial No. 76,327

2 Claims. (Cl. 173—322)



1. In combination an electric utensil attachment plug comprising a block divided longitudinally into two sections, contacts within said block, an electric cord, rigid metal terminals attached to the ends of the conductors of said cord, a block of insulating material moulded about the terminal end of said cord and the ends of said rigid metal terminals which are attached to said conductors to entirely enclose the joint between the conductors and terminals, leaving the free ends of said rigid terminals exposed, means for rigidly attaching the exposed free ends of said rigid terminals to said contacts within said sectional block, said moulded block being clamped between the sections of said sectional block against movement relative thereto, and said moulded block preventing twisting of said conductors relative to said rigid terminals.

2,101,714

RUBBER COATED ARTICLE AND METHOD OF MANUFACTURING SAME

Arthur J. Keeney, Cuyahoga Falls, Ohio

Application February 15, 1935, Serial No. 6,665

4 Claims. (Cl. 91—68)

1. That method of coating wood with rubber



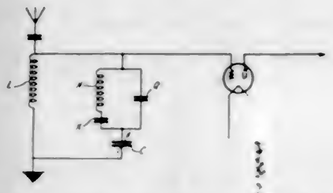
which consists of first applying a coating of lacquer to the wood, permitting the same to partly congeal, then adding a coating of rubber to the coating of lacquer while the same is in a partly congealed condition, subjecting the coating to heat and sulphur chloride fumes then simultaneously cooling and vulcanizing the coating.

2,101,715

SELECTIVE CIRCUIT ARRANGEMENT

Ernst Klotz, Karl Wilhelm, and Hans Otto Roosenstein, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 21, 1934, Serial No. 758,558
In Germany December 28, 1933
4 Claims. (Cl. 250—20)



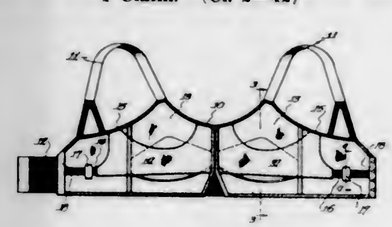
1. A filter circuit for radio frequency currents comprising a pair of output terminals, a connection conductive to direct current between said terminals and including an inductance coil, a circuit connecting said terminals and including the series connection of a fixed and a variable condenser, and the series connection of a coil and a condenser shunted across the terminals of said fixed condenser.

2,101,716

BRASSIÈRE

Sigmund W. Kunstadter, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois

Application February 15, 1937, Serial No. 125,807
1 Claim. (Cl. 2—42)



A brassière having bust pockets; hammock-like supporting members loosely mounted in said pockets and attached to the brassière at their ends and at their outer top extremities, the outer attachment of each supporting member being in the form of an elastic strip; and a guide member for each of said elastic strips secured to the brassière body.

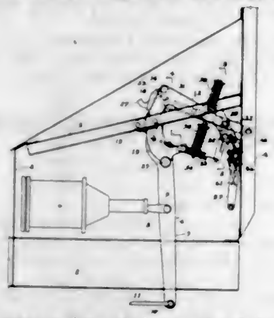
2,101,717

CAR BRAKE

Benjamin F. Kurtz, Bellevue, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application August 25, 1936, Serial No. 97,808
17 Claims. (Cl. 188—195)

1. In an empty and load brake rigging of the character described, in combination, a brake lever, a brake lever hanger, a pivotal connection between the brake lever and brake hanger, a support for the brake hanger, a fulcrum member for selective engagement with the lever and hanger to vary the effective length of the brake lever and



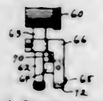
resilient means for retaining the fulcrum member in selected position.

2,101,718

INDICATOR GAUGE

Harry W. Moore, Greene County, Ohio

Original application July 13, 1933, Serial No. 680,225. Divided and this application June 13, 1936, Serial No. 85,105
4 Claims. (Cl. 33—172)



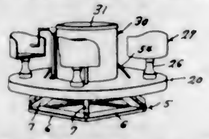
1. An attachment for a gauge having a smooth reciprocatory stem for actuating the gauge to measure movement of the stem in one direction, said attachment including a pair of substantially L-shaped members, the legs of one being longer than the legs of the other, said members being pivotally interconnected with the legs of one member extending substantially parallel to the legs of the other, one leg of one member fixedly supporting said attachment on the gauge, the corresponding leg of the other member engaging the stem of the gauge, and releasable means for causing the leg engaging the stem to prevent movement of the stem in one direction but permitting movement of the stem in the opposite direction.

2,101,719

MERRY-GO-ROUND

Henry J. Niebuhr, Lewiston, Idaho

Application August 7, 1936, Serial No. 94,850
1 Claim. (Cl. 272—48)



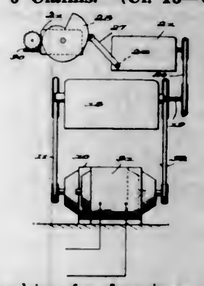
A merry-go-round of the class described comprising a base, an upstanding shaft fixedly secured centrally of said base, a platform rotatably mounted on said shaft, a bevelled gear fixedly secured to the upper portion of said upstanding shaft, an upstanding support on said platform, a horizontally disposed rotatably mounted shaft on said platform having a pinion gear on one end thereof in mesh with the bevelled gear, a hollow tubular member rotatably and slidably mounted in said upstanding support having the free end of said horizontally disposed shaft extending therein, clutch means on the inner end of said tubular member and on said horizontally disposed shaft cooperable for rotating said horizontally disposed shaft, a handle on the outer end of said tubular member, and resilient means disposed within said tubular member abutting the free end of said horizontally disposed shaft for normally maintaining said clutch elements out of engagement.

2,101,720

MANUFACTURE OF ARTIFICIAL SILK

Leon H. Ryan, New Castle, Del., assignor to Delaware Rayon Company, New Castle, Del., a corporation of Delaware

Application April 30, 1936, Serial No. 77,265
6 Claims. (Cl. 18—8)



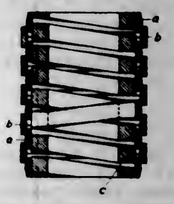
2. In a machine for forming artificial silk or the like, the combination of thread-forming means, a spinning bucket to receive the thread to form a cake, a motor for driving said bucket, and means for changing the frequency of the electricity supplied to the motor whereby to change the speed thereof during the spinning of the cake.

2,101,721

SPRING

Karl Scharfenberg, Berlin-Nicolassee, Germany

Application February 4, 1936, Serial No. 62,357
In Germany June 3, 1935
9 Claims. (Cl. 267—61)



1. A composite spring comprising, in combination, a helical spring and an annular radially contractile spring around said helical spring, said helical spring having a plurality of spaced apart axially compressible convolutions engaging said annular radially contractile spring to exert pressure thereon.

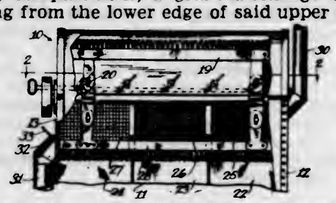
2,101,722

BOLTING MACHINE

Edward Schultz, Evansville, Ind.

Application September 24, 1935, Serial No. 41,909
4 Claims. (Cl. 209—283)

1. A grain bolting machine comprising a housing, a fixed screening means of increasing mesh dividing said housing into an upper agitating compartment and a plurality of lower receiving compartments, partition means separating said lower compartments from each other, a grain agitating brush journaled in said upper compartment, a grain inlet conduit leading into said agitating compartment, a grain discharge conduit leading from the lower edge of said upper agitating compartment, a weighted valve pivoted at the entrance of said discharge conduit, and a plurality of adjustable cleaning blades in said agitating compartment in the path of rotation of said agitating brush.

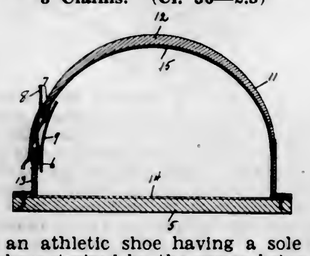


2,101,723

ATHLETIC SHOE

Elmer Smith, Shreveport, La.

Application July 6, 1937, Serial No. 152,205
3 Claims. (Cl. 36—2.5)



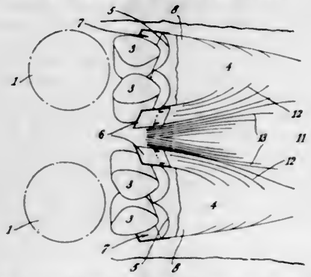
1. In an athletic shoe having a sole and an upper, characterized by the upper being thicker over the instep and unobstructed to receive the impact of a football, and lacings at the side of the shoe.

2,101,724

AIR COOLED AERO ENGINE

Hubert Charles Henry Townend, Teddington, England, assignor to Boulton Paul Aircraft Limited, Norfolk, England

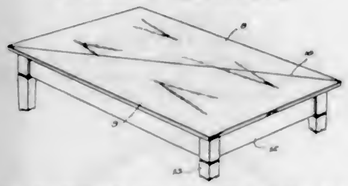
Application May 12, 1936, Serial No. 79,362
In Great Britain May 13, 1935
6 Claims. (Cl. 123—171)



1. The combination with an air-cooled aero engine having at least one cylinder and having a rear surface of the cylinder, said rear surface being determined relative to the direction of flight, of an air deflecting member having two concave surfaces facing the direction of flight, facing the rear surface of the cylinder, spaced apart from said rear surface and located

one at each side of a center plane extending in the direction of flight and containing the axis of the cylinder, said concave surfaces extending approximately between said center plane and outer planes extending in the direction of flight and tangential to the cylinder walls at diametrically opposite sides and a forwardly extending member at each side of said air deflecting member and inclined slightly to the said outer plane and adapted to receive air flowing near the cylinder and along the said outer plane and direct it to the air deflecting member whereby it is deflected inwardly and forwardly toward the rear of the cylinder.

2,101,725
TABLE TOP
Joseph Traficante, Hoboken, N. J.
Application January 25, 1937, Serial No. 122,255
2 Claims. (Cl. 311—41)



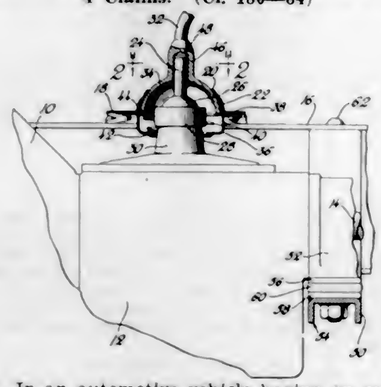
1. An extensible top member for an article of furniture comprising a pair of panels jointly defining a top of substantially rectangular outline, the line of juncture of said panels being diagonal of said rectangle, said panels being separable along said diagonal line to admit therebetween a top leaf to effect the prolongation of certain edges of said top to increase its size in one direction only.

2,101,726
MANUFACTURE OF MOLDS USED FOR CASTING METAL PIPES AND THE LIKE BY THE CENTRIFUGAL METHOD
Antonius J. van Zijp, Haarlem, Netherlands, assignor to Koninklijke Nederlandsche Hoogovens en Staalfabrieken N. V., Ijmuiden, Netherlands
Application October 7, 1935, Serial No. 43,954
In the Netherlands October 11, 1934
2 Claims. (Cl. 22—17)



2. In a pipe molding apparatus the combination with an upright flask, of a former extending therethrough and provided with cylindrical end sections of the same diameter as the finished article, a cylindrical middle section of smaller diameter and intermediary sections gradually tapering from the larger to the smaller sections, a jolting device at the lower end of the former, a hopper for sand at the upper end of the flask, an annular ram in said hopper fitting loosely around the upper end of the former and means for axially displacing said former; whereby, while the flask is being filled with sand from the hopper, the sand becomes compressed in axial direction of the apparatus by the jolting device and finally radially compressed upon displacement of said former.

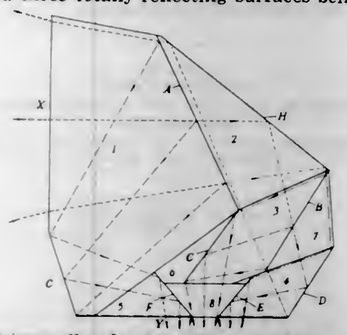
2,101,727
GEAR SHIFT LEVER MOUNTING
Benjamin H. Anibal, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 30, 1936, Serial No. 103,264
4 Claims. (Cl. 180—64)



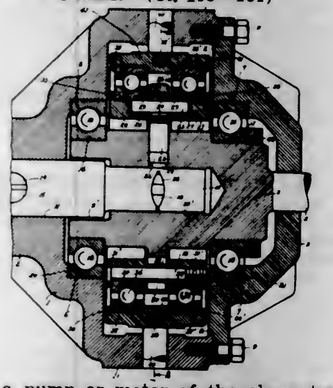
1. In an automotive vehicle having an engine and a transmission connected to the engine, a floor, one lever only mounted on the transmission and projecting toward the floor, a shifting lever mounted on the floor adjacent the transmission and capable of engaging the first mentioned lever to operate the transmission, the connection between said two levers including a clearance to enable the engine and transmission to move in all directions relative to the floor without affecting the shifting lever.

2,101,728
PRISM COMBINATION FOR THREE COLOR PHOTOGRAPHY AND CINEMATOGRAPHY
Leonard Bellingham, Frank Stanley, and Gilbert Frank Stanley, London, England
Application February 8, 1937, Serial No. 124,768
In Great Britain April 15, 1935
6 Claims. (Cl. 88—1)

1. A three color prism combination for color photography and cinematography comprising a multiplicity of prism members cemented together to provide a composite prism having an entrance face and an exit face disposed at right angles to one another and including two successively acting partially reflecting and partially transmitting surfaces disposed in the angle formed between said faces for dividing a beam entering said entrance face into three component beams; three totally reflecting surfaces for deflecting said beams toward said exit face, and three totally reflecting surfaces disposed in the angle formed between said faces, each of said second mentioned totally reflecting surfaces being located in the path of one of said component beams for deflecting its component beam outwardly through the exit face in a direction parallel to the entrance face in the required manner, said second mentioned three totally reflecting surfaces being disposed inwardly of said exit face and one of said totally reflecting surfaces being disposed farther inwardly with respect to said exit face than said other two reflecting surfaces to equalize the length of the component beams through the glass of the combination.

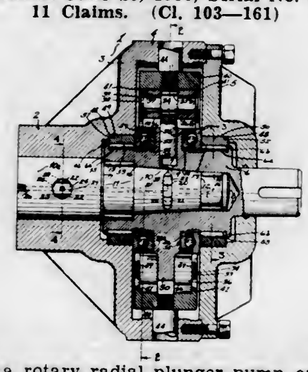


2,101,729
HYDRAULIC PUMP OR MOTOR
Elek K. Benedek, Mount Gilead, Ohio
Application May 22, 1934, Serial No. 726,961
7 Claims. (Cl. 103—161)



1. In a pump or motor of the character described, a casing, a rotor and supporting bearings therefor in the casing, a valve pintle in the casing disposed coaxially with said rotor and casing, relatively eccentric mechanism slidably mounted in said casing and including a ring and sliding support therefor in the casing, anti-friction bearings in said ring axially separated to provide a clearance space between said bearings, the rotor having radial guide ways and piston heads in said ways between said bearings in said clearance space, each head carrying a cross pin extending axially of the rotor, a piston associated with each piston head, a cylinder for each piston carried by said rotor and adapted to communicate with the valve, a mounting ring for each bearing inside thereof recessed to provide respective circular grooves one between each bearing and mounting ring to receive the piston actuating pins, coupling members disposed circumferentially between adjacent pistons to positively couple said mounting rings and maintain said bearings against axial displacement, and means carried by the rotor and positioned to engage the spacing means to effect a driving connection between said rotor and said relatively eccentric mechanism.

2,101,730
HIGH PRESSURE HYDRAULIC PUMP OR MOTOR
Elek K. Benedek, Bucyrus, Ohio
Application June 20, 1935, Serial No. 27,558
11 Claims. (Cl. 103—161)

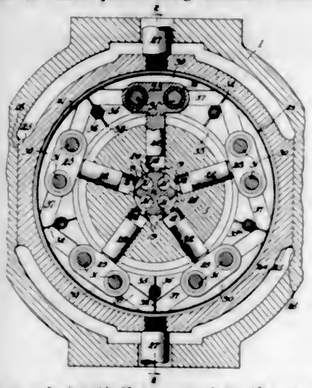


1. In a rotary radial plunger pump or motor including a casing, a rotatable barrel therein, plunger and cylinder assemblies carried by the barrel, axially floating reactance means for the assemblies, said barrel having a dead end valve bore, a stationary valve pintle fitting said bore for valving cooperation with the assemblies and terminating in spaced relation to the dead end of the bore, said pintle having high and low pressure valve ports and having a duct communicating with the pressure port and discharging into said dead end of the barrel bore, and said pintle being hydrostatically balanced by operating fluid at line pressure maintained between the end of the pintle and dead end of said barrel bore, whereby the pintle and barrel are urged axially apart by fluid at operating pressure, radial thrust anti-friction bearing means rotatably supporting the barrel in the casing and constraining the barrel to fixed radial position only, and anti-friction axial thrust bearings mounted in the casing in cooperation with the barrel for constraining the barrel to fixed axial position against the fluid pressure exerted thereon, said axial thrust bearings comprising an inner radially extending race in fixed position on the barrel, an outer radially extending race arranged to abut the casing under outward axial thrust forces and free to float radially relative to the casing, and free rolling elements interposed between the race for transmitting axially directed forces therebetween, and means operatively connecting the elements to the races for supporting the outer race in proper alignment with the inner race.

2,101,731
HYDRAULIC MACHINE
Elek K. Benedek, Bucyrus, Ohio
Application August 31, 1936, Serial No. 98,807
18 Claims. (Cl. 103—161)

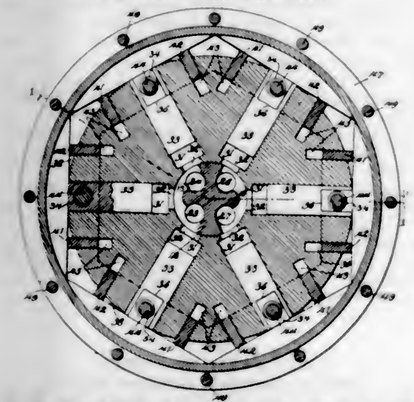
1. In a hydraulic machine of the class described; a rotatable group of radial cylinders and cooperating pistons; a rotatable reactance assembly surrounding said piston group; and means for

transmitting driving force between the pistons and the reactance assembly, said means comprising a plurality of cross head elements, one connected to each piston, a plurality of separate self-aligning block elements fixed in said reactance assembly, there being at least one block element associated with each cross head element, each cross head element and its associated block element constituting a driving pair and one of the elements of each pair being formed with a way



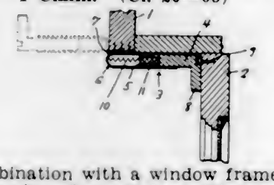
extending substantially normal to the associated piston axis and in a plane normal to the axis of rotation of the piston group, said ways each having inner and outer working surfaces, and rolling load-transmitting means operatively engaging both elements of each pair and extending through each cross head element on opposite sides of the associated piston axis and being adapted to have rolling engagement with the inner and outer working surfaces of the associated way.

2,101,732
HYDRAULIC MACHINE
Elek K. Benedek, Bucyrus, Ohio
Original application July 24, 1933, Serial No. 681,991. Divided and this application December 3, 1936, Serial No. 114,072
7 Claims. (Cl. 103—161)



1. In a radial piston pump or motor, a rotor, piston and cylinder assemblies carried thereby, means to actuate the assemblies upon rotation of the rotor, said rotor having an axial bore, a valve pintle received in said bore and having ports for cooperation with the assemblies, and elongated cageless capillary needle rollers interposed between the barrel and pintle, and said rollers being freely rotatable with respect to each other and anti-frictionally constraining the pintle and barrel to coaxial relation.

2,101,733
WINDOW STRIP
Joseph Brunnhuber and Joseph Schmid, Altoona, Pa.
Application April 1, 1937, Serial No. 134,365
1 Claim. (Cl. 20—68)



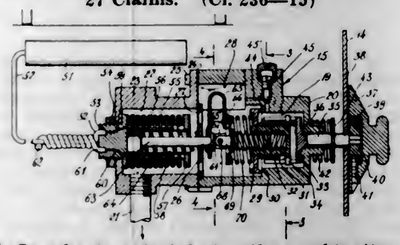
The combination with a window frame having a sash therein, of a window strip comprising strip-like male and female members, respectively, the latter hingedly attached to the front corner of the frame to normally lie flat against the latter and to swing outwardly thereof and correspondingly swing the male member, said male member telescoping edgewise in the female member for movement into and out of the same and being tensioned against movement in the former direction whereby in the normal position of said female member said male member yieldingly bears at one edge against the sash, said edge of the male member being longitudinally grooved and the sash having vertically spaced studs extending therefrom and fitting into said groove, whereby the strip is interlocked with the sash against lateral swinging movement and adapted to be freed for such movement by telescoping of the male member inwardly of the female member.

2,101,734
NET CAP FOR PERSONAL WEAR
Jean Stuart Chapple, Hove, England, assignor of one-half to Beatrice Violet Chotzner, Hove, England
Application August 6, 1936, Serial No. 94,684
In Great Britain August 12, 1935
2 Claims. (Cl. 2—68)



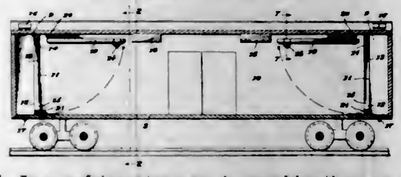
1. An inner cap for use in conjunction with a bathing cap to prevent the ingress of water between the bathing cap and the head and to hold the hair in place when the bathing cap is removed, comprising a net cap formed to fit the head of the wearer, a tubular binding of fabric extending entirely around the edge of the cap, elastic means disposed within the tubular binding and adapted to draw the edge of the cap against the head, the tubular binding having sufficient fullness to permit the elastic means to expand and contract, and a pad of absorbent material extending over the inner and outer faces of the rear portion of the net cap and extending around on each side thereof whereby to provide an absorbent element at the nape of the neck between the head of the wearer and the margin of the bathing cap at the rear thereof.

2,101,735
SELF-COMPENSATING HEAT REGULATOR
Edward L. Fonseca, Newark, N. J., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware
Application November 17, 1931, Serial No. 575,525
27 Claims. (Cl. 236—15)



1. In a heat control device, the combination of a container, a tube connected thereto, and a filling tube connected at one end to the container and coiled around the first tube adjacent its connection with the container to serve as a guard therefor.

2,101,736
REFRIGERATOR CAR
Glenn C. George, Omaha, Nebr.
Application June 29, 1936, Serial No. 88,042
3 Claims. (Cl. 62—15)



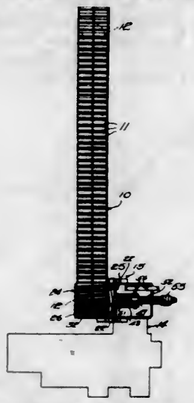
1. In a refrigerator car, in combination, an ice bunker located in an end portion of the car, an evaporative refrigerating device spaced from the ice bunker, and a movable barrier member located between the ice bunker and the evaporative refrigerating device for completely closing off communication between the portion of the car containing the evaporative refrigerating device and the end portion of the car containing the ice bunker.

2,101,737
HAIR TRIMMER
Leonard A. Gesler, Aurora, Ill.
Application June 14, 1937, Serial No. 148,055
10 Claims. (Cl. 30—31)



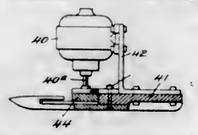
2. In a hair trimmer for trimming the hair on a human head, a cutting blade, a holder for said blade, a traction roller in advance of the cutting edge of said blade and adapted to be rotated by rolling contact with the head, and a pick-up roller between said traction roller and said cutting edge.

2,101,738
COIL HANDLING APPARATUS
Henry R. Gotthardt, Louisville, Ky., assignor to Logan Co. Inc., Louisville, Ky., a corporation of Kentucky
Application October 1, 1936, Serial No. 103,587
20 Claims. (Cl. 214—130)



1. Apparatus of the character described comprising a support for an article, means for swinging said support to turn the article to a different position, said support having a relatively movable portion receiving the article when said support swings to a predetermined extent, and means for actuating said relatively movable portion when the article is supported thereon to discharge the article therefrom.

2,101,739
LAWN MOWER
Andrew L. Haugen, New York, N. Y.
Application June 21, 1937, Serial No. 149,490
2 Claims. (Cl. 56—25)

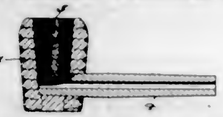


1. In a lawn mower, a frame having a transverse extending frame member, means secured thereto and adapted to support said frame above the ground, a guard bar secured to said member, a sickle bar mounted on said guard bar and coacting therewith, a motor mounted on said member and equipped with an eccentric, and a ring secured on said sickle bar in which said eccentric is adapted to revolve to actuate said sickle bar.

2,101,740
CORNCOB SMOKING PIPE
Harry Hirschl, Washington, Mo.
Application November 18, 1933, Serial No. 698,699
1 Claim. (Cl. 131—12)

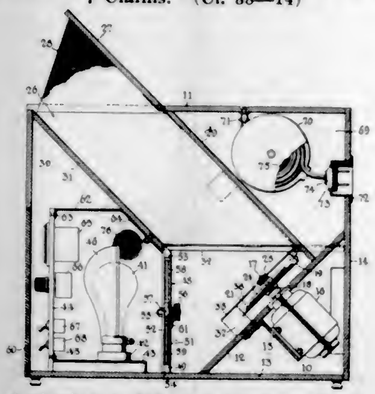
A smoking pipe of the character described having a corn cob bowl formed in its natural

condition provided with a charred or burnished, polished and varnished ornamental exterior sur-



face, and a completely charred or burnished and smoothed inner surface having thereon a coating of an aromatic liquid.

2,101,741
COLOR ANALYZING APPARATUS
Howard Ketcham, New York, N. Y.
Application July 3, 1936, Serial No. 88,882
7 Claims. (Cl. 88—14)



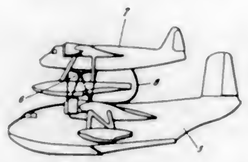
1. A viewing device comprising a cabinet having a plurality of partitions therein disposed to form a motor chamber, a lamp chamber and a sight tube; a motor in said motor chamber and having a shaft projecting into said sight tube; a graduated disc mounted on said shaft; a lamp in the lamp chamber for directing light along a line disposed at an angle of substantially 45 degrees with respect to the plane of said disc, and at approximately the same angle with respect to the axis of said sight tube; and means in the electric circuits of the lamp and motor for regulating the same.

2,101,742
CLOTHESPIN
Euclide Lognion, Lake Charles, La.
Application May 19, 1937, Serial No. 143,581
2 Claims. (Cl. 24—261)



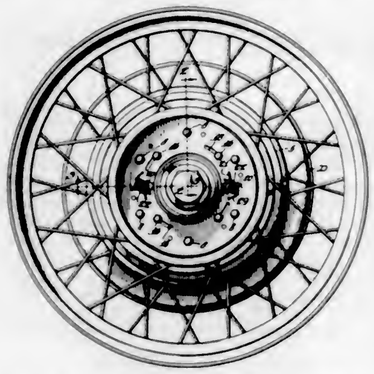
1. In a clothes pin, a pair of oppositely disposed U-shaped grippers, one having means for normally abutting the other intermediate the ends of the latter, said grippers having their forward end terminal portions extending away from each other to provide an entrance passage for a garment to be gripped to a clothes line, a pair of controlling springs, the sides of one of said grippers merging at their rear ends into the said springs, and a looped handle merging into said springs and in the rear ends of the sides of the other of said grippers.

2,101,743
AIRCRAFT
Robert Hobart Mayo, London, England
Application February 16, 1937, Serial No. 126,047
In Great Britain March 24, 1936
3 Claims. (Cl. 244—2)



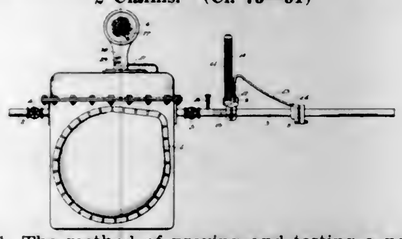
1. A composite aircraft comprising in combination a lower component carrying a relatively heavy load of fuel, an upper component mounted on top of the lower component and carrying a relatively light load of fuel, locking means which secure the two components together but are releasable to enable the upper component to separate from the lower component during flight, and a fuel-transferring connection between the two components which continues to interconnect them after release of the locking means, and enables fuel to be transferred from the lower to the upper component after the two components have separated.

2,101,744
VEHICLE WHEEL
Louis B. McGuigan, Bryn Mawr, Pa.
Application October 24, 1935, Serial No. 46,613
5 Claims. (Cl. 301—9)



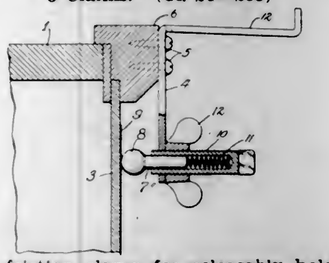
1. In a wheel assembly of the character described having an inner fixed hub structure and an outer hub shell mounted on the inner hub structure, an annular plate on the side of the outer shell opposite to the inner hub structure and movable to secure the shell in place on the inner hub structure, threaded studs projecting from said inner hub structure and through said hub shell, and said plate having openings through which said studs extend, nuts threadedly engaging said studs and engaging the plate to move the latter into position for securing the shell in place, each nut being provided on its circumference with ratchet teeth, and a dog pivotally mounted on the plate and engageable with the ratchet teeth to secure the nut against retrograde movement.

2,101,745
METHOD AND APPARATUS FOR CALIBRATING AND PROVING METERS
Allen D. MacLean, Pittsburgh, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1935, Serial No. 54,316
2 Claims. (Cl. 73—51)



1. The method of proving and testing a positive meter having a pressure correcting device including corrected and uncorrected volume counters driven thereby, which comprises, passing gas through said positive meter at an operating pressure above the base pressure, reducing the pressure of the gas discharged from the positive meter to the base pressure, determining the volume of gas at the base pressure and comparing the determined volume of gas with the corrected volume counter.

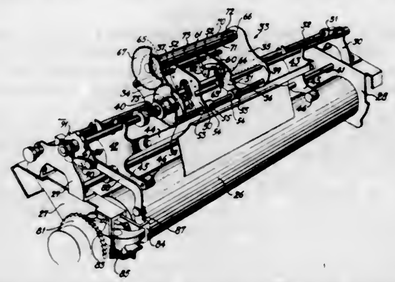
2,101,746
FRICTION CLAMP
Mario Manfredi, New York, N. Y.
Application February 10, 1936, Serial No. 63,189
3 Claims. (Cl. 24—263)



1. A friction clamp for releasably holding a sheet of material against a supporting surface, comprising a rigid bracket, a hollow adjustment member having threaded engagement with one end of the bracket, a ball-headed plunger slidably mounted within said member and engageable with the sheet, and a spring housed within said member and urging said plunger outwardly therefrom, and a lock-nut for securing said member in adjusted relation to the bracket.

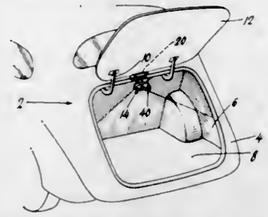
2,101,747
TALLY ROLL MECHANISM
Miles H. Mann, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 31, 1936, Serial No. 118,509
10 Claims. (Cl. 197—132)

1. A tally roll mechanism for application to a roller-platen frame of a typewriter having a line spacing mechanism, comprising an auxiliary frame having end plates and tie rods spacing said end plates for a maximum width of tally strip, a wind-up roll extending from one end plate to the other, gearing for driving the wind-up roll from the line spacing mechanism including a clutch for enabling and disabling the drive, and a pair of members mounted on said tie rods and



relatively adjustable within the auxiliary frame to different fixed positions to accommodate different widths of tally strip, said members having means for confining a tally supply roll in desired position lengthwise.

2,101,748
LUGGAGE COMPARTMENT LAMP
Clarence A. Michel and Robert Winkelmeyer, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 27, 1935, Serial No. 23,656
7 Claims. (Cl. 240—7.1)



1. An attachment for closed compartments with a hinged door for access thereto comprising a casing, a source of light supported therein, switching means for controlling the light also supported within the casing, spring biased operating means extending from the casing and multiple position clamping means attached to the casing for connecting the same to the compartment adjacent the door whereby the operating means will be operated by the door movement.

2,101,749
MANUFACTURE OF MONOMETHYL-PARA-AMINOPHENOL AND ITS SULPHATE
Simon Norman, Providence, R. I., assignor to Industrial Dyestuff Company, East Providence, R. I., a corporation of Rhode Island
No Drawing. Application July 30, 1935, Serial No. 33,915
12 Claims. (Cl. 260—128)

1. A process of manufacturing monomethyl-para-aminophenol, which process comprises decomposing para-hydroxy-phenylglycine to monomethyl-para-aminophenol in a reaction medium containing essentially a straight chain aliphatic ketone having a boiling point above 145° C.

4. A process of manufacturing monomethyl-para-aminophenol, which process comprises de-

composing para-hydroxy-phenylglycine to monomethyl-para-aminophenol in a reaction medium containing essentially methyl-n-hexylketone.

2,101,750

MANUFACTURE OF MONOMETHYL-PARA-AMINOPHENOL AND ITS SULPHATE

Simon Norman, Providence, R. I., assignor to Industrial Dyestuff Company, East Providence, R. I., a corporation of Rhode Island

No Drawing. Original application July 30, 1935, Serial No. 33,915. Divided and this application April 27, 1936, Serial No. 76,696

16 Claims. (Cl. 260—128)

1. A process of manufacturing monomethyl-para-aminophenol, which process comprises decomposing parahydroxy-phenylglycine to monomethyl-para-aminophenol in reaction media containing essentially a mixture of straight chain aliphatic ketones having a resultant boiling point of at least 145° C.

8. A process of manufacturing monomethyl-para-aminophenol, which comprises decomposing para-hydroxy-phenylglycine to monomethyl-para-aminophenol in media containing essentially methyl-propylketone and methyl-n-nonylketone.

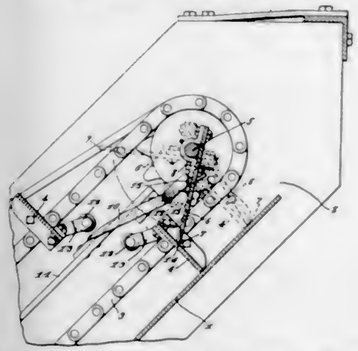
2,101,751

CLEANER FOR CONVEYERS

Myrl N. Penny, Lawrence, Kans.

Application March 14, 1936, Serial No. 68,961

3 Claims. (Cl. 198—229)



1. In combination with a conveyer having an endless conveying means including flights, a supporting shaft for said conveying means located adjacent the discharge end of the conveyer, a blade journaled to said shaft and movable about the latter when engaged by a flight, and means temporarily retaining the blade in a position to contact the flight as the latter nears the discharge end and moved over said flight with frictional contact therewith to remove foreign matter adhering to the flight.

2,101,752

MANUFACTURE OF ELASTIC THREADS

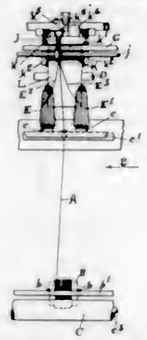
Robert Pickles, Burnley, and John Pickles, Fence, near Burnley, England

Application May 12, 1936, Serial No. 79,370

In Great Britain September 14, 1935

4 Claims. (Cl. 117—21)

1. A process for manufacturing elastic thread comprising combining one or more non-extensible fibrous threads with a rubber filament and at the same time ballooning the fibrous threads,



and subsequently twisting the combined threads into a completed strand.

2,101,753

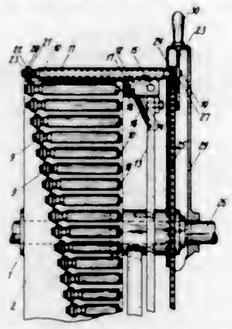
METHOD OF PRODUCING PERFORATIONS OF SMALL DIAMETER IN BANDS OF CELLULOSE FOIL, METAL FOIL, AND THE LIKE

Adolf Rambold, Dresden, Germany

Application August 8, 1935, Serial No. 35,390

In Germany September 17, 1934

4 Claims. (Cl. 164—125)



1. That method of producing rows of perforations of small diameter in bands of thin cellulose, metal foil and the like which consists in perforating the band along the several rows at stepped points in the length, each row during its formation terminating in advance of the next succeeding row, each of said perforations being formed by cutting the material in such manner that the forward edge of each perforation is first cut and the cutting proceeds from front to rear of the perforation with respect to the front and rear of the band.

2,101,754

CARRIAGE RELEASE FOR LATHES

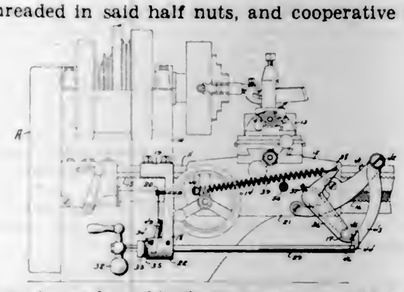
Laurence Harrington Randall, Lakeland, Fla., assignor of one-half to Anna M. Randall, Daytona Beach, Fla.

Application April 3, 1937, Serial No. 134,763

9 Claims. (Cl. 82—21)

1. In a release or stop of the kind described, a hanger bracket having a cylindrical head, half nuts releasably fitted in said head, a micrometer rod engaged in said head, a micrometer sleeve slidably splined on the rod and swiveled in said half nuts, a screw on the rod and

threaded in said half nuts, and cooperative micrometer scale and indicator means on said sleeve and head, respectively.



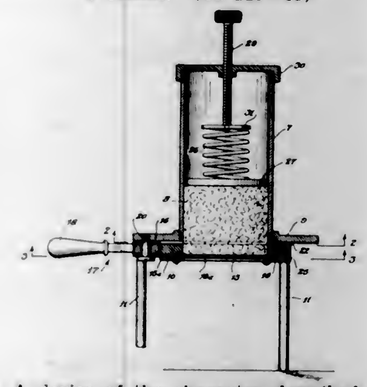
2,101,755

SLICING MACHINE

Samuel D. Rosenstone, Passaic, and Charles Ackerman, Hackensack, N. J.

Application October 11, 1935, Serial No. 44,624

2 Claims. (Cl. 146—63)



1. A device of the character described, comprising a container adapted to receive material to be cut and having a discharge opening, means for urging the material toward said opening, an annular plate threadedly secured to the discharge end of said container, a second annular plate secured to and spaced from said first mentioned plate, a substantially circular plate adjacent said last mentioned annular plate for opening and closing the discharge opening of the container, a cutting blade positioned above and offset at an angle to said circular plate and horizontally disposed between said first annular plate and said second annular plate and adapted to be swung under the contents of the container to support same when the plate moves away, means for pivotally mounting said blade and plate on a common pivotal point and means for simultaneously swinging said blade and plate.

2,101,756

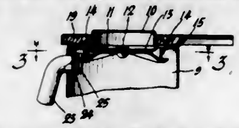
RADIATOR CAP

Laurence P. Saunders and Philip S. Rosenberg, Lockport, N. Y., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 24, 1936, Serial No. 65,207

5 Claims. (Cl. 220—44)

1. In an engine cooling system, a filler spout an overflow pipe leading therefrom, a spring plate carried by the spout and adapted for deflection to close the overflow pipe, a spout closure cap having a locking bar, and a camming abutment for engagement with the bar upon rotation of said closure and having spaced stations between which



the bar is movable in locked relation with the spout, one of the stations being positioned in relation to said spring plate that one end of the bar engages and deflects the plate to close the overflow pipe.

2,101,757

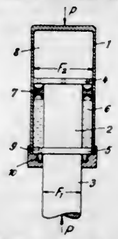
SHOCK ABSORBER

Heinrich Schumacher, Berlin, Germany, assignor to Fein-Maschinenbaugesellschaft m. b. H., Berlin, Germany

Application October 10, 1935, Serial No. 44,409

In Germany October 16, 1934

4 Claims. (Cl. 267—64)



1. Shock absorber comprising an air chamber, a piston within said air chamber, a flange upon the leading end of said piston, ports in said flange, a second piston surrounding the first and fitting closely between said first piston and the inner wall of said air chamber outwardly of said flange, a liquid chamber on the outer side of the second said piston, a second flange upon the first said piston projecting into said liquid chamber and ports through said second flange, affording communication for the liquid in said liquid chamber between the two sides of the second said flange.

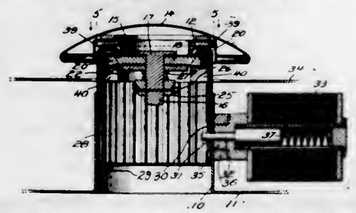
2,101,758

ELECTROMAGNETIC GAS TANK LOCK

Phillip Shaffer, Mitchell, Nebr.

Application November 9, 1936, Serial No. 110,015

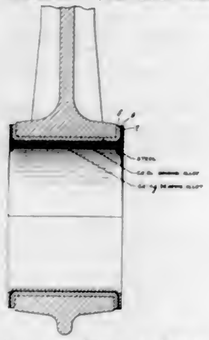
3 Claims. (Cl. 292—144)



1. A gas tank lock for a tank having a flanged filling tube and a cap having a portion insertable in the tube, said lock comprising a retaining disc having a slip clutch connection with the cap permitting the cap to swivel when the locking tube is in locked position, a spring pressed plunger on the filling tube adapted to engage the lock-

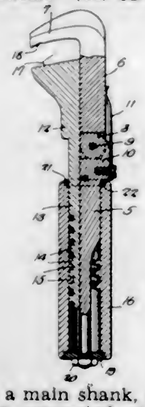
ing tube to lock the tube stationary, withdrawal of the plunger permitting the locking tube to be rotated to released position, and locking lugs projecting from one of the slip clutch members and engageable underneath the flange of the filling tube for locking the cap to the tube, said lugs being slidably connected to the locking tube and being rotatable with the locking tube when connected therewith.

2,101,759
BEARING
Clarence F. Smart, Pontiac, Mich., assignor to General Motors Corporation, Pontiac, Mich., a corporation of Delaware
Application July 2, 1934, Serial No. 733,385
10 Claims. (Cl. 308—242)



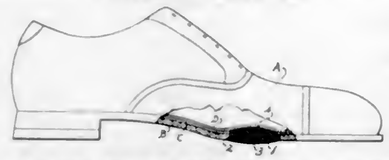
1. A bearing comprising a base of relatively hard and strong metal and a facing integrally bonded thereto, said facing comprising an alloy of cadmium with relatively small additions of silver and a hardening metal.

2,101,760
WRENCH
Harvey H. Smith, Columbus, Ohio
Application September 20, 1935, Serial No. 41,482
1 Claim. (Cl. 81—106)



In a wrench, a main shank, a jaw including a shank, pivotally connected at one end of the main shank, said main shank having a reduced end formed with threads, a shank having threads along the outer edge thereof, cooperating with the first mentioned shank and having a jaw at its outer end, a tubular handle positioned over the shanks, said handle having internal threads cooperating with the threads of the latter shank, a washer fitted against one end of the tubular handle closing the tubular handle, said washer having an opening through which the threaded portion of the first mentioned shank extends, a nut secured on the threaded portion of the first mentioned shank and engaging the washer securing the handle against movement longitudinally of the shank in one direction, means for restricting movement of the handle section longitudinally of the shank in the opposite direction, and said handle adapted to move the latter jaw with respect to the first mentioned jaw when the handle is rotated.

2,101,761
METATARSAL RUBBER CUSHION REST
Joseph E. Stagl, Brooklyn, N. Y., assignor to Charles Stagl
Application February 19, 1936, Serial No. 64,709
1 Claim. (Cl. 36—71)



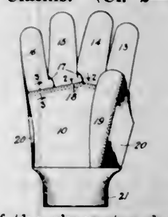
In a shoe having a recess extending from the insole and through the underside of the outer sole thereof, a metatarsal supporting pad formed from yieldable material to provide a body secured within the recess for disposal at the base of the metatarsal bones, with its outer side exposed to provide a ground engaging or tread surface, said body having a convexed upper surface to raise the insole and a convexed tread surface, and a flange surrounding the body at the tread surface thereof and being secured to the outer sole.

2,101,762
AIR GUN
Alvin L. Straub, Tomball, Tex.
Application May 20, 1936, Serial No. 80,848
3 Claims. (Cl. 124—11)



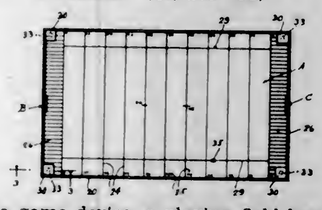
1. In an air gun, a stock and a barrel, the said stock having a magazine and the barrel having a projectile chamber communicating therewith, means for urging projectiles from the magazine to the chamber, the said barrel having a slot merging with the portion thereof in which the projectile is lodged prior to its discharge, a detent slidable through the slot into engagement with the projectile in the chamber and operative to hold the projectile therein, the said barrel having a slot in proximity to the first mentioned slot, a lever oscillatably mounted in the last mentioned slot and having an angularly disposed portion lying longitudinally of the barrel when engaged by the projectile, means for oscillating the lever to move the angularly disposed portion into the barrel when the projectile is discharged, the said angularly disposed portion being in position to be engaged and moved by the succeeding projectile, means for urging the detent into operative relation with the projectile, means for retracting the detent when the projectile is to be released, an air pressure reservoir carried by the gun structure, means of communication between the said reservoir and the chamber back of the position of the projectile in the chamber whereby air issuing from the reservoir discharges the projectile when it is released, and means for holding the projectiles in the magazine during the firing of the projectile in the chamber, the said means being releasable upon completion of the firing.

2,101,763
GLOVE
Frank X. Sturm, Sr., Jasper, Ind.
Application June 6, 1936, Serial No. 83,984
5 Claims. (Cl. 2—169)



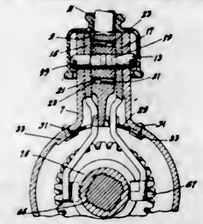
1. A glove of the character described having a front face of a leather palm portion and separate leather fronts for the first, second, third and fourth fingers, said finger fronts having overlapping portions and being stitched to each other providing a flat overlapping seam, and said finger portions being collectively secured to the upper part of the palm portion by a flat overlapping seam.

2,101,764
GAME
Harry A. Swart, San Marino, Calif.
Application January 14, 1936, Serial No. 59,139
8 Claims. (Cl. 273—94)



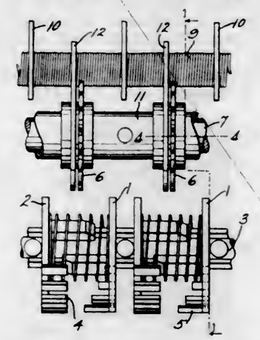
1. In a game device, a playing field having at least one objective goal, an individual playing piece movably supported on and in contact with the field, and movable in a direction toward the goal at the will of a human player; the combination with the aforesaid elements of a self-supporting barrier unit solely supported within the playing field and there to remain stationary in the path of the advancing movable playing piece, said barrier unit including a plurality of upright bodies, and a rod spaced above the playing field carrying the intermediate bodies and anchored to the end bodies of the unit, the intermediate bodies of the unit being shiftable on the rod to regulate spaces between the bodies to frustrate and sometimes decoy offensive maneuvers of the playing piece, additional bodies of offense supported in stationary position on the playing field, said additional bodies formed with a base having parts diverging from the body to form pockets, and a rollable body independent of the aforesaid playing pieces adapted to be engaged in said pockets.

2,101,765
AUTOMOTIVE TRANSMISSION
Perry L. Tenney, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 22, 1934, Serial No. 707,663
4 Claims. (Cl. 74—477)



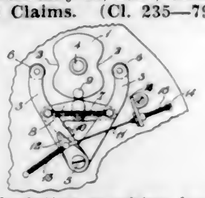
1. In combination, a transmission housing, movable power-transmitting ratio changing members in said housing, a pivot pin extended transversely of and within said housing, shift elements rotatably supported on said pin and engaging said members, a manually operable lever mounted on said pin for both longitudinal and transverse rocking movements, said lever having parts to engage the one or the other of said elements by its transverse movements and to thereafter rock said engaged element by its longitudinal rocking movement.

2,101,766
CALCULATING MACHINE
Edward C. Walter, Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application December 17, 1935, Serial No. 54,909
2 Claims. (Cl. 235—79)



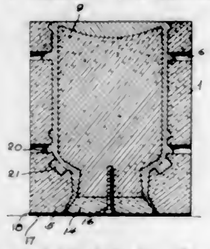
1. In a machine of the character described, provided with numeral wheel gears, means for actuating said gears differentially in accomplishing digitation including differential gears and gearing connections between said differential gears and said numeral wheel gears, means for adjusting said differential gears to bring selective teeth thereof into active registering position, and means for checking over-rotation of said numeral wheel gears including a coiled spring parallel to and engaging said gearing connections and having spaced supports; means lying within the paths of movement of the adjusted and without the paths of movement of unadjusted differential gears and cooperating with the active teeth of said differential gears acting as cams for rendering said check spring ineffective during said differential movement of the numeral wheel gears.

2,101,767
CALCULATING MACHINE
Edward C. Walter, Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application February 19, 1937, Serial No. 126,699
2 Claims. (Cl. 235—79)



1. In a calculating machine having numeral wheels, actuating mechanism therefor, and stopping means operable after the actuating mechanism has passed through full cycle position to retard said mechanism and to return the same to full cycle position; means for locating the actuating mechanism at rest in full cycle position including a cam having operating connection with said actuating mechanism and provided with opposite low points, spring tensioned members engaging said low points of the cam, said cam acting on initial movement of said actuating mechanism to move said members outwardly against the tension of their spring, means including a toggle joint for holding said members so moved outwardly, and means having operating connection with said stopping means and operable after the actuating mechanism has passed through full cycle position to release said holding means.

2,101,768
METHOD AND APPARATUS FOR MOLDING SEAMLESS HOLLOWWARE ARTICLES
Calvin C. Warren, South Dayton, N. Y., assignor of one-third to Edward Amacher and one-third to George W. Percy, both of South Dayton, N. Y.
Application June 15, 1937, Serial No. 148,370
5 Claims. (Cl. 22—190)



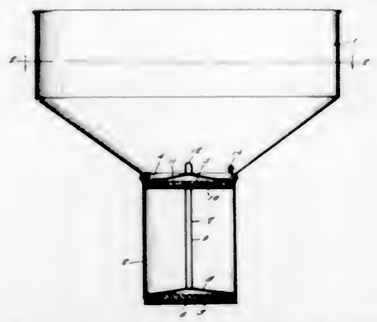
1. Molding apparatus for forming seamless milk cans of the type having restricted openings which comprises an outer female member whose inner wall is substantially cylindrical and terminates in a frustro-conical portion converging inwardly, an inner core member whose outer surface comprises a cylindrical portion the lower part of which forms a frustro-conical surface converging inwardly, said core member being of such diameter as to provide a space between the core member and the female member, a spacing member fitting within the lower portion of the female member, means for detachably securing the spacing member to the core member, a cover plate secured to the outer surface of the spacing member and covering the lower surface of the female member, the upper surface of the core member terminating in a plane slightly below the upper surface of the female member.

2,101,769
SWEEPER ATTACHMENT FOR MOTOR VEHICLES
Andrew Jackson Westmoreland, Florence, Ala.
Application April 30, 1936, Serial No. 77,263
3 Claims. (Cl. 15—78)



1. An attachment of the kind described comprising front and rear pivotally connected frame sections for the swinging of the front section over the rear section, casters swiveled to said sections for movably supporting the same, means for separably attaching the rear section to a vehicle, a sweeper mounted for vertical adjustment on the front section and adapted for the sweeping of a ground surface when said front section is lowered from over the rear section, and curb sweeping brushes carried by the said front section and disposed beyond opposite ends of the first-mentioned sweeper.

2,101,770
MILK STRAINER
Wilbur Wolfe, Carmel, Ind.
Application February 16, 1937, Serial No. 126,041
4 Claims. (Cl. 210—158)

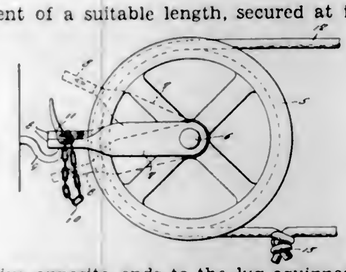


1. A strainer comprising a funnel including a depending discharge neck, a perforated bottom in the lower portion of said discharge neck, a removable pad mounted on said bottom, a perforated member resting on the pad, a stem rising from said perforated member, a second perforated member supported on the upper end of the stem, and a second pad resting on the second perforated member.

2,101,771
PULLEY
Elizabeth Yarnell, Elizabeth, N. J.
Application January 7, 1937, Serial No. 119,535
1 Claim. (Cl. 254—194)

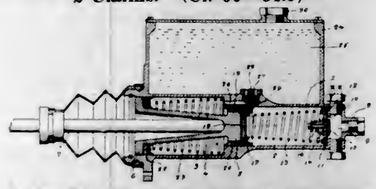
A pulley assembly comprising a pulley wheel, an axle on which said wheel is mounted, a pair of hanger arms provided at one end with apertures receiving therein the respective opposite ends of said axle, said hanger arms at their free ends being provided with integral apertured lugs adapted to be arranged in alignment to engage a suspension hook or the like, and a flexible

element of a suitable length, secured at its re-



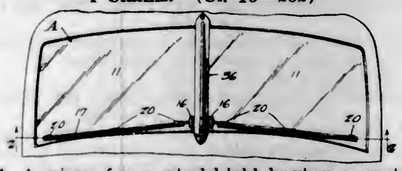
spective opposite ends to the lug equipped ends of said arms.

2,101,772
COMPOUND MASTER CYLINDER
Roscoe N. Baughn, Conway, Ark.
Application April 18, 1936, Serial No. 75,193
2 Claims. (Cl. 60—54.6)



1. A brake operating means for hydraulic braking systems comprising a master cylinder including bores of different diameters forming primary and secondary cylinders, a master piston operating in the master cylinder and including integrally connected heads of a size to match the bores of the primary and secondary cylinders, means for connecting the primary cylinder of the master cylinder to a hydraulic braking system, a double acting check valve for said last means and including a spring, one of the heads of the master piston having ports to place the primary and secondary cylinders in communication, a check valve plate controlling said ports and slidably supported by said last-named head, a cup-type piston operating in the primary cylinder and held against the plate valve by said spring, an operating means connected to the master piston, a reservoir carried by the master cylinder, said master cylinder having a passage communicating the primary and secondary cylinders with the reservoir, and a check valve operating in said passage for preventing flow towards the reservoir and having a restricted passage therethrough maintaining communication between the secondary cylinder and the reservoir at all times.

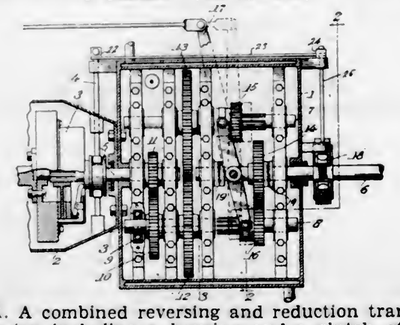
2,101,773
WINDSHIELD WIPER
Thomas Benton Bowen, Huntington, W. Va.
Application February 1, 1937, Serial No. 123,464
4 Claims. (Cl. 15—252)



1. A wiper for a windshield having a central upwardly directed post and glass panels at opposite sides thereof, comprising a movable carriage

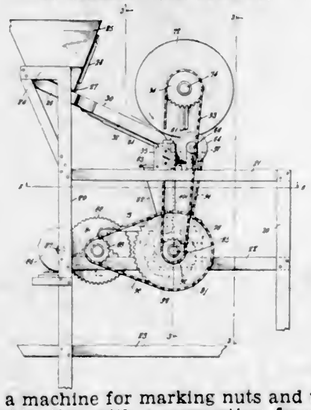
built into the post for up and down motion with respect to said panels, a shaft journaled within said post and having connection with the carriage for imparting up and down motion thereto, and reversely extended laterally directed wiper arms fitted with the carriage for contact with the windshield.

2,101,774
REVERSIBLE REDUCTION GEAR
Evan W. Brasfield, Sheffield, Ala.
Application August 15, 1936, Serial No. 96,259
3 Claims. (Cl. 74—358)



1. A combined reversing and reduction transmission including a housing and a clutch of a power source, a drive shaft supported by the housing and connected to the clutch, a driven shaft supported by the housing and arranged in endwise alignment with the drive shaft, counter shafts journaled in the housing, means connecting the countershafts, means connecting one of the countershafts to the drive shaft, a gear secured to the driven shaft, pinions slidably secured to the countershafts, and manually controlled means connected to said pinions for moving said pinions in opposite directions whereby the driven shaft may be rotated in either direction by the rotation of the drive shaft in one direction.

2,101,775
BRANDING MACHINE
William P. Bullard and Oswell L. Williams, Albany, Ga., assignors to National Pecan Growers Exchange, Albany, Ga., a corporation of Georgia
Application December 22, 1936, Serial No. 117,232
20 Claims. (Cl. 101—40)

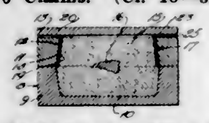


3. In a machine for marking nuts and the like, the combination with a supporting frame, of a

supply hopper, a marking device, a chute for conveying said nuts from the hopper to the marking device, said chute consisting of a stationary side portion and a combined bottom and side sliding portion cooperating with said stationary portion and means for reciprocating said sliding portion.

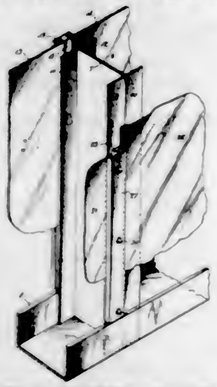
4. In a machine for marking nuts and the like, the combination with a supporting frame, of a supply hopper, a marking device, a chute for conveying said nuts from the hopper to the marking device, a spiral notched rotary cam, and means interposed between said cam and chute whereby said chute will be agitated upon the rotation of said cam.

2,101,776
MOLD-FLASK SEPARATOR
Arnold H. Feldman, Chicago, Ill.
Application February 25, 1937, Serial No. 127,753
6 Claims. (Cl. 18—33)



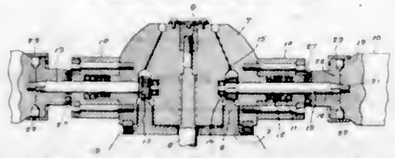
1. In a mold-flask separator, a bendable composite body formed of an outer section of cushioning material and an inner section of thin metallic material abutting the inner face of the outer section, said sections being of tape-like form, said inner section including a portion extending from one of the lengthwise edges of the outer section capable of being bent outwardly to overlap said edge, said portion being formed throughout with spaced parallel slits disposed in transverse relation with respect to the remaining portion of the said section.

2,101,777
BUILDING CONSTRUCTIONS
Charles J. Fox, Ellicottville, N. Y.
Application September 14, 1935, Serial No. 40,648
3 Claims. (Cl. 189—88)



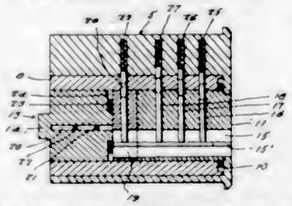
1. A building structure comprising a frame member formed of two channel elements connected back to back, and means for detachably fastening two panels to one flanged face of the member, said means comprising a key strip of channel formation having its back secured to a flange of only one of the two channel elements and having a transversely extending flange carried by each side wall thereof, a cover strip to overlie the key strip and having inwardly directed flanges terminating laterally outwardly of the key strip to clamp the panels against the frame member, and means engaging the side flanges of the key strip to hold the cover strip in place.

2,101,778
AIRCRAFT
Max Theodore Hempe, Providence, R. I.
Application March 30, 1936, Serial No. 71,735
3 Claims. (Cl. 170—162)



1. A helicopter propeller comprising a housing, a plate supporting the housing for revolution in a horizontal plane, boxes detachably secured to said housing, shafts journaled in said boxes and extending into the housing, a ring gear secured to the plate, pinions connecting the ring gear to the shafts, blades detachably secured to said shafts, and bearings interposed between the blades and the boxes and supported by the shafts.

2,101,779
CYLINDER LOCK
Frederick W. Kenney, Bloomfield, N. J.
Application February 24, 1936, Serial No. 65,504
14 Claims. (Cl. 70—419)

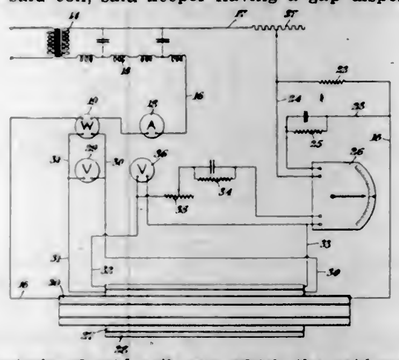


1. A cylinder lock of the character described comprising a relatively stationary casing formed with a bore, an outer tubular cylinder rotatable in said bore, a front cylinder, an intermediate cylinder, and a final cylinder rotatably mounted in the bore of said tubular outer cylinder, a locking bolt operating element on said final cylinder, first means engaging said final cylinder, said outer tubular cylinder, and said casing for holding said final cylinder and said outer tubular cylinder and said casing from rotating relative to each other in a locked condition of the lock, second means in said casing and said outer tubular cylinder preventing relative rotation of said outer cylinder and said casing in a locked condition of the lock.

2,101,780
ELECTROMAGNETIC TESTING OF MATERIALS
Carl Kinsley, Westfield, N. J., assignor to United States Steel Corporation, New York, N. Y., a corporation of New Jersey
Application October 8, 1932, Serial No. 636,921
18 Claims. (Cl. 175—183)

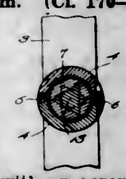
1. In apparatus for the magnetic testing of materials, means to obtain a substantially uniform magnetic flux throughout a known mass of said material, said means including an electromagnetic coil adapted to extend beyond the ends of the said mass to be tested, compensating windings

adjacent the ends of said coil to substantially equalize the magnetic flux in said mass, a keeper for said coil, said keeper having a gap disposed



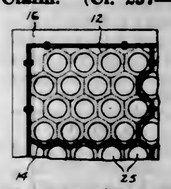
interiorly of said coil over which the said mass of material to be tested may be bridged, and means to pass a determined magnetizing current through the said coil.

2,101,781
FREEWHEELING DEVICE FOR AEROPLANE PROPELLERS
John H. Knobeck, Madison, Wis.
Application December 22, 1936, Serial No. 117,244
1 Claim. (Cl. 170—173)



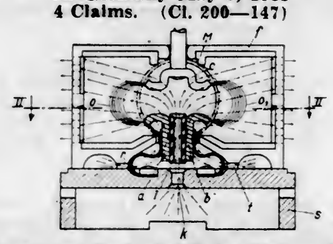
In combination with an aeroplane engine having a power shaft provided with a bore of triangular shape in cross section, a propeller including a hub journaled on said shaft and provided with a triangular-shaped bore, a spring-pressed clutch element slidable in the bore of the shaft and adapted to enter the triangular-shaped bore of the hub for securing the propeller to the shaft, and a manual control connected to the clutch element.

2,101,782
HEAT EXCHANGE APPARATUS
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 27, 1936, Serial No. 107,831
1 Claim. (Cl. 257—224)



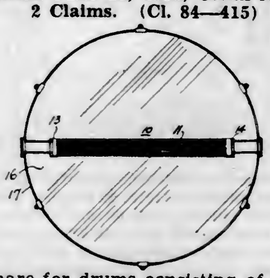
Heat exchange apparatus comprising a series of parallel metal tubes arranged in a plurality of groups and having their end portions enlarged into the shape of a polygon, the polygonal portions of adjacent tubes within each group being welded together, a metal strip extending around each group of tubes and welded to the polygonal portions thereof, and means to fasten together the strips of adjacent groups.

2,101,783
SPARK CHAMBER FOR AUTOMATIC CUT-OUTS
Wilhelm Leyhausen, Nuremberg, Germany
Application May 2, 1936, Serial No. 77,587
In Germany May 3, 1935
4 Claims. (Cl. 200—147)



1. In an overload circuit breaker, a base, a pair of spaced contacts spring supported from said base, a movable contact normally bridging said spaced contacts, a substantially closed chamber surrounding said contacts and resting on said base, means to admit air to said chamber between said pair of contacts, means at the ends of said chamber to discharge air from the chamber, and a pair of blow-out magnets supported on said base at opposite sides of the chamber and disposed in alinement with the space in the chamber centrally above the pair of contacts.

2,101,784
SNARE FOR DRUMS
George H. Logan, Pittsburgh, Pa.
Application June 18, 1936, Serial No. 85,934
2 Claims. (Cl. 84—415)

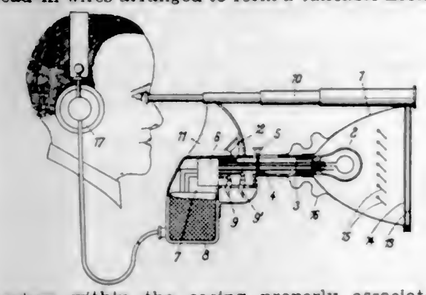


1. A snare for drums consisting of a plurality of spirally wound metallic strands of equal lengths arranged parallel in substantially one plane, and a pair of end plates to which all of the strands are secured at each end, half of the number of strands being wound in one direction, and the other strands being oppositely wound, thereby to counter-balance any tendency of the strands to twist either end plate out of its normal plane.

2,101,785
APPARATUS FOR SIGNALING WITH ULTRASHORT WAVES
Ernst Wilckens, Berlin-Sudende, Germany, assignor to Julius Pintsch Aktiengesellschaft, Berlin, Germany
Application May 13, 1936, Serial No. 79,459
In Germany January 8, 1935
7 Claims. (Cl. 250—6)

1. A portable compact transmitter of relatively light weight and capable of being readily

manipulated by a single user, comprising an elongated casing provided at its forward end with a concave mirror and at its rear end with a hand grip and a microphone, an ultra-short wave oscillator in the mirror, switch controlled lead-in wires arranged to form a tuneable Lecher



system within the casing properly associated with a source of current, the microphone and the oscillator, an upstanding hollow mouthpiece at the upper rear end portion of the casing, and a microphone disposed within the mouthpiece.

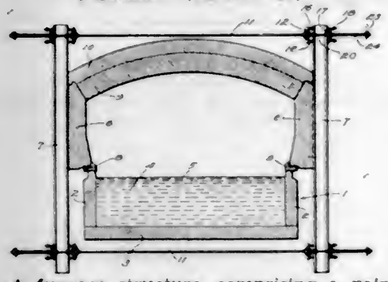
2,101,786

FURNACE CONSTRUCTION

Charles H. Wise, Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application January 25, 1936, Serial No. 60,834

9 Claims. (Cl. 263—46)



1. A furnace structure, comprising a pair of opposing buckstays, a tie rod therebetween, means providing a resilient connection between said tie rod and at least one of said buckstays, and optionally usable means providing a rigid connection therebetween, all said means being so constructed and arranged as to afford undiminished support to said furnace structure during the transition from said resilient to said rigid connection and vice versa.

2,101,787

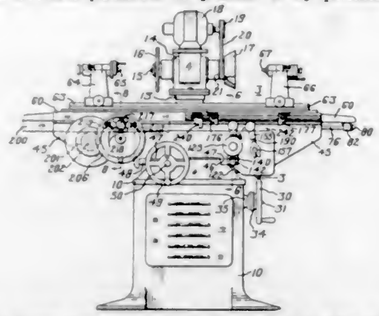
GRINDING MACHINE

Charles H. Amidon, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 30, 1936, Serial No. 71,543

10 Claims. (Cl. 51—95)

1. A grinding machine comprising a rotatable grinding wheel, a rotatable work support, a longitudinally movable table for said support, means to move the grinding wheel and work support transversely relative to each other, manual means to traverse said table longitudinally, a fluid pressure system including a piston and cylinder operatively connected to reciprocate the table longitudinally, means including a reversing valve to change the direction of movement of the table, a control valve which serves in one position to control the speed of movement of the table and in a second position to permit a by-passing of



fluid from one end of the cylinder to the other, and means actuated by the movement of the control valve to render the manual traverse mechanism inoperative.

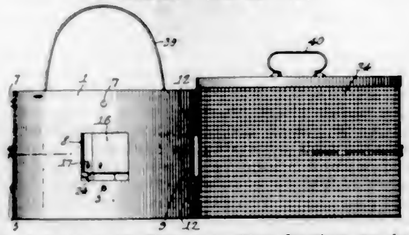
2,101,788

TRAP

Lew Benson, San Francisco, Calif., assignor of one-half to Arthur C. Benson, Glendale, Calif.; one-sixteenth to Lesley Dallas Benson, Tillimook, Oreg.; one-sixteenth to John Benson, Phillipsburg, Kans.; one-sixteenth to Bert O. Benson, one-sixteenth to Charl. Benson, one-sixteenth to William Benson, all of Vennes, Calif.; and one-sixteenth to Karl Mudge, East St. Louis, Ill.

Application May 18, 1937, Serial No. 143,351

3 Claims. (Cl. 43—74)



1. A trap including a section having an inlet and an outlet, a gate mounted for rotation in said section and including radial sweeps and a wing at the outer end of each sweep, a trigger for engaging one of the sweeps to hold the gate against rotation in one direction and to maintain the wings at one side of the inlet and the outlet respectively, said trigger being depressible by a rodent entering between the sweeps at the inlet, and means for automatically actuating the gate when the sweep is released to simultaneously close the inlet with one of the wings and force the rodent to a position adjacent to the outlet, and gravity means carried by said section for holding the gate from movement against the action of its operating means.

2,101,789

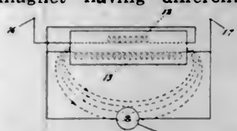
CONTROL OF ELECTRIC ARC LAMPS

Laurence Burns, Revere, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application September 11, 1935, Serial No. 40,048

6 Claims. (Cl. 176—124)

1. In combination, an electric arc lamp of the high pressure vapor type and an electromagnet to control the position of the discharge therein, said electromagnet having differentially con-



nected windings, the terminals of one of the windings being conductively and directly connected to the terminals of the lamp.

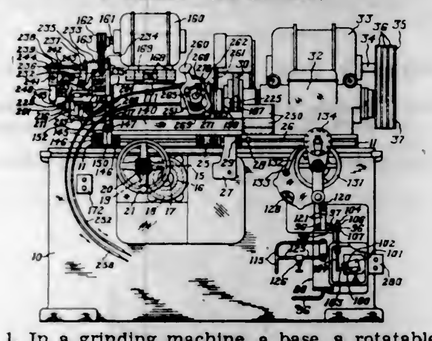
2,101,790

GRINDING MACHINE

Raymond A. Cole and Charles H. Amidon, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 14, 1936, Serial No. 105,566

7 Claims. (Cl. 51—105)



1. In a grinding machine, a base, a rotatable grinding wheel, a transversely movable slide therefor, a rotatable work supporting spindle, a motor which is arranged continuously to rotate said spindle, a chuck on said spindle, means including a fluid pressure piston and cylinder to control said chuck to clamp or release a work piece thereon, means including a fluid pressure operated piston and cylinder operatively connected to move the wheel slide transversely in either direction, an electrical control mechanism for said fluid pressure wheel feeding mechanism, a control valve to admit fluid to said chuck operating cylinder, and a manually operable control lever which is arranged when moved in one direction to operate said valve and when moved in a second direction to actuate said electrical mechanism to control the wheel feeding movement.

2,101,791

ALTERED TUNG OIL AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application September 29, 1934, Serial No. 746,145

10 Claims. (Cl. 87—12)

1. A siccative composition comprising the reaction product of a polyphenol of the class consisting of orcinol, phloroglucinol, resorcinol, pyrocatechol and hydroquinone, with a material containing tung oil, which composition is produced by heating the polyphenol with the tung oil material in the presence of an acid condensing agent at temperatures sufficiently high to cause a chemical reaction but not exceeding about 150° C., and which composition is thicker than the original raw oil and is miscible with glyceride oils, and when dissolved in a solvent to which driers are added and then applied to a surface in a thin film, dries to a frost-free surface.

2,101,792

ALKYD RESIN COATING AND COMPOSITION OF IMPROVED ALKALI RESISTANCE AND PROCESS OF MAKING SAME

Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application November 19, 1936, Serial No. 111,741

16 Claims. (Cl. 134—26)

13. A resinous coating composition of improved alkali resistance comprising a solution in an organic solvent of the homogeneous fused products of gelled fatty oil acids modified alkyd resin and rosin ester.

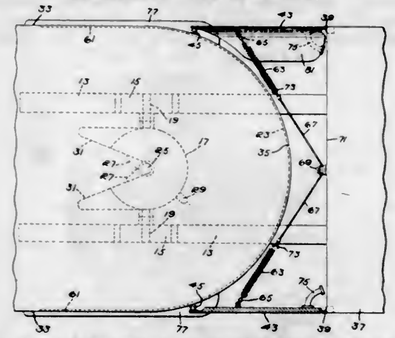
2,101,793

TRACTOR AND TRAILER

Fred F. Field, Jr., Brockton, Mass., assignor to Dutchland Farms, Inc., Brockton, Mass., a corporation of Massachusetts

Application June 29, 1936, Serial No. 87,831

10 Claims. (Cl. 280—33.1)



1. A vehicle having, in combination, a tractor, a trailer connected to said tractor for relative swiveling in the plane of the road, said tractor and trailer having bodies, the rearward end of the tractor body being spaced from the forward end of the trailer body at the sides of the vehicle, a swinging door at each side of the vehicle hinged to one of said bodies for closing the space between them, and spring means connecting a door at one side of the body with a door at the opposite side of the body for yieldingly holding said doors in closed position.

2,101,794

GRINDING WHEEL POSITIONING MECHANISM

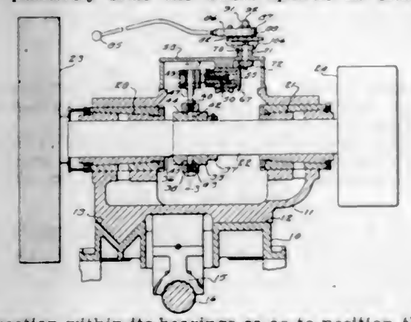
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application August 15, 1935, Serial No. 36,385

4 Claims. (Cl. 51—72)

1. In a grinding machine, a transversely movable wheel slide, spindle bearings in said slide, a rotatable wheel spindle supported in said bearings and arranged for a longitudinal axial positioning movement relative thereto, a rotatable grinding wheel carried by said spindle, a rotatable end thrust member on said spindle, a yoked member pivotally mounted on said slide and arranged to move the spindle axially within its bearings, a nut and screw mechanism to move

said yoked member, and means including a manually operable lever to actuate said nut and screw to positively slide the wheel spindle in either



direction within its bearings so as to position the grinding wheel into a predetermined position relative to the work piece and to positively hold it in said adjusted position during grinding.

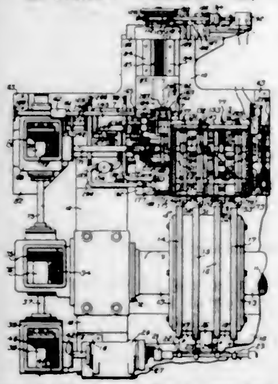
2,101,795

GRINDING WHEEL TRUING APPARATUS

Carl G. Flygare and Herbert A. Silven, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application October 8, 1935, Serial No. 44,069

15 Claims. (Cl. 125—11)



2. A truing apparatus for a grinding machine comprising a rotatable grinding wheel, means including an electric motor to rotate said wheel, a truing tool arranged to true the operative face of said grinding wheel, means to traverse the truing tool longitudinally relative to the grinding wheel to true the operative face thereof, means to move said truing tool to and from an operating position, and a control mechanism operated in timed relation with said latter means to change the speed of said motor so as to rotate the grinding wheel at a predetermined truing speed.

2,101,796

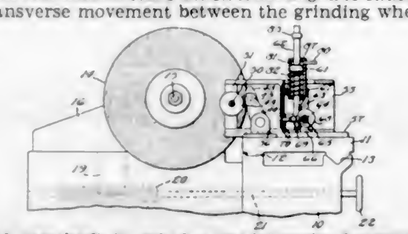
CAM GRINDING APPARATUS

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 27, 1936, Serial No. 112,949

10 Claims. (Cl. 51—101)

1. In a camshaft grinding machine, a rotatable grinding wheel, a longitudinally movable rock bar, a rotatable master camshaft on said bar having a plurality of master cams thereon, a rotatable work support on said bar which is arranged to support a camshaft in axial alignment with said master camshaft, means synchronously to rotate said camshaft and master camshaft, a rotatable master cam follower roller associated with said master cams which is arranged to cause a transverse movement between the grinding wheel



and camshaft to grind a predetermined contour on a cam blank, and means to move said master cam roller transversely during the grinding operation to produce a relative approaching movement between the camshaft support and grinding wheel to grind the cam blank to a predetermined size.

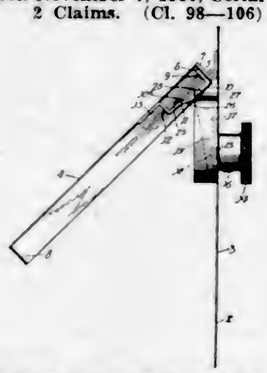
2,101,797

SHUTTER FOR RADIATOR ENCLOSURES AND THE LIKE

John Kacena, Chicago, and Edward E. Kelly, Oak Park, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application November 7, 1936, Serial No. 109,646

2 Claims. (Cl. 98—106)



1. A radiator enclosure including a front plate having openings therethrough, a shutter swivelably mounted on the back of the said plate for controlling the passage of air through the said openings and means comprising an eccentrically positioned cam rotatably mounted in said plate and operable from the front of the said plate, the said cam being eccentrically positioned with relation to its axis of rotation and having an annular relieved surface spirally inclined whereby upon rotation in one direction of the said cam the said shutter is movable within said enclosure and upon rotation in a reverse direction the said shutter is latched to prevent such movement.

2,101,798

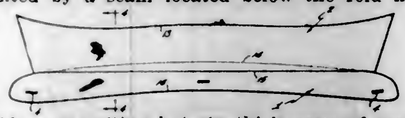
COLLAR AND METHOD OF MAKING THE SAME

Louis P. Madsen, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

Application February 19, 1936, Serial No. 64,695

2 Claims. (Cl. 2—143)

1. A multi-ply fold-over collar of the fused, self-stiffened type comprising a top portion including a facing ply and a rear ply, the facing ply being wider than the rear ply at the central portion at least of the collar, an integrating stiffening element substantially coextensive with the facing ply, a band portion comprising a facing ply, an interliner, and a rear ply, the upper edge of the front ply of the band being concave and the upper edge of the rear ply of the band being convex, the facing plies of the top and band being united by a seam located below the fold line,



said seam uniting but six thicknesses of material, and the rear plies of the top and band being united by a curved seam which substantially defines the fold line, said seam uniting but five thicknesses of material,—the integrating stiffening element extending uninterruptedly across the fold line and permanently uniting the front ply of the top directly to both the rear ply of the top and the upper part of the rear ply of the band.

2,101,799

BRUSH

Clarence G. Rowland, Newington Junction, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a corporation of Connecticut

Application January 16, 1935, Serial No. 2,073

5 Claims. (Cl. 15—205)



1. A brush back comprising a strip of material having a lengthwise groove and having a continuously thickened edge extending lengthwise thereof to provide a restricted pressure neck to retain the bristles in place.

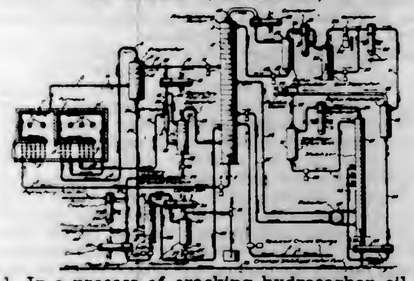
2,101,800

METHOD OF CRACKING HYDROCARBON OILS

Hermann C. Schutt, North Tarrytown, N. Y., assignor, by mesne assignments, to Gyro Process Company, Detroit, Mich., a corporation of Michigan

Application October 29, 1934, Serial No. 750,426

2 Claims. (Cl. 196—60)



1. In a process of cracking hydrocarbon oil to form desired lower boiling hydrocarbons including the steps of passing a stream of hydrocarbon oil through a conversion zone and subjecting the stream while passing through said zone to liquid phase cracking conditions of temperature and pressure for a period of time sufficient to form lower boiling hydrocarbons from higher boiling hydrocarbons of the oil, reducing the pressure on the products of the cracking operation to effect a separation of the oil into vapors and a primary liquid residue, subjecting vapors separated from the oil to vapor phase cracking conditions of temperature and pressure for a period of time sufficient to form desired lower boiling hydrocarbons from higher boiling hydrocarbons of the vapors, cooling the products of the vapor phase cracking operation with cooler oil sufficiently to condense the refractory higher boiling hydrocarbons of the cracked vapors, separating the condensed refractory higher boiling hydrocarbons from the uncondensed cracked vapors, passing the uncondensed cracked vapors to a fractionating zone, dephlegmating the vapors in the fractionating zone and recovering from the uncondensed overhead products of the fractionating zone the desired low boiling hydrocarbons; the improvement comprising withdrawing from the fractionating zone an intermediate fractional oil condensate lower boiling than said refractory higher boiling hydrocarbons and employing said condensate as said cooler condensing oil and as reflux oil in the separation of said refractory higher boiling hydrocarbons from the uncondensed cooled cracked vapors, diverting the condensed refractory higher boiling hydrocarbons as a secondary residue from the process, passing the primary liquid residue to a separate distillation zone, vaporizing primary lower boiling hydrocarbons of the residue in said zone, separately withdrawing the vapors and unvaporized residue from the distillation zone, cooling the vapors to condense the same, passing condensate resulting from the cooling of said vapors to said fractionating zone and withdrawing from said fractionating zone a stream of hydrocarbon oil for passage to said liquid phase conversion zone.

2,101,801

KNITTING MACHINE

Frank G. Weisbecker, Glenside, Pa., assignor to Arcadia Hosiery Co., Lansdale, Pa., a corporation of Pennsylvania

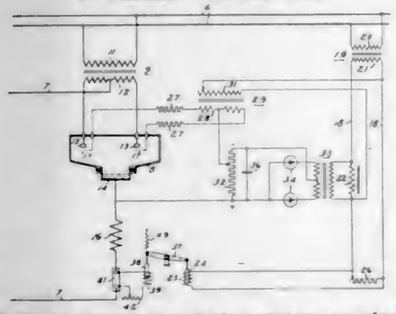
Application December 20, 1935, Serial No. 55,473

21 Claims. (Cl. 66—126)



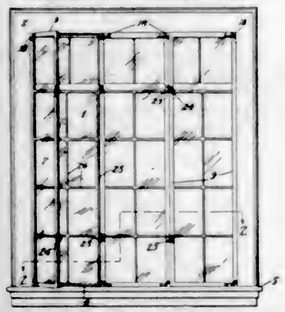
14. For use in a yarn carrier of straight knitting machines, a guide cooperating with said carrier and forming a yielding means for laying the yarn of said carrier along the sinkers and needles of the knitting machine, said guide at least in part comprising a helical coil of resilient material having a non-circular cross-sectional shape.

2,101,802
RECTIFYING SYSTEM
Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 18, 1934, Serial No. 731,105
15 Claims. (Cl. 175—363)



2. In an electric translating system, an electric valve having an anode with an associated control electrode and a cathode, and a control electrode circuit for said valve comprising a source of alternating current for impressing therefrom superimposed alternating and direct voltage components between said control electrode and said cathode to control the operation of said valve, and means responsive to an operating condition of said valve for simultaneously varying said voltage components independently of the magnitude of the voltage of said source to regulate the flow of current through said valve.

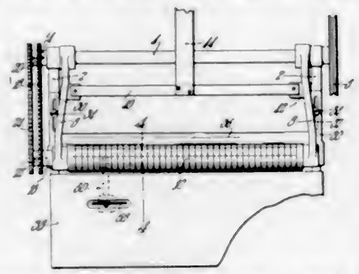
2,101,803
DOUBLE WINDOW
John K. Ames, Machias, Maine, assignor to Burrowes Corporation, Portland, Maine, a corporation of Maine
Application August 30, 1935, Serial No. 38,548
9 Claims. (Cl. 189—65)



1. A metal sash having a pane receiving recess and a weatherstrip receiving recess, said sash presenting a slender border for the pane and comprising front and rear strips and a concealed reenforcement defining with said strips said recesses and said rear strip and said reenforcement being detachably united.

2,101,804
BOOKBINDING
Paul W. Bidwell, Holyoke, Mass.
Application June 17, 1935, Serial No. 26,893
3 Claims. (Cl. 11—1)

1. An apparatus for binding the perforated leaves of a book with a preformed spiral binding member comprising in combination, a horizontal support for said book, a grooved roll journalled for rotation adjacent said support, an arm swingable relative to said support, a second grooved roll journalled for rotation therein for co-operating with the first-named roll to advance a spiral binding along the perforations of the leaves of a book on said support, electrically operated means to swing said arm to separate said rolls when a binding has advanced along said



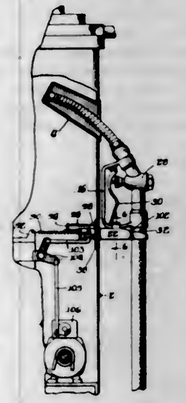
support a predetermined distance, the said means including a circuit-closing device on said support engageable by and actuated by the spiral binding as the same is advanced along the support a predetermined distance and a circuit connected to the electrically-operated means and circuit-closing device, all adapted and arranged whereby the circuit-closing device is actuated by a spiral binding when the same has advanced along the support a predetermined distance to cause the said rolls to be separated.

2,101,805
PROCESS OF TREATING LEGUMINOUS MATERIALS
Michele Bonotto, Evansville, Ind., assignor to American Soya Products Corporation, Evansville, Ind., a corporation of Indiana
No Drawing. Application August 28, 1934, Serial No. 741,822
3 Claims. (Cl. 99—98)

1. The process of treating leguminous products comprising the subjection of a charge of leguminous material containing bodies possessing an acrid taste and dark-colored substances, to the action of an aqueous solution of sulphur dioxide of a concentration between 0.02% and 0.25% as sulphur dioxide, and then washing said product in pure water.

2,101,806
LIQUID DISPENSING APPARATUS
William M. Carroll, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana
Application February 16, 1935, Serial No. 6,779
27 Claims. (Cl. 221—95)

1. In a control device for a liquid dispensing system, in combination, a liquid dispensing nozzle provided with a nozzle valve having an actuatable control member, liquid measuring means in the dispensing system, movable indicating means adapted to move from an initial predetermined position to indicate liquid dispensed, reset mechanism for resetting the indicating means to initial position, supporting means for the nozzle when not in use including relatively movable members having means for locking the nozzle valve actuating means in inoperative position when the nozzle is on its supporting means, and means interconnecting the reset mechanism with the movable one of said relatively movable members including means for preventing the unlocking of said nozzle valve actuating means until actuation of the reset mechanism.



2,101,807
FERTILIZER
John W. Corey, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application May 13, 1935, Serial No. 21,248
14 Claims. (Cl. 71—24)

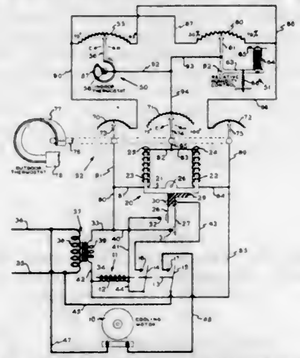
Control Number	Original Charge					Conditions			Product				
	Weight of Peat (dry basis) (Grams)	Weight of Water (Grams)	Nitrogenous Material (Grams)	Weight of Nitrogen (Grams)	Nitrogen Content (Per Cent)	Temperature (°C)	Time	Rate of Heating	Weight of Product (Grams)	Loss in Weight (Grams)	Loss in Weight (Per Cent)	Weight of Nitrogen in Product (Grams)	Nitrogen in Product (Per Cent)
1	—	—	Urea (Solid)	10.0	46.6	250 to 230	Atm.	Rapid (Less than 1 hour)	49.6	37.15	23.84	18.05	37.0
2	67.5	75.0	Urea (Solid)	42.0	21.0	225	Atm.	½	79.0	16.96	9.03	17.82	21.1
3	60.0	0	Urea (Solid)	42.0	15.73	220	Atm.	¼	73.0	14.34	11.28	10.45	33.0
4	35.0	75.0	Urea (Solid)	10.5	4.3	225 to 100	5	5.3	38.0	8.41	8.76	7.55	32.0
5	30.0	30	Urea (Solid) 40 cc. (5.34 grams)	7.5	11.65	231 to 230	Atm.	2 to 1	30.1	13.75	11.05	7.63	65.5

3. A fertilizer prepared by heating a mixture of peat and urea to a temperature at which the urea is decomposed with formation of nitrogen compounds which are relatively insoluble in water.

7. A method comprising mixing urea with a porous organic waste material and heating the mixture to a temperature above 180° C.

2,101,808
AUTOMATIC AIR CONDITIONING SYSTEM
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 17, 1934, Serial No. 757,854
19 Claims. (Cl. 236—44)

9. In combination, means in control of the condition of a space, electrical means in control thereof, a variable resistance space temperature actuated controller, a variable resistance outdoor temperature responsive controller, a variable resistance space relative humidity responsive controller, and electrical connections con-



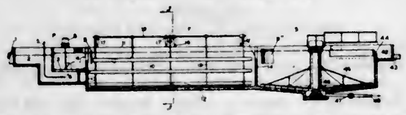
necting all of said variable resistance controllers to the electrical means.

2,101,809
POWDER BOX
Alexander H. Dreux, Orchard Park, and Joseph N. Royal, Buffalo, N. Y., assignors, by mesne assignments, to F. N. Burt Company, Inc., Buffalo, N. Y., a corporation of Delaware
Application October 28, 1935, Serial No. 47,138
19 Claims. (Cl. 229—5.5)



1. In a box, in combination, a drum, a closure therefor having a wedge plug engaging the end part of the interior of said drum to permanently expand the same and to cause constant pressure between the closure and drum, and a plurality of spaced teeth extending continuously around the wedge plug and indenting the drum to securely hold the parts together, one of the lower of said teeth being of greater diameter than that next above.

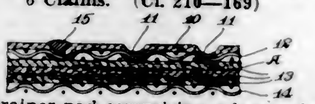
2,101,810
FLOCCULATION
Anthony J. Fischer, Jackson Heights, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application November 18, 1935, Serial No. 50,337
12 Claims. (Cl. 210—16)



11. Apparatus for flocculating and clarifying liquids, which comprises a basin divided into a longitudinally-extending flocculation zone and a sedimentation zone, a feed of liquid to be flocculated for the head section of the flocculation zone whereby the liquid follows a general flow-path through the flocculation zone entering at one end section and exiting from the other end section directly into the sedimentation zone, an outflow outlet for clarified liquid from the sedimentation zone, a sediment-discharge means for the sedimentation zone, travelling means for impelling to discharge

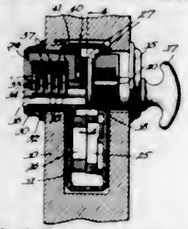
sediment in the sedimentation zone; and flocculation means comprising groups of a plurality of assemblies of aligned bladed elements within the flocculation zone and extending substantially parallel to the longitudinal axis of that zone, with motivating means for moving said bladed elements in paths that extend at right angles to said longitudinal axis whereby the liquid of the flocculation zone substantially throughout its length is gently agitated transversely to the direction of its flowpath.

2,101,811
FILTER PAD
Alvin W. Franzmeier, Rosemount, Minn.
Application December 28, 1935, Serial No. 56,509
6 Claims. (Cl. 210—169)



1. A strainer pad comprising a layer of gauze, and a layer of filtering material free from said gauze through the greater area thereof, said filtering material extending into said gauze at spaced intervals to reinforce the pad.

2,101,812
DOOR LOCK
Herman H. Kistner, Baltimore, Md., assignor to Kistner Lock & Appliance Company, a corporation of Maryland
Application January 29, 1936, Serial No. 61,382
5 Claims. (Cl. 70—370)



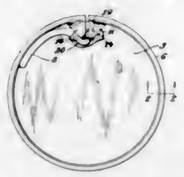
1. In a door lock having means engaging the periphery of a cylinder lock for retaining the cylinder from being unscrewed from the lock casing when the door is closed, the combination of a cylinder lock, guard means fixed on the inner end of the cylinder for engaging the door lock inner face of the casing to prevent forcible unscrewing of the cylinder.

2,101,813
RECEPTACLE AND CLOSURE
William Lockhart, Cleveland, Ohio, assignor to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 2, 1935, Serial No. 19,440
7 Claims. (Cl. 220—61)



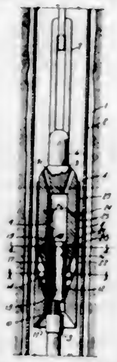
1. A device for removably clamping a cover on the open end of a metallic receptacle including a split locking ring having portions engaging the cover and the receptacle to press the same together when the ring is contracted, lugs extending inwardly from the ends of the ring defining the split and means for contracting and/or expanding the ring, said means, including a lever, having an arcuate bearing formed therein near one end, a member carried by one of said lugs and having a driving connection with said lever through the bearing, and a toggle pivotally connected with said lever and said other lug.

2,101,814
RECEPTACLE AND CLOSURE
William Lockhart, Cleveland, Ohio, assignor to Cornell Securities Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 2, 1935, Serial No. 19,441
11 Claims. (Cl. 220—61)



1. A device for removably clamping a cover on the open end of a receptacle including a split locking ring having portions engaging the cover and a portion of the receptacle to press the same together when the ring is contracted lugs extending inwardly from the ends of the ring, and means for contracting the ring including a lever having a pair of curved guides formed therein for sliding engagement with projections on said lugs, a projection on each of said lugs, and a member carried by said lever and connected with each of said lugs.

2,101,815
SLIP SOCKET
Louis V. Mallory, Salina, Kans., assignor of one-half to Grover C. Dale, Salina, Kans.
Application November 25, 1936, Serial No. 112,833
11 Claims. (Cl. 294—102)



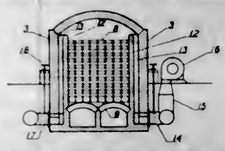
9. A slip socket of the character described including a body member having a bore therein and having passageways leading from the upper end of the bore for venting foreign matter, ball races in the body member communicating with said bore, balls in said races to contact an object

projecting into said bore, and a trap sleeve slidably mounted in said bore for selectively covering said ball races.

2,101,816
GALVANIZING COMPOSITION
Frank D. McBride, Philadelphia, Pa.
No Drawing. Application January 21, 1937, Serial No. 121,593
3 Claims. (Cl. 148—24)

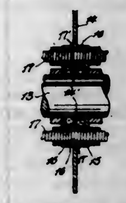
1. A galvanizing composition comprising an alloy of lead, tin and zinc in which the zinc is present in amount not less than 40% of the alloy, the lead and tin forming the balance of the alloy, and a flux capable of dissolving metal oxide in a dry state admixed with the alloy.

2,101,817
REGENERATOR
William A. Morton, Mount Lebanon, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1935, Serial No. 23,196
7 Claims. (Cl. 263—19)



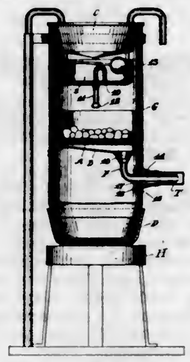
1. In a regenerator, top, side and bottom walls forming a chamber having top and bottom passages, a checker-work mounted in said chamber having walls in spaced relation with the walls of the chamber, vertically extending partition members dividing said spaces into vertical ducts communicating with a common chamber at the top and having air supply means at the bottom, means for drawing air from the bottom of the checker-work to the common chamber at the top, and means independent thereof for drawing quantities of air through the vertical ducts intermediate the checker-work and outer walls of the regenerator chamber.

2,101,818
CALCULATING MACHINE
Austin A. Overbury, East Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application January 23, 1936, Serial No. 60,531
1 Claim. (Cl. 235—133)



In power transmission means for transfer mechanism of calculating machines, a rotary shaft, a series of elements fixed to said shaft and having apertures, a series of carry members arranged longitudinally of and loose on said shaft and having apertures, and longitudinal coiled springs engaging aligned apertures of said elements and said carry members for transmitting rotary movement and for dampening vibration.

2,101,819
EXTRACTOR
Victor H. Roehrich, St. Paul, Minn.
Original application June 5, 1929, Serial No. 368,727. Divided and this application January 5, 1935, Serial No. 554
6 Claims. (Cl. 87—6)



1. An extractor including, an evaporating dish adapted to be heated by a heater, a closed casing extending above said dish and sealed with respect thereto, a filtering means adapted to support the material to be extracted mounted within said casing above the level of said dish, a condenser mounted in said casing above the level of said filtering means, an intermediate collector and intermittently operable dispenser secured below the level of said condenser to collect moisture draining from said condenser and positioned between said condenser and said filtering means, an outlet extending through said casing below the level of said filtering means and means beneath said filtering means and connected with said outlet for drawing off the solvent from said filtering means to leave the extracted material in the evaporating dish virtually dry.

2,101,820
PROCESS FOR THE PREPARATION OF POLYMERIZABLE UNSATURATED COMPOUNDS
John C. Woodhouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1933, Serial No. 701,053
10 Claims. (Cl. 260—106)

6. A process of preparing a methyl ester of methacrylic acid which comprises dehydrogenating isobutyraldehyde by passing it in the vapor phase over a dehydrogenation catalyst at a temperature between 200 and 500° C., and subsequently oxidizing the product and esterifying the oxidation product with methanol.

2,101,821
MANUFACTURE OF UNSATURATED ORGANIC COMPOUNDS
John William Croom Crawford, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 5, 1935, Serial No. 48,448. In Great Britain November 7, 1934
30 Claims. (Cl. 260—106)

1. A process for the preparation of unsatu-

rated organic compounds which comprises reacting a ketone cyanohydrin with a strongly concentrated acid selected from the group consisting of sulphuric acid, sulfonic acids, alkyl sulphuric acids, phosphoric acid and hydrogen chloride at a temperature below approximately 140° C.

2,101,822

MANUFACTURE OF UNSATURATED ORGANIC AMIDES

John William Croom Crawford and James Grigor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 7, 1936, Serial No. 78,488. In Great Britain May 10, 1935
13 Claims. (Cl. 260—124)

1. Process for the manufacture of unsaturated amides from ketone cyanohydrins which comprises heating a mixture of the ketone cyanohydrin with an acid chosen from the group consisting of sulphuric acid, oleum, alkyl sulphuric acid and mixtures thereof, to a temperature of 140°–180° C. for a period of time not substantially greater than 10 minutes.

2,101,823

PROCESS OF PREPARING CYANHYDRINS

Harry R. Dittmar, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 17, 1934, Serial No. 720,945
6 Claims. (Cl. 260—99.30)

1. In a process of preparing a cyanhydrin in accord with the equation:



in which

refers to a symmetrical or asymmetrical alkyl, aryl, aralkyl, or cyclic ketone or aldehyde, the steps which comprise initiating the reaction by dissolving at least a portion of the catalyst in the product of the reaction, adding the resulting solution, together with any undissolved catalyst to the



containing compound, and subsequently introducing the HCN.

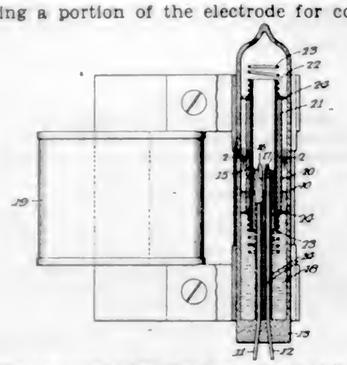
2,101,824

MERCURY SWITCH

Uno C. Hedin and Carl H. Larson, Elkhart, Ind., assignors to The Adlake Company, a corporation of Illinois

Application June 10, 1935, Serial No. 25,818
12 Claims. (Cl. 200—112)

1. A mercury switch of the class described comprising a vertical switch envelope, a mercury fill, a pair of electrodes of opposite polarity projecting through the fill, means for shifting the mercury level to bridge the electrodes with mercury and hence close the circuit through the electrodes, and an insulating sleeve on each electrode extending above the low level of the fill and exposing a portion of the electrode for contact



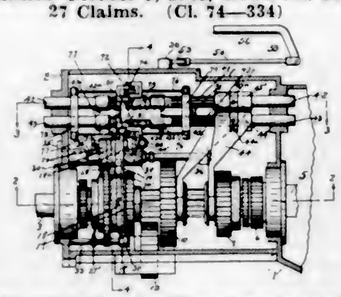
with the mercury when the mercury is at its high level.

2,101,825

AUTOMATIC GEAR SHIFTING MECHANISM

Earl A. Thompson, Portland, Oreg., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 9, 1923, Serial No. 667,478
27 Claims. (Cl. 74—334)



1. The combination with a power transmission including a pair of main shafts, gears on said shafts adapted to establish a drive between the shafts, means including a control lever for connecting and disconnecting said drive, of synchronizing means for establishing the desired speed relation between the main shafts before they are placed in driving relation, said synchronizing means comprising a conical member, a member normally freely rotatable on the conical member, and leverage multiplying means to produce engagement between the conical member and the normally freely rotatable member during the synchronizing period.

2,101,826

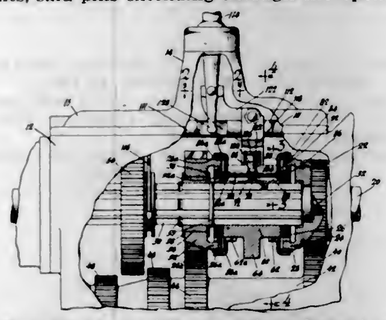
SYNCHRONIZING CLUTCH MECHANISM

Earl A. Thompson, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 9, 1935, Serial No. 48,971
6 Claims. (Cl. 192—53)

1. In variable speed power transmission mechanism, the combination of a shaft; axially spaced and axially fixed positive clutch elements capable of rotation independently of said shaft around the axis thereof; a positive coupling element slidably keyed to said shaft and adapted to be interlocked selectively with either of said axially fixed positive clutch elements, said slidable coupling element having openings parallel with the axis of the shaft; friction clutch elements rigid with said axially fixed positive clutch

elements; axially movable friction clutch elements arranged to cooperate with said axially fixed friction clutch elements; pins rigidly connecting said axially movable friction clutch elements, said pins extending through the openings



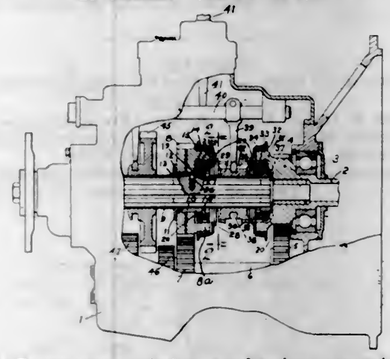
in the slidable positive coupling element each pin having spaced checking shoulders for cooperating with the edges of said openings, the cross-sectional dimensions of the pins between the spaced checking shoulders being less than that of the openings in the slidable positive coupling element.

2,101,827

SYNCHRONIZED POWER TRANSMISSION MECHANISM

Earl A. Thompson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 27, 1928, Serial No. 302,228
11 Claims. (Cl. 74—339)



1. Power transmission mechanism comprising drive and driven members, a shiftable element operatively associated with said members for establishing a driving relation therebetween, synchronizing means including a pair of coacting friction elements for establishing the desired speed relation between said members before said driving relation is established, a driving connection between one of said friction elements and one of the members, said driving connection constructed and arranged to allow restricted relative angular and axial movement and to convert relative angular movement into an axial movement of the friction element, means associated with the shiftable element causing positive release of the friction elements at the proper time, and means for effecting operation of the synchronizing means and shifting the shiftable element.

2,101,828

VAT DYE COMPOSITION

Harold W. Wass and Howard J. Rupright, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 5, 1935, Serial No. 34,723
20 Claims. (Cl. 8—6)

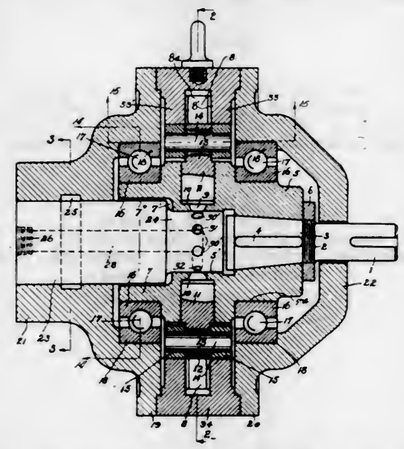
1. A dye paste comprising a thioindigoid vat dye and a hydrobenzene compound selected from the class consisting of hydrobenzene alcohols and their esters to which paste a printing gum is to be added to obtain a composition useful in printing cellulose fibers.

2,101,829

HYDRAULIC MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application May 10, 1934, Serial No. 724,933
7 Claims. (Cl. 121—61)

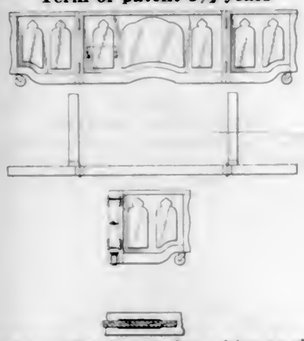


6. In a high pressure, rotary, radial piston hydraulic motor, a barrel comprising a rigid cylindrical portion having circumferentially spaced radial cylinders therein, valve means for the cylinders, anti-friction bearing means at opposite sides of the plane of the cylinders and supporting the barrel for rotation about its axis, a radial flange on said cylindrical portion in the plane of the cylinders, and having radial guideways respectively aligned with the cylinders, plungers in the cylinders, each plunger having a portion reciprocable in and guided by an associated guideway and substantially coextensive axially of the barrel with the flange, crosspins anti-frictionally mounted in the said portions of the plungers and extending parallel to the barrel axis beyond the lateral limits of the flange, rollers on the respective ends of each crosspin and having their inner faces in substantially face to face abutting relation respectively to the lateral faces of said portions, axially spaced parallel reactance means surrounding the barrel and having side walls extending radially of the flange alongside the radial faces thereof and in substantially abutting relationship thereto, said reactance means engaging the plunger rollers substantially contiguous to the lateral faces of the flange for relative rolling cooperation therewith for effecting rotation of the barrel.

DESIGNS

DECEMBER 7, 1937

107,307
DESIGN FOR A BIER
Earl C. Babcock, Painesville, Ohio
Application February 2, 1937, Serial No. 67,402
Term of patent 3½ years



The ornamental design for a bier as shown.

107,308
DESIGN FOR A SHOE
Benjamin Benjamin, New York, N. Y.
Application October 23, 1937, Serial No. 72,385
Term of patent 3½ years



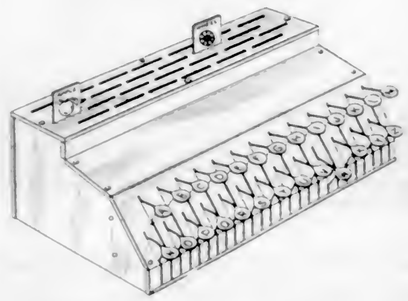
The ornamental design for a shoe substantially as shown.

107,309
DESIGN FOR A METALLIC FILIGREE BAND
August Brackman, New York, N. Y.
Application May 24, 1937, Serial No. 69,508
Term of patent 3½ years



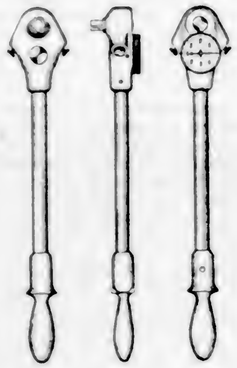
The ornamental design for a metallic filigree band as shown.

107,310
DESIGN FOR A TOY ALPHABET PICTURE REGISTER OR SIMILAR ARTICLE
Daniel C. Cahalane, Hillsdale, N. J., assignor to The Hoge Manufacturing Company, Inc., a corporation of New York
Application May 14, 1937, Serial No. 69,359
Term of patent 7 years



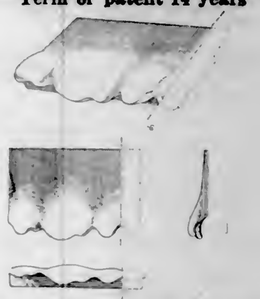
The ornamental design for a toy alphabet picture register or similar article, as shown and described.

107,311
DESIGN FOR A TORQUE MEASURING WRENCH
Allen I. Dunn, Cedar Rapids, Iowa, assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa, a corporation of Iowa
Application October 13, 1937, Serial No. 72,144
Term of patent 7 years



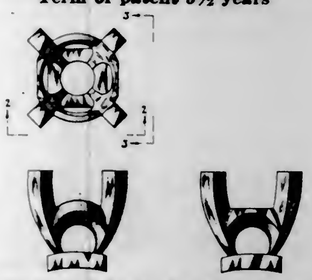
The ornamental design for a torque measuring wrench as shown.

107,312
DESIGN FOR A STRIP SHINGLE OR THE LIKE
Albert C. Fischer, Chicago, Ill.
Application April 19, 1937, Serial No. 68,862
Term of patent 14 years



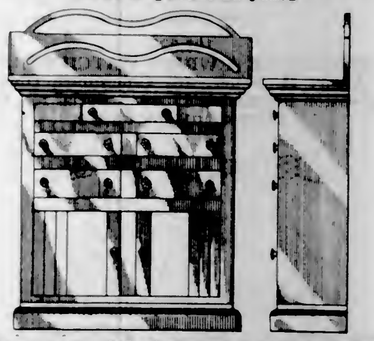
The ornamental design for a strip shingle or the like substantially as shown and described.

107,313
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Jacob J. Fischer, Newark, N. J.
Application September 24, 1937, Serial No. 71,767
Term of patent 3½ years



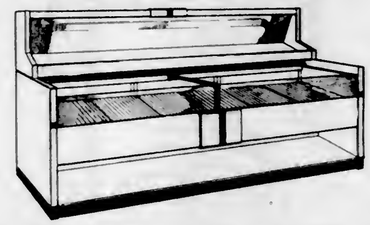
The ornamental design for a jewelry setting or similar article as shown.

107,314
DESIGN FOR A WARDROBE
George W. Harding, Baltimore, Md.
Application July 9, 1937, Serial No. 70,333
Term of patent 14 years



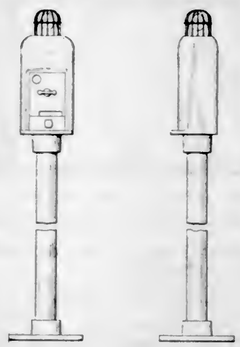
The ornamental design for a wardrobe as shown.

107,315
DESIGN FOR A REFRIGERATED VEGETABLE DISPLAY CASE
George J. Hopkins, Kendallville, Ind., assignor to McCray Refrigerator Company, Kendallville, Ind., a corporation of Indiana
Application September 27, 1937, Serial No. 71,804
Term of patent 7 years



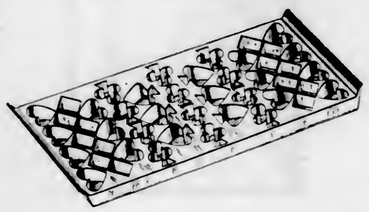
The ornamental design for a refrigerated vegetable display case as shown and described.

107,316
DESIGN FOR A PARKING METER
Charles H. Martin, Springfield, Mass.
Application October 23, 1937, Serial No. 72,391
Term of patent 7 years



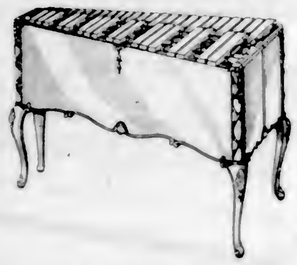
The ornamental design for a parking meter, as shown.

107,317
DESIGN FOR A REFRIGERATING MOLD
Jose H. de Murguiondo, Washington, D. C.
Application October 21, 1937, Serial No. 72,353
Term of patent 7 years



The ornamental design for a refrigerating mold, as shown.

107,318
DESIGN FOR A MARIMBA
Clair Omar Musser, Chicago, Ill.
Application September 20, 1937, Serial No. 71,698
Term of patent 3½ years



The ornamental design for a marimba, substantially as shown and described.

107,319
DESIGN FOR A DECORATIVE MIRROR
Frank H. Nonnenbacher, Brooklyn, N. Y.
Application April 28, 1937, Serial No. 69,013
Term of patent 3½ years



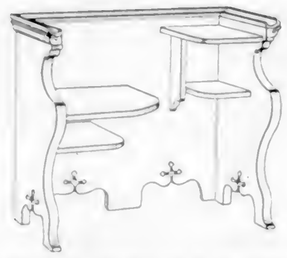
The ornamental design for a decorative mirror substantially as shown.

107,320
DESIGN FOR A DECORATIVE MIRROR
Frank H. Nonnenbacher, Brooklyn, N. Y.
Application April 28, 1937, Serial No. 69,014
Term of patent 3½ years



The ornamental design for a decorative mirror substantially as shown.

107,321
DESIGN FOR A TELEPHONE BOOTH
Charles S. Potts, Hastings, Mich., assignor to Grand Rapids Bookcase & Chair Co., Hastings, Mich., a corporation of Michigan
Application October 18, 1937, Serial No. 72,247
Term of patent 7 years



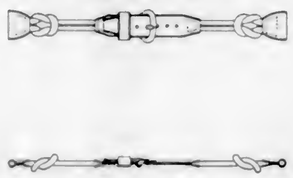
The ornamental design for a telephone booth, as shown.

107,322
DESIGN FOR A TIRE
Ralph M. Reel, Granville, Ohio, assignor to The Pharis Tire & Rubber Company, Newark, Ohio, a corporation of Ohio
Application May 1, 1937, Serial No. 69,118
Term of patent 14 years



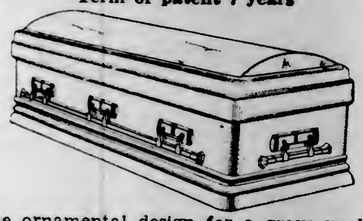
The ornamental design for a tire, as shown.

107,323
DESIGN FOR A WRIST WATCH STRAP
Albert H. Sauer, Jr., Cincinnati, Ohio
Application September 17, 1936, Serial No. 64,909
Term of patent 7 years



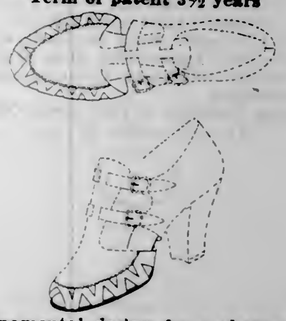
The ornamental design for a wrist watch strap, substantially as shown.

107,324
DESIGN FOR A GRAVE VAULT
Norman J. Schneiker, Galion, Ohio, assignor to Central Ohio Steel Products Co., Galion, Ohio, a corporation of Ohio
Application October 13, 1937, Serial No. 72,150
Term of patent 7 years



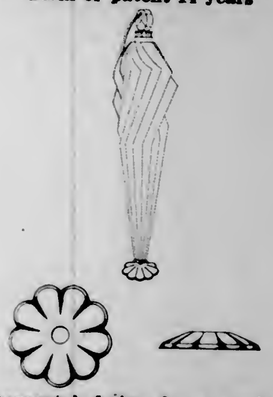
The ornamental design for a grave vault, as shown.

107,325
DESIGN FOR A SHOE
Charles I. Stoddard, Quincy, Mass., assignor to Charles Cushman Company, Boston, Mass., a corporation of Maine
Application November 1, 1937, Serial No. 72,547
Term of patent 3½ years



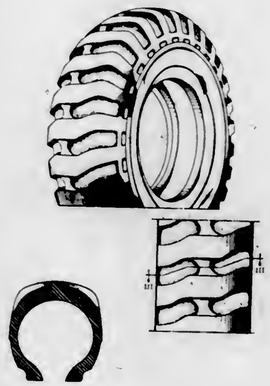
The ornamental design for a shoe, as shown and described.

107,326
DESIGN FOR A COMBINED UMBRELLA AND SUPPORT
Della P. Talamantes, Alhambra, Calif.
Application August 3, 1937, Serial No. 70,809
Term of patent 14 years



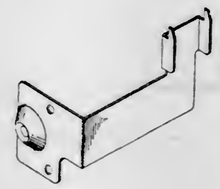
The ornamental design for a combined umbrella and support, as shown and described.

107,327
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application August 24, 1937, Serial No. 71,297
Term of patent 14 years



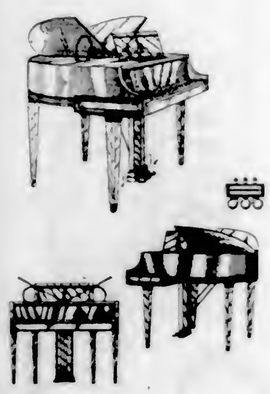
The ornamental design for a pneumatic tire, as shown.

107,328
DESIGN FOR A COMBINED CURTAIN ROD AND SHADE ROLLER BRACKET
Henry W. Ulrich, Elizabeth, N. J.
Application June 4, 1937, Serial No. 69,673
Term of patent 14 years



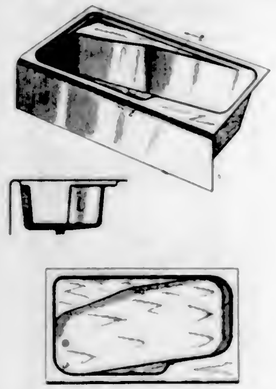
The ornamental design for a combined curtain rod and shade roller bracket as shown.

107,329
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application September 20, 1937, Serial No. 71,686
Term of patent 3½ years



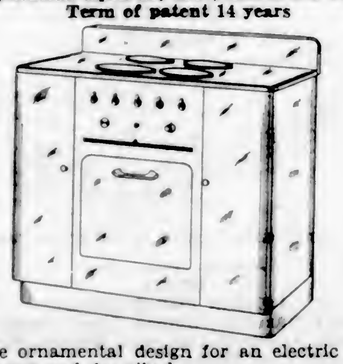
The ornamental design for a piano substantially as shown and described.

107,330
DESIGN FOR A BATHTUB
Roy H. Zinkil, Oak Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application May 3, 1937, Serial No. 69,130
Term of patent 14 years



The ornamental design for a bathtub, substantially as shown.

107,331
DESIGN FOR AN ELECTRIC RANGE
Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application April 26, 1937, Serial No. 68,978
Term of patent 14 years



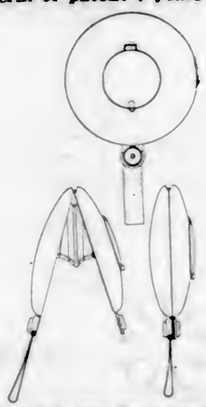
The ornamental design for an electric range, as shown and described.

107,332
DESIGN FOR AN EYECUP
Benjamin F. Conner, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 5, 1937, Serial No. 67,477
Term of patent 14 years



The ornamental design for an eyecup as shown and described.

107,333
DESIGN FOR A COMBINED LADY'S HANDBAG AND VANITY CASE
Josefine Glerden, Koln-Nippes, Germany
Application December 9, 1936, Serial No. 66,411
In Germany May 25, 1936
Term of patent 7 years



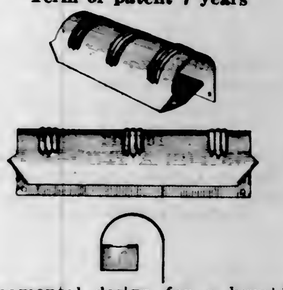
The ornamental design for a combined lady's handbag and vanity case substantially as shown and described.

107,334
DESIGN FOR A DIRECTIONAL SIGNAL LAMP FOR VEHICLES
Abraham Hollins and Jesse Hollins, Brooklyn, N. Y.
Application April 28, 1937, Serial No. 69,022
Term of patent 14 years



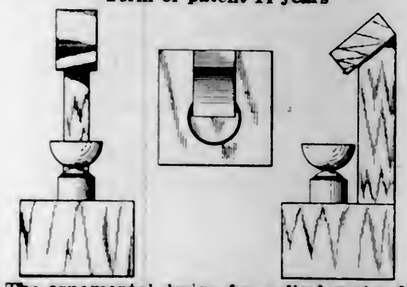
The ornamental design for a directional signal lamp for vehicles, as shown.

107,335
DESIGN FOR A HUMIDIFIER
Edward H. Horst, Clinton, Iowa, assignor to Patent Novelty Company, Fulton, Ill., a corporation of Illinois
Application October 13, 1937, Serial No. 72,142
Term of patent 7 years



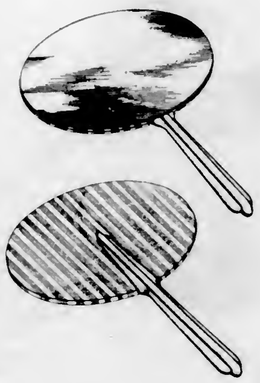
The ornamental design for a humidifier, as shown.

107,336
DESIGN FOR A DISPLAY STAND
John A. Kern, Chicago, Ill., assignor to The W. J. McCahan Sugar Refining & Molasses Co., Philadelphia, Pa., a corporation of Delaware
Application September 13, 1937, Serial No. 71,588
Term of patent 14 years



The ornamental design for a display stand, as shown.

107,337
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 6, 1937, Serial No. 69,209
Term of patent 14 years



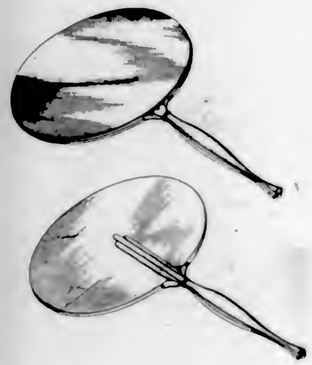
The ornamental design for a hand vanity mirror as shown and described.

107,338
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 7, 1937, Serial No. 69,224
Term of patent 3½ years



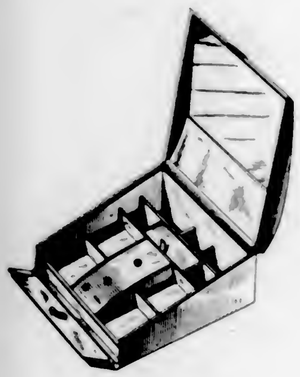
The ornamental design for a hand vanity mirror as shown and described.

107,339
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 8, 1937, Serial No. 69,248
Term of patent 3½ years



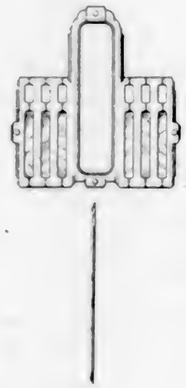
The ornamental design for a hand vanity mirror as shown and described.

107,340
DESIGN FOR A TOILET ACCESSORIES CONTAINER
Eugene J. Lux, New York, N. Y., assignor to Harriet Hubbard Ayer, Inc., New York, N. Y., a corporation of New York
Application August 14, 1937, Serial No. 71,079
Term of patent 3½ years



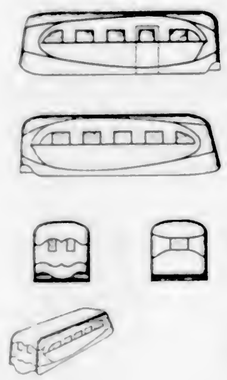
The ornamental design for a toilet accessories container as shown and described.

107,341
DESIGN FOR AN ESCUTCHEON PLATE FOR RADIO RECEIVERS
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 7, 1937, Serial No. 72,050
Term of patent 7 years



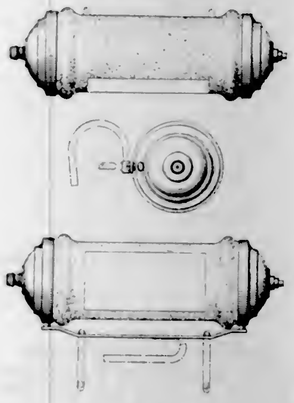
The ornamental design for an escutcheon plate for radio receivers as shown.

107,342
DESIGN FOR A VEHICLE BODY
Willard J. Miller, Detroit, Mich.
Application June 4, 1937, Serial No. 69,670
Term of patent 3½ years



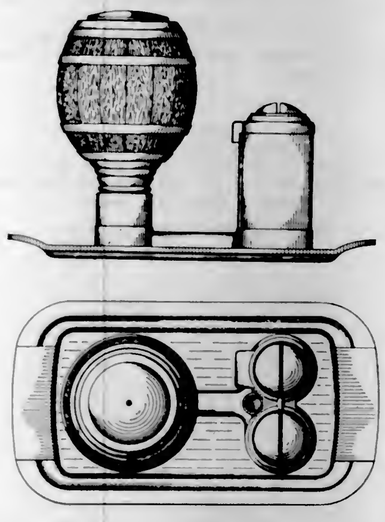
The ornamental design for a vehicle body, as shown.

107,343
DESIGN FOR A LAMP
Victor Nemeroff, Chicago, Ill., assignor to Electro Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 2, 1937, Serial No. 71,927
Term of patent 7 years



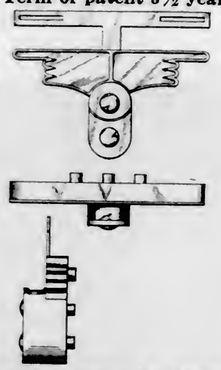
The ornamental design for a lamp as shown and described.

107,344
DESIGN FOR AN ELECTRICAL HUMIDIFYING DEVICE
Elmer A. Reid, Morrisville, Pa.
Application October 8, 1937, Serial No. 72,083
Term of patent 7 years



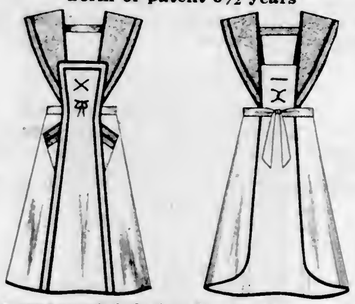
The ornamental design for an electrical humidifying device, substantially as shown and described.

107,345
DESIGN FOR AN AUTOMOBILE DIRECTION SIGNAL
William M. Wicker, Sr., Carlyle, Ill.
Application May 1, 1937, Serial No. 69,119
Term of patent 3½ years



The ornamental design for an automobile direction signal, as shown.

107,346
DESIGN FOR AN APRON
Vitalis Alcouloumre, New York, N. Y.
Application November 8, 1937, Serial No. 72,680
Term of patent 3½ years



The ornamental design for an apron, substantially as shown.

107,347
DESIGN FOR A DRESS
Abner C. Barnhart, New York, N. Y.
Application October 20, 1937, Serial No. 72,321
Term of patent 3½ years



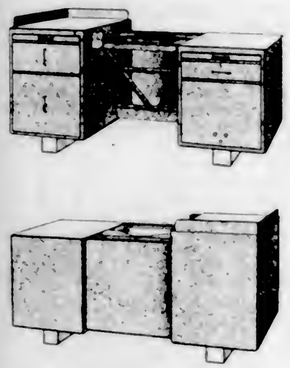
The ornamental design for a dress, substantially as shown and described.

107,348
DESIGN FOR A TEXTILE FABRIC
John W. H. Brooks, Philadelphia, Pa.
Application November 13, 1937, Serial No. 72,829
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

107,349
DESIGN FOR A DESK
James R. Clark, Rochester, N. Y., assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application May 24, 1937, Serial No. 69,530
Term of patent 14 years



The ornamental design for a desk, as shown and described.

107,350
DESIGN FOR A DIRECTIONAL SIGNAL LAMP
Edward T. Condon, New York, N. Y.
Application April 6, 1937, Serial No. 68,577
Term of patent 7 years



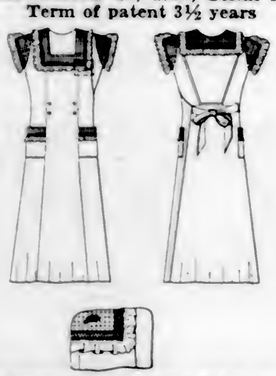
The ornamental design for a directional signal lamp, as shown.

107,351
DESIGN FOR A BUTTON
Fred H. Fisher, Syracuse, N. Y., assignor to Morris W. Haft & Brothers, Inc., New York, N. Y., a corporation of New York
Application March 23, 1937, Serial No. 68,358
Term of patent 3½ years



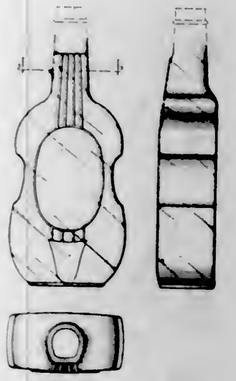
The ornamental design for a button, substantially as shown.

107,352
DESIGN FOR A DRESS
Samuel J. Goldfarb, New York, N. Y.
Application October 27, 1937, Serial No. 72,443
Term of patent 3½ years



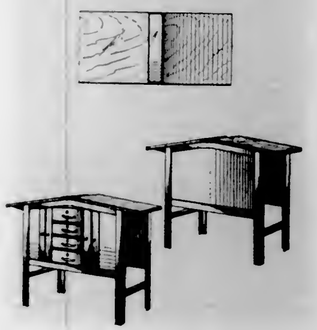
The ornamental design for a dress, as shown.

107,353
DESIGN FOR A BOTTLE
Harry D. Henshel, New York, N. Y., assignor to Bardstown Distillery, Inc., Bardstown, Ky., a corporation of Delaware
Application October 19, 1937, Serial No. 72,300
Term of patent 14 years



The ornamental design for a bottle as shown.

107,354
DESIGN FOR A DRAWING TABLE
Ubert C. Holland, New Brunswick, N. J., assignor to Endowment Foundation, New Brunswick, N. J., a corporation of New Jersey
Application September 30, 1937, Serial No. 71,885
Term of patent 14 years



The ornamental design for a drawing table, as shown.

107,355
DESIGN FOR A TEXTILE FABRIC FOR UPHOLSTERY
Henry P. Koch, Philadelphia, Pa., assignor to Northampton Textile Company, Mount Holly, N. J., a corporation of New Jersey
Application November 2, 1937, Serial No. 72,594
Term of patent 3½ years



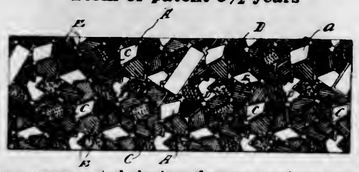
The ornamental design for a textile fabric for upholstery, as shown and described.

107,356
DESIGN FOR A WOVEN TEXTILE FABRIC
Joseph George Levy, New York, N. Y.
Application October 30, 1937, Serial No. 72,523
Term of patent 3½ years



The ornamental design for a woven textile fabric, substantially as shown.

107,357
DESIGN FOR WRAPPING PAPER
Arthur Lewin, New York, N. Y.
Application January 16, 1936, Serial No. 60,623
Term of patent 3½ years



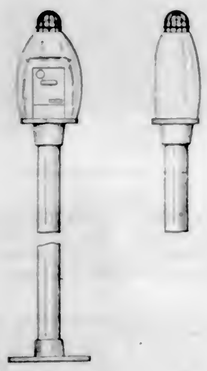
The ornamental design for wrapping paper, as shown and described.

107,358
DESIGN FOR A COMBINED BICYCLE GUARD AND LAMP
George S. Lewis, Oak Park, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application December 28, 1934, Serial No. 54,623
Term of patent 14 years



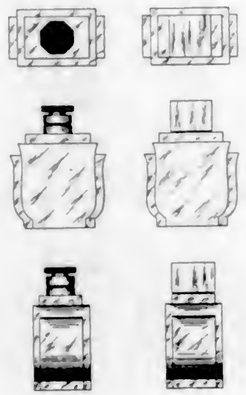
The ornamental design for a combined bicycle guard and lamp, substantially as shown.

107,359
DESIGN FOR A PARKING METER
Charles H. Martin, Springfield, Mass.
Application September 23, 1937, Serial No. 71,752
Term of patent 3½ years



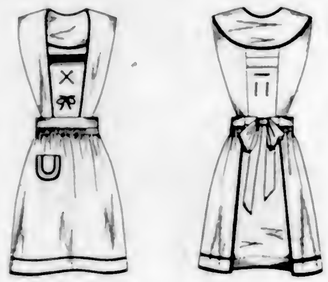
The ornamental design for a parking meter, as shown.

107,360
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1937, Serial No. 72,592
Term of patent 14 years



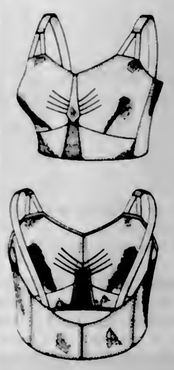
The ornamental design for a bottle substantially as shown.

107,361
DESIGN FOR AN APRON
Maurice Mitrani, New York, N. Y.
Application November 8, 1937, Serial No. 72,684
Term of patent 3½ years



The ornamental design for an apron, substantially as shown.

107,362
DESIGN FOR A BRASSIÈRE
William Rosenthal, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application May 12, 1937, Serial No. 69,317
Term of patent 14 years



The ornamental design for a brassière, as shown.

107,363
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application November 13, 1937, Serial No. 72,839
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,364
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application November 13, 1937, Serial No. 72,840
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,365
DESIGN FOR A TEXTILE FABRIC
John W. Snowden, Philadelphia, Pa.
Application November 13, 1937, Serial No. 72,833
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,366
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application November 13, 1937, Serial No. 72,859
Term of patent 7 years



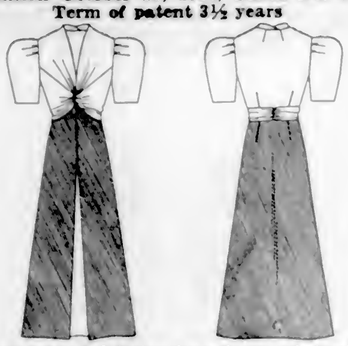
The ornamental design for a textile fabric, substantially as shown.

107,367
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application November 13, 1937, Serial No. 72,837
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

107,368
DESIGN FOR A DRESS
Philip Zahn, New York, N. Y.
Application October 20, 1937, Serial No. 72,333
Term of patent 3½ years



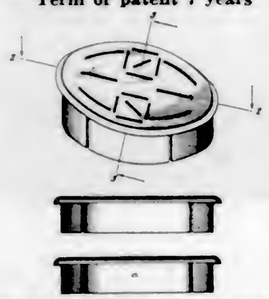
The ornamental design for a dress, substantially as shown and described.

107,369
DESIGN FOR A TEXTILE FABRIC
Joseph F. Berlinger, New York, N. Y.
Application November 13, 1937, Serial No. 72,838
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,370
DESIGN FOR A PIPE SPARK ARRESTER
Charley M. Bly, Cortez, Fla.
Application September 14, 1937, Serial No. 71,614
Term of patent 7 years



The ornamental design for a pipe spark arrester, as shown.

107,371
DESIGN FOR A FLASK
Sidney Brandeis, Chicago, Ill., assignor to Continental Glass Corporation, Chicago, Ill., a corporation of Illinois
Application November 1, 1937, Serial No. 72,549
Term of patent 3½ years



The ornamental design for a flask as shown.

107,372
DESIGN FOR A LACE FOR A JACKET OR SIMILAR ARTICLE
Lawrence E. Hart and Herbert E. Lewy, New York, N. Y.
Application July 20, 1937, Serial No. 70,539
Term of patent 3½ years



The ornamental design for a lace for a jacket or similar article, substantially as shown and described.

107,373
DESIGN FOR A LACE FOR A CAPE OR SIMILAR ARTICLE
Lawrence E. Hart and Herbert E. Lewy, New York, N. Y.
Application July 20, 1937, Serial No. 70,540
Term of patent 3½ years



The ornamental design for a lace for a cape or similar article substantially as shown and described.

107,374
DESIGN FOR A LACE FOR A JACKET OR SIMILAR ARTICLE
Lawrence E. Hart and Herbert E. Lewy, New York, N. Y.
Application August 23, 1937, Serial No. 71,242
Term of patent 3½ years



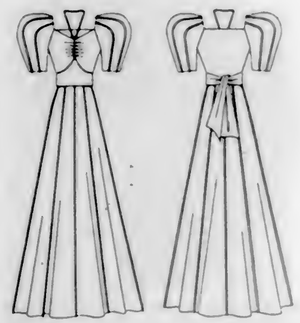
The ornamental design for a lace for a jacket or similar article substantially as shown and described.

107,375
DESIGN FOR A COMBINATION BOTTLE AND CLOSURE CAP
Edward Horney, New York, N. Y.
Application July 17, 1937, Serial No. 70,489
Term of patent 3½ years



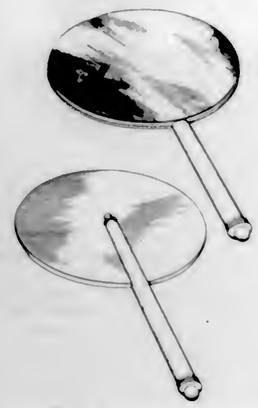
The ornamental design for a combination bottle and closure cap, as shown and described.

107,376
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application October 25, 1937, Serial No. 72,397
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,377
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 12, 1937, Serial No. 69,327
Term of patent 3½ years



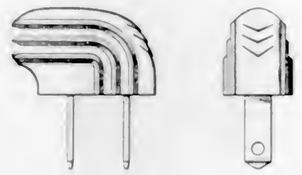
The ornamental design for a hand vanity mirror as shown and described.

107,378
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 10, 1937, Serial No. 69,253
Term of patent 3½ years



The ornamental design for a hand vanity mirror, as shown and described.

107,379
DESIGN FOR AN ELECTRICAL CONNECTING CAP
Raymond E. Patten and Gordon W. Florian, Bridgeport, Conn., assignors to General Electric Company, a corporation of New York
Application August 27, 1937, Serial No. 71,352
Term of patent 14 years



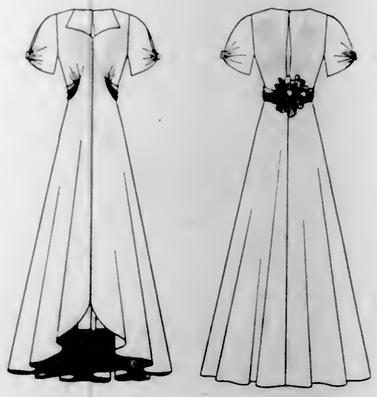
The ornamental design for an electrical connecting cap, as shown.

107,380
DESIGN FOR A DRESS
Sally Cicardo, New York, N. Y.
Application November 6, 1937, Serial No. 72,646
Term of patent 3½ years



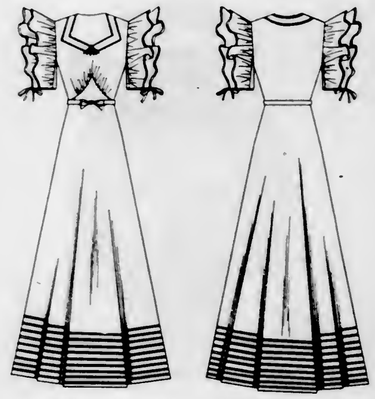
The ornamental design for a dress, substantially as shown.

107,381
DESIGN FOR A DRESS
Marie R. Berger, New York, N. Y.
Application November 9, 1937, Serial No. 72,725
Term of patent 3½ years



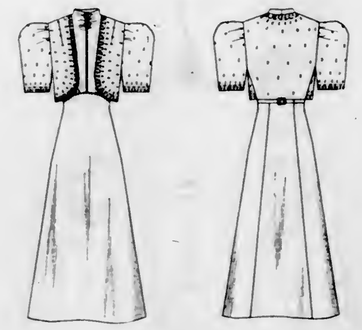
The ornamental design for a dress, substantially as shown.

107,382
DESIGN FOR A DRESS
Marie R. Berger, New York, N. Y.
Application November 9, 1937, Serial No. 72,726
Term of patent 3½ years



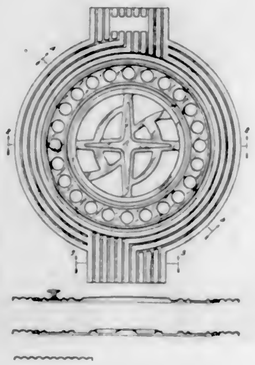
The ornamental design for a dress, substantially as shown.

107,383
DESIGN FOR A DRESS
Sally Cicardo, New York, N. Y.
Application November 6, 1937, Serial No. 72,647
Term of patent 3½ years



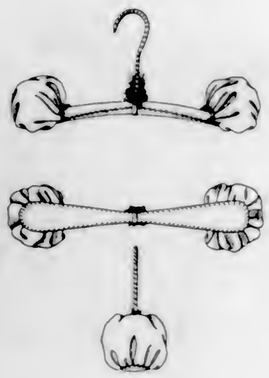
The ornamental design for a dress, substantially as shown, and described.

107,384
DESIGN FOR A DOOR FOR A HEATER CABINET OR THE LIKE
Mervin F. Cotes and Walter C. Schneider, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application May 10, 1937, Serial No. 69,279
Term of patent 3½ years



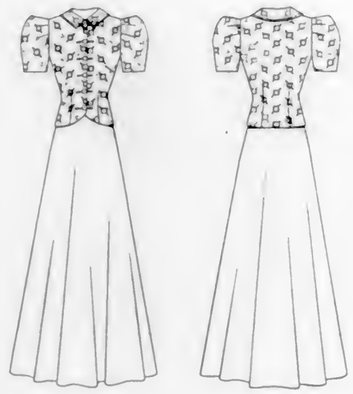
The ornamental design for a door for a heater cabinet or the like as shown.

107,385
DESIGN FOR A COMBINED HANGER AND DEODORANT CONTAINER
Helen de Benque, New York, N. Y.
Application October 21, 1937, Serial No. 72,348
Term of patent 3½ years



The ornamental design for a combined hanger and deodorant container, substantially as shown.

107,386
DESIGN FOR A DRESS
Alice Engel, New York, N. Y.
Application November 11, 1937, Serial No. 72,803
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,387
DESIGN FOR A DRESS
Benjamin Fried, New York, N. Y.
Application November 8, 1937, Serial No. 72,674
Term of patent 3½ years



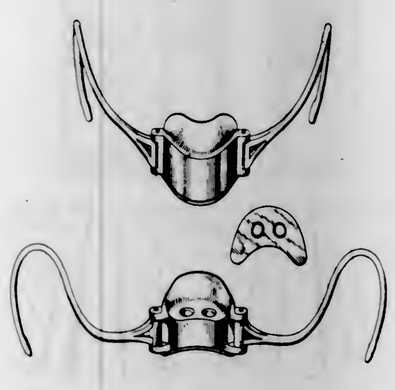
The ornamental design for a dress, substantially as shown.

107,388
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application November 10, 1937, Serial No. 72,738
Term of patent 3½ years



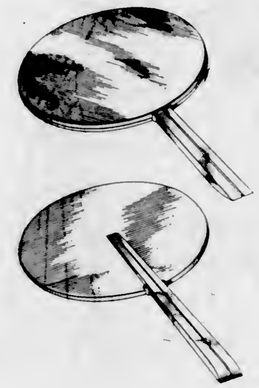
The ornamental design for a dress, substantially as shown.

107,389
DESIGN FOR A NOSE DEVICE OR SIMILAR ARTICLE
Benjamin Jacobson, New York, N. Y.
Application August 16, 1937, Serial No. 71,120
Term of patent 14 years



The ornamental design for a nose device or similar article, substantially as shown and described.

107,390
DESIGN FOR A HAND VANITY MIRROR
William La Hodny, Buffalo, N. Y.
Application May 11, 1937, Serial No. 69,292
Term of patent 3½ years



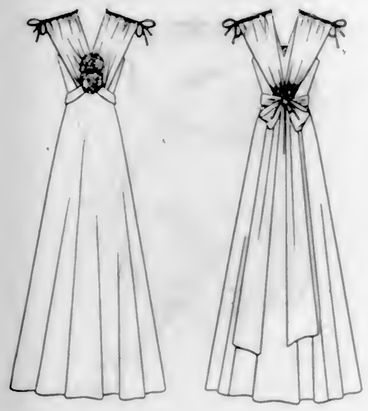
The ornamental design for a hand vanity mirror, as shown and described.

107,391
DESIGN FOR A DRESS
Ida Lampel, New York, N. Y.
Application November 6, 1937, Serial No. 72,648
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

107,392
DESIGN FOR A DRESS
Carolyn M. Santore, New York, N. Y.
Application November 6, 1937, Serial No. 72,649
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

107,393
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 6, 1937, Serial No. 72,650
Term of patent 3½ years



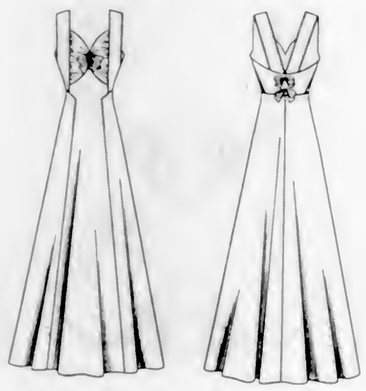
The ornamental design for a dress, substantially as shown.

107,394
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 6, 1937, Serial No. 72,651
Term of patent 3½ years



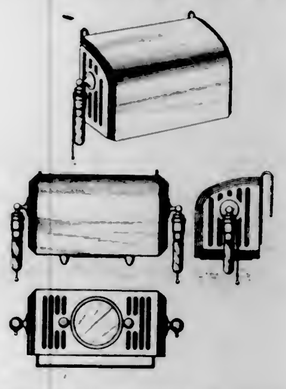
The ornamental design for a dress, substantially as shown.

107,395
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 6, 1937, Serial No. 72,652
Term of patent 3½ years



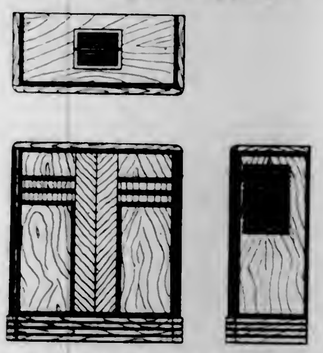
The ornamental design for a dress, substantially as shown.

107,396
DESIGN FOR A COMBINED RADIO RECEIVING SET AND BED LAMP
Leonard Tulauskas, Chicago, Ill., assignor to Climax Radio & Television Co., Chicago, Ill., a corporation of Illinois
Application September 22, 1937, Serial No. 71,714
Term of patent 7 years



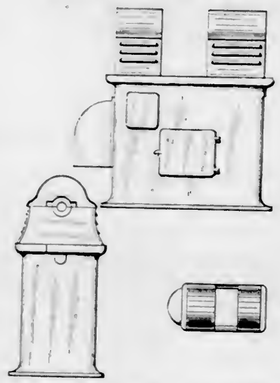
The ornamental design for a combined radio receiving set and bed lamp, substantially as shown.

107,397
DESIGN FOR A SELF-CONTAINED AIR CONDITIONER CABINET
Herbert F. Weissinger, Detroit, Mich.
Application June 19, 1937, Serial No. 69,925
Term of patent 3½ years



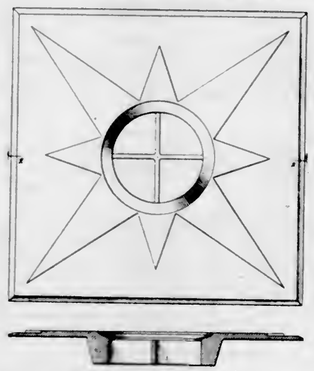
The ornamental design for a self-contained air conditioner cabinet, as shown.

107,398
DESIGN FOR A CASING FOR METALWORKING MACHINE
Guy C. Worrell, Westfield, Mass.
Application October 19, 1937, Serial No. 72,318
Term of patent 14 years



The ornamental design for a casing for metalworking machine, as shown.

107,399
DESIGN FOR A COVER PLATE FOR AIR EXHAUSTING DEVICE
Harry Broadwin, Brooklyn, N. Y.
Application June 26, 1937, Serial No. 70,067
Term of patent 14 years



The ornamental design for a cover plate for air exhausting device substantially as shown and described.

THE

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December 14, 1937

Trade-Marks	210—No.	352,735 to No.	352,944, inclusive.
T. M. Renewals	20		
Labels	34—No.	50,449 to No.	50,482, inclusive.
Prints	10—No.	16,604 to No.	16,613, inclusive.
Reissues	17—No.	20,578 to No.	20,594, inclusive.
Patents	753—No.	2,101,830 to No.	2,102,582, inclusive.
Designs	96—No.	107,400 to No.	107,495, inclusive.
Total	1,140		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,896,276, G. Barsky and H. P. Wohnsiedler, Urea-acetaldehyde-formaldehyde resin and process of making same, decided October 5, 1937, claims 2 and 3.

Pat. 1,902,460, A. H. Mittag, Electric translating circuits, decided October 14, 1937, claim 11.

Pat. 1,984,060, Gerald Deakin and William Hatton, Telephone system, decided October 26, 1937, claims 4 and 7.

Suggestion for the Use of Coupons

The execution of orders for printed copies of U. S. patents, trade-marks, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Adjudicated Patents

(D. C. N. Y.) Cramer patent, No. 1,800,719, for electrical condenser, claims 4, 11, 17, and 18 *Held* valid and infringed, and claim 20 *Held* invalid. *Condenser Development Corporation* v. *Montgomery Ward & Co.*, 20 F. Supp. 600.

(D. C. Minn.) Hawkinson patent, No. 1,917,261, for method of retreading tire casings, *Held* valid and infringed. *Paul E. Hawkinson Co.* v. *Skogmo-Gamble Inc.*, 20 F. Supp. 543.

(D. C. Minn.) Hawkinson patent, No. 1,917,262, for apparatus for retreading tire casings, claims 4, 5, 6, 9, and 10 *Held* valid and infringed. *Id.*

(D. C. N. Y.) Tompkins patent, No. 1,932,328, for condenser flame construction, claims 1, 4, and 5 *Held* invalid. *Condenser Development Corporation* v. *Montgomery Ward & Co.*, 20 F. Supp. 600.

Disclaimers

1,984,060.—*Gerald Deakin*, New York, N. Y., and *William Hatton*, Paris, France. TELEPHONE SYSTEM. Patent dated December 11, 1934. Disclaimer filed November 18, 1937, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to claims 4 and 7 of said Letters Patent.

2,072,789.—*Isaac Arthur Anson*, Tulsa, Okla. HYDROCARBON PROCESS. Patent dated March 2, 1937. Disclaimer filed November 26, 1937, by the assignee, *Standard Oil Company.*

Hereby enters this disclaimer to claim 1 in said specification.

Condition of Applications Under Examination at Close of Business November 27, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,889; Trade-Mark Division, 1,837. Oldest new case, May 18, 1937; oldest amended, May 20, 1937.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 3	July 13	716
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	July 28	July 27	777
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Sept. 21	Sept. 27	442
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Aug. 25	Aug. 24	486
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Aug. 28	Sept. 1	572
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 24	Aug. 26	759
5725	7. JARBOE, C. G., Optics; Photography	Aug. 18	Aug. 14	1,031
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 12	Aug. 23	611
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 23	July 22	525
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	July 19	July 28	846
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Aug. 25	Aug. 25	470
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	July 13	July 22	679
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 4	Aug. 4	656
6697	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 23	Aug. 23	537
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics			
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 18	Aug. 18	1,048
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Aug. 6	July 28	751
		Aug. 27	Aug. 31	541
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices			
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 6	July 29	477
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	July 29	July 30	794
		Aug. 5	Aug. 7	478
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Aug. 27	Aug. 27	529
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Aug. 31	Sept. 1	573
7624	23. BUTTNER, W. J., Registers (part)	May 18	May 20	297
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 1	Sept. 1	641
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 21	Aug. 15	598
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power			
5706	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	July 30	July 27	493
4628	28. SOLYOM, H. L., Internal-Combustion Engines	June 21	June 21	907
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Sept. 13	Aug. 25	352
		Aug. 2	July 31	735
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	June 28	June 28	892
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons			
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 28	Aug. 30	582
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Aug. 18	Aug. 20	493
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Aug. 26	Aug. 16	892
		Sept. 1	Sept. 13	346
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles			
7802	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Aug. 24	Sept. 2	542
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	July 13	July 3	544
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	June 28	June 30	735
		July 28	July 31	639
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	July 24	Aug. 4	595
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles			
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	July 24	July 24	1,296
5882	42. CUTTING, H. O., Electric Signaling	Aug. 16	Aug. 16	281
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Aug. 14	July 7	516
		Aug. 27	Aug. 27	621
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages			
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	July 1	July 3	805
		Aug. 12	Aug. 6	678
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 4	Aug. 6	587
6082	47. LOWE, E. R. (Act.), Clutches; Brakes			
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 24	Aug. 28	586
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Aug. 18	Aug. 18	554
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	June 7	June 4	854
5628	51. BACKUS, C. D., Radiant Energy	Aug. 27	Aug. 27	584
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 20	Aug. 20	753
		Aug. 11	Aug. 12	925
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 17	July 24	777
5874	54. STRACHAN, O. W., Electric Lamps, Vapor Electric Devices; Space Discharge Tubes	Sept. 13	Sept. 18	427
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 19	July 16	926
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 21	July 21	1,002
6613	57. NICOLSON, G. D. O., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	July 8	July 30	551
5605	58. DOWELL, E. F., Abrading; Bottles and Jars			
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Aug. 2	Aug. 6	385
		Aug. 14	Aug. 14	622
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 9	Aug. 9	525
6724	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 23	June 22	637
5621	62. PUGH, R. C., Games; Geometrical Instruments			
4568	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Aug. 27	Aug. 28	576
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue, Liquid Coating Compositions; Fuel.	Aug. 26	Aug. 26	394
		Aug. 27	Aug. 27	1,003
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	July 26	July 28	671
2089B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND	Oct. 14	Oct. 21	1,562
	Trade-Marks	Oct. 21	Nov. 10	275
2605	Labels and Prints	Nov. 1	Nov. 16	782
	DESIGNS, H. H. KALUPY			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE BOYD ET AL.

No. 3,806. Decided June 7, 1937

[90 F.(2d) 130]

PATENTABILITY—MOTOR FUEL AND PROCESS OF MAKING SAME.

Claims for a motor fuel and claims for a process of making same *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

HATFIELD and GARRETT, *J. J.*, dissenting.

Mr. Hugh Kenelpp and *Mr. Thomas A. Boyd*, pro se for Boyd et al.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

Appellants filed an application in the United States Patent Office for a patent on certain alleged new and useful improvements in motor fuels and a process for making the same. Claims 5, 10, 13, 14, 15, and 17 to 22, inclusive, were rejected by the Examiner and, on appeal, this decision was affirmed by the Board of Appeals. These claims are now before us on appeal.

Claims 5, 10, 14, 18, and 19 are thought to be typical and are as follows:

5. The process of improving the detonation characteristics of an internal combustion engine fuel containing paraffin hydrocarbons which comprises determining the anti-knock value of isomers of the normal paraffin hydrocarbons and selectively increasing in said fuel the content of such isomers of the class having a relatively high anti-knock value.

10. A volatile hydrocarbon fuel for use in internal combustion engines consisting predominantly of isomers of the normal paraffin hydrocarbons of less than eight carbon atoms.

14. A fuel of high anti-knock value for internal combustion engines comprising a mixture of a fuel constituent having a relatively low anti-knock value and a fuel constituent selected from the group of volatile isomers of the normal paraffin hydrocarbons having an anti-knock value higher than that of 2,2,4-trimethyl pentane, said last-named constituent being present in greater proportion than in the motor fuel distillates of natural petroleum.

18. The process of preparing a fuel of relatively high anti-knock properties for use in internal combustion engines comprising preparing a mixture of saturated aliphatic hydrocarbons of the hexane and heptane groups the molecular structure of which is more highly centralized than in the normal members of the groups and adding such mixture to a fuel whose anti-knock properties are relatively low.

19. A fuel of improved anti-knock properties for use in internal combustion engines comprising, in combination with a fuel fraction of relatively low anti-knock properties, a material proportion of isomers of normal hexane and heptane having a more centralized molecular structure than 2 methyl hexane and 2 methyl heptane.

The references relied upon by both tribunals are: Snelling, 1,186,855, June 13, 1916; Henderson et al., 1,868,102, July 19, 1932; Cross "Handbook of Petroleum, etc."; Bulletin 25 of K. C. Testing Laboratory (1928), page 200 and page 374; Edgar "Measurement of Knock Characteristics of Gasoline * * * Fuel" Jour. of Ind. & Eng. Chem. January, 1927, pages 145 and 146; Gruse "Petroleum and Its Products", First Edition, pages 18, 19 and 232; Anderson et al. "Composition of Natural Gas", Jour. of Ind. and Eng Chem. March, 1924, pages 263–267.

Claim 5 was rejected on the Edgar article in "Journal of Industrial and Engineering Chemistry", on Henderson et al., Snelling, and on Gruse, and on the Anderson et al. article from the "Journal of Industrial and Engineering Chemistry", in view of Gruse. The remaining claims were rejected on the same references, although these claims differ in some respects from claim 5.

The alleged invention relates to the production of a motor fuel with high anti-knock or anti-detonating qualities. In preparing such fuel, it is proposed to use the aliphatic hydrocarbons. The applicants contend that they have discovered that the normal straight or open chain hydrocarbons have low anti-knock value in comparison with their isomers. Having found this to be true, the applicants concluded that they could produce motor fuel of high anti-knock qualities by adding to gasoline of low anti-knock qualities, sufficient isomers to bring the motor fuel to the point where its anti-knock value would be high. The blending was to be made as the result of careful tests. The underlying theory is that the more centralized the molecular structure of the motor fuel is, the less knocking or detonation there will be.

It is admitted that the art has been acquainted for some time with the fact that some of the petroleums have better anti-knock values, because of their closed chain molecular structure, such as the naphthenes and aromatics, but it is contended that the art has not heretofore known how the petroleums of low anti-knock value, such as paraffins, may be converted into motor fuel of high anti-knock value, by the methods disclosed by the appellants.

A view of the prior art, as cited by the tribunals below, discloses that this art is in its infancy. In fact, the disclosure of these appellants leaves much to be conjectured, although it is evident the composition and qualities of hydrocarbon molecules has had much useful study.

Some things, however, which are here claimed to be inventive, are clearly shown by the prior art. An article by Graham Edgar, in the cited number of "Industrial and Engineering Chemistry", discusses a blending process very like that in issue here. We quote, in part:

> In an investigation in this laboratory of certain pure hydrocarbons, it was discovered that chemically pure normal heptane (C_7H_{16}) has a pronounced tendency to knock greater than that of any commercial gasoline examined by this laboratory. It was also discovered that a certain octane (C_8H_{18}), first prepared in this laboratory, is a relatively non-knocking fuel. By mixing these two substances in varying proportions it is possible to duplicate the knock characteristics of any commercial gasoline.

If that fact were not theretofore known to the art, it seems quite obvious that after the Edgar publication those working in the art would know that at least one of the isomers of paraffins, isooctane, might be added to pure normal heptane with helpful effects as to its anti-knock value.

It seems that it would not be inventive to take similar isomers and find that similar results were obtained, especially when this was ascertained as

the result of a series of blends and observation of the results. *In re Rudolph Wietzel et al.* 17 C. C. P. A. (Patents) 1079, 39 F.(2d) 669, 400 O. G. 463.

In the patent to Henderson et al., in discussing Pennsylvania gasoline, it is said:

> It is the object of our invention to separate these fractions of low paraffine hydrocarbon content by subjecting gasoline or petroleum or petroleum fractions containing gasoline-like constituents to highly efficient fractional distillation and to blend the low paraffine content fractions thus obtained to produce a motor fuel of high antidetonating properties. * * *

Again, it cannot be said to be inventive to disclose that isomeric forms are found in paraffin gasoline. Snelling disclosed that many of the isomeric forms of pentane are present in gasoline, and we do not understand the applicants to contend that they were the first to discover that such isomers of branched chain formation existed in paraffins.

As the court views the matter, nothing inventive over the prior art is disclosed in this application. As a result of the researches of the applicants, an explanation has been made of certain natural reactions which have been known to the art to occur, but which were imperfectly understood. This does not, however, amount to invention. *In re Langdon*, 22 C. C. P. A. (Patents) 1245, 77 F.(2d) 920, 460 O. G. 733.

We find no error in the decision of the Board of Appeals, and it is affirmed.

Affirmed.

HATFIELD and GARRETT, *J. J.* dissent.

U. S. Court of Customs and Patent Appeals

JENKS *v.* KNIGHT

No. 3,845. Decided June 7, 1937

[F.(2d)]

1. INTERFERENCE—PRIORITY—QUESTION OF ESTOPPEL IS ANCILLARY.

   Question of estoppel due to failure of reissue applicant K. to copy interference claims from patent to J. within two years after issuance *Held* ancillary to question of priority and K's. motion to dismiss appeal denied. *Phelan* v. *Green*, 21 C. C. P. A. 1228, 71 F.(2d) 298, 448 O. G. 511, distinguished.

2. SAME — ESTOPPEL — APPLICANT FAILING TO COPY CLAIMS OF PATENT WITHIN TWO YEARS.

   "* * * Since the decision of *Chapman and Chapman* v. *Wintroath*, 252 U. S. 126, 272 O. G. 913, it has been the well-settled law that in an interference case where a party thereto copies the claims of an issued patent contending that he is the prior inventor who disclosed but failed to claim the invention, he should do so within two years of the issuance of the patent and if he waits longer he will, except under special circumstances, on account of laches, be estopped from claiming the invention."

3. SAME—APPEALS—REISSUE APPLICANT'S RIGHT TO A REISSUE NOT CONSIDERED ON APPEAL FROM AWARD OF PRIORITY.

   Question whether an interfering party who is a reissue applicant should be denied a reissue patent on ground the claims in interference are for the same invention as claims cancelled from his original application or on ground the claims in the interference are for the same invention as claims of his patent, is one for *ex parte* consideration with which the court is not concerned on appeal from an award of priority.

4. SAME—ESTOPPEL—PRIORITY.

   Where senior party K., a reissue applicant, filed his original application before the date of conception alleged by the junior party J. a patentee, but did not file his reissue application until approximately three years after the issuance of J's. patent, *Held* that estoppel against K. does not apply since his patent contains claims to substantially the same invention as that covered by the claims in interference and *Held* that priority was properly awarded to K.

APPEAL from the Patent Office. Affirmed.

Mr. O. H. Eschholz, Mr. W. R. Coley, Mr. G. M. Crawford, and *Mr. Raymond Jones* for Jenks.

Messrs. Saywell and Wesseler, Mr. William J. Wesseler, and *Mr. Albert H. Kirchner* for Knight.

BLAND, *J.*:

The appellant, Jenks, has here appealed from a decision of the Board of Appeals of the United States Patent Office in an interference proceeding which affirmed the decision of the Examiner of Interferences in awarding priority to the appellee, Knight, in five counts defining an invention relating to electrical control systems for rolling mills.

Count 1 is illustrative and reads:

> 1. In a control system for rolling mills provided with a plurality of rolls, in combination, a screw-down motor for adjusting the rolls, a limit switch, means for effecting the operation of said limit switch in accordance with the operation of the screw-down motor, means cooperative with the limit switch to effect the stopping of the screw-down motor in a plurality of predetermined positions, and means for variably controlling the distances between the respective positions.

The nature of the invention will be more fully explained in connection with the decision of one of the issues involved and hereinafter decided.

The counts 1, 2, 3, 4, and 5, were claims 1, 3, 4, 5, and 6 of the Jenks patent, copied by Knight in a reissue application. The earliest date alleged by the junior party Jenks for conception of invention defined by any of the counts is February 15, 1926. Knight's original application was filed February 11, 1925, over a year prior to Jenks' alleged conception date. Jenks was placed under an order to show cause why judgment on the record should not be rendered against him. In response to this order Jenks made a motion to dissolve on the ground that Knight was estopped to make the counts in his reissue application under the doctrine of *Chapman and Chapman* v. *Wintroath*, 252 U. S. 126, 272 O. G. 913, because he failed to copy the claims of the Jenks patent within two years from the issuance of said patent (not upon the ground that Knight could not make the counts).

Jenks' filing date was December 13, 1927. The two applications, although relating to the same subject matter, were copending in different divisions of the Patent Office. Jenks' Patent No. 1,764,312, inadvertently issued on June 17, 1930. Seventeen months thereafter, November 17, 1931, Knight's Patent No. 1,832,400, issued. Within the two year period from the issuance of the Knight patent, Knight filed a reissue application. The filing date of the reissue application, July 25, 1933, was more than two years after the issuance of Jenks' patent (approximately three years).

Appellee had constructive notice of the issuance of Jenks' patent for a period of approximately three years before he filed his application for reissue, and it is conceded in the record that he had actual notice of the issuance of Jenks' patent seventeen months before he made any effort to copy the claims.

Jenks' motion to dissolve was not set for hearing because Knight, being unwilling to stand upon the record, desired to take testimony to show special circumstances excusing the delay in filing his reissue application. Only Knight took testimony.

The main question decided by the Examiner of Interferences and by the Board, and the main question presented here is whether or not Knight, under the circumstances, is estopped from claiming the invention defined by the counts, which were claims in the Jenks patent, on account of Knight's delay in copying the claims for more than two years after the issuance of the Jenks patent.

The Board stated that Jenks, upon his appeal there, did not ask for priority but asked for a dissolution of the interference on account of Knight being estopped by reason of laches. Knight, the Board stated, orally asked that the appeal be dismissed on the ground that the questions raised were not ancillary to priority but were matters for *ex parte* consideration.

In this court, the position of the appellant is somewhat difficult to understand. He seems to press only one question, this being that Knight is estopped from claiming the invention by virtue of the facts aforesaid, that the Board erred in awarding priority to Knight, and that its decision should be reversed. In oral argument it is stated by appellant that he concedes he is not the first inventor and that in any event he could not have a patent, but that he knows of no reason why he should not be awarded priority as against Knight. He freely admits that Knight is the first inventor in fact, and states that his (Jenks') patent is invalid.

Appellee in this court, before the hearing of the case, filed a motion to dismiss appellant's appeal or to affirm the decision of the Board of Appeals on the ground that Jenks does not ask for an award of priority and that a decision of priority in favor of appellant could not properly be made here for the reason that Jenks' alleged earliest date of conception upon the record and according to Jenks' admissions is subsequent to Knight's filing date. This motion we took with the case at the time of oral argument without ruling thereon.

Whether the motion should be sustained or not seems to us to depend upon the answer to the question as to whether or not the estoppel question presented is ancillary to the question of priority. It is the position of Knight that under decisions of this and other courts, and under the circumstances of this case, the estoppel question presented is not ancillary. The Board of Appeals went into this question quite thoroughly and held, in substance, citing and discussing *Phelan* v. *Green*, 21 C. C. P. A. (Patents) 1228, 71 F.(2d) 298, 448 O. G. 511, that the question was not ancillary to priority, but in view of this court's holding in said case it did not dismiss the appeal but awarded priority to Knight.

[1] It is true that this court in *Phelan* v. *Green*, supra, held that since the estoppel there sought to be invoked did not operate in favor of the appellant, Phelan, it was not ancillary to the question of priority. Nevertheless, we there upon that record affirmed the decision of the Board in awarding priority to Green. The subject matter of the *Phelan* v. *Green* case, supra, which is of importance here is the holding that the question of estoppel there raised was not ancillary to the question of priority of invention. In that case there had been a three-party interference. One Mailey had been in the case and he disclosed the invention of the counts in his patent two years before appellee Green copied the claims. Mailey did not appeal from an award of priority against him. Phelan did and here urged that Green was estopped because of Mailey's early patent disclosure. This court held that while an estoppel might have existed against the appellee in favor of Mailey, there was none existing in favor of Phelan, and that for that reason the matter could not be ancillary to priority.

A different situation prevails in the case at bar. If there is any estoppel, it would operate in favor of Jenks and as far as this record shows, notwithstanding the admission of Jenks, if Knight was estopped from claiming the invention, Jenks might well be awarded priority. Under these circumstances, we hold that the question of estoppel presented is one ancillary to the question of priority and that we should review this part of the Board's decision. For the reasons stated, the motion to dismiss is denied.

[2] On the merits of the case, since the decision of *Chapman and Chapman* v. *Wintroath*, supra, it has been the well-settled law that in an interference case where a party thereto copies the claims of an issued patent contending that he is the prior inventor who disclosed but failed to claim the invention, he should do so within two years of the issuance of the patent and if he waits longer he will, except under special circumstances, on account of laches, be estopped from claiming the invention. The reason for the rule grew out of the analogy to a situation in which a two years public use was a bar to the granting of a second patent. Subsequent to the decision of that case, a number of other cases involving substantially the same question have been decided by the courts, most of which have been discussed in *Phelan* v. *Green*, supra, and need no extended discussion here. These cases show that there are exceptions to the rule.

The Board thought the facts in the present case did not warrant the application of the doctrine against Knight, although Knight had delayed nearly three years in copying the claims of the Jenks patent. The Board was persuaded that its decision was controlled for the most part by the rule laid down in *Chapman* v. *Beede*, 54 App. D. C. 209, 296 Fed. 956, 323 O. G. 230, which was decided subsequently to *Chapman and Chapman* v. *Wintroath*,

supra. In that case, Beede was the first inventor. He disclosed and claimed the invention. A patent was inadvertently issued to Chapman (who was the last to file) during the pendency of the Beede application. Beede copied the claims of the Chapman patent into his original application after more than two years had elapsed from the issuance of the Chapman patent. The decision of the Court of Appeals of the District of Columbia of this question is of such importance that we think it proper to quote extensively therefrom. The court said:

> It is contended, however, that the present case differs from other cases heretofore determined, in that the earlier application of Beede not only disclosed, but claimed, the subject-matter of the present interference, at a time anterior to the filing of the Chapman application. In other words, the contention is that, when the Chapman application was filed, there was pending in the Patent Office an application disclosing and claiming the subject-matter of the present claims. Assuming, for the moment, that the earlier application did disclose and claim the same invention covered by the claims of the issue, it is apparent that under the provisions of section 4904 R. S. (Comp. St. § 9449), an interference should have been declared by the Patent Office while the Chapman application was there pending, and that the failure of the Office in this respect prevented an orderly determination of the question of priority of invention between these two parties. The issuance of a patent to Chapman was an inadvertence, in no way chargeable to Beede. If an interference is not now sustainable, Beede's patent later will issue in due course, with claims commensurate with and anticipating the claims in the Chapman patent, and the courts will be deprived of the assistance of the Patent Office in the determination of the question of priority. It follows, therefore, that Beede's failure to copy these claims within two years from the issuance of the Chapman patent could result in no prejudice to the public, because, irrespective of this interference, his earlier application would have matured into a patent carrying the claims of the same scope. An application of the equitable principle or maxim that courts view as done what ought to have been done demonstrates that Beede, in the circumstances of this case, should not be deprived of an opportunity to have the question of priority determined. We therefore will proceed to determine whether his earlier application disclosed and claimed the subject-matter of the Chapman application.

It will be observed that there an exception was made to the two year rule. This was because of the fact that during all the time Chapman's application was pending, Beede was claiming the invention, that the issuance of the patent to Chapman was clearly an inadvertence, and that there was no delay on the part of Beede in claiming the invention since he had been claiming it from the beginning.

The Board in the instant case said:

> We agree with the Examiner. We call special attention to claims 3 and 5 of the Knight Patent No. 1,832,400 in which is set forth as a combination "a material modifying apparatus" and the intermittently operable electric motor with control mechanism for the motor to effect a certain change in the material modifying apparatus. The claims on appeal taken from the Jenks patent are more specific to a certain extent in being limited to a control system for rolling mills provided with a plurality of rolls but we note that Knight disclosed his control device as applied to rolling mills for positioning one of the rolls relative to the other. We have not been shown and do not consider the claims on appeal set forth a different invention from that expressed in the Knight patent claims as above noted. Certainly the Knight claims as to the mechanism in which the electric control is used are broader than the Jenks claims.
>
> The practice in this connection as laid down in *Chapman v. Beede*, 323 O. G. 270; 296 Fed. Rep. 956, is that a delay in copying the claims from a patent is excused where:
>
> "• • • the object of the two parties, as disclosed in their specifications, was the same, where substantially the same mechanism accomplishing substantially the same result was disclosed in their drawings, and where the invention claimed in B.'s application more than two years prior to C.'s filing date was substantially the same as and not patentably different from the invention covered by the counts of the issue."
>
> The Court in considering the situation as there presented, held that an interference should have been declared by the Patent Office while the patent applications were still pending and "that the failure of the Office in this respect prevented an orderly determination of the question of priority of invention between these two parties." That seems to be the situation here. The issue of the patent to Jenks was evidently an inadvertence and probably due to the fact that the Jenks application was handled by a different division of this Office than the Knight application. We are satisfied that Knight, under the *Chapman* v. *Beede* doctrine, is within his rights in copying the claims of the Jenks patent for the reasons stated.

The main difference between the two cases is that Beede at the time of copying the claims was not a patentee while Knight was. Assuming, for the purpose of the present discussion (the matter will be adverted to later), that Knight did claim broadly the invention of the counts during the prosecution of his application, which claims were presented and cancelled, and assuming further that such cancellation was prompted by the presentation by the Examiner of some of the claims which broadly cover the invention here involved and are now in the Knight patent, do such facts constitute a basis for the avoidance of the rule announced in *Chapman and Chapman* v. *Wintroath*.

The facts present a situation which differs in some respects from that of any case which we have examined. Appellee claims, and the Board held, that during the pendency of his application he, Knight, was at all times claiming the invention here in issue and that the claims of the Knight patent, especially claims 3 and 5, are for the same invention as that here involved. So, the distinction between the Beede case and this case is that in that case the estoppel was sought against an applicant who copied the claims in his original application without the necessity of the reissne of a patent, while in the instant case Knight claims the right to a reissue for the purpose of copying claims for an invention which he insists and the Board held is already covered by claims in his patent.

In addition to the contention that appellee was all the time claiming the invention here involved from long before the filing of appellant's application to the time of the issuance of the patent, the further contention is made that the record here shows satisfactory excuses why appellee should not be charged with laches in copying the claims. There is much testimony given concerning the appellee's alleged poverty. No such poverty is shown as would ordinarily excuse one where diligence or reasonably prompt action is required and we need not state or discuss all the facts here. The record, we think, shows that appellee was not in such poor financial condition as to warrant the conclusion that he could not have copied the claims within the two year period.

These facts, which appellee has proved with a view of offering an excuse for not sooner copying the claims, were evidently not regarded by the tribunals of the Patent Office as being of importance in the premises since they were not discussed by either. It was not necessary for Knight to present a state of facts for the purpose of showing that he did not purposely delay in order that he might extend his monopoly, since he already had a patent and the reissued one would bear the same date. Under these circumstances and in view of our conclusion we do not regard it as of importance here to further consider such facts as relate to his poverty, etc.

From the foregoing it would seem obvious that the question is a novel one. In applying the doctrine akin to equitable estoppel announced in *Mason* v. *Hepburn*, 13 App. D. C. 86, attention has frequently been called to the fact that the doctrine was one not favored by the courts inasmuch as it prevents one from being permitted to assert the truth. *Miller* v. *Hayman*, 18 C. C. P. A. (Patents) 848, 46 F.(2d) 188, 405 O. G. 549; *Severson* v. *Olson*, 20 C. C. P. A. (Patents) 946, 64 F.(2d) 694, 434 O. G. 253. This court has steadfastly refused to extend the doctrine. The estoppel sought to be invoked in the case at bar is claimed to be a true equitable estoppel based upon laches. Nevertheless, its application has the same objectionable result as does the application of the said doctrine akin to equitable estoppel. But, notwithstanding this fact, in cases like *Chapman and Chapman* v. *Wintroath*, supra, its application has met with the approval of the courts.

Now, in the case at bar we have assumed so far, for the purpose of discussing the application of the rule, that the record shows the facts as stated by the Board and the appellee. As hereinbefore pointed out, the facts of this case as stated by the Board are distinguishable from the facts in the Beede case, supra, in some particulars. We are, however, of the opinion that the principles involved here and there are substantially the same. We think the decision in the Beede case was sound. Under the circumstances shown there, it would have been a miscarriage of justice to have applied the doctrine of estoppel to Beede. For substantially the same reasons, assuming the holdings of the tribunals as to the facts in the case are correct, we are of the opinion that it would not be proper to hold that Knight is estopped from claiming the invention defined by the involved counts. The main consideration is that he did not delay in claiming the invention and therefore cannot be charged with laches. According to the findings of the tribunals, he not only had been claiming substantially the same invention during the time the Patent Office was considering the Jenks application, but broad claims for the same invention had already been awarded to him by the Patent Office in his issued patent.

It remains for us to determine whether or not the Patent Office tribunals are right in their conclusion that the record shows that during the period stated the appellee was claiming substantially the invention here involved and whether the Knight patent claims are for substantially the same invention.

Appellant frankly admits that he is not the first inventor, and concedes that appellee is such first inventor, and while he argues at considerable length that the Knight device and the Jenks device are wholly different and that the particular invention here involved is not the same invention defined by the claims of the Knight patent, he has not made it clear to us that the Examiner of Interferences and the Board were in error in their findings in this regard. Appellant points out that

> "at no time prior to the issuance of the Jenks patent on June 17, 1930, did the Knight application contain an allowed or an allowable claim,"

and that

> "All of these claims were rejected by the Examiner on various grounds, as on the art of record, as being unwarranted by the disclosure and as being inaccurate, obscure and indefinite."

It is also shown in the record that the rejection at times was based on the multiplicity of claims.

The subject matter of the claims involves a highly technical matter. Appellant argues that the invention involved here and the invention defined by the claims of the Knight patent differ in a number of particulars, one of the chief differences being that the Knight system is so arranged that it will function:

> • • • Only to effect successive progressive movements of the mill roll O in one direction in response to successive operations of the push button 42 and that both progressive and retrogressive movements of the mill roll cannot be effected in the same cycle of movements. Such results from the fact that the "dead" or stop points are all established and that it is necessary to operate the knife switch K to reverse the direction of operation of the screw-down motor.

Other contentions are made which need not be stated here.

The rule relating to concurring decisions of the Patent Office tribunals which involve highly technical matters is too familiar to require discussion here. See *Daley* v. *Trube*, *Daley* v. *Loftin*, 24 C. C. P. A. (Patents) —, 88 F.(2d) 308.

On the phase of the case last above described the Examiner said:

> A comparison of claims 1–5 of the Knight patent with the counts in issue shows very clearly that the two sets of claims are drawn to the same subject matter and invention. While the counts in issue are worded in somewhat broader terms than the claims of Knight it is evident that both the Jenks and Knight patents claim substantially the same invention. It is also evident from the file wrapper history of the original Knight application that Knight was claiming this invention prior to and throughout the period between the issuance of the Jenks patent on June 17, 1930 and the issuance of the Knight patent on November 17, 1931.

The Board said:

> • • • The claims on appeal taken from the Jenks patent are more specific to a certain extent in being limited to a control system for rolling mills provided with a plurality of rolls but we note that Knight disclosed his control device as applied to rolling mills for positioning one of the rolls relative to the other. We have not been shown and do not consider the claims on appeal set forth a different invention from that expressed in the Knight patent claims as above noted. Certainly the Knight claims as to the mechanism in which the electric control is used are broader than the Jenks claims.

We are not convinced that the tribunals were in error in holding that during the pendency of the Jenks application and afterwards appellee was claiming substantially the invention here involved and that some of the claims in Knight's patent are for substantially the same invention as is here involved.

Claim 3 of the Knight patent reads as follows:

> 3. A device of the character described having in combination, a material modifying apparatus, a reversible intermittently operable electric motor, a source of power therefor and means for closing the motor circuit to inaugurate operation, of means for determining the direction and extent of such operation as inaugurated by successive operations of said first-mentioned means, comprising a controller positively driven by said motor and provided with adjustable devices for temporarily maintaining the motor circuit closed and opening it at selected points of controller travel, and adjustable means for selecting forward or reverse motor connections for subse-

quent closure by said first-mentioned means and alternative means for manually controlling the starting, stopping or reversing of said motor.

We have examined the claims which were presented by Knight but which were rejected upon the grounds above stated, and other claims such as claim 3, supra, which were suggested by the Examiner and were accepted in lieu of the rejected claims. While the language of the involved counts and that of the cancelled and allowed claims differs somewhat, we are not convinced that the tribunals of the Patent Office were in error in holding that all of said claims were substantially for the same invention. It seems to us that the difference between them is more in the form of expression than in the inventive subject matter covered.

[3] It may be pointed out that although Knight has filed his reissue application within two years of his own issued patent, he would not be entitled to a reissue, the basis of which is inadvertence, if in fact he did claim the invention and cancelled the claims therefor, or if in fact his invention is already in the claims of his issued patent. The subject of the right of appellee to a reissue patent was referred to by the Board and it was its view, as it is ours, that that is a matter for *ex parte* consideration with which we are not now concerned.

[4] For the reasons stated by the Board, we are of the opinion that it should not be held that Knight is estopped by reason of alleged laches to claim the invention at bar and that under the circumstances the Board properly affirmed the decision of the Examiner of Interferences awarding priority of invention expressed in the counts to the party Knight, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MCCABE

No. 3,809. Decided June 7, 1937

[90 F.(2d) 111]

PATENTABILITY—REPULSION TYPE RELAY.

Claims for repulsion type relay *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. Langdon Moore and *Mr. James Atkins* for McCabe.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner of the United States Patent Office rejected all of appellant's claims for a patent relating to a repulsion type relay. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed and appellant has here appealed for a review of the Board's decision.

The Examiner in great detail describes the invention but sufficient description of it, we think, is found in the claims and in the decision of the Board. Concerning the nature of the invention the Board said:

> The invention relates to a repulsion type relay which utilizes the movement of a moving or floating coil of a movable transformer, such as is found in a constant current transformer to actuate the switch mechanism. The switch mechanism may be the ordinary open contact switch or the tilting mercury tube type of switch. The Examiner has fully described the invention in his statement.

The references relied upon are: Johnston, 713,887, November 18, 1902; Hewlett, 745,347, December 1, 1903; Coleman, 1,066,081, July 1, 1913; Bogle, 1,908,009, May 9, 1933; Ulrich, 1,940,032, December 19, 1933.

Claim 16 is regarded as illustrative and reads:

> 16. A repulsion relay including a transformer for alternating current having one coil stationary and one movable coil normally resting against the stationary coil when either or both coils are deenergized and when both coils are energized the movable coil is repelled from the stationary coil, and a tilting mercury switch actuated by the movement of the movable coil to make or break an electric circuit including a swinging arm and means to transmit movement of said coil to said arm.

The Examiner gave three grounds of rejection: First, that there would be no invention in using a mercury tube switch such as Ulrich or Bogle shows in a device like that of Coleman, Johnston, or Hewlett, the latter three patents showing as they do a movable coil similar to that of the applicant; second, upon Coleman, Johnston, or Hewlett alone; third, that there was no patentable distinction over the subject matter claimed in claims 1 and 2 of McCabe's Patent 1,973,925, of September 18, 1934.

The Board disapproved of the third ground of rejection and it will not be considered here.

We find it necessary to consider only the first ground of rejection above stated. On this ground of rejection the Board said:

> The claims have been rejected on either Coleman, Johnston or Hewlett in view of Ulrich or Bogle. In each one of the first three patents, there is shown a circuit breaker which includes a fixed coil and a movable coil for breaking the circuit. In Hewlett, the primary coil moves and in Johnston and Coleman, the secondary coil moves to operate the switch. In Hewlett, an arm 25 on which the primary coil is supported, actuates a lever 14 which releases a switch. In Johnston, a lever G is actuated by the secondary coil K to release the switch. It is evident that these arms could readily be employed to oscillate a tilting mercury switch. Evidently, any one skilled in the art could readily substitute such a switch in these patents if he so desired and have the arms actuate the mercury switch. It is our view that no invention is involved in such substitution. The Ulrich and Bogle patents show the use of tilting mercury switches. This combination of references meets claims 16 and 17.

Some of the claims are worded somewhat differently from claim 16, but as is pointed out by the Board each of these separately expressed limitations is shown in one or more of the references.

Concerning the issue presented in this court, the appellant in his brief states:

> *The question before the court*, therefore, resolves itself into *whether or not the Patent Office is justified in combining the five patents cited* to reject the appealed claims.

No contention is made that appellant's device does not work as the tribunals have stated or that the references do not show what the tribunals have pointed out. Appellant argues that it required invention to produce the combined structure which the claims call for and urges that in view of his showing of commercial success, the Patent Office had no right to "combine five references" for the purposes of rejecting the claims. Commercial success is shown, and admitted by the tribunals. That appellant has constructed a useful and novel device is unquestioned.

The five references were not combined in the sense that it required all of them to show the features called for by the claims. Each of the first three references shows one of the features and either of the last two references shows the other feature.

Appellant assigns as reason of appeal No. 6:

> 6. The Board of Appeals erred in considering claim 32 in connection with the patents cited as it was finally rejected only upon the patent to McCabe and the Board of Appeals did not affirm the rejection on this ground.

Concerning claim 32, the Board had this to say:

> Claims 32 and 33 are clearly unpatentable over the above patents particularly Hewlett considered with Ulrich or Bogle.

Appellant has not discussed this reason of appeal in his brief. The Solicitor for the Patent Office has mentioned this circumstance and has pointed out that under rule 139 of the Rules of Practice in the United States Patent Office, it is permissible for the Board of Appeals to apply a new ground of rejection, citing *In re Mulligan*, 23 C. C. P. A. (Patents) 1220, 83 F.(2d) 917, 473 O. G. 233. Rule 139 provides that under such circumstances the case is reopened and that the applicant might further prosecute his application before the Primary Examiner. The record does not show that such action was taken on the part of the applicant, and we assume that the above reason of appeal has been abandoned in this court.

All of appellant's arguments and contentions made in a very elaborate brief, which is replete with citation of authorities, have been carefully considered, but it has not been made clear to us that the Board's finding of want of invention was erroneous. We are of the opinion that the Board correctly held that appellant has done nothing more in producing the structure called for by the claims than a skilled electrical mechanic could do without the exercise of inventive genius. The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE PFLEGER AND MYERS

No. 3,828. Decided June 7, 1937

[90 F.(2d) 127]

1. PATENTABILITY—BEARING STRUCTURE.

Claims for a bearing structure *Held* unpatentable over the prior art.

2. SAME—AGGREGATION.

Claims including a bearing structure and a specific seating mechanism *Held* unpatentable as covering an aggregation of unrelated elements.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene C. Taylor and *Mr. John Flam* for Pfleger et al.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

The application for patent here involved relates to a bearing structure. All the claims, six in number, were rejected by the Examiner whose decision was affirmed by the Board of Appeals of the United States Patent Office. Appellants thereupon brought the decision of the latter to this court for review.

The claims are numbered 6, 8, 16, 28, 29, and 30. There is disclosed a structure containing a shaft, enclosed in a housing, the shaft being surrounded with a series of rolling elements or balls which constitute the bearing. The housing is provided on one side with an inlet passageway for the injection of the lubricant and an outlet passageway on the other side for its ejection. The inlet and outlet openings are closed by plugs. When it is desired to inject fresh lubricant, the plugs are removed and the grease forced into the inlet passageway by air pressure, or the like. This pressure forces the grease around the bearing "axially" and also forces the worn grease out through the outlet passageway. We quote claim 28 as illustrative of claims 6, 8, 28, and 30:

> 28. In a bearing structure for an electric motor shaft, a bearing, said bearing including a series of rolling elements, a housing surrounding said bearing, a body of plastic lubricant retained therein, said housing having an inlet and an outlet for passing lubricant into and out of said housing and around the bearings, means for normally retaining said lubricant around the bearings and in the housing, said inlet and outlet being accessible from outside the housing and so arranged with respect to the bearing that said inlet and outlet together with said bearing and said bearing housing form a continuous path whereby substantially all the lubricant initially retained in said housing may be expelled from said housing in response to a pressure exerted through said inlet.

In addition to the structure already described, there is disclosed a seal means structure which is embraced in claim 29 in combination with the bearing structure. This claim reads:

> 29. The structure as set forth in claim 28, in which said means for normally retaining said lubricant within said housing includes means surrounding the shaft for forming a multiple seal, and in which additional means are provided for the discharge of lubricant escaping past said multiple seal, said means including a receptive chamber for collecting said escaped lubricant and a passageway terminating exterior of said bearing housing for the discharge of said escaped lubricant.

The references cited are: Wallgren, 1,607,222, November 16, 1926; Brunner, 1,638,521, August 9, 1927; Buckwalter 1,748,972, March 4, 1930; Bock, 1,823,422, September 15, 1931.

It may be said that claim 30 is drawn to substantially the same structure as claims 6, 8, and 28, but defines the bearing housing as being provided with a pair of lubricant retaining chambers positioned at opposite sides of the bearing.

Claims 6, 8, 28, and 30 stand rejected on the patent to Bock in view of Brunner, or, alternatively, on Brunner in view of Bock.

The Bock patent is entitled "Rear Axle Wheel Bearing Lubrication.". It is designed for the use of a semi-solid lubricant or grease, and shows a housing with roller bearings journaled between races carried by the axle and the housing. It is provided with inlet and outlet passageways arranged at opposite sides of the shaft.

The patent to Brunner is entitled "Antifriction-Bearing Lubrication" and is one in which oil is used as the lubricant. It shows a rotatable shaft in a housing, the shaft and housing arranged to support bearing rings, or races, with balls between the rings. Above the shaft is a chamber for holding oil. From the bottom of the chamber a tube extends downwardly into the housing. The tube is

equipped with a filtering device shown in the form of a wick by means of which the lubricant is fed to a rotary part located between the inner rings of the bearing. In the lower portion of the housing there are outlet means.

It was the view of the tribunals of the Patent Office that there would be no invention in modifying the structure shown by Brunner so that there might be used therein the semi-solid lubricant, or grease, whose use is taught by Bock, or, conversely, that it would not require other than mechanical skill to modify the structure of Bock by arranging the inlet and outlet passageways in such manner that the grease would be forced axially around or through the bearing members.

On behalf of appellants it is argued as to the Brunner patent that it was designed for the use of oil and that patentee had no thought of filling a lubricant chamber with grease and confining the same in the chamber until it was worn out and then forcing it out by pressure used in connection with replenishing with fresh grease. It is conceded that the oil in Brunner's device moves axially of the shaft, but urged that he had no intention to take advantage of such movement for cleansing the bearing of the used lubricant, or for forcing anything else out of the bearing, "as dust or metal particles worn off from the bearing elements." We may here say, although the matter is not regarded by us as being important, that we do not find any teaching in appellants' application relating to the forcing of dust or metal particles from the housing. Like the claims, the specification is limited to cleaning the used lubricant from the bearings.

The argument respecting the Bock patent relates principally to the arrangement of the inlet and outlet passageways. It is said that in Bock's device these members are not arranged with reference to the shaft so that the lubricant is forced axially the shaft when fresh grease is introduced into the housing. The specification of appellant teaches that his inlet passageway is located in the top of his housing and his outlet passageway in the bottom thereof, but no one of the claims is so limited. So far as the claims are concerned, they are met by passageways on opposite sides the shaft, if those passageways, together with the bearing, form a continuous path whereby the used lubricant is expelled, and even this latter limitation, found in claim 28, supra, is not specific in all the claims.

[1] As we view the case, the issue as to claims 6, 8, 28, and 30 is reduced to the question of whether it involved invention to place the inlet and outlet passageways in such relationship that the result of ejecting the used grease in the manner described was obtained, and careful consideration of the structure of appellants in the light of the prior art cited, taken together with common knowledge of the nature of bearing lubricants, leads us to the same conclusion reached by the tribunals of the Patent Office.

[2] As to claim 29, the Examiner said:

> Claim 29 sets forth the structure of claim 28 and in addition includes a specific sealing means. The Examiner holds that this claim is unpatentable for the reason that it is drawn to an aggregation of unrelated elements. There is no necessary or special cooperation between the specific bearing assembly with its lubricating means and the specific sealing means set forth in this claim. They do not cooperate to produce a unitary result. No reason is seen why the specific seal set forth by this claim could not be used equally as well with entirely different forms of bearing assemblies, if desired. In fact, it is thought that applicant's own disclosure supports the Examiner's position in that Figs. 1 and 2 show that the same bearing assembly may be used with entirely different and distinct forms of seals. Seals have long since reached a separate and distinct status in the arts and are separately classified and searched. It is accordingly thought that applicant's seal is a separate and distinct invention.

In affirming the decision as to this claim, the Board said:

> • • • we agree with the Examiner that there is no patentable combination between a specific seal and a specific bearing lubricating means, where each performs its own function only.

The contentions on behalf of appellants with respect to this claim have been quite carefully studied in the light of the authorities cited, but the position taken by the tribunals of the Patent Office seems to us to be sound as a matter of law. No interrelationship of elements of the bearing structure with elements of the specific sealing structure described, which brings the joining of the two entities within the meaning of a true combination in the sense of the patent laws, is shown. Appellants have simply brought together two distinct and complete devices, each of which may function for its purpose independent of the other, and each of which, even when they are joined, performs only its particular independent function.

A somewhat unusual situation exists with reference to claim 16 which defines a seal for a shaft. The Examiner required division between it and the group consisting of claims 6, 8, 28, and 30. This requirement was submitted to the Examiner of Classification who approved it "provided claim 29 is not allowed." There was no appeal to the Board as to this requirement, but in the Examiner's statement following the appeal the claim was considered and held rejectable upon the patent to Wallgren in view of Buckwalter. The Examiner stated that this action was taken

> "In order that the answer may be complete in the event that claim 29 is subsequently held to be allowable."

The Board made no reference to claim 16 in its decision, and it seems to be conceded that a necessity for our considering it could arise only from an allowance by us of claim 29. Since, therefore, we do not regard claim 29 allowable, we need give no further attention to claim 16.

The decision of the Board of Appeals is affirmed. Affirmed.

U. S. Court of Customs and Patent Appeals

ELY & WALKER DRY GOODS COMPANY

v.

SEARS, ROEBUCK & COMPANY

No. 3,813. Decided June 7, 1937

[90 F.(2d) 257]

1. TRADE-MARKS—OPPOSITION—VALIDITY OF REGISTRATION BY OPPOSERS NOT IN ISSUE.

A registration of a mark is prima facie evidence of ownership and the validity of such a registration which is relied upon by the opposer may not be attacked in an opposition proceeding.

2. SAME—SAME—SIMILARITY OF MARKS "NEEDLE-THRIFT" AND "NEEDLEIZED".

The term "Needleized" as applied to cotton piece goods *Held* confusingly similar to the term "Needle-Thrift" as applied to the same goods and appellant *Held* not entitled to register the former mark in view of the prior registration by appellee of the latter.

APPEAL from the Patent Office. Affirmed.

Mr. William Keene Small for Ely & Walker Dry Goods Co.

Mr. Edward D. Jones for Sears, Roebuck & Co.

GARRETT, *J.*:

This is a trade-mark opposition proceeding in which appellee (hereinafter referred to as opposer) opposes the application of appellant for registration of the word "Needleized" as a trade-mark for cotton piece goods. It comes to us by appeal from the decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences sustaining the opposition and denying the registration.

In its notice of opposition opposer plead its ownership, registration, and use of the word "Needle-Thrift" for "cotton piece goods—namely, muslin, cambric, long-cloth, and nainsook." This registration No. 149,234 bears date of December 6, 1921, with use alleged "since July 16, 1920." Appellant's application was filed April 23, 1934, with use alleged "since about April 1, 1933."

The goods of the respective parties are obviously identical. So, the ultimate question to be determined is whether the application of the marks "Needleized" and "Needle-Thrift" to identical merchandise would be likely to cause confusion or mistake in the mind of the public or to deceive purchasers. However, certain collateral or subsidiary issues are raised and argued by appellant to which we give attention.

The notice of opposition, which was sworn to, alleged ownership and continuous use by opposer of its mark "Needle-Thrift" to identify its cotton piece goods; also, it alleged the spending of "substantial sums to advertise its said trade-mark for said goods." In connection with its certificate of registration, the notice averred: "Said registration is still in full force and effect." It contained the usual allegation of belief that it would be damaged by the grant of appellant's application.

In its answer (not sworn to) appellant, among other things, stated:

> • • • Applicant admits that opposer obtained from the United States Patent Office on December 6, 1921, a certificate of registration No. 149,234 covering the term "Needle-Thrift" with respect to muslin, cambric, long cloth and nainsook cotton piece goods and that said registration is subsisting, but denies that opposer was entitled to obtain said registration and that the application therefor met the requirements of the Trade-Mark Act of February 20, 1905.

The answer alleged that opposer's use of its mark, "if used in any manner," was not as a trade-mark "but merely as an indication of grade or quality." Also, appellant cited numerous registrations to other parties which included the word "Needle" in combination with different prefixes and suffixes and, in some instances, with other words, such registrations apparently being for goods similar to the goods of the respective parties here involved. It was alleged that all the registrations so cited were obtained subsequent to the date of opposer's registration. Further, appellant cited a registration to it of a composite mark, which included as one element the word "Needleized", granted September 26, 1933. By way of "affirmative defense" appellant recited the difference in the marks, denied that "Needleized" and "Needle-Thrift" are confusingly similar "within the meaning of any clause or section of the Trade-Mark Act" and also denied that its proposed mark

> "is by it applied to merchandise of the same descriptive properties as such merchandise, if there be any, as may be sold by opposer under the notation 'Needle-Thrift'."

As has been already indicated, this latter denial is obviously futile, since the goods of the parties are virtually identical, and this particular issue requires no further attention. The answer does not contain any denial of, or reference to, opposer's allegation as to damage.

Neither party took testimony in the case, but prior to the expiration of the time set for completing opposer's testimony-in-chief (such time having been extended by stipulation of counsel), counsel for opposer gave notice to counsel for appellant (such notice purporting to be under Patent Office Rule 154 (*e*)) that opposer proposed to use "as evidence" certain described documents. One of those consisted of a copy of opposer's registration of "Needle-Thrift", No. 149,234. The other items consisted of advertising matter, many of them alleged to have appeared in different of opposer's copyrighted catalogues.

Following receipt of the notice appellant filed motion that opposer be required to show cause why the opposition should not be dismissed. In this motion, which is of record, we do not find any objection made to the introduction by opposer of the documents described in the notice, nor do we find where objection was elsewhere made. The objection in the motion goes not to their introduction, but to their sufficiency to support the allegations of opposer as to use of the trade-mark, "probable injury * * * confusion in trade or other allegations in the notice of opposition contained." The gravamen of appellant's motion was that opposer should be required to substantiate its allegations by "testimony," and that it had failed so to do.

The motion to show cause was granted, and opposer filed reply thereto.

Upon the record so presented, the Examiner of Interferences rendered the decision which the Commissioner of Patents affirmed. It is not discernable from the decisions that the "Notice under rule 154 (E)," to which appellant's counsel has devoted extensive attention before us, entered into the consideration of the case by either the Examiner of Interferences or the Commissioner. Neither decision makes any reference to it. Therefore, we are unable to see wherein any matter concerning it requires discussion or determination by us.

[1] Already it has been recited that, in its

answer, appellant, while denying that opposer owns the mark, admitted that opposer obtained the registration and that such registration is "subsisting." It is noted that appellant in the same paragraph of the answer also

"denies that opposer was entitled to obtain said registration and that the application therefor met the requirements of the Trade-Mark Act of February 20, 1905."

Upon what state of facts or theory of law this latter averment rests we are not informed. The denial of ownership is inconsistent with the admission of the obtaining and subsistence of the registration. Registration of a mark is prima facie evidence of its ownership. Sec. 16, Trade-Mark Act of 1905. The denial of the right of opposer to obtain the registration and the claim that opposer's application did not meet the requirements of the trade-mark registration act go to the question of the validity of opposer's mark. The validity of a registered mark may not be attacked in an opposition proceeding. In the case of *American Fruit Growers, Inc.*, v. *Michigan Fruit Growers, Inc.*, 17 C. C. P. A. (Patents) 906, 910, 38 F.(2d) 696, 393 O. G. 789, we said:

So far as we are aware, appellant was entitled to the registration of its mark for use on its products, * * * if it was inadvertently registered, those injured by such registration have a statutory remedy—application for cancellation.

Upon the question of use by opposer of its mark as a trade-mark, which counsel for appellant insists is placed in issue by denial of such use in the answer, it need only be said, first, that ownership implies use and, second, that under the rule announced by this court in *John Wood Manufacturing Co.* v. *Servel, Inc.*, 22 C. C. P. A. (Patents) 1370, 77 F.(2d) 946, 461 O. G. 948, one may oppose a registration upon showing merely a "grade-mark" or "trade-name" use when such use is analogous to a trade-mark use, and the answer of appellant in this case virtually admits a use of "Needle-Thrift" by opposer to indicate "grade or quality."

Counsel for appellant seems aggrieved because counsel for opposer failed, or was not required by the Examiner of Interferences, to call officials of appellee company, or other witnesses, to the end that he might cross-examine them, and argues that there was not a compliance with the statement issued to the respective parties by the Examiner of Interferences, saying that "the practice of United States equity courts will be followed in pleading and procedure."

The brief on behalf of appellant, after pointing out the matters denied in the answer, says:

Why has the opposer, the validity of its registration being thus challenged, taken no testimony and adduced no proof on that or any other issue raised by the denials and averments of applicant's answer? The explanation seems obvious. No such proof was available. Had witnesses been called in the attempt to make such proof, they would have been subjected to the test of cross-examination, but the opportunity to thus ascertain the truth of the matter has been denied applicant's counsel. Certainly it is not to be expected, under Federal equity practice, that applicant should go to the trouble of taking testimony when there has been an entire default in that respect by the complaining party, who carries the burden of proof, and we indulge the presumption that citations on this point are unnecessary to supplement the legal knowledge of the court.

The foregoing indicates that counsel for appellant overlooked the effect of the statutory provision making a registration prima facie evidence of ownership, and overlooked also the universally applied maxim, "Equity follows the law."

Upon the record and in view of the admission in appellant's answer, we do not think that the validity or the use of opposer's mark was so challenged as to require the taking of testimony by opposer upon those questions, and we know of no authority lodged in the Examiner of Interferences to require opposer to call witnesses for the purpose of giving counsel for an applicant the opportunity to cross-examine them.

As for the registration to other parties of marks containing the word "Needle" and that to appellant containing as a part thereof the word "Needleized", the brief on behalf of appellant makes the concession that

"under decisions of this court, the several registrations referred to are not conclusive upon the question of applicant's right to registration,"

but it is claimed that they

"should be viewed as establishing the fact that the opposer is not entitled to monopolize the prefix 'Needle' which is the only point of resemblance between its notation 'Needle-Thrift' and the notation 'Needleized' sought to be registered."

Also "laches and acquiescence" on the part of opposer is alleged, which it is claimed should estop opposer from opposing appellant's application.

Under numerous decisions of this court in which we followed the rule established by other courts these contentions must be overruled. *American Fruit Growers, Inc.*, v. *Michigan Fruit Growers, Inc.*, supra. *Skookum Packers Association* v. *Pacific Northwest Canning Co.*, 18 C. C. P. A. (Patents) 792, 45 F.(2d) 912, 403 O. G. 515.

From the record here presented, we think the case must be determined solely upon the question of the similarity of the marks. If they are so similar that confusion would likely result from their use, nothing which either party might do, or fail to do, by pleadings or by testimony, can alter that fundamental fact, and this constitutes a bar by the terms of the statute itself.

[2] Just what the words mean in the relation in which they are used as trade-marks is not clear to us. So far as the record is concerned, we do not find any suggestion that they are merely descriptive of the character or quality of the goods. Were such the case, both marks should be barred from registration. So far as we can discern, the words have no particular meaning, as used, and, for the purposes of this case, we accept them as constituting arbitrary marks. So viewing them, we concur with the tribunals of the Patent Office in the holding that there is such a similarity between them that confusion would be likely from their use upon goods of the same descriptive properties.

Accordingly, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

LASKER AND RUSSELL *v.* KUROWSKI AND SMITH

No. 3,856. Decided June 7, 1937

[90 F.(2d) 132]

1. INTERFERENCE—PRIORITY—CONCURRING DECISIONS.
"There was agreement by the tribunals of the Patent Office upon every material issue of fact presented. Under such circumstances, the controversy being only as to facts, it is well understood that a heavy burden rests upon the appealing parties."

2. SAME—SAME—TESTIMONY OF JOINT APPLICANT.
"It is recognized that, being joint inventors, the oral testimony of one may not, under the rule, be accepted as sufficient, standing alone, to corroborate the oral testimony of the other and thereby establish conception, but that there must be other corroborative evidence."

3. SAME—SAME.
Evidence reviewed and *Held* insufficient to establish a conception by appellants of the invention in issue prior to the filing date of appellees.

APPEAL from the Patent Office. Affirmed.

Mr. Samuel E. Darby, Jr., and *Mr. Floyd H. Crews* for Lasker et al.

Mr. Burnham C. Stickney for Kurowski et al.

GARRETT, *J.:*

There is here brought to us for review the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences, in a patent interference proceeding, awarding priority to appellees. The only question involved is priority to be determined from the evidence. Ten counts, numbered 1 to 10, inclusive, appear in the interference, but since the matter turns upon a single element, as combined with others, there is no occasion for analyzing the counts separately. Count 2 seems fairly illustrative of the subject matter. It reads:

2. The combination with a recording machine comprising a carriage and a key board; of punches, an electromagnet for each punch for controlling it for operation, a circuit closer for each key to energize a magnet when its corresponding key is depressed, a common circuit closer for all of said magnets, and a bar movable with said carriage for opening and closing said common circuit closer for predetermined positions of the carriage.

The interference was declared between a patent, No. 1,790,479, issued to appellants January 27, 1931, on an application filed September 17, 1926, and an application of appellees, Serial No. 645,896, filed December 6, 1932, for the reissue of Patent No. 1,745,172, issued to them January 28, 1930, on an application filed January 2, 1926. The counts correspond to claims in the patent of appellants, copied by appellees into their reissue application.

As will be observed from count 2, supra, the invention is a combination of a typewriting machine and a card punching device, the two being connected by means whereby the punching operation is automatically controlled as the typewriter keys are operated and the typewriter carriage moves. This means consists, as expressed in the quoted count, of

"a bar movable with said [typewriter] carriage for opening and closing said common circuit closer for predetermined positions of the carriage."

The complete device is designed for producing perforated record cards (used for making groupings, analyses, tabulations, etc.) simultaneously with the typing of the record upon a work sheet in the typewriter. To this end the typewriter keys are electrically connected with the proper parts of the punching device. Frequently, it is not desired to transfer to the record card some portions of the matter being typed upon the work sheet; consequently, it is desired to break the electrical connection at the point where the typewriter reaches such portions, and restore the connection when matter is reached which it is desired to record upon the cards. It appears that in the prior art the breaking of the electrical connection was accomplished by the operator manually through either a button switch or a foot switch. The present invention is designed to provide for breaking the connection automatically. This, it is said, is accomplished by cutting away portions of the surfaces of the bar, and providing a series of cams on the typewriter carriage to control the electric switch. As the bar travels with the typewriter carriage, when the cam encounters the portion of the surface not cut away, the circuit is closed and punching of the card ceases. When it reaches a cut away portion the connection is automatically restored and the punching operation begins.

It is not questioned that appellees disclosed the invention in the application for the original patent filed January 2, 1926. The Examiner of Interferences awarded them conception "prior to the end of October, 1925," and held that they showed due diligence between that time and the filing date of their application. This, the Board affirmed.

As to the date or dates awarded appellants, counsel appearing before us on behalf of the respective parties are in sharp disagreement. Counsel for appellants seem to have the theory that they received an affirmative award of October 31, 1925, for both conception and reduction to practice. Counsel for appellees maintains that there was no affirmative award to appellants of any date for either conception or reduction to practice. From our study of the respective decisions below, it is our conclusion that the contention of counsel for appellees is correct. The purport of the decision of the Examiner of Interferences, later approved by the Board, is that the earliest date which could be awarded appellants, even when given the benefit of certain assumptions claimed to be justified by the evidence (but not specifically passed upon by the Examiner of Interferences), was October 31, 1925. The language of the Board is somewhat more specific, but even it does not, in our opinion, constitute an affirmative award to appellants of any date. We think it obvious that in view of their conclusions as to the conception date and diligence of appellees, it was felt by the tribunals that an award of specific dates to appellants was not required.

There is no contention before us that there was lack of diligence on the part of appellees, but it is contended that December 1, 1925, is the earliest date on which conception by the latter can be considered to have been proved.

In the brief on behalf of appellants it is contended that they proved conception "on December 10, 1924," and "again during the month of May,

1925," and "again in September, 1925." Further, it is contended that they proved reduction to practice "during September, 1925," and "again prior to December 1, 1925," and "again prior to March 12, 1926." Diligence is alleged in the brief to have been proved from the first date of conception claimed, December 10, 1924, "through all their reductions to practice." In the preliminary statement reduction to practice was claimed on or about November 21, 1924.

[1, 2] The record in the case is voluminous, much oral testimony having been taken, and many documentary exhibits having been introduced on behalf of both appellants and appellees. The Examiner of Interferences reviewed the evidence in great detail. The Board's decision was less elaborate but it covers every pertinent question succinctly. There was agreement by the tribunals of the Patent Office upon every material issue of fact presented. Under such circumstances, the controversy being only as to facts, it is well understood that a heavy burden rests upon the appealing parties. This court will not reverse except it be convinced that the concurring decisions were clearly wrong.

We first consider the contention with regard to the date of appellees' conception. In their preliminary statement they claimed August 28, 1925. Subsequently, they sought, unsuccessfully, to amend the statement and claim conception as of June 10, 1925. Both Smith and Kurowski testified at length. To review their evidence in detail is unnecessary. It is recognized that, being joint inventors, the oral testimony of one may not, under the rule, be accepted as sufficient, standing alone, to corroborate the oral testimony of the other and thereby establish conception, but that there must be other corroborative evidence.

The patent to appellees, reissue of which is being sought, is quite an elaborate one containing, as issued, 92 claims. The written specification covers almost seven printed pages and there are five pages of drawings embracing 12 figures. We think it is clear that in the spring or early summer of 1925, possibly in 1924, the broad idea of providing a connection between a typewriting machine and a card punching machine in which there would be an automatic control of the electrical switch was in the minds of appellees, and there appears in the record a letter addressed by Smith to Kurowski under date of August 28, 1925, a copy of which at the same time was sent to the patent attorney having in charge the preparation of the application. In this letter Smith, after reciting the disadvantages incident to the prior art whereby control was exercised manually by the operator of the typewriter through the medium of a foot pedal, said:

> I would therefore suggest that you attach to the front of the typewriter directly in line with the type bar guide at the printing point, a connection; and that you have a second connection point attached to the traveling typewriter carriage. These connecting points can be adjustable, and be placed anywhere on the carriage. The idea is that when the carriage with the disconnect connection reaches the connection attached to the front of the typewriter, that contact will be made or broken as the case may be, and the punch made inoperative; that a further movement of the typewriter carriage will make the punch operative. In this way, the disconnecting of the punch is made automatic.
>
> There are many ways in which this could undoubtedly be worked out, and I would suggest that you give this some thought and include this in your sketches to Mr. Stickney [the patent attorney of the company with which appellees are associated] so that he can protect the company's interests.

Kurowski testifying as to this letter stated, in substance, that previously there had been verbal discussions between them upon this specific subject; that he interpreted the letter as being a memorandum to verify such verbal discussions; that he had his layout completed before its receipt, and that the feature at issue had been incorporated in a drawing or drawings sent to the patent attorney September 25, 1925.

A draftsman of the attorney's office testified at length concerning the showing of the drawings and blue prints which had been supplied by appellees, including the dates thereof, and concerning the letter of August 28, 1925, from Smith to Kurowski. The details of this testimony are given in the decision of the Examiner of Interferences and are repeated in substance in the decision of the Board. It is unnecessary to repeat them here. We agree that it is clear that the draftsman understood the invention at issue from the documents so furnished and that conception on the part of appellees is shown prior to the last of October, 1925.

Turning now to the evidence on behalf of appellants, it is to be borne in mind that they also claim joint invention, and that the same rule as to corroboration applies to them as that applicable to appellees. The Examiner of Interferences said:

> The case for Lasker and Russell rests largely upon the recollection of witnesses, testifying on and after December 14, 1933, concerning events alleged to have happened in the years 1924 and 1925. In the case of *American Bell Telephone Company* v. *The People's Telephone Company et al.*, 29 O. G. 1029; 1884 C. D. 475, one hundred witnesses, more or less, testified that on one or more occasions, which took place from five to ten years before, they thought they saw this or that device used as a talking machine; yet despite this cloud of witnesses for the defense, the great body of which were undoubtedly honest, a decree was ordered for the complainant, which was affirmed on appeal (*The Telephone Cases*, 43 O. G. 377; 1888 C. D. 321). Such testimony must always be carefully scrutinized, and in view of the situation previously outlined in this decision, it is believed that Lasker and Russell bear the burden of establishing that such evidence offered on their behalf is particularly satisfactory and convincing.

We fail to find in the record anything of a documentary nature such as drawings, letters, or the like, bearing any date prior to appellees' filing date which, in our opinion, tends to corroborate the oral testimony of appellants relating to either conception or reduction to practice. The first date alleged for conception in their preliminary statement is "on or about the first day of November, 1924," with a claim that a drawing and disclosure to others was first made on or about November 21, 1924. The first written description claimed is "about two or three weeks prior to the first day of May, 1925."

The purport of the evidence relative to this drawing and disclosure is that the drawing, or sketch, was shown to a party named Capron and a party named Griffiths on or about November 21, 1924; that the sketch was subsequently lost, and that on July 9, 1926, Russell prepared an inter-office letter, which appears in the record as appellants' Exhibit 2, in which the alleged disclosure is referred to, the letter being accompanied by a sketch dated July 7, 1926, which is stated to be similar to the original sketch. The letter states, just above Russell's signature, that both Capron and Griffiths recall the original conversation and sketch and "are signifying the same by signing at the bottom of this paper." Capron's signature, however, does not appear nor was he called as a witness. No explanation was offered as to the failure to call him. At the bottom of the paper there is a typewritten line reading "The foregoing agrees with my recollection of the matter" over the signature of Griffiths. This statement is not dated, nor did either Griffiths or Russell in testifying in the interference proceeding state when Griffiths signed it. Griffiths gave some testimony relative to the sketch alleged to have been made in November, 1924, and his recollection of what is disclosed, but we do not regard it as sufficiently definite to establish that Russell (who alone is claimed to have made the sketch, Lasker being alleged to have joined in the invention of this particular feature by some suggestion of change made after he had been shown the original sketch) was then in possession of the invention.

There is testimony by a witness named Pulster, who seems to have had some connection, together with Russell, with an installation of a foot pedal controlled device for R. H. Macy & Company in 1924, out of which the conception by Russell is claimed to have originated, but Pulster's testimony, like that of Griffiths, is, in our opinion, too indefinite as to details to corroborate or substantiate appellants' claim of conception at that time.

Other evidence claimed by appellants to be added proof of conception consists of printed articles and photographic illustrations introduced as exhibits. It seems clear that the printed articles contain language applicable to a manually controlled device, and Lasker himself testified that the photographs represent a switch button combination.

As to one article, however, and the illustration accompanying it, counsel for appellants, notwithstanding Lasker's testimony, are quite insistent upon their sufficiency to show conception.

It has been stated above that appellants' claim of first written description is "about two or three weeks prior to the 1st day of May, 1925." This claim is based upon certain printed matter and an illustration which, seemingly at the instance of Russell (who, according to the record, as stated in appellants' brief, "was responsible * * * for bringing out publicity in the form of editorials in various trade papers and technical magazines"), appeared in the Banker's Service Bulletin published in May, 1925.

Russell caused to be made what was referred to in oral argument as a "synthetic photograph," by which we understand is meant a photograph retouched so that features appearing in the original are eliminated, or features not appearing in the original are introduced. It is claimed that the retouched photograph under discussion was made December 10, 1924, and that it shows "how the hook-up would look with a control bar," it being said that no control bars had at that time been manufactured.

It was this retouched photograph which was used in the Banker's Service Bulletin and accompanying it is certain descriptive matter. From our examination of the picture and the descriptive matter, we are quite convinced that they may not be taken as evidence of conception. We fail to see where the bar is shown in the photograph, or described in the printed matter, in any manner which would enable one skilled in the art to make it and apply it as the counts require. As is said by the Board:

> "* * * there appears to be nothing in this or the related exhibits that can be taken as disclosing the automatic idea of operation as distinguished from manual operation."

This disposes of the claim of conception in either November, 1924, or May, 1925, and, as of course, disposes of the claim for reduction to practice in November, 1924.

The third alternative claim of proof of conception made in appellants' brief is "in September, 1925," and since a reduction to practice is also claimed at that time the two may be considered together.

The preliminary statement of appellants alleged that the invention was embodied in a full sized machine, completed shortly after September 15, 1925, and first successfully operated in that month "in the City of Detroit, County of Wayne, and State of Michigan."

The evidence shows the installation of a device in the plant of Detroit Edison Company some time in November, 1925, but it was a device operated manually by a foot pedal, and did not give satisfaction. There is testimony to the effect that a maintenance inspector of the company with which appellants were associated, who was sent to Detroit, devised a control bar made out of bakelite; that a sketch of this bar was sent to appellants' company and that a week or ten days later a contact bar made of brass was received and installed in the Detroit plant. There is some conflict in the testimony of appellants as to when the brass bar was installed and began to work satisfactorily.

There is also testimony of the making of another bar in September, 1925. It is testified that both the latter bar and that for the Edison plant were made without drawings. These bars were not themselves produced, no drawings of them were offered, nor even a letter showing anything as to the time of their being made, shipped, or installed. The whole case rests upon oral testimony given many years after the critical dates. It is true that there were offered on behalf of appellants certain papers embraced in an exhibit marked 8, being requisitions for material and the like. Only one of these papers bears a date prior to appellees' filing date and that one, marked November 23, 1925, relates to "Power Card Design," which, as the Examiner of Interferences points out, would be as

necessary in a foot pedal combination as in an automatic combination.

[3] It is deemed unnecessary further to review or comment upon the testimony in the case. Those interested will find in the decisions below ample discussion of every material point. Appellants have not produced documentary evidence of any character which can be related to either conception or reduction to practice of the invention by them prior to the filing date of appellees, and the oral testimony of others by which they seek to corroborate their own personal testimony is not of the definite and precise nature either as to details of structure or dates when such structure was conceived, to meet the requirements of the law.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

GOLDSMITH *v.* VON MIHALY

No. 3,812. Decided June 7, 1937

[90 F.(2d) 359]

INTERFERENCE—PRIORITY—RIGHT TO MAKE THE CLAIMS. Record reviewed and *Held* that von M. has a right to make the claims in issue and priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Harry B. Grover and *Mr. Samuel B. Smith* for Goldsmith.

Mr. Robert E. Barry for von Mihaly.

GARRETT, *J.:*

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority to appellee upon two counts involved in an interference declared between a patent to Goldsmith, hereinafter referred to as appellant, and an application of von Mihaly, hereinafter referred to as appellee. The counts read:

1. In combination, a scanning device for analyzing the varying intensities of light and shadow upon cyclically recurring series of elemental areas of a subject of which the image is desired, an optical system associated with the scanning device, movable means for producing relative movement between the subject of transmission and the scanning device, and automatic means operable upon movement of the movable means for maintaining in focus the optical system used in the scanning operation.

2. In a television system, a scanning device for analyzing varying intensities of light and shadow on successive elemental areas of a subject of which an image is to be transmitted, an optical system associated with the scanning device, and means for moving the optical system to automatically maintain it in focus upon relative movement of the scanning device and the subject scanned.

There are numerous assignments of error but the ultimate question to be determined is whether the counts are supported by the disclosure of appellee's application as originally filed.

This application was filed in the United States Patent Office and given the Serial Number 432,901 on March 3, 1930. It was in all material respects a duplicate of an application filed on appellee's behalf in the patent office of Germany on March 5, 1929, and he was given the benefit of his German filing date for conception and reduction to practice of the invention. Appellant's application was filed August 14, 1930, as Serial No. 475,187, and matured into Patent No. 1,924,277, granted August 29, 1933. As issued, it embraces thirteen claims. Appellee caused a number of these claims to be copied into his United States application for the purpose of interference. As to most of the claims so copied, the Examiner held *ex parte* that appellee was not entitled to make them, but it was held that he might make claims 2 and 13, and these became the counts of the issue.

Appellee did not file any drawing with his specification presented to the United States Patent Office and in the first Office action of record, the Primary Examiner tentatively rejected the application, holding the specification to be inadequate and incomplete, and said, "The invention admits of a drawing and a drawing is, therefore, required." In response to this action, appellee filed drawings and also presented numerous amendments to his written specification. Without detailing the various Office actions it is sufficient to say that the Primary Examiner at length held that Figures 1 to 5 of the drawings were admissible, being supported by his original specification, and, as has been stated, it was finally held by the Examiner that the original specification was sufficient of itself to disclose the counts.

In a decision of October 9, 1933, the Examiner said:

The specification of this [von Mihaly's] application has been altered so much by amendments that it is not clear what applicant intends to cover as his invention. Applicant is required to rewrite the specification in order to present a clear and compact copy.

Appropriate action by appellee followed and the interference was duly declared.

Following the filing of the preliminary statements, appellant moved to dissolve the interference upon the following grounds:

1. That the originally filed specification of the party von Mihaly included no drawing and no description of any workable apparatus which would support either count in issue; and

2. That any descriptive matter and illustration added to the von Mihaly application subsequent to its filing involves new matter and, therefore, the application as now pending before the Patent Office cannot support either count in issue.

Appellee made answer to the motion to dissolve, and, upon the issues presented, the Examiner of Interferences rendered an interlocutory decision denying the motion, and, holding appellee to be entitled to his foreign filing date for constructive reduction to practice, made order that appellant show cause why judgment of priority should not be awarded against him on the record.

To this order appellant responded with an argument by way of answer in which the several matters alleged in the motion to dissolve were reiterated. Thereupon the Examiner of Interferences saying that Goldsmith's response "does not raise any points which have not been fully considered and disposed of * * *," made the award of priority which subsequently met the approval of the Board of Appeals.

So far as we can discern, the arguments presented before us on behalf of the respective parties are substantially the same as those presented before the tribunals of the Patent Office. It is quite earnestly insisted on behalf of appellant that appellee was required to file a drawing or drawings with his specification, and in this connection appellant's brief quotes from Sec. 4889 R. S. (35 U. S. C. A. 34), as follows:

When the nature of the case admits of drawings, the applicant shall furnish one copy * * * and a copy of the drawing * * * shall be attached to the patent as a part of the specification.

The contention is that appellee's application should be considered as effective only from the date when he supplied the drawings in the United States Patent Office, which appears to have been April 2, 1931.

It was held by the Examiner of Interferences:

Sec. 4889 of the Revised Statutes while stating that the applicant shall furnish drawings when the nature of the case so admits, makes no statement as to when the drawings shall be furnished. While it is desirable that drawings shall be furnished when filing the other parts of the application in order to avoid any controversy as to new matter, no good reason is seen for not accepting subsequently filed drawings nunc pro tunc provided said drawings are supported by the originally filed parts of the application as is the case here.

An examination of the certified copy and sworn translation of von Mihaly's foreign filed application shows that the counts here in issue are fully supported thereby and that the party von Mihaly is entitled to avail himself of his foreign filing date of March 5, 1929.

The Board of Appeals did not specifically discuss or pass upon this phase of the controversy, but said:

After careful consideration it seems to us that the counts are so broad as to be practically commensurate with the statement above quoted from the original specification. They do not require any specific mechanism but only the scanning device and the optical system *with* very broadly means to move the optical system to automatically maintain it in proper focus or automatic means operable upon the movement of the movable means for the scanning means for accomplishing this result. This is substantially the scope of the statement of von Mihaly's original specification.

This proposition or conception is so broad that it is believed to be not beyond the skill of those working in the optical arts to accomplish it without involving invention.

Goldsmith illustrates certain specific apparatus set forth in numerous other claims of his patent but the claims on appeal do not involve any details of the apparatus only the very broad combination as above discussed.

It is our opinion that the position taken by the Examiner of Interferences upon this issue is sound as a matter of law. It is true that in the instant case the early declarations of the Primary Examiner strongly indicated that, in his opinion, there was lacking in the application as originally filed in the United States Patent Office the full and clear disclosure required by Sec. 4888 R. S. (35 U. S. C. A. 33), and this fact is strongly emphasized in the argument on behalf of appellant. However, the Primary Examiner did subsequently find in the written specification, as originally filed, and, as we understand it, without reference to the drawings, what he deemed to be ample disclosure.

In the interlocutory decision of the Examiner of Interferences is found the following:

The invention here in issue relates to a television system and more specifically to the transmitter thereof wherein the subject of transmission is automatically focussed on the scanning device regardless of the distance therebetween.

The object of the invention is accomplished by means of a scanning device and an optical system associated therewith for focussing the subject of transmission upon said scanning device. Movable means is provided for producing relative movement between the subject of transmission and the scanning device, automatic means being operable upon movement of said movable means for maintaining in focus the optical system.

From the brief on behalf of appellant we quote, with the italics as there used, the following:

Fundamentally, Goldsmith describes a television system wherein *equal detail scanning* is provided for the *complete subject* irrespective of the large variances in distance of the subject from the television scanning device. In contrast, von Mihaly describes a television system wherein *unequal detail scanning* is provided for only a *portion of the subject* (the "center of interest") with substantially fixed distance between the subject and the television scanning device. In von Mihaly any variance in distance between the subject and the television scanning device is a result of moving the subject (not the scanning device) and is only to correct focussing *defects* of the optical system.

Details of structure of both devices are then set forth and numerous differences are pointed out. That the devices are structurally different and that they operate differently is obvious. One of these differences is that appellant in, to quote from the count, "producing relative movement between the subject of transmission and the scanning device" provides means which move his optical system toward or from the subject of transmission, while appellee provides means which move the subject of transmission toward or from his optical system. The focus is maintained at the desired point by either movement. It is obvious that all that the counts at issue require as to the movement between the subject (the image of which is to be transmitted) and the scanning device is means which will provide relative movement. It seems to us clear that this requirement is as fully met by means which will move the subject as by means which will move the scanning device. Appellee was denied the right to make claims which read only upon appellant's particular structural arrangement, but, as was said by the Board, the counts at issue are quite broad. They are not limited to a device in which only the optical system is moved.

The Examiner of Interferences applied count 1 to appellee's specification in the following manner:

Count 1	*Von Mihaly*
In combination, a scanning device for analyzing the varying intensities of light and shadow upon cyclically recurring series of elemental areas of a subject of which the image is desired,	The Nipkow disc referred to in line 1, page 4 of the specification which scans the film in the kinematographic apparatus.
an optical system associated with the scanning device,	The kinematographic objective referred to in line 3, page 3 of the specification.
movable means for producing relative movement between the subject of transmission and the scanning device,	The remaining part of the kinematographic apparatus carrying the film and described in the first paragraph on page 3 of the specification.
and automatic means operable upon movement of the movable means for maintaining in focus the optical system used in the scanning operation.	The device for continuously automatically adjusting the objective in such a manner that the projection is very clear and definite and described in the first paragraph on page 3 of the specification.

Elsewhere in his decision the Examiner of Interferences quoted verbatim from appellee's original specification the features alluded to by page number in the foregoing.

From our own examination of the text of the specification as originally filed, we feel that the Examiner fairly applied the count; that count 2

may be applied in substantially the same manner, and that the Board of Appeals properly approved his decision.

Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

FISCHER v. AVERY

No. 3,829. Decided June 7, 1937

[90 F.(2d) 114]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that the invention in issue is not disclosed in a prior application of F., the junior party, and that F. having offered no other evidence to establish a date of invention earlier than the filing date of A., priority was properly awarded to the latter.

APPEAL from the Patent Office. Affirmed.

Mr. Albert F. Robinson for Fischer.

Mr. Oliver C. Morse for Avery.

LENROOT, *J.:*

This is an interference proceeding wherein the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention to appellee.

The interference arises between a patent issued to appellee on April 28, 1931, No. 1,802,494, upon an application filed February 16, 1925, and an application of appellant filed July 20, 1931, Serial No. 551,923. The application of appellant states that it is a division of another application, but neither the number of the latter application nor the date of filing is stated. Appellant, however, contends that his application here involved is a division of application No. 336,713, filed November 8, 1919, upon which a patent was issued to him on December 12, 1933, No. 1,939,004.

The issue consists of three counts, which read as follows:

1. The method of producing shingles tapering in thickness and having a felted fibrous foundation containing waterproofing material which comprises producing unit slabs of such material equal in area to that of a shingle and of a thickness substantially equal to the sum of the thicknesses of butt and thin ends of a desired shingle, and splitting said slabs along diagonal planes from end to end to produce two shingles from each.

2. The method of producing shingles tapering in thickness and having a felted fibrous foundation containing waterproofing material which comprises producing slabs of such material each equal in area to that of a shingle and of a substantially uniform thickness equal to the sum of the thicknesses of butt and thin ends of a desired shingle, splitting said slabs diagonally to produce two shingles from each, and coating with bituminous material the portions of the shingles exposed to the weather when laid.

3. The method of producing shingles tapering in thickness and having a felted fibrous foundation which comprises producing slabs each of a substantially uniform thickness equal to the sum of the thicknesses of butt and thin ends of the desired shingle, splitting said slabs diagonally to produce two shingles from each coating the portions of a shingle exposed when laid with bituminous material, and embedding grit in said coating.

The invention involved is sufficiently stated in the counts.

Claims corresponding to said counts were copied by appellant from appellee's patent and were contained in appellant's application 551,923 as originally filed. Figures 4 and 5 of the drawings of said application are identical with Figures 8 and 8a of appellant's application 336,713.

Appellee moved to dissolve the interference upon the ground that appellant's disclosure did not support the claims corresponding to the counts. This motion was denied by the Examiner of Interferences. In taking this action the Examiner apparently relied upon the fact that the claims corresponding to the counts here involved were a part of application 551,923 as originally filed, and in themselves constituted a disclosure of the invention, which disclosure was not inconsistent with the body of the specification.

No testimony was taken, and appellee therefore was restricted to his filing date, February 16, 1925, and appellant submitted his case upon a stipulated record, the only material portion of which is appellant's application No. 336,713, hereinbefore referred to. The Examiner of Interferences held that the counts did not read upon appellant's application No. 336,713, and awarded priority of invention to appellee. Upon appellant's appeal, the Board of Appeals affirmed the decision of the Examiner of Interferences.

If appellee, under the circumstances hereinafter set forth, is not estopped from contending that the counts here involved do not read upon appellant's application No. 336,713, so that this question is open for consideration, and if in fact the counts do read upon said application, then the decision of the Board of Appeals should be reversed, for appellant's application last named was filed prior to the filing of appellee's application.

With respect to the estoppel of appellee, appellant's contention is based upon the claim that the same invention is disclosed in both of appellant's applications, and that appellee accepted the ruling of the Examiner of Interferences that the counts read upon appellant's application 551,923; that while appellee could not have directly appealed from the order denying his motion for dissolution of the interference, he could upon appellant's appeal have raised the question of appellant's right to make the claims in his application 551,923, but failed so to do. He not only failed so to do, but in his brief before the Board of Appeals, a part of which is contained in the record, he asserted that there was no error in the decision of the Examiner of Interferences upon the motion to dissolve. Appellant's position is that, appellee having accepted the decision of the Examiner of Interferences that the counts read upon appellant's application 551,923, and inasmuch as appellant asserts that his application 336,713 is substantially the same as his so-called divisional application, appellee may not now contend that the counts do not read upon appellant's application 336,713. In support of this contention appellant cites the cases of *Braren* v. *Horner*, 18 C. C. P. A. (Patents) 971, 47 F.(2d) 358, 408 O. G. 825; *Dreyfus* v. *Lilienfeld*, 18 C. C. P. A. (Patents) 1539, 49 F.(2d) 1062, 413 O. G. 862; *Schweyer* v. *Thomas*, 21 C. C. P. A. (Patents) 859, 68 F.(2d) 953, 443 O. G. 298; and *Standard Oil Company (Indiana) et al.* v. *United States*, 283 U. S. 163.

Appellee claims that he is not estopped from raising this question, he having duly moved to dissolve the interference, and that, having won an award of priority of invention before the Examiner of Interferences, he was not required to raise every question that he might have raised to support such award. Appellee further contends that the two applications of appellant, Nos. 336,713 and 551,923, are not substantially similar, and that, even if it be held that the application here in interference, No. 551,923, does support the counts, it does not follow that appellant's application No. 336,713 supports them.

We do not find it necessary to decide whether appellee would be estopped from contending that the counts do not read upon appellant's application 336,713 if said application was substantially similar to application 551,923, for we find that there is a marked and substantial difference in the two applications. While it is true that two of the drawings in each of the applications are identical, the specifications with respect to such drawings are very different. These drawings in application 336,713 are numbered 8 and 8a. In said application the specification states:

Individual shingles 5, 5a may be coated in accordance with the present invention and applied face to face as suggested in Figures 8, and 8a in order to preserve their self-adhering quality during shipment, the shingles being *rolled apart* at the time of applying them to a roof, and the application being over a previously prepared surface of roofing paper or other material. These shingles may be of any desired shape, and may be of uniform thickness as shown at 5 (Figure 8), or tapering in thickness as shown at 5a (Figure 8a). The method of developing self-adhering surfacing members and packaging the same as suggested in Figures 8 and 8a, is applicable to paving or flooring blocks or material as well as to roofing shingles. [Italics ours.]

Nowhere in the specification are the words "split", "unit", or "slab" found. The application speaks of pre-formed shingles stuck together being "rolled apart." While the word "split" is broadly defined by the dictionaries, we have found no definition of that word that would include a rolling apart of two pieces of material.

On the other hand, appellant's application 551,923 repeatedly uses the terms "units", "slabs", and "split", and as hereinbefore noted the counts here involved were claims in said application as originally filed and formed a part of the disclosure.

Upon this point the Examiner of Interferences stated:

It is to be noted that the idea in application 551,923 is different from that in application 336,713. In the former there is no separate prior existence of the shingles as individual shingles. The so-called slabs are formed from a composite sheet. In the latter, individual shingles are coated and stuck together for shipment, to be afterwards separated on the job. The counts were original claims in application 551,923, which was filed after the Avery patent issued. The interlocutory decision appears to have been based upon this fact:

"Claims 1, 2, and 3 of the Fischer application are also original claims thereof and are part of the Fischer original disclosure. Under such circumstances, when the claims are not indefinite or inconsistent with the body of the specification, they are in themselves a sufficient disclosure of the counts."

The Fischer specification uses the terms "splitting", "unit" and "slab". No corresponding disclosure is found in Fischer application 336,713. For these reasons it must be held that the earlier application does not support count 1.

The disclosure of application 336,713 seems to be of an entirely different invention from that here involved, and is entirely consistent with the drawings shown in said application. It is clear that the counts before us do not read literally upon appellant's application 336,713, and they are clearly not within the spirit of its disclosure. It seems quite apparent that application 551,923, filed after the Avery patent was issued, was prepared with a view of interference with said patent, not only in copying the claims, but also in describing the invention involved in the counts.

We are clear that the counts do not read upon appellant's application 336,713, assuming that they do read upon application 551,923; hence appellant is not entitled to the filing date of application 336,713 as the date of his invention, but must rely upon the filing date of his application here in interference, which is subsequent to the filing date of appellee.

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

MORGENSTERN AND HACKENBERG v. BURTON

No. 3,810. Decided June 7, 1937

[90 F.(2d) 270]

1. INTERFERENCE—ISSUE CONSTRUED.

The term "thyratron tubes" as used in the claims in issue *Held* broad enough to include the tubes shown and described in B's. application as filed.

2. SAME—PRIORITY—RIGHT TO MAKE CLAIMS.

Record reviewed and *Held* that B. has a right to make the claims in issue and priority was properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene C. Brown for Morgenstern et al.

Mr. J. W. Schmied for Burton.

LENROOT, *J.:*

This is an interference proceeding in which the Board of Appeals of the United States Patent Office affirmed a decision of the Examiner of Interferences awarding priority of invention to appellee, and appellants have brought the matter before us for review.

The interference arises between an application filed by appellee on May 21, 1930, and a patent issued to appellants on November 28, 1933, upon an application filed October 5, 1931. Appellee, being the first to file, is the senior party. Appellants derive no advantage over appellee by reason of the issue of their patent, as appellee's application was copending at the time of the issue of said patent.

But one count is involved, which was copied by appellee from appellants' patent. The count reads as follows:

1. A system for converting a non-continuous wave made up of peaked current impulses into a square-top continuous wave, comprising a pair of thyratron tubes and matched input and output circuits therefor, said input circuits comprising means for applying peaked non-continuous current impulses to said thyratron tubes as starting voltages therefor, said output circuits comprising means for causing the starting of either tube to stop the other tube, whereby the peaked impulses cause the production in the combined output circuit of the thyratron tubes of contiguous square-top impulses to produce a wave continuous in character.

The invention relates to the art of telegraphy, wherein peaked waves as received are converted into square-topped waves. Within the motion period following the declaration of the interference, appellants moved to dissolve the interference upon the ground that appellee had no right to make the claim corresponding to the count, the reason given being that appellee's application, as originally filed, did not disclose the invention, and that amendments subsequently filed constituted new matter.

The motion was denied by the Primary Examiner, and thereafter the Examiner of Interferences entered judgment upon the record against appellants, awarding priority of invention to appellee, following an order to show cause issued by him.

Upon appeal to the Board of Appeals, it was held that the motion to dissolve the interference was properly denied by the Primary Examiner, and, that being the only issue involved, the decision of the Examiner of Interferences was affirmed.

The only issue going to the merits of the case is whether appellee's application, as originally filed, discloses the use of "thyratron" tubes or their equivalents. It will be observed that the count involved specifically refers to "thyratron" tubes, and it is conceded that, in order for appellee to prevail, his original application must disclose the use of such tubes or their equivalents.

Before discussing this question, we will refer to a preliminary matter raised by appellee. He moves to strike from the record an affidavit by one Frederick Holborn, and from the brief of appellants a statement with respect to alleged tests of thyratron tubes made by appellants.

It appears that appellants filed an affidavit by one Frederick Holborn respecting the meaning of the term "thyratron tubes." This affidavit was filed while appellants' appeal was pending before the Board of Appeals. The Board of Appeals in its decision made no reference to this affidavit, and we have not considered it in arriving at our conclusion herein. Nothing in the rules of the Patent Office permit the filing of affidavits in interference cases after appeal to the Board of Appeals.

It also appears that in appellants' brief before the Board of Appeals, quotation was made from a letter purporting to have been written by Dr. Hull, hereinafter referred to. Appellee objects to the consideration of the quotation for the reason that the letter was not properly authenticated and only a portion of the letter was quoted from. The Board of Appeals made no reference to this letter, and we have not considered it, for the reasons stated by appellee.

With respect to the statement in appellants' brief respecting tests with thyratron tubes, there is nothing in the record to support the statement, and we have given it no consideration.

There is only one question before us upon the merits of the case, viz., whether appellee's application, as originally filed, discloses the use of "thyratron" tubes or their equivalent. In appellants' patent their tubes are not described other than by the name "thyratron." In appellee's application, as originally filed, the term "thyratron" is not found.

It appears that the term "thyratron" is a trademark owned by the General Electric Company, which mark was registered in the United States Patent Office on June 17, 1930, registration No. 271,600, used for "Grid-Controlled Arc Tubes." As hereinbefore noted, the tubes disclosed in appellants' patent are described as "thyratron" tubes, and not otherwise. The tubes disclosed in appellee's application as originally filed are there described as follows:

> The three-electrode gas-filled glow discharge tubes used in the present invention may be produced by filling a highly evacuated small amplifier tube of the usual type with argon to a pressure of approximately 0.1 mm. of mercury. Other similar gases at suitable pressures may also be used. Such three-electrode tubes differ from tubes structurally the same but highly evacuated in that the grid is effective as a control element only for low values of plate current. If the grid is carried from the filament potential toward a more positive potential, a point is reached where the glow discharge within the tube begins and the plate current rises to a value determined by the "B" battery voltage and the plate circuit resistance. Once the glow discharge is started the control of the grid is greatly reduced and becomes very small as the plate current rises to an appreciable value. Since the grid control practically disappears for high values of plate current it is necessary to provide some means for breaking the glow very shortly after it is started. The methods employed for doing this will be described in connection with the detailed description of the drawings.

On June 15, 1934, more than four years after the filing date of appellee's application, the following amendment was made thereto:

> —the name "thyratron" has been applied to tubes of this type in articles entitled "Gas-filled Thermionic Tubes" by A. W. Hull, published in the Journal of the American Institute of Electrical Engineers, November, 1928, page 802; and "Hot-cathode Thyratrons" by A. W. Hull, published in the General Electric Review for April, 1929 and July, 1929, vol. 32, pages 213–223 and 390–399. In this specification tubes of this type will be called glow-discharge tubes, thermionic gas tube relays, thyratrons, gas-filled discharge devices, glow-discharge devices, gaseous discharge tubes, etc.—

For the purposes of this case we may ignore this amendment, for unless "thyratron" tubes or their equivalents are disclosed in appellee's application as originally filed, said amendment would concededly be new matter.

The Board of Appeals held that, as the term "'thyratron" is not defined in appellants' patent, the term

> "must be construed broadly as referring to a tube of this general type which will operate in the system."

For the meaning of the term "thyratron" the Board of Appeals relied upon certain published articles prepared by Dr. Albert W. Hull of the Research Laboratory of the General Electric Company, a portion of which articles appear in the record. One of said articles was published in vol. 32, No. 4, of the General Electric Review in April, 1929; the other, it appears, was published in July, 1928. Appellants rely upon these articles as showing that appellee's application, as originally filed, does not disclose "thyratron" tubes, and appellee relies upon the same publications as showing that the tubes disclosed by him are the equivalents of, or have the same characteristics as "thyratron" tubes as described by Dr. Hull.

The Board of Appeals, after quoting from said articles by Dr. Hull, stated, with respect to the characteristics and functions of "thyratron" tubes, as follows:

> Taking the entire article of Hull into consideration, it is evident that a thyratron is a grid-controlled arc tube or three electrode tube similar to a Pliotron, into which, after exhaust, a small amount of gas is introduced; and in which the grid or control element controls the starting of a discharge but is usually unable to stop the discharge. It also shows that thyratrons are not limited to any such specific structure as Morgenstern et al. contends, since in some, the grid may shield the entire cathode, while in others, it does not. It also shows that thyratron tubes can and have been made by introducing a small amount of gas at a low-pressure into a tube structure designed as a high-vacuum or Pliotron tube. It also shows that improved results can be obtained by modifying such structures so that the grid will completely shield the cathode.

The Board, in its decision denying a motion for reconsideration made by appellants, said:

> • • • we do not believe it is proper to hold that a thyratron, as the term is used in the patent, must have a grid which shields the whole cathode from the anode. We, therefore, stated in our decision that the term "thyratron" must be construed broadly as referring to a tube of this general type which will operate in the system. By "general type" we mean a gas filled tube in which a grid is employed to set it in operation.

Appellants insist that the Board of Appeals misapprehended the statements in the articles of Dr. Hull in that it assumed that the grid must physically shield the cathode, while in fact the shielding referred to by Dr. Hull is an electrostatic phenomenon made possible by the physical structure, and that thyratron tubes must permit the creation of this electrostatic phenomenon, and that the tubes disclosed by appellee do not permit this because of the shortness of the grids. Appellants state:

> • • • It is not the physical grid which shields the anode from the cathode, but rather the invisible electrostatic field set up by the potential of the grid and this grid field must completely shield the cathode from the anode.

We think appellants' contention that the shield referred to in Dr. Hull's articles embraces electrostatic phenomena as well as physical structure is correct. While certain figures in the article published in the April, 1929, number of the General Electric Review show that the grid structurally does not completely shield the cathode, we think that the article taken as a whole shows that the shielding referred to by Dr. Hull was in the form of an electrostatic field, rather than in the form of physical structure alone. However, it does not follow that tubes permitting only a partial shielding by electrostatic phenomena are not embraced within the term "thyratron tubes."

Appellants rely upon certain statements found in Dr. Hull's articles, a few of which we quote. The following are found in the article published in July, 1928:

> 3. The grid must shield the whole cathode from the anode. In high vacuum tubes the protrusion of 5 per cent of the filament beyond the end of the grid results only in 5 per cent "zero" current, which has no effect on operation except to reduce the useful power by this amount. As a thyratron such a tube is nearly worthless. It will pass full current at all reasonable grid voltages, since a small fraction of one percent of the total emission is sufficient to produce ions that will sheathe the grid. The uniformity of the grid is more important than in high vacuum tubes, since the amplification factor is determined entirely by the largest hole.
>
> This requirement of complete shielding makes even the small pliotrons of most standard types unsuitable for conversion into thyratrons by introducing gas, because of the shortness of the grids.

In the same article we find the following:

> The name thyratron • • • has been suggested for an arc whose starting can be controlled by a grid. It has been known for a long time that arcs could thus be controlled. • • • They have been the subject of an exhaustive study in this laboratory, under the direction of Dr. Langmuir, for several years, and the results of these investigations will soon be published by Langmuir and his associates. • • • Only the specific characteristics of hot-cathode thyratrons similar to the above rectifiers, which are very simple, will be described here.
>
> Figs. 23 and 24 show typical hot cathode thyratrons of this type. Their structure is identical with that of pliotrons except for the form of cathode and the limitations of filament voltage and grid size noted below.
>
> Their characteristics are also the same as pliotrons *when no plate current, or very little, is flowing.* The distribution of potential in the tube is then obviously the same as in a high-vacuum tube. The amplification factor is defined, as in ordinary vacuum tubes, as the ratio of plate to grid voltage that will keep the plate current at a constant small value. This factor determines at what grid voltage the tube will "start." [Italics quoted.]
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> • • • • • • •
>
> As soon as plate current begins to flow the similarity to pliotrons ends. Such factors as mutual conductance and plate resistance do not exist, for the grid is instantly surrounded by a sheath • • • of positive ions, and has no further effect on the current.

From the article by Dr. Hull published in April, 1929, we quote the following:

> The requirements of thyratron grids differ in several respects from those of pliotron grids, and it is desirable to state these requirements briefly before describing the types of grid that have been found practical. They can, perhaps, be most simply pictured by pointing out the difficulties which are encountered on attempting to use pliotrons of standard types as thyratrons.
>
> The most serious difficulty, especially with the smaller pliotrons, is *incompleteness* of the grids. They are too short to shield the whole filament. This results in a small uncontrolled emission, so small that it is unobjectionable in a pliotron, but in a thyratron it determines the grid-control ratio, giving a ratio so large, often greater than unity, that the tubes are not very useful. • • • [Italics quoted.]

It seems to be conceded that a pliotron is a high vacuum tube, into which no gas has been introduced.

Had the articles by Dr. Hull clearly set forth that a "thyratron" tube must be structurally different from a pliotron tube, we would conclude that the Board of Appeals erred in holding that appellee's application, as originally filed, disclosed, without so naming them, "thyratron" tubes or their equivalents, but we find in his article published in April, 1929, a Fig. 14, below which is the notation:

> Fig. 14. Plate Current vs. Grid Voltage in a Pliotron UV–203A, and a Thyratron which Was Made from the Same Tube by the Addition of 0.005 Mm. Mercury Vapor.

The article also states, with respect to said Fig. 14, and also with respect to Fig. 15, as follows:

> • • • For purposes of comparison the thyratron might be said to have infinite mutual conductance and zero plate impedance. Figs. 14 and 15 show these characteristics, plotted to scale, for the 50-watt pliotron, UV–203A, with and without gas, *i. e., as thyratron and pliotron respectively.* [Italics ours.]

From the above it would seem that, in the opinion of Dr. Hull, a pliotron tube may be converted into a thyratron by introducing a certain quantity of gas into the pliotron tube. Dr. Hull states:

> The best range of *gas pressure* in a thyratron is between 1 and 50 microns for mercury vapor, for other gases, especially helium, it is somewhat higher.

Appellee's application, as originally filed, states:

> The three-electrode gas-filled glow discharge tubes used in the present invention may be produced by filling a highly evacuated small amplifier tube of the usual type with argon to a pressure of approximately 0.1 mm. of mercury. • • •

[1, 2] While the last quoted statements from Dr. Hull's article may be inconsistent with other statements found in the article, we are of the opinion that the term "thyratron" must be construed broadly, as held by the Board of Appeals; and inasmuch as

some of the statements in Dr. Hull's articles defining "thyratron" tubes embrace the tubes disclosed by appellee, we are constrained to hold that the Board of Appeals did not err in holding that appellee could make the claim corresponding to the count here involved, in view of the disclosure in appellee's application as originally filed.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

BROOKS AND ALLEN

No. 3,895. Decided May 29, 1937
[90 F.(2d) 106]

PATENTABILITY—PROCESS OF DETERMINING THE HUMIDITY OF A STREAM OF AIR.

Certain claims for a process of determining the humidity of a stream of air *Held* unpatentable since they do not embrace the steps by which the beneficial result is obtained, but certain more specific claims *Held* patentable.

APPEAL from the Patent Office. Modified.

Mr. J. F. Mothershead, Mr. E. R. Weisbender, and *Mr. Paul P. Stoutenburgh* for Brooks and Allen.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims 39 to 44, inclusive, of appellants' application. The involved claims are process claims; certain apparatus claims were allowed.

Claims 39, 41, and 42 are illustrative of the claims in issue and read as follows:

39. Steps in the process of determining the humidity of a stream of air which consist in obtaining the temperature of said air, maintaining an evaporating liquid at substantially adiabatic evaporation temperature with respect to the particular stream of air being tested and obtaining the evaporation temperature thereof for comparison with the temperature of said air.

41. In the process of computing the vapor content of a gas from the respective temperatures of the gas and a liquid evaporating into said gas, the step of bringing the liquid supplied for evaporation to substantially adiabatic evaporation temperature with respect to the gas to be tested by evaporating a portion of said liquid supply into the gas prior to supplying said liquid for temperature measurement.

42. In a system for determining the vapor content of a gas involving the transfer of a liquid into a gas by evaporation in which the temperature of said liquid is lowered, *the steps of cooling said liquid to substantially adiabatic evaporation temperature with respect to said gas, further cooling a portion of said liquid by gas circulation, and thereafter measuring the temperature of the further cooled liquid.* [Italics ours.]

The references cited are: Bristol et al., 1,586,351, May 25, 1926; Irwin, 1,601,243, September 28, 1926; Armstrong, 1,636,350, July 19, 1927; Guthrie et al., 1,894,172, January 10, 1933.

The alleged invention is described by the Board of Appeals as follows:

This application relates to a psychrometer and appellants have devised an arrangement whereby wet fibrous material is caused to surround the wet bulb thermometer and the air passing over the perforated portion of the tube surrounded by the fibrous material will cause the water in the fibrous material to evaporate and thereby bring the water supplied to the wick of the wet bulb to substantially the evaporation temperature of the water as it passes in the form of vapor from the wick of the wet bulb into the air.

We find it unnecessary to describe the references for the reason that it is admitted that certain of the steps recited in the claims are disclosed in said references, while the Examiner conceded that certain other alleged steps hereinafter discussed are not so disclosed.

In claim No. 39, which is illustrative also of claims 40, 43, and 44, the alleged step not disclosed by the references is that element reading

"maintaining an evaporating liquid at substantially adiabatic evaporation temperature with respect to the particular stream of air being tested."

The Examiner stated that

"this additional purported step did not define an act to be performed with sufficient particularity as required by the Revised Statute 4888,"

and further stated as follows:

• • • This step did not define how an evaporation liquid was to be maintained at substantially adiabatic evaporation temperature with respect to the particular stream of air being tested. The definition of how an evaporation liquid is maintained at substantially adiabatic temperature with respect to the particular stream of air being tested is the gist or crux of the contribution of the applicants to the prior art. • • •

Upon this point the Board stated:

As we understand the situation, experts in this art found it necessary to make allowance for the fact that the temperature of the liquid was not at its evaporating temperature, and we believe that it was obvious to them that if the liquid had been substantially at that temperature, the allowance would not have been necessary. Therefore, even if appellants are the first to discover a means for reaching this obviously desirable end, we do not consider that they are entitled to cover all ways of accomplishing it, no matter how remote they might be from that devised by them, and we therefore are of the opinion that the Examiner was justified in rejecting the broad claims on appeal.

We are in accord with the conclusion reached by the Patent Office tribunals with respect to claims 39, 40, 43, and 44. We think the alleged step claimed to be novel merely states the result or effect of a step of a process not embraced in the claims. Appellants' invention, if any there be, consisted in the method of

"maintaining an evaporating liquid at substantially adiabatic evaporation temperature with respect to the particular stream of air being tested."

We agree with the Board that the desirability of the result set out in the above quoted element of claim 39 would be obvious, and the problem to be solved was how to secure this result. Upon this point claims 39, 40, 43, and 44 are silent.

It is well established that

"It is for the discovery or invention of some practicable method or means of producing a beneficial result or effect, that a patent is granted, and not for the result or effect itself."

Corning et al. v. *Burden,* 15 How. 252. See also *In re Caunt,* 23 C. C. P. A. (Patents) 855, 81 F.(2d) 405, 465 O. G. 461; *In re Marshall,* 19 C. C. P. A. (Patents) 832, 54 F.(2d) 421, 416 O. G. 538.

To entitle appellants to a patent, their claims should embrace the steps by which the beneficial result is secured. Having failed to do so, claims 39, 40, 43, and 44 lack patentability for the reasons given by the Examiner and the Board.

With respect to claims 41 and 42, however, this omission is supplied, and the claims purport to set out the method by which the result is secured. In claim 41 it is stated that the result is secured

"by evaporating a portion of said liquid supply into the gas prior to supplying said liquid for temperature measurement,"

and in claim 42 the same step is stated in different language.

With regard to these steps recited in claims 41 and 42, the Examiner stated that

"Merely evaporating a portion of said liquid supply into the gas, per se, does not necessarily bring the liquid to substantially adiabatic evaporation temperature."

Appellants' specification, however, does state that the quoted step will bring the liquid to substantially adiabatic evaporation temperature. There was also introduced into the record an affidavit by Brooks, one of the appellants, which states that the affiant conducted a number of tests and demonstrated, as we construe the affidavit, that the statement in appellants' specification upon this point is correct.

The Board of Appeals in its decision did not specifically discuss claims 41 and 42, and apparently assumed that there was no substantial distinction between these claims and claim 39, which it set out as illustrative of all the claims. Although there was a general affirmance of the decision of the Examiner by the Board, we are not convinced that the Board did not inadvertently overlook the distinction between these claims and claim 39, and we are not disposed to accept the opinion of the Examiner in the face of positive recitals in appellants' application, and in the face of the affidavit above referred to. At least, there is sufficient doubt in our minds as to the correctness of the conclusion of the Examiner upon this point to warrant the application of the rule that the doubt should be resolved in favor of the appellants. In this view of the case, claims 41 and 42 are patentable, for it is conceded that the steps here under consideration, recited in said claims, are not found or suggested in the references.

Being of the opinion that claims 41 and 42 do properly embrace steps of a true process in full compliance with §4888 of the Revised Statutes, and that such steps are not disclosed by the references, the decision of the Board of Appeals is reversed with respect to claims 41 and 42, and, for the reasons hereinbefore stated, it is affirmed as to claims 39, 40, 43, and 44.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,100,319, H. Moore, Rubber, D. C., S. D. N. Y., Doc. E 60/161, *H. Moore* v. *U. S. Rubber Co.* Doc. E 60/162, *H. Moore* v. *Miller Rubber Co.* Dismissed without prejudice (notice Oct. 1, 1937), in both cases.

1,299,024, B. A. Proctor, Stock quotation projector; 1,666,304, same, Projecting machine; 1,666,305, same, News projection machine; 1,666,306, same, Tension control for ticker tape; 1,666,307, same, Jump absorbing mechanism, D. C., S. D. N. Y., Doc. E 80/327, *Trans-Lux Movie Ticker Corp. et al.* v. *F. A. Morny et al.* Dismissed without prejudice (notice Oct. 4, 1937).

1,346,779, S. E. Anderson, Cement stave machine, D. C. Minn., 4th Div., Doc. E 2910, *New Monarch Machine & Stamping Co.* v. *G. W. Papke.* Dismissed on plaintiff's motion Sept. 28, 1937.

1,421,756, C. Arnao, Massage apparatus; 1,982,904, Davis & Nielsen, Steaming apparatus; 1,982,905, R. E. Davis, Scalp steamer, D. C. Minn., 4th Div., Doc. E 2944, *Larx Co., Inc.,* v. *Gibbs & Co.* Decree for plaintiff, injunction Sept. 27, 1937.

1,467,755, A. Cimorosi, Toy torpedo, C. C. A., 4th Cir., Doc. 4180, *Commercial Novelty Co., Inc.,* v. *Victory Fireworks & Specialty Co. et al.* Decree affirmed Sept. 29, 1937.

1,467,862, Ledyard & Jelley, Vault; 1,515,057, same, Collapsible mold; 1,675,362, same, Combined transporting and lowering burial apparatus, filed Oct. 6, 1937, D. C., S. D. Ohio, W. Div., Doc. E 1025, *Ashland Vault, Inc., et al.* v. *E. W. Bell.*

1,515,057. (See 1,467,862.)

1,621,266, L. Marx, Toy; Re. 20,504, same, Toy pursuit car, suit for declaratory judgment, filed Sept. 29, 1937, D. C., S. D. N. Y., Doc. E 85/336, *L. Wolf & Co., Inc.,* v. *L. Marx & Co. et al.*

1,621,949, G. A. Overstrom, Vibrating screen, filed Sept. 24, 1937, D. C., E. D. Pa., Doc. 9839, *G. A. Overstrom* v. *Link-Belt Co.*

1,627,958. (See 1,901,735.)

1,642,245, P. S. Judy, Method of making and maintaining wells, filed Sept. 30, 1937, D. C., W. D. Okla., Doc. E 1992, *P. S. Judy* v. *E. W. Baker & Co.*

1,649,828. (See 1,901,735.) 1,666,304. (See 1,299,024.)

1,666,305. (See 1,299,024.) 1,666,306. (See 1,299,024.)

1,666,307. (See 1,299,024.) 1,675,362. (See 1,467,862.)

1,676,626, O. U. Zerk, Lubricating dispensing apparatus, filed Oct. 6, 1937, D. C., W. D. Pa., Doc. 3342, *Stewart-Warner Corp.* v. *Universal Lubricating Systems, Inc.*

1,688,289. (See Re. 18,223.)

1,716,590. (See Re. 17,631.)

1,721,530, J. Schick, Shaving implement, filed Sept. 29, 1937, D. C. Conn. (New Haven), Doc. E 2658, *Schick Dry Shaver, Inc., et al.* v. *General Shaver Corp. et al.*

1,727,890, McGraw & McGraw, Center iron, filed Sept. 28, 1937, D. C., S. D. Calif. (Los Angeles), Doc. E 1258–J, *J. E. McGraw, Sr., et al.* v. *Vernon Tool Co., Ltd., et al.*

1,776,093, R. C. Underwood, Tape puller; 1,888,623, R. L. Daine, Tape pulling device; 1,900,421, E. H. Unkles, Tape puller; Re. 19,670, J. Ward, Method and apparatus for feeding tape and projecting images therefrom, D. C., S. D. N. Y., Doc. E 84/136, *Trans-Lux Movie Ticker Corp. et al.* v. *F. A. Morny et al.* Dismissed without prejudice (notice Oct. 4, 1937).

1,822,928. (See 1,901,735.) 1,831,151. (See 1,901,735.)

1,870,119, G. A. Hughes, Airplane, D. C. Nebr. (Lincoln), Doc. E 497, *G. A. Hughes* v. *United Air Lines, Inc.* Dismissed for want of equity (notice Oct. 1, 1937).

1,888,623. (See 1,776,093.) 1,900,421. (See 1,776,093.)

1,901,735, A. Crossley, Piezo electric crystal system; 1,627,958, same, Radio frequency choke coil system; 1,831,151, G. P. Walker, Temperature control system for frequency determining elements; 1,822,928, A. Hund, Piezo electric plate; 1,649,828, same, Method of preparing piezo electric plates, D. C., S. D. Ohio, W. Div., Doc. E 870, *Wired Radio, Inc.,* v. *Radio Station WFBE, Inc.* Dismissed without prejudice Oct. 5, 1937.

1,910,154, A. D. Elitzen, Tape locking means; 2,045,539, 2,045,536, same, Tape drawing device; 2,045,537, same, Stock quotation projecting machine; 2,030,900, J. A. Spencer, Quotation projecting or analogous apparatus; 2,017,655, J. W. Decker, Ticker tape controlling means; 2,047,621, same, Pneumatic vibration absorbing device; Re. 19,727, same, Stock quotation projecting machine and method for feeding tape therethrough, D. C., S. D. N. Y., Doc. E 84/135, *Trans-Lux Movie Ticker Corp. et al.* v. *F. A. Morny et al.* Dismissed without prejudice (notice Oct. 4, 1937).

1,911,289, W. T. Reddish, Method of cleaning fabric; 2,024,981, same, Absorbefacient for dry-cleaning; 2,061,211, same, Method of improving the appearance of silk fabrics, filed Sept. 22, 1937, D. C., N. D. Ill., E. Div., Doc. 15779, *Emery Industries, Inc.,* v. *F. C. Schumann.*

1,922,415, M. Bank, Electrical—including radio—apparatus, filed Sept. 25, 1937, D. C., N. D. Ill., E. Div., Doc. 15783, *M. Bank* v. *The Webster Co. et al.*

1,929,748, H. M. Little, Spark plug, D. C., S. D. N. Y., Doc. E 85/176, *American Gyro Corp. et al.* v. *P. & E. Corp.* Dismissed (notice Sept. 20, 1937).

1,934,942, F. W. Mostertz, Loop pile fabric, D. C., E. D. Pa., Doc. 9321, *F. W. Mostertz* v. *Quaker Pile Fabric Corp.* Dismissed Sept. 28, 1937.

1,955,569, H. I. Warden, Licensing of motor vehicles, D. C., N. D. Ill., E. Div., Doc. 15781, *H. I. Warden* v. *American Decalcomania Co.* Consent decree holding patent valid and infringed Sept. 27, 1937.

1,982,904. (See 1,421,756.) 1,982,905. (See 1,421,756.)

2,017,655. (See 1,910,154.) 2,024,981. (See 1,911,289.)

2,028,645, N. G. Burgster, Fountain pen, filed Sept. 28, 1937, D. C., N. D. Ill., E. Div., Doc. 15816, *N. G. Burgster* v. *The Wahl Co.*

2,030,900. (See 1,910,154.)

2,039,789, S. Freeman, Hair curling device, and method of curling the hair, filed June 18, 1937, D. C., S. D. N. Y., Doc. L–67/137, *W. Winkelstein (Eastern Trading Co.)* v. *Hair Net Packers, Inc.*

2,045,536. (See 1,910,154.) 2,045,537. (See 1,910,154.)

2,045,539. (See 1,910,154.)

2,047,101, M. H. Grove, Pressure regulator, D. C., N. D. Calif. (San Francisco), Doc. E 4149–L, *M. H. Grove et al. (Grove Regulator Co.)* v. *H. C. Cobb (Cobb Welding Works).* Doc. E 4150–S, *M. H. Grove et al. (Grove Regulator Co.)* v. *Renco, Inc.* Consent decree holding claims 3, 7, and 8 valid and infringed, injunction Sept. 23, 1937, in both suits.

2,047,621. (See 1,910,154.)

2,053,504, C. S. Van Sickle, Soil disrupter, D. C., E. D. Wash. (Spokane), Doc. E 4478, *C. S. Van Sickle* v. *W. H. Pendell et al.* Patent held infringed, injunction Sept. 29, 1937.

2,061,211. (See 1,911,289.)

2,081,856, P. H. Frick, Rotatable bin; 2,086,508, A. W. Mueller, same, suit filed in D. C., Dist. of Columbia, Doc. E 85,585, *The Frick-Gallagher Mfg. Co.* v. *Ro-Tray Corp.*

2,086,508. (See 2,081,856.)

Re. 17,631 (of 1,716,590), A. R. Lytle, Nonferrous welding rod, D. C. Minn., 4th Div., Doc. E 2918, *Oxweld Acetylene Co.* v. *Smith Welding Equipment Corp.* Consent decree for plaintiff, injunction Sept. 28, 1937.

Re. 18,223 (of 1,688,289), S. F. Slawski, Folding ironing board, filed Sept. 27, 1937, D. C., S. D. Calif., C. Div., Doc. 1256–RJ, *S. F. Slawski* v. *L. H. Eubank & Son et al.*

Re. 19,670. (See 1,776,093.)

Re. 19,727. (See 1,910,154.)

Re. 20,504. (See 1,621,266.)

Des. 101,756, A. Einstein, Blouse, filed Sept. 29, 1937, D. C., S. D. N. Y., Doc. E 85/338, *C. Duchen* v. *S. Fischman et al. (Thebest Mills Co.).* Doc. E 85/339, *C. Duchen* v. *L. D. Livingston et al. (Livingston & Lieberman).*

Des. 102,338, D. E. Schwab, Combined bracelet and kerchief, D. C., S. D. N. Y., Doc. E 85/319, *D. E. Schwab & Co., Inc.,* v. *Sydnavey Co., Inc.* Consent decree for plaintiff (notice Oct. 5, 1937).

Des. 105,900, B. Salzberg, Dress, filed Sept. 29, 1937, D. C., S. D. N. Y., Doc. E 85/340, *Metropolitan Button Works, Inc.,* v. *W. A. Devendor (American Brass & Steel Products Co.).*

Des. 105,923, D. Rosenthal, Dress, filed Oct. 5, 1937, D. C., S. D. N. Y., Doc. E 85/345, *Rosenthal & Kalman Co., Inc.,* v. *Golden Ray Dress Co., Inc.*

Des. 105,982, E. Cutler, Dress, filed Oct. 1, 1937, D. C., S. D. N. Y., Doc. E 85/342, *Lee Claire Costumes, Inc.,* v. *J. Annunziata et al. (Adeline Modes).*

T. M. 314,977, N. Y. Knitting Mills, Inc., Sweater and bathing suit; T. M. 326,209, same, Hosiery, gloves, scarves, etc.; T. M. 326,963, same, Knitted fabric; T. M. 326,961, same, Yarn made of a mixture of wool and animal hair, filed Sept. 20, 1937, D. C., N. D. Ill., E. Div., Doc. 15778, *N. Y. Knitting Mills, Inc.,* v. *Lord's Inc.*

T. M. 326,209. (See T. M. 314,977.)

T. M. 326,961. (See T. M. 314,977.)

T. M. 326,963. (See T. M. 314,977.)

Changes in Classification

Order No. 3,413, December 1, 1937, directs:

In *class 12, Boot and Shoe Making* (Division 11), establish the following subclasses and definitions:

Sole machines

41.1 Pliabilizing soles in a shoe.
41.2 Pliabilizing soles
41.3 With fluid treatment.

Formers

129.4 Heated.

41.1. Means for flexing or making the shoe sole in a shoe pliable.

41.2. The shoe sole per se as an article or as a sole strip is flexed or otherwise made pliable.

41.3. Means under subclass 41.2 in which the sole is treated with a moistening fluid, generally a liquid, while being flexed.

Note.—For analogous art for coating, see class 91, COATING, subclass 17.

129.4. Formers under subclass 128 provided with heating means.

The patents contained in subclasses 41.1, 41.2, and 129.4 have been taken for the most part from various subclasses in class 12, and those in subclass 41.3 for the most part from class 91, Coating, subclass 17.

In *class 91, Coating* (Division 46), subclass 17, add to the definition the following note:

Note.—For moistening and flexing soles and sole material, see class 12, BOOT AND SHOE MAKING, subclass 41.3.

In *class 234, Recorders* (Division 41), abolish the following subclass with its definition:

34 Volume.

The patents formerly contained in this subclass have been placed for the most part in class 234, principally in subclass 2, and in class 221, Dispensing, subclass 95, and indented subclasses.

In *class 257, Heat Exchange* (Division 32), subclass 261, add to the definition the following note:

(3) Note.—For general cylinder construction see class 309, MACHINE ELEMENTS, CYLINDERS AND PISTONS, subclass 2, and for making cylinders see class 29, METAL WORKING, subclass 156.4.

In *class 195, Chemistry, Fermentation* (Division 63), in note (1) following the main class definition cancel the words "including fermentation along with other steps", and substitute therefor: *that include fermentations and are,* and cancel the word "combined"; add to the class definition the following note:

(2b) Note.—Processes of making chemical compounds that include fermentations are controlling for classification over other processes of making chemical compounds. Claims for chemical compounds are controlling for classification over claims for processes of making the compounds, respectively;

change the title of subclass 29 to read:

Ultimate processes or products

29 Proteins or amines, fermentation of,

cancel the word "hydrolytic" in the definition, and at the end of the definition add the following:

excluding processes which include mere oxidative, or reductive, fermentations but do not include any other kind of fermentation.

In *class 309, Machine Elements, Cylinders and Pistons* (Division 12), following the definition of subclass 2, number the existing note (1) and add the following note:

(2) Note.—For cylinders having means to dissipate heat, see class 257, HEAT EXCHANGE, subclass 261. For method of making cylinders, see class 29, METAL WORKING, subclass 156.4, and class 22, METAL FOUNDING.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 14, 1937

[VOL. 485. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 397,913. CAMILLE J. ROCQUIN, doing business as Wild Rose Nursery, New Orleans, La. Filed Sept. 28, 1937.

Creole

For Prepared Soil Including Peat Soil and Only a Small Amount of Fertilizing Constituent and Usable Both Alone and in Admixture with Other Soils, Principally for Improving the Texture Thereof and Having Only a Small Fertilizing Value.

Claims use since July 9, 1937.

Ser. No. 398,393. EASTERN COAL CORPORATION, Bluefield, W. Va. Filed Oct. 12, 1937.

RED ROBIN

For Bituminous Coals.

Claims use since Sept. 14, 1937.

Ser. No. 398,769. GEORGIA KAOLIN COMPANY, Elizabeth, N. J. Filed Oct. 21, 1937.

PIONEER

For Clay Used in the Manufacture of Ceramic Wares.

Claims use since Sept. 10, 1937.

CLASS 2

Receptacles

Ser. No. 397,445. K-NINE DINER CORPORATION, Cleveland, Ohio. Filed Sept. 15, 1937.

K-NINE DINER

The drawing is lined for red.

For Trays, Troughs, Receptacles, Dishes, Food Containers, Feeding Devices and Food Supporting Means for Feeding Animals, Beasts, and Fowl.

Claims use since June 21, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 396,367. SOL MUTTERPERL, INC., New York, N. Y. Filed Aug. 13, 1937.

DEBU-TEEN

For Ladies' Handbags of Imitation Leather.

Claims use since Aug. 9, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 389,697. ROUX LABORATORIES, INC., New York, N. Y. Filed Mar. 5, 1937.



The word "Roux" is disclaimed apart from the mark.

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hair Rinses, Eyelash and Eyebrow Tint, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Dusting Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Shampoo Tint, Hair Dyes, Dye Solvent, Hair Dressing, Brilliantine, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since February, 1933.

Ser. No. 389,769. ANGEL PRODUCTS, INC., New York, N. Y. Filed Mar. 8, 1937.



MIR-A-DUR

ANGEL PRODUCTS INC.

For Cosmetics—Namely, Hand and Face Creams and Lotions, Face Packs, Skin and Hair Tonics, Nail Polish, Nail and Cuticle Cream, and Lotions.

Claims use since Feb. 17, 1937.

Ser. No. 390,632. CUTTER LABORATORIES, Berkeley, Calif. Filed Mar. 29, 1937.

Blacklegol

For Antigen for the Prevention of Blackleg in Cattle.

Claims use since February, 1934.

Ser. No. 390,633. CUTTER LABORATORIES, Berkeley, Calif. Filed Mar. 29, 1937.

CHARBONOL

For Antigen for the Prevention of Anthrax in Livestock.

Claims use since March, 1935.

Ser. No. 390,634. CUTTER LABORATORIES, Berkeley, Calif. Filed Mar. 29, 1937.

GONADIN

For Gonadotropic Hormone from the Serum of Pregnant Mares To Be Used to Stimulate the Sex Organs of Both Males and Females of All Species to Their Normal Function.

Claims use since August, 1936.

Ser. No. 390,637. CUTTER LABORATORIES, Berkeley, Calif. Filed Mar. 29, 1937.

STER-ALLANT

For Solution for the Treatment of Wounds.

Claims use since January, 1937.

Ser. No. 390,825. INEZ GILBERT VICKERY, Chicago, Ill. Filed Apr. 1, 1937.

Vickerie

For Lotions and Cosmetics—Namely, Cleansing Emulsion, Skin Freshener, Cucumber Emulsion, Stimulating Emulsion, Facial Oil; Rouges, Dry and Cream; Lipstick; Cholesterinol, a Cream with a Base of Cholesterine; Shampoos, Scalp Emulsion, Face Powder, Perfume Powder.

Claims use since Jan. 2, 1937.

Ser. No. 396,236. THE PAN-AMERICAN COLOR & CHEMICAL CO., INC., Paterson, N. J. Filed Aug. 10, 1937.

PAN-AMERICAN COLOR & CHEMICAL CO. INC. DYES CHEMICALS

The words "Chemicals" and "Dyes" are disclaimed apart from the mark.

For Dyes and Chemicals—Namely, Benzo Naphthoic Acid, Beta Naphthol, Acetic Acid, Sulphuric Acid, and Formic Acid.

Claims use since Apr. 15, 1937.

Ser. No. 396,743. CHARLES H. MATSON, New York, N. Y. Filed Aug. 25, 1937.

RUBFO

The drawing is lined for red.

For Preparation for Congestion and Inflammation, Colds in Head and Chest, Spasmodic Croup, Whooping Cough, Chronic Cough, Bronchitis, Nasal Catarrh, Asthma, Tonsilitis, Hay Fever, Sore Throat, Pleurisy, Rheumatism, Neuralgia, Headache, Bruises, Burns, Sore and Perspiring Feet, Sprains, Insect Bites and Stings, Wounds, Cuts, Hemorrhoids (Piles), Stiff Joints, Cold Sores, Stiff Neck, Earache, Corns and Callouses, Toothache, Insect Repellent, Eczema, Sunburns, Boils, Carbuncles, Hair Dressing and Tonic for Removal of Dandruff, Sore and Chapped Hands, Face, and Scalp.

Claims use since June 27, 1937.

Ser. No. 396,986. GEORGE GAMBLE, doing business as Belleyea Laboratories, Boston, Mass. Filed Sept. 1, 1937.

Belleyea

For Compacts Containing Facial Cosmetic Cleansing Pads or Cleansing Wafers.

Claims use since May, 1937.

Ser. No. 397,159. WALGREEN CO., doing business as Valentine Laboratories, Inc., Chicago, Ill. Filed Sept. 4, 1937.

CERADYNE

For Anti-Pain Tablet.

Claims use since July, 1937.

Ser. No. 397,204. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif. Filed Sept. 7, 1937.

LAY-AN-GROW

For Vitamin Potent Concentrate for Use in Supplying Nutrition and Vitamin Elements.

Claims use since Aug. 27, 1937.

Ser. No. 397,205. VAN CAMP SEA FOOD CO., INC., Terminal Island, Calif. Filed Sept. 7, 1937.

SEA-PEP

For Vitamin Potent Concentrate for Use in Supplying Nutrition and Vitamin Elements.

Claims use since Aug. 27, 1937.

Ser. No. 397,301. THOMAS A. J. ROCCHIO, doing business as Arex Pharmaceutical Co., New York, N. Y. Filed Sept. 10, 1937.

℞ 7181

The prescription character is disclaimed apart from the mark.

For Cough Medicine.

Claims use since 1929.

Ser. No. 397,306. EDWARD A. SHARP, JR., doing business as Marvellash Company, Chicago, Ill. Filed Sept. 10, 1937.

Marvellash

For Eyelash Darkener.

Claims use since June 5, 1932.

Ser. No. 398,537. HELEN JACOBS GREEN, Akron, Ohio. Filed Oct. 15, 1937.

ANTHO-MELIO

For Beauty Cream, Cosmetic Lotion, Cosmetic Oil, Lipstick, Mascara, Rouge and Powder Compacts, Face and Bath Powder, Facial Packs, and Externally Applicable Cosmetic and Therapeutic Salves.

Claims use since May 15, 1937.

Ser. No. 398,551. ABBOTT LABORATORIES, North Chicago, Ill. Filed Oct. 16, 1937.

VITA-KAPS

For Capsules Containing Fish Liver Oil Fortified with Natural Vitamin D, Brewer's Yeast Concentrate, and Pure Vitamin C.

Claims use since August, 1936.

Ser. No. 399,358. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Nov. 5, 1937.

CAL-C-TOSE

For Pharmaceutical Preparation Rich in Vitamins and Calcium and Intended for Use as a Nutritive Tonic.
Claims use since Oct. 15, 1937.

CLASS 7

Cordage

Ser. No. 392,918. DRAKE SUPPLY CO., Los Angeles, Calif. Filed May 18, 1937.

BRACO

For Wire Rope.
Claims use since Sept. 1, 1936.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 393,225. MCDONALD PRODUCTS CORPORATION, Buffalo, N. Y. Filed May 25, 1937.

DUK-IT

For Ash Trays and Receptacles, Smoking Stands for Use on Tables and the Like, Cigarette, Cigar, and Tobacco Humidors, Trays, and Holders, and Pipe Racks.
Claims use since June 26, 1934.

CLASS 9

Explosives, Firearms, Equipments, and Projectiles

Ser. No. 399,258. UNEXCELLED MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 2, 1937.

Buck A-Roo

For Firecrackers.
Claims use since Sept. 1, 1937.

Ser. No. 399,259. UNEXCELLED MANUFACTURING CO., INC., New York, N. Y. Filed Nov. 2, 1937.

THOROBRED

For Firecrackers.
Claims use since Sept. 1, 1937.

CLASS 11

Inks and Inking Materials

Ser. No. 399,544. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Euclid Village, Cleveland, Ohio. Filed Nov. 10, 1937.

DupliMAT

For Writing Fluid.
Claims use since October, 1937.

CLASS 12

Construction Materials

Ser. No. 395,377. THE CELOTEX CORPORATION, Chicago, Ill. Filed July 19, 1937.

CALICEL

For Structural Wall Surfacing Sound Absorbing and Decorative Materials Composed Primarily of Porous Expanded Mineral Aggregate with Suitable Binder.
Claims use since May 28, 1937.

Ser. No. 397,662. ERNEST R. HEEREN, doing business as Roxseal Company, Long Island City, N. Y. Filed Sept. 22, 1937.

ROXSEAL

For Mastic for Use as a Surfacing Material or as a Patching Material.
Claims use since Jan. 29, 1937.

Ser. No. 398,452. DRIWOOD CORPORATION, New York, N. Y. Filed Oct. 15, 1937.

WALL OF SILENCE

For Partitions, Doors, Wood Molding, and Wood Trim.
Claims use since Jan. 1, 1935.

Ser. No. 398,636. PORTER SCREEN COMPANY, Winooski, Vt. Filed Oct. 18, 1937.

Filtair

For Window Screens.
Claims use since Oct. 8, 1937.

Ser. No. 398,697. E. C. ANDREWS COMPANY, Cleveland, Ohio. Filed Oct. 20, 1937.

BUNGALETTE

For Porch Enclosures and Prefabricated Building Structures.
Claims use since Oct. 1, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 390,213. IDEAL FASTENER CORPORATION, New York, N. Y. Filed Mar. 18, 1937.

JEWEL

For Slide Fastener Assemblies.
Claims use since June 8, 1936.

Ser. No. 397,326. CHAMPION LABORATORIES INC., Meriden, Conn. Filed Sept. 11, 1937.

LUCKY "7"

For Key Chains and Key Rings.
Claims use since May 3, 1937.

Ser. No. 398,195. EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Oct. 6, 1937.

GRIPIT

For Lock Washers.
Claims use since July, 1934.

Ser. No. 398,554. CHISHOLM-RYDER CO., INC., Niagara Falls, N. Y. Filed Oct. 16, 1937.

PREMAX

For House Numbers and Letters and Lawn Sprinklers.
Claims use since Apr. 1, 1933.

CLASS 15

Oils and Greases

Ser. No. 393,459. JOHN ALEXANDER WAER, Los Angeles, Calif. Filed May 29, 1937.



The words "Motor" and "Special V Motor Oil" are disclaimed. The drawing is lined for red.
For Canned Oils and Greases for Automobiles.
Claims use since May 25, 1937.

Ser. No. 396,584. UNIVERSAL MOTOR OILS CO., INC., Wichita, Kans. Filed Aug. 19, 1937.

OILOY

For Lubricating Oils, Lubricating Greases and Motor Fuel Oil, and Gasoline.
Claims use since July 27, 1937.

Ser. No. 398,353. LOUIS M. GOLDMAN, doing business as Lou Bob Company, Chicago, Ill. Filed Oct. 11, 1937.

NINE POINT

For Lubricating Oils.
Claims use since July 24, 1937.

Ser. No. 399,354. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Nov. 5, 1937.

Superflo

For Lubricating Oils and Greases.
Claims use since July 1, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 385,954. F. WEBER CO., Philadelphia, Pa. Filed Nov. 24, 1936.

SCHOOL ART

For Oil Colors, Water Colors, Paints in the Ready-Mixed, Paste, and Powder Form, Tempera, Pastel, and Artists' Colors.
Claims use since Aug. 20, 1935.

Ser. No. 397,000. HERMAN H. VAN DULAT, doing business as Pervo Company, Los Angeles, Calif. Filed Sept. 1, 1937.



The drawing is lined for blue. The words "Holland Dutch" are disclaimed apart from the mark.

For Penetrating Paint Paste for Use on Stucco, Concrete, Brick, Stone, Building Tile, Hollow Tile, and Other Masonry Surfaces.

Claims use since Sept. 5, 1923.

Ser. No. 397,174. THE BARRETT COMPANY, New York, N. Y. Filed Sept. 7, 1937. Under section 5b of the act of 1905 as amended in 1920.

Barrett

For Stains, Ready Mixed Paints, and Paint Thinners. Claims use since 1906.

Ser. No. 397,836. GEORGE E. BENNETT, doing business as E. W. Bennett & Co., San Francisco, Calif. Filed Sept. 27, 1937.

REDIGLOW

For Polish Having Incidental Cleaning Properties for Painted, Lacquered, Varnished, and Enameled Surfaces. Claims use since Aug. 23, 1937.

Ser. No. 398,428. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa. Filed Oct. 13, 1937.

f77

For Wax or Similar Preservative and Protective Compositions for Applying Finishing Coatings to Real or Imitation Leather and Rubber.

Claims use since January, 1934.

Ser. No. 398,623. I. F. LAUCKS, INC., Seattle, Wash. Filed Oct. 18, 1937.

PlasteRez

For Wall Coating Material in Liquid, Paste, or Powder Form, i. e., a Wall Coating Material in the Nature of a Heavy Bodied Paint Capable of Being Applied with a Brush and When Applied Providing a Textured Appearance.

Claims use since Oct. 5, 1937.

Ser. No. 398,624. I. F. LAUCKS, INC., Seattle, Wash. Filed Oct. 18, 1937.

PLASTERITE

For Wall Coating Material in Liquid, Paste, or Powder Form, i. e., a Wall Coating Material in the Nature of a Heavy Bodied Paint Capable of Being Applied with a Brush and When Applied Providing a Textured Appearance.

Claims use since Oct. 5, 1937.

CLASS 17

Tobacco Products

Ser. No. 398,312. GARCIA GRANDE CIGARS, INCORPORATED, New York, N. Y. Filed Oct. 9, 1937.



No claim is made to the words "Just Mild Enough", "New", "Ever-Fresh Wrap", and "This New Scientific Wrap Guarantees to Preserve Freshness, Natural Flavor and Aroma Longer than Any Other Wrapping".

The drawing is lined for red and silver.

For Cigars.

Claims use since Apr. 23, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 394,404. DIVINE BROTHERS COMPANY, Utica, N. Y. Filed June 23, 1937.

LOWATE

For Truck Casters.

Claims use since Dec. 7, 1936.

Ser. No. 398,105. HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed Oct. 4, 1937.



For Passenger Automobiles.

Claims use since Aug. 19, 1937.

Ser. No. 398,106. HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed Oct. 4, 1937.



For Passenger Automobiles.

Claims use since Aug. 19, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 356,842. HYGRADE SYLVANIA CORPORATION, Salem, Mass. Filed Oct. 6, 1934.

Sylvania

For Radio Transmitting Tubes; Power Amplifier Tubes; Light-Sensitive Cells; Space Discharge Tubes for Special Purposes; Radio Transmitting Sets; Radio Receiver Sets for Special Purposes; Electrical Speech and Audio Amplifiers; Automatic Control Devices, Such as Speed Controls, Remote Controls and the Like Employing Space Discharge Tubes; and Component Parts for Each of the Foregoing.

Claims use since September, 1933.

Ser. No. 394,650. SOUND PRODUCTS, Hollywood, Calif. Filed June 26, 1937.



The words "Sound Products" are disclaimed apart from the mark.

For Communication Equipment.

Claims use since January, 1937.

Ser. No. 396,043. RADIO LABORATORIES, INC., Seattle, Wash. Filed Aug. 5, 1937.

Intervox

For Office Inter-Communicating Telephone Radio, or the like.

Claims use since Jan. 7, 1937.

Ser. No. 397,110. EAGLE SIGNAL CORPORATION, Moline, Ill. Filed Sept. 4, 1937.



For Intermittently Operated, Electrically Energized, Traffic Signals, Electrically Operated Signal Controllers, Electric Sign Flashers, and Industrial Timing Devices for Controlling Electric Circuits.

Claims use since Jan. 23, 1935.

Ser. No. 397,700. MAXWELL M. BILOFSKY, New York, N. Y. Filed Sept. 23, 1937.

DURO-TONE

The word "Tone" is disclaimed apart from the mark.

For Radio Tubes.

Claims use since Sept. 8, 1937.

Ser. No. 398,694. THE S. H. THOMSON MFG. COMPANY, Dayton, Ohio. Filed Oct. 19, 1937.

CRUISER

For Electric Spot Lights for Vehicles.
Claims use since Mar. 8, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 398,261. DON W. ROSE, Cooperstown, N. Y. Filed Oct. 7, 1937.

LEATHER STOCKING

For Fishing Spoons and Lures.
Claims use since Sept. 13, 1937.

Ser. No. 398,354. CARL L. HARRY, Mount Healthy, Ohio. Filed Oct. 11, 1937.

OUT-O-DOOR

The words "Out" and "Door" are disclaimed apart from the mark.
For Bowling Alley.
Claims use since Mar. 1, 1937.

Ser. No. 398,531. EYERLY AIRCRAFT CORP., Salem, Oreg. Filed Oct. 15, 1937.

LOOP "O" PLANE

The word "Plane" is disclaimed apart from the mark.
For Stationary, Mechanically-Operated Airplane Amusement Devices.
Claims use since June 1, 1933.

Ser. No. 398,546. BERRY PINK, INC., New York, N. Y. Filed Oct. 15, 1937.

MARBLE KING

The word "Marble" is disclaimed apart from the mark.
For Marbles.
Claims use since July 1, 1937.

Ser. No. 398,573. JOHN M. HERBERT, doing business as Herbert Manufacturing Co., Shreveport, La. Filed Oct. 16, 1937.

HERB'S Dilly

For Artificial Fishing Bait.
Claims use since April, 1935.

Ser. No. 399,404. THE EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Nov. 6, 1937.

TALLY-HO

For Coin-Controlled Amusement Apparatus.
Claims use since July 30, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 393,999. NATIONAL SILVER COMPANY, New York, N. Y. Filed June 12, 1937.

PERMA-BRITE

The word "Brite" is disclaimed apart from the mark.
For Plated and Unplated Base Alloy Tableware—Namely, Spoons, Knives, and Forks.
Claims use since June 1, 1930.

Ser. No. 396,719. INGERSOLL-RAND COMPANY, New York, N. Y. Filed Aug. 24, 1937.

STOPEHAMER

For Air-Feed Hammer-Drills.
Claims use since Oct. 22, 1915.

Ser. No. 397,649. ELECTRIC RAZOR CORPORATION, Chicago, Ill. Filed Sept. 22, 1937.

LIFE-SHAVER
Electric Dry Shaver

The words "Shaver" and "Electric Dry Shaver" are disclaimed apart from the mark.
For Electric Dry Shavers.
Claims use since Aug. 1, 1937.

Ser. No. 398,579. INDESTRO MANUFACTURING CORP., Chicago, Ill. Filed Oct. 16, 1937.

PEE WEE

For Wrench Socket Kits.
Claims use since Sept. 30, 1937.

Ser. No. 398,582. THE MASSEY-HARRIS COMPANY, Racine, Wis. Filed Oct. 16, 1937.

DOUBLE-DUTY

For Farm Tractors and Parts Thereof.
Claims use since Sept. 17, 1937.

Ser. No. 398,660. THE BILLINGS & SPENCER COMPANY, Hartford, Conn. Filed Oct. 19, 1937.

VITALLOY

For Wrenches.
Claims use since Oct. 5, 1937.

CLASS 24

Laundry Appliances and Machines

Ser. No. 395,586. METAL GLASS PRODUCTS COMPANY, Belding, Mich. Filed July 23, 1937.

SAN-I-SYSTEM

The word "System" is disclaimed apart from the mark shown.
For Dry Cleaning Machines.
Claims use since Jan. 1, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 390,675. THE SHEFFIELD GAGE CORPORATION, Dayton, Ohio. Filed Mar. 29, 1937.



For Gaging and Measuring Devices—Namely, Thread Gages, Snap Gages, Plug and Ring Gages, Lead Checking Instruments, Visual and Electrical Gages, Splined and Serration Gages, Adjustable Length Gages, Taper Gages, Special Gages, and Industrial and Parts Measuring and Gaging Instruments Generally.
Claims use since April, 1916.

Ser. No. 397,949. THE MINICAM COMPANY, Los Angeles, Calif. Filed Sept. 29, 1937.

minicam

For Envelopes or Files for Negative Photographic Film and the Like.
Claims use since February, 1937.

Ser. No. 398,615. CLARENCE V. ELLIOTT, Los Angeles, Calif. Filed Oct. 18, 1937.

CARBUMETER

For Instruments for Exhaust Gas Analysis.
Claims use since June 24, 1937.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 399,108. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Oct. 29, 1937.

BRISK

For Tooth Brushes.
Claims use since Sept. 23, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 390,888. ST. CHARLES MANUFACTURING CO., St. Charles, Ill. Filed Apr. 3, 1937.

UNI-BILT

The word "Bilt" is disclaimed apart from the mark.
For Kitchen Cabinets and Kitchen Cabinet Units.
Claims use since Feb. 13, 1937.

CLASS 33

Glassware

Ser. No. 397,959. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Sept. 29, 1937.

CROWN

For Glass Jars.
Claims use since Aug. 10, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 395,775. UTILITY FAN & MANUFACTURING COMPANY, Los Angeles, Calif. Filed July 29, 1937.



The word "Kooler" is disclaimed apart from the mark.
For Ventilating, Cooling, and Air Conditioning Unit of a Power Operated Type.
Claims use since June 1, 1935.

Ser. No. 398,263. SHERWOOD BROTHERS INCORPORATED, Baltimore, Md. Filed Oct. 7, 1937.

Chrome Flame

For Oil Burners.
Claims use since Aug. 31, 1937.

Ser. No. 398,264. SHERWOOD BROTHERS INCORPORATED, Baltimore, Md. Filed Oct. 7, 1937.

Magic Therm

For Oil Burners.
Claims use since Aug. 31, 1937.

Ser. No. 398,496. SALMANSON & CO. INC., New York, N. Y. Filed Oct. 14, 1937.

ARISTOCRAT

For Radiator Shields and Window Ventilators of the Type Comprising a Deflector Plate Between End Mounting Brackets.
Claims use since July, 1932, and July, 1936, respectively.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 396,689. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England. Filed Aug. 23, 1937.



For Sealing Rings and Gland Rings in the Nature of Piston Rings or Packing Rings for Shafts Made Wholly or Principally of Carbon.
Claims use since Oct. 31, 1936.

Ser. No. 396,690. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England. Filed Aug. 23, 1937.

MORGANITE

For Sealing Rings and Gland Rings in the Nature of Piston Rings or Packing Rings for Shafts Made Wholly or Principally of Carbon.
Claims use since Oct. 31, 1936.

Ser. No. 396,868. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1937.



No claim is made to the representation of the ring apart from the remainder of the mark.
For Jar Sealing Rings.
Claims use since Aug. 13, 1937.

CLASS 36

Musical Instruments and Supplies

Ser. No. 395,159. LOUIS SORKIN, doing business as Sorkin Music Company, New York, N. Y. Filed July 12, 1937.

TOSELLI

The mark is the name of Enrico Toselli, pianist and composer, deceased.
For Piano Accordions, Vienna Model Accordions, Stop Accordions, and Concertinas.
Claims use since July, 1936.

Ser. No. 397,847. WM. R. GRATZ IMPORT CO., New York, N. Y. Filed Sept. 27, 1937. Under 10-year proviso.

V. KOHLERT SONS

For Wood Wind and Metal Wind Instruments Such as Clarinets, Alto Clarinets, Bass Clarinets, Flutes, Piccolos, English Horns, Oboes, Saxophones, and Bassoons.
Claims use since 1886.

Ser. No. 398,560. C. G. CONN, LTD., Elkhart, Ind. Filed Oct. 16, 1937,

CHOICE OF THE ARTISTS

For Cornets, Trumpets, Fluegelhorns, French Horns, Trombones, Euphoniums, Baritones, Basses, Sousaphones, Alto Horns, Mellophones, Saxophones, Clarinets, Flutes, Piccolos, Sarrusophones, Bassoons, Oboes, and Bugles and Accessories Therefor.
Claims use since Oct. 1, 1919.

Ser. No. 398,561. C. G. CONN, LTD., Elkhart, Ind. Filed Oct. 16, 1937.

CHOICE OF THE CHAMPIONS

For Cornets, Trumpets, Fluegelhorns, French Horns, Trombones, Euphoniums, Baritones, Basses, Sousaphones, Alto Horns, Mellophones, Saxophones, Clarinets, Flutes, Piccolos, Sarrusophones, Bassoons, Oboes, and Bugles and Accessories Therefor.
Claims use since May 25, 1937.

Ser. No. 398,562. C. G. CONN, LTD., Elkhart, Ind. Filed Oct. 16, 1937.



For Cornets, Trumpets, Fluegelhorns, French Horns, Trombones, Euphoniums, Baritones, Basses, Sousaphones, Alto Horns, Mellophones, Saxophones, Clarinets, Flutes, Piccolos, Sarrusophones, Bassoons, Oboes, and Bugles and Accessories Therefor.
Claims use since June 16, 1937.

Ser. No. 398,563. C. G. CONN, LTD., Elkhart, Ind. Filed Oct. 16, 1937.

CONTINENTAL

For Cornets, Trumpets, Fluegelhorns, French Horns, Trombones, Euphoniums, Baritones, Basses, Sousaphones, Alto Horns, Mellophones, Saxophones, Clarinets, Flutes, Piccolos, Sarrusophones, Bassoons, Oboes, and Bugles, and Accessories Therefor.
Claims use since June 16, 1937.

CLASS 37

Paper and Stationery

Ser. No. 396,801. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Aug. 27, 1937.

SUPRATHIN

For Wood-Cased Lead Pencils.
Claims use since Aug. 2, 1937.

Ser. No. 397,950. PEJEPSCOT PAPER COMPANY, Brunswick, Maine. Filed Sept. 29, 1937.



The word "Maine" is disclaimed apart from the mark.
For Paper—to Wit, Newsprint Paper, Writing Paper, and Wrapping Paper, Whether Plain, Colored, or Figured.
Claims use since May 1, 1916.

Ser. No. 398,424. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 13, 1937.

MIMEOGRAPH

For Cushion Sheets Used in Preparation of Stencils.
Claims use since April, 1934.

Ser. No. 398,760. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 21, 1937.

MIMEOGRAPH

For Interleaving Blotters and Separators.
Claims use since August, 1927.

CLASS 38

Prints and Publications

Ser. No. 333,213. AUTOMOBILE MUTUAL INSURANCE COMPANY OF AMERICA, Providence, R. I. Filed Dec. 17, 1932.

AMICA

For Serial Publication Published From Time to Time.
Claims use since February, 1911.

Ser. No. 394,128. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio. Filed June 16, 1937.



No claim is made to the wording "Lithographic Merit" or to the map of North America apart from the mark.
For Prints, Lithographs, Posters, and Lithographic Productions.
Claims use since July 1, 1927.

Ser. No. 395,500. CONGRATULATIONS, INC., New York, N. Y. Filed July 19, 1937.

Congratulations

For Magazines and Periodicals.
Claims use since Nov. 30, 1936.

Ser. No. 397,267. PUBLIC RELATIONS, INC., New York, N. Y. Filed Sept. 9, 1937.

THE MAGAZINE OF HUMAN RELATIONS IN BUSINESS

PUBLIC RELATIONS

The words "The Magazine of Human Relations in Business" are disclaimed apart from the mark.
For Periodical.
Claims use since August, 1936.

Ser. No. 397,699. B & B SERVICE CORPORATION, Chicago, Ill. Filed Sept. 23, 1937.

SMMS

For Annual Publication Relating to Periodicals and Their Advertising Rates.
Claims use since 1936.

Ser. No. 397,870. RANDOM HOUSE, INC., New York, N. Y. Filed Sept. 27, 1937.

LIBRARY OF THE WORLD'S GREAT THINKERS

For Series of Books Published from Time to Time.
Claims use since Sept. 15, 1937.

Ser. No. 398,139. HEARST PUBLICATIONS, INCORPORATED, San Francisco, Calif. Filed Oct. 4, 1937.

THE CINEMAID

For Column Published in its Daily Newspaper.
Claims use since June 18, 1935.

CLASS 39

Clothing

Ser. No. 379,098. JOHNSON-STEPHENS & SHINKLE SHOE COMPANY, St. Louis, Mo. Filed June 1, 1936.

C Rhythm Step A

B

Applicant disclaims the letters A, B, and C, and the three dots on which they appear when disassociated from each other.
For Shoes of Leather, or a Combination of Leather, Rubber, or Fabric.
Claims use since Apr. 30, 1936.

Ser. No. 385,857. PARAMOUNT SHOE MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 21, 1936.

PSM

For Shoes of Leather or a Combination of Leather, Rubber, or Fabric.
Claims use since May 20, 1936.

Ser. No. 388,323. JACOB H. LEVY, Cleveland, Ohio. Filed Jan. 29, 1937.

Banner Brand

The word "Brand" is disclaimed apart from the mark.
For Men's Overalls, Jumpers, Overall-Coats, and Children's Play Suits.
Claims use since July 1, 1904.

Ser. No. 392,247. WEST COAST-MANCHESTER MILLS, INC., Los Angeles, Calif. Filed May 3, 1937.

MATLETEX

For Men's, Women's, and Children's Garments—Namely, Swimming Suits, Sweaters, Dresses, Hosiery, Underwear, Hats, Caps, Suits, Pajamas, and Fabric Gloves.
Claims use since Mar. 30, 1937.

Ser. No. 394,844. LEVEL HAT CO. INC., South Norwalk, Conn. Filed July 3, 1937.

ARDSLEIGH
FIFTH AVENUE
NEW YORK

The words "Fifth Avenue", "New York", and "Medal" are claimed only in association with the other features of the mark.
For Men's Hats.
Claims use since Mar. 12, 1935.

Ser. No. 396,424. THE SLICKETTE MANUFACTURING COMPANY, Toronto, Ontario, Canada. Filed Aug. 14, 1937.

Slickette WATERPROOF

The word "Waterproof" is disclaimed except as shown.
For Rainproof Apparel—Namely, Rain Capes and Head Covers Made of Waterproof Paper.
Claims use since July 14, 1937.

Ser. No. 396,492. THE COWARD SHOE INC., New York, N. Y. Filed Aug. 17, 1937.

SPOONED ARCH

The expression "Spooned-Arch" is disclaimed apart from the mark.
For Leather Shoes.
Claims use since Aug. 2, 1937.

Ser. No. 396,578. RHEA MANUFACTURING COMPANY, Milwaukee, Wis. Filed Aug. 19, 1937.

Joan Miller

The trade-mark is a facsimile signature of Joan Miller, a living individual.
For Women's, Misses', and Children's Dresses, Smocks, and Housecoats of Cotton, Silk, Artificial Fibers, and Combinations of Aforesaid Materials.
Claims use since Aug. 1, 1937.

Ser. No. 396,742. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Aug. 25, 1937.

MANSHIRT

No claim is made to the word "Man" per se or to the word "Shirt" per se.
For Outer Shirts.
Claims use since Aug. 15, 1937.

Ser. No. 397,002. WAUNETTA PICKENS, North Hollywood, Calif. Filed Sept. 1, 1937.

"Waunetta"

For Corsets.
Claims use since February, 1937.

Ser. No. 397,056. SLOTE & KLEIN, INC., New York, N. Y. Filed Sept. 2, 1937.

Criterion

For Belts Made of Leather, Fabric, and Metal for Men, Women, and Children.
Claims use since Feb. 1, 1931.

Ser. No. 397,099. THE H. J. JUSTIN AND SONS INC., Fort Worth, Tex. Filed Sept. 7, 1937.

Dogies

For Leather Shoes.
Claims use since 1923.

Ser. No. 397,156. STANDARD GARMENT CO. INC., New York, N. Y. Filed Sept. 4, 1937.

GINGER – SNAP

For Ladies' and Children's Dresses, Outer-Skirts, Blouses, Suits, Coats, Capes, Aprons, Culottes, Uniforms for Nurses, Cooks, Maids, Waitresses, Manicurists, Demonstrators, Beauticians and House Use, Underwear, Slips, Pajamas, Negligees, Panties, Nightgowns, Under-Vests, Bloomers, Brassières, Union-Suits, and House Coats.
Claims use since Aug. 16, 1937.

Ser. No. 397,248. B. GERTZ, INC., Jamaica, N. Y. Filed Sept. 9, 1937.

Gerbrooke

G

GERTZ Jamaica

Applicant disclaims the surname "Gertz" and the word "Jamaica" apart from the association shown.
For Men's and Boys' Suits, Overcoats, Topcoats, Raincoats, Wool and Part Wool, and Leather Jackets and Coats, Trousers, Shoes Made of Leather, Fabric and Rubber, and Combinations Thereof, Rubber Overshoes, Galoshes, Negligee, Dress and Work Shirts, Neckties, Union Suits, Undershirts, Underdrawers, Pajamas, Hosiery, Sweaters, Bathrobes, Hats, Gloves Made of Leather, Fabric, and Combinations Thereof, and Mufflers.
Claims use since Aug. 25, 1937.

Ser. No. 397,249. B. GERTZ, INC., Jamaica, N. Y. Filed Sept. 9, 1937.

Guild Park

GERTZ Jamaica

Applicant disclaims the surname "Gertz" and the word "Jamaica" apart from the association shown.

For Men's and Boys' Suits, Overcoats, Topcoats, Raincoats, Wool and Part Wool, and Leather Jackets and Coats, Trousers, Shoes Made of Leather, Fabric and Rubber, and Combinations Thereof, Rubber Overshoes, Galoshes, Negligee, Dress and Work Shirts, Neckties, Union Suits, Undershirts, Underdrawers, Pajamas, Hosiery, Sweaters, Bathrobes, Hats, Gloves Made of Leather, Fabric, and Combinations Thereof, and Mufflers.

Claims use since Aug. 25, 1937.

Ser. No. 397,557. SANDESS MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 18, 1937.

BEACH-LANE

For Boys' Clothing—Namely, Boys' Suits, Short Pants, Knickers, and Long Pants.

Claims use since Sept. 10, 1937.

Ser. No. 397,803. HABAND COMPANY, Paterson, N. J. Filed Sept. 25, 1937.

THE WAY MEN LIKE TO BUY ★ THE HABAND WAY ★

Applicant disclaims the legend "The Way Men Like To Buy" and the word "Way" except in association with "The Haband", separate and apart from the mark.

For Neckties, Hosiery, Mufflers, Dress, Work, and Sport Shirts, and Fabric Gloves.

Claims use since Sept. 22, 1937.

Ser. No. 397,857. T. D. MCKEEVER, Los Angeles, Calif. Filed Sept. 27, 1937.

Gabshort

For Gabardine and Other Cloth Swim Suits, Outer Shorts, Play Suits, Sun Tan Suits for Men, Women, and Children, and Women's Brassières.

Claims use since July 1, 1937.

Ser. No. 397,919. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Sept. 28, 1937.

VILLA D'ESTE

The term "D'Este" is disclaimed apart from the mark.

For Slacks, Sweat Shirts, and Sweaters.

Claims use since July 20, 1937.

Ser. No. 398,081. LOUIS BASKIND & CO., INC., New York, N. Y. Filed Oct. 4, 1937.

BEAUCAIRE

The picture is a fanciful picture of Monsieur Beaucaire, the hero of Booth Tarkington's famous story of that name.

For Dress, Negligee, and Work Shirts, and Pajamas.

Claims use since Feb. 18, 1932.

Ser. No. 398,184. WRIGHT'S UNDERWEAR CO. INC., New York, N. Y. Filed Oct. 5, 1937.

WRIGHT'S

The name "Wright's" is registered under the 10-year proviso clause in registration number 318,323 which applicant owns.

For Men's, Women's, Boys', and Children's Underwear; Pajamas, Sleeping Garments for Men, Women, and Children; Sweaters and Sportwear—Namely, Sweat Shirts, Baseball Shirts, Sport Coats, Campus Shirts, and Polo Shirts.

Claims use since Jan. 1, 1905.

Ser. No. 398,341. COHEN, GOLDMAN & CO. INC., New York, N. Y. Filed Oct. 9, 1937.

Tropi-weave

The word "Weave" is disclaimed apart from the mark.

For Men's, Boys', and Children's Outer Garments, Consisting of Coats, Vests, Pants, and Trousers.

Claims use since Dec. 16, 1935.

Ser. No. 398,504. SUPERIOR PETTICOAT COMPANY, INC., New York, N. Y. Filed Oct. 14, 1937.

Glamour Girl Slips

The word "Slips" is disclaimed apart from the mark.

For Ladies' Slips.

Claims use since Aug. 1, 1937.

Ser. No. 398,549. THE STROUSE-BAER COMPANY, INC., Baltimore, Md. Filed Oct. 15, 1937.

"HUG-IT"

For Boys' and Girls' Wear—Namely, Children's Wash Suits.

Claims use since Aug. 1, 1937.

Ser. No. 398,629. LOUIS MILLER, doing business as Louis Miller and Company, New York, N. Y. Filed Oct. 18, 1937.

KING LOUIS

For Men's Dress Shirts.

Claims use since August, 1930.

Ser. No. 398,757. JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y. Filed Oct. 21, 1937.

NORTH-TEX

For Men's Clothing—Namely, Overcoats, Topcoats, and Suits.

Claims use since Oct. 5, 1937.

Ser. No. 398,798. SAMUEL WIEDER, doing business as Universal Children's Dress Co., New York, N. Y. Filed Oct. 21, 1937.

Shag Swing

For Girls' Dresses.

Claims use since Sept. 25, 1937.

Ser. No. 398,803. CARLETON SPORTSWEAR, INC., New York, N. Y. Filed Oct. 22, 1937.

VELDONA

For Women's and Misses' Coats, Suits, Dresses, Blouses, Culottes, Playsuits, Playshorts, Slacks, Halters, and Bathing Suits.

Claims use since July 1, 1936.

Ser. No. 398,839. COSMO DRESS, INC., New York, N. Y. Filed Oct. 23, 1937.

"ROUND The TOWN"

For Women's Dresses.

Claims use since Oct. 21, 1937.

Ser. No. 398,929. ORNSTEIN, LEVY & ISRAELSON, New York, N. Y. Filed Oct. 25, 1937.

Peranna

For Women's Coats and Suits.

Claims use since Aug. 6, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 393,739. FRANK THOMAS CO., INC., Norfolk, Va. Filed June 5, 1937.

CAVALIER QUALITY

The word "Quality" is disclaimed apart from the mark.

For Naval and Service Uniform Accoutrements and Paraphernalia—Namely, Epaulets Consisting of Embroidered Insignia and/or Braid and Buttons; Braid and/or Embroidered Medallions and Insignia for Wear on the Sleeves and Caps; Chin Straps made of Gilt or Gold Braid; and Service Buttons for Wearing Apparel made of Base Metal.

Claims use since 1927.

Ser. No. 397,239. THE NORD-BUFFUM PEARL BUTTON CO., Louisiana, Mo. Filed Sept. 9, 1937.

PEARLY-O!

The word "Pearly" is disclaimed.

For Casein Plastic Buttons.

Claims use since June 1, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 398,457. BURBERRYS LIMITED, London, England. Filed Oct. 14, 1937.



For Cloths and Stuffs in the Piece made of Wool, Worsted and Hair.
Claims use since Feb. 16, 1937.

Ser. No. 398,804. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 22, 1937.

CELBREEZE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 20, 1937.

Ser. No. 398,805. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 22, 1937.

CELCOOL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 20, 1937.

Ser. No. 398,807. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 22, 1937.

SUMMERCEL

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Oct. 20, 1937.

Ser. No. 398,817. GEO. E. MALLINSON IMPORTING CO., INC., New York, N. Y. Filed Oct. 22, 1937.

BRODERA

For Rugs, Carpets, and Floor Coverings.
Claims use since July 2, 1937.

Ser. No. 398,923. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 25, 1937.

NF

For Textile Fabrics in the Piece—Namely, Silk Fabrics, Cotton Fabrics, Wool Fabrics, Rayon Fabrics, and Pile Fabrics Made of Silk and Rayon and Mixtures Thereof.
Claims use since Aug. 1, 1937.

Ser. No. 399,029. ARTHUR BEIR & CO. INC., New York, N. Y. Filed Oct. 28, 1937.

KARA-MÍA

For Piece Goods of Spun Rayon.
Claims use since Oct. 7, 1937.

Ser. No. 399,166. COMMODORE WOOLEN CO., New York, N. Y. Filed Nov. 1, 1937.

Kinkana

For Woolen Fabrics in the Piece.
Claims use since Sept. 14, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 390,006. WILLIAM O. MINOR, Atlanta, Ga. Filed Mar. 10, 1937.

ORTHOPRAKTOR

For Corrective Shoes Used as a Post-Operative Instrument in the Correction of Club-Feet.
Claims use since November, 1931.

Ser. No. 398,405. PERMATEX COMPANY, INC., Brooklyn, N. Y. Filed Oct. 12, 1937.

KONFORMAX

For Sealing Composition Used for Relining Upper False Teeth Dentures.
Claims use since Oct. 2, 1937.

Ser. No. 398,892. DEAN RUBBER MANUFACTURING COMPANY, North Kansas City, Mo. Filed Oct. 25, 1937.

RAINBOW

For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Mar. 30, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 399,154. LEROY O. SCHNEEBERGER, doing business as Bubble Up Company, St. Louis, Mo. Filed Oct. 30, 1937.



For Nonalcoholic Beverage.
Claims use since Sept. 15, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 386,035. KNAPPEN COMPANY, doing business as Knappen Milling Company, Augusta, Mich. Filed Nov. 27, 1936.

SATIN WHITE

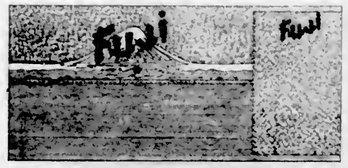
The word "White" is disclaimed apart from the mark.
For Wheat Flour and Cake Flour.
Claims use since Oct. 1, 1929, on wheat flour; and since Oct. 1, 1936, on cake flour.

Ser. No. 386,395. ARTABA FOODS, LIMITED, Long Island City, N. Y. Filed Dec. 7, 1936.

ARTABA FOODS

The word "Foods" is disclaimed apart from the mark.
For Seasoning Compounds Made Entirely of Vegetable Products and Useful in Flavoring Bouillons, Rich, Clear Gravies, and for Improving the Taste of Numerous Dishes Such as Roast and Boiled Meats, Soups, Salad Dressings, Chop Suey, Chow Mein, and Useful in the Making of Sausages and Other Smoked Meat Products.
Claims use since Oct. 9, 1936.

Ser. No. 393,981. THE FUJI TRADING COMPANY, Chicago, Ill. Filed June 12, 1937.



The drawing is lined for orange, red, blue, gold, green, and yellow.
For Chop Suey Sauce, Canned Bean Sprouts, Canned Chow Mein Noodles, Canned Chop Suey Vegetables, and Bead Molasses.
Claims use since June 7, 1937.

Ser. No. 396,017. WILLIAM C. WAUGH, doing business as Cape Cod Cooks, Middleboro, Mass. Filed Aug. 4, 1937.



The picture is fanciful. The words "Cape Cod" are disclaimed apart from the mark.
For Clam Chowder.
Claims use since Feb. 25, 1937.

Ser. No. 396,575. DR. P. PHILLIPS COMPANY, Orlando, Fla. Filed Aug. 19, 1937.

SEALDGOLD

For Canned and Fresh Citrus Fruits and Canned Fruit Juices for Food Purposes.
Claims use since July 30, 1937.

Ser. No. 396,619. TREESWEET PRODUCTS CO., Los Angeles, Calif. Filed Aug. 20, 1937.

TREESWEET

For Fresh Citrus Fruits and Canned Citrus Fruit Juices for Food Purposes.
Claims use on fresh citrus fruit since Aug. 7, 1937; on canned citrus fruit juices since July 27, 1933.

Ser. No. 396,860. FRANK LEBELL, doing business as Lebell Specialty Company, Los Angeles, Calif. Filed Aug. 26, 1937.

Angelettes

For Cake.
Claims use since June 15, 1937.

Ser. No. 397,233. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Sept. 8, 1937.



The words "Especial", "Fermento Em Po", and "Para Padeiros e Pasteleiros" are disclaimed apart from the mark. The drawing is lined for blue which is claimed as a feature of the mark.
For Baking Powder.
Claims use since Oct. 15, 1936.

Ser. No. 397,279. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Sept. 10, 1937.

WESTERN PRIZE

The word "Prize" is disclaimed apart from the mark.
For Dressed Poultry.
Claims use since July 12, 1937.

Ser. No. 397,612. COMPANIA DE PRODUCTOS MARINOS, S. A., Ensenada, Mex. Filed Sept. 21, 1937.

OCEAN GARDEN

For Canned Shellfish.
Claims use since April, 1922.

Ser. No. 397,871. READY FOODS COMPANY, INC., Chicago, Ill. Filed Sept. 27, 1937.

PERK

For Canned Dog Food.
Claims use since Aug. 26, 1937.

Ser. No. 398,072. PAUL A. MOSESIAN & SONS, INC., Fresno, Calif. Filed Sept. 27, 1937.

STATE CENTER

For Fresh Grapes, Fresh Deciduous Fruits, Fresh Citrus Fruits, Fresh Vegetables, and Dried Fruits and Olives.
Claims use since 1904.

Ser. No. 398,401. MISSION FRUIT & VEGETABLE CO., INC., Mission, Tex. Filed Oct. 12, 1937.

Mifco

For Fresh Citrus Fruits and Fresh Vegetables.
Claims use since July, 1937.

Ser. No. 398,448. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Filed Oct. 14, 1937.

Koffytee

For Sugar.
Claims use since May 28, 1936.

Ser. No. 398,512. JOHN M. WILSON, doing business as Eureka Feed Mills, Meridian, Miss. Filed Oct. 14, 1937.

Sweepstakes

For Horse and Mule Feed, and Laying Mash.
Claims use since Sept. 28, 1921.

Ser. No. 398,789. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Oct. 21, 1937.

PANCRAFT

For Wheat Flour.
Claims use since Sept. 9, 1937.

Ser. No. 398,790. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Oct. 21, 1937.

PANFUL

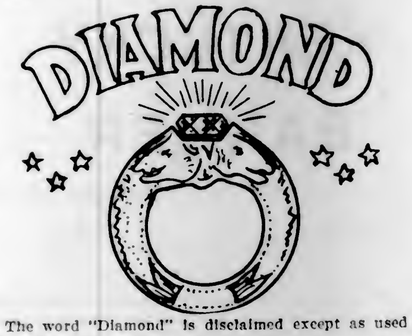
For Wheat Flour.
Claims use since Sept. 9, 1937.

Ser. No. 398,794. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Oct. 21, 1937.

fermaloid

For Dough Improver, i. e., a Composition or Compound Used as an Ingredient of Bread to Improve the Quality Thereof.
Claims use since Mar. 9, 1931.

Ser. No. 398,828. MARTIN SOLBERG, doing business as Norse Produce Co., New York, N. Y. Filed Oct. 22, 1937.



The word "Diamond" is disclaimed except as used in the mark.
For Sardines.
Claims use since October, 1927.

Ser. No. 398,856. MEGOWEN-EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Oct. 23, 1937.

CAMPUS

For Crackers and Biscuits.
Claims use since Oct. 1, 1916.

Ser. No. 398,909. LEE COUNTY PACKING COMPANY, Fort Myers, Fla. Filed Oct. 25, 1937.



The word "Brand" is disclaimed apart from the mark.
For Fresh Oranges, Lemons, Grapefruit, Limes, and Tangerines.
Claims use since December, 1919.

Ser. No. 399,034. CHARACTER SALES CORPORATION, New York, N. Y. Filed Oct. 28, 1937.

CHARACTER

For Food Products—Namely, Coffee.
Claims use since Sept. 17, 1937.

Ser. No. 399,357. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Nov. 5, 1937.

CAL-C-TOSE

For Chocolate Base Food Supplement Containing Vitamins, and Calcium.
Claims use since Oct. 15, 1937.

CLASS 47

Wines

Ser. No. 395,433. ROMA WINE COMPANY, INC., doing business as Santa Lucia Wineries, Lodi and Fresno, Calif. Filed July 19, 1937.



For Wines.
Claims use since Apr. 10, 1936.

Ser. No. 397,118. ITALIAN SWISS COLONY, San Francisco, Calif. Filed Sept. 4, 1937.

Colony Special

The word "Special" is disclaimed apart from the mark.
For Wines.
Claims use since July 23, 1937.

Ser. No. 398,410. SCATENA BROS. WINE CO., Healdsburg, Calif. Filed Oct. 12, 1937.



The words "Healdsburg" and "California" are disclaimed apart from the mark.
For Wines.
Claims use since May, 1902.

CLASS 48

Malt Beverages and Liquors

Ser. No. 387,780. DIAMOND STATE BREWERY, INC., Wilmington, Del. Filed Jan. 14, 1937.



The words "Trade Mark" are disclaimed.
For Beer.
Claims use since Dec. 1, 1936.

Ser. No. 399,303. KAMM & SCHELLINGER COMPANY, INC., Mishawaka, Ind. Filed Nov. 4, 1937.

Skilbru

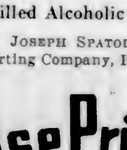
For Beer.
Claims use since Sept. 28, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 398,374. JOSEPH SPATOLA, SR., doing business as Spatola Importing Company, Philadelphia, Pa. Filed Oct. 11, 1937.

WisePrince



For Whiskey.
Claims use since Aug. 30, 1937.

Ser. No. 398,481. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 14, 1937.

EAGLE

For Whiskey and Gin.
Claims use since 1883.

Ser. No. 398,482. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 14, 1937.

NATIONAL'S
EAGLE

For Whiskey and Gin.
Claims use since July 26, 1937.

Ser. No. 398,916. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 25, 1937.

KENTUCKY
BANNER

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 29, 1937.

Ser. No. 398,917. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 25, 1937.

KENTUCKY
GRAND

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 29, 1937.

Ser. No. 398,918. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 25, 1937.

KENTUCKY RIVAL

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Oct. 2, 1937.

Ser. No. 398,919. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 25, 1937.

KENTUCKY ROYAL

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 29, 1937.

Ser. No. 399,003. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 27, 1937.

KENTUCKY
MASTER

The term "Kentucky" is disclaimed apart from the mark.
For Whiskey.
Claims use since Oct. 2, 1937.

Ser. No. 399,100. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 29, 1937.



The drawing is lined for red, black, and gold. The outline of the label, per se, and the term "Kentucky" are disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 29, 1937.

Ser. No. 399,101. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 29, 1937.



The drawing is lined for red, black, and gold. The outline of the label, per se, and the term "Kentucky" are disclaimed apart from the mark.
For Whiskey.
Claims use since Sept. 29, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 396,187. T. M. ELLIS, JR., doing business as Shekels Advertising Company, Beloit, Wis. Filed Aug. 9, 1937.

SHEKELS

For Display Signs and Boards and Portable Rotary Wheels Containing Indicia, All as Used for Commodity and Theater Advertising.
Claims use since July 14, 1937.

Ser. No. 398,566. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 16, 1937.

MIMEOGRAPH

For Flexible Covers for Duplicating Machines.
Claims use since April, 1934.

Ser. No. 398,714. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 20, 1937.

MIMEOGRAPH

For Plates for Making Stencils.
Claims use since April, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 14, 1937

352,735. VACCINES. LABORATORIO BRASILEIRO DE CHIMIOTHERAPIA LTDA., Rio de Janeiro, Brazil.
Filed September 11, 1933. Serial No. 341,482. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,736. FRESH VEGETABLES. GEORGE B. MUSANTE, doing business as Musante-Gillarde Co., San Jose, Calif.
Filed November 20, 1934. Serial No. 358,442. PUBLISHED OCTOBER 5, 1937. Class 46.

352,737. POTTERY OR EARTHENWARE VASES, JUGS, BOWLS, JARDINIERES, TEA SETS, CONSOLE SETS, AND SHELL LUNCHEON SERVICE. RED WING UNION STONEWARE CO., Red Wing, Minn.
Filed February 20, 1935. Serial No. 361,632. PUBLISHED NOVEMBER 26, 1935. Class 30.

352,738. AUTOMOTIVE REPLACEMENT PARTS—NAMELY, FRONT AXLES FOR AUTOMOBILES, BRAKE DRUMS, BRAKE RODS, GAS TANK CAPS, HUBS, STEERING GEAR PARTS, RADIATOR CAPS, AND WHEELS. UNIVERSAL PARTS, INC., Chicago, Ill.
Filed November 29, 1935. Serial No. 372,120. PUBLISHED OCTOBER 5, 1937. Class 19.

352,739. MONTHLY TRADE BULLETINS. HOTELS OF THE WORLD, INC., New York, N. Y.
Filed March 2, 1936. Serial No. 375,439. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,740. FLOUR, PARTICULARLY WHEAT FLOUR, SELF RISING FLOUR, AND WHEAT FLOUR WITH PHOSPHATE ADDED. WASHBURN CROSBY COMPANY, doing business as Missouri Mill & Elevator Co., Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware.
Filed June 19, 1936. Serial No. 379,932. PUBLISHED OCTOBER 5, 1937. Class 46.

352,741. FELTED MINERAL FIBRE SHEETS. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed July 14, 1936. Serial No. 380,993. PUBLISHED SEPTEMBER 14, 1937. Class 12.

352,742. FOOD LIFTING UTENSIL FOR CULINARY USE. GUY H. HALL, Los Angeles, Calif.
Filed August 12, 1936. Serial No. 382,093. PUBLISHED OCTOBER 5, 1937. Class 23.

352,743. HAIRPINS, BOB HAIRPINS, SAFETYPINS, DRESS FASTENERS, HAND NEEDLES, CROCHET HOOKS FOR HAND USE, HOOKS AND EYES, BUTTONS, ETC. THE BOYE NEEDLE COMPANY, Chicago, Ill.
Filed August 13, 1936. Serial No. 382,112. PUBLISHED SEPTEMBER 21, 1937. Class 40.

352,744. PREPARATION FOR RESTORING THE HAIR. NUMA WALTER ACOSTA, doing business as Pacific Beach Barber Shop, Pacific Beach, Calif.
Filed October 19, 1936. Serial No. 384,492. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,745. LINE OR GROUP OF ENTERIC COATED TABLETS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed October 19, 1936. Serial No. 384,541. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,746. STOVE WICKS. JACOB DIAMOND, doing business as Crimpwick Products Company, Hyde Park, Mass.
Filed October 22, 1936. Serial No. 384,689. PUBLISHED OCTOBER 5, 1937. Class 34.

352,747. STOP LIGHTS FOR BICYCLES, MOTORCYCLES, AND ELECTRIC AUTOMOBILES, ELECTRIC REAR LIGHTS FOR BICYCLES, MOTORCYCLES, AND AUTOMOBILES, ETC. SUDDEUTSCHE METALLWERKE GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Walldorf, Germany.
Filed November 9, 1936. Serial No. 385,312. PUBLISHED OCTOBER 5, 1937. Class 21.

352,748. FRESH CITRUS FRUITS. HOLLY HILL FRUIT PRODUCTS, INC., Davenport, Fla.
Filed November 14, 1936. Serial No. 385,520. PUBLISHED OCTOBER 5, 1937. Class 46.

352,749. VEHICLE LUGGAGE EQUIPMENT AND SIGN CARRIERS. PERCY Q. WILLIAMS, doing business as Vac-O-Grip Company, Toledo, Ohio.
Filed December 3, 1936. Serial No. 386,281. PUBLISHED OCTOBER 5, 1937. Class 19.

352,750. CANNED FRUITS. MOR-PAK PRESERVING CORPORATION, Stockton, Calif.
Filed December 7, 1936. Serial No. 386,439. PUBLISHED OCTOBER 5, 1937. Class 46.

352,751. MOTION-PICTURE FILMS. MERIDIAN PICTURES CORPORATION, New York, N. Y.
Filed January 6, 1937. Serial No. 387,507. PUBLISHED OCTOBER 5, 1937. Class 26.

352,752. HAIR PREPARATIONS—NAMELY, HAIR TONICS, BLEACHES, DYES, SHAMPOOS, AND PERMANENT WAVE SOLUTIONS. BENJAMIN LA ROSA, New York, N. Y.
Filed January 13, 1937. Serial No. 387,749. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,753. HAND CREAM WHICH IS USED AS A COATING FOR THE PORES OF THE HANDS TO PREVENT GREASE, GRIME, DIRT, OIL, AND PAINT FROM STAINING THE HANDS. VALENTINE R. KESTLER, Jamestown, N. Y.
Filed January 27, 1937. Serial No. 388,236. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,754. FORMED CANDIED POP CORN CONFECTION. THE COBBIE CORPORATION, Des Moines, Iowa.
Filed January 29, 1937. Serial No. 388,309. PUBLISHED OCTOBER 5, 1937. Class 46.

352,755. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. HARRY SACHS, New York, N. Y., assignor to Flavorex, Inc., New York, N. Y.
Filed February 12, 1937. Serial No. 388,849. PUBLISHED APRIL 6, 1937. Class 45.

352,756. LIVESTOCK AND POULTRY CONCENTRATE MADE FROM FINE GROUND CEREAL GRAINS AND USED AS A FEED. ARTHUR W. PORTER, Des Moines, Iowa.
Filed February 25, 1937. Serial No. 389,376. PUBLISHED OCTOBER 5, 1937. Class 46.

352,757. SHEET METAL CONTAINERS CONSISTING OF CANS FOR VEGETABLES, FRUITS, AND OTHER FOOD PRODUCTS. OWENS-ILLINOIS CAN COMPANY, Toledo, Ohio.
Filed March 5, 1937. Serial No. 389,692. PUBLISHED OCTOBER 5, 1937. Class 2.

352,758. SALVES, SAID SALVES BEING USED AS A HEALING AGENT FOR ECZEMA, RASH, SEVEN YEAR ITCH, ATHLETIC FOOT, AND OTHER ERUPTIONS OF THE SKIN. ROSS-MIELKE COMPANY, Detroit, Mich.
Filed March 12, 1937. Serial No. 390,010. PUBLISHED OCTOBER 5, 1937. Class 6.

352,759. MACHINERY BEARINGS, MECHANICAL VALVES FOR ENGINES, PLUGS FOR THE SAME, SLEEVES AND PISTONS FOR ENGINES, AND CLUTCH RINGS, ALL BEING PARTS OF MACHINERY AND ALL MADE WHOLLY OR PRINCIPALLY OF CARBON. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England.
Filed March 18, 1937. Serial No. 390,225. PUBLISHED OCTOBER 5, 1937. Class 23.

352,760. ELECTRODES FOR BATTERIES, LIGHTING, AND WELDING, BRUSHES FOR ELECTRICAL MACHINERY, SCREENS AND ANODES FOR THERMIONIC VALVES, ETC. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England.
Filed March 18, 1937. Serial No. 390,226. PUBLISHED OCTOBER 5, 1937. Class 21.

352,761. MACHINERY BEARINGS, MECHANICAL VALVES FOR ENGINES, PLUGS FOR THE SAME, SLEEVES AND PISTONS FOR ENGINES, AND CLUTCH RINGS, ALL BEING PARTS OF MACHINERY AND ALL MADE WHOLLY OR PRINCIPALLY OF CARBON. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England.
Filed March 18, 1937. Serial No. 390,227. PUBLISHED OCTOBER 5, 1937. Class 23.

352,762. ELECTRODES FOR BATTERIES, LIGHTING, AND WELDING, BRUSHES FOR ELECTRICAL MACHINERY, ETC. THE MORGAN CRUCIBLE COMPANY LIMITED, London, England.
Filed March 18, 1937. Serial No. 390,228. PUBLISHED OCTOBER 5, 1937. Class 21.

352,763. MACHINES FOR THE MANUFACTURE OF PAPER CONTAINERS, PORTIONS OF SUCH MACHINES, AND INDIVIDUAL PARTS THEREOF. EX-CELL-O AIRCRAFT & TOOL CORPORATION, Detroit, Mich., now by change of name, Ex-Cello-Corporation.
Filed March 19, 1937. Serial No. 390,268. PUBLISHED OCTOBER 5, 1937. Class 23.

352,764. BREWERS' YEAST TABLETS, PSYLLIUM SEED, GROUND PSYLLIUM AND AGAR, MINERAL OIL EMULSION FOR MEDICINAL USE, MINERAL OIL FOR MEDICINAL USE, KARAYA FOR MEDICINAL USE, CITRATES AND CARBONATES FOR MEDICINAL USE, ETC. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek, Mich.
Filed March 24, 1937. Serial No. 390,434. PUBLISHED OCTOBER 5, 1937. Class 6.

352,765. BREWERS' YEAST TABLETS, PSYLLIUM SEED, GROUND PSYLLIUM AND AGAR, MINERAL OIL EMULSION FOR MEDICINAL USE, MINERAL OIL FOR MEDICINAL USE, KARAYA FOR MEDICINAL USE, CITRATES AND CARBONATES FOR MEDICINAL USE, ETC. BATTLE CREEK DIETETIC SUPPLY CO., Battle Creek, Mich.
Filed March 24, 1937. Serial No. 390,436. PUBLISHED OCTOBER 5, 1937. Class 6.

352,766. FURNITURE—NAMELY, BEDS, BEDROOM CHESTS, BEDROOM DRESSERS, BEDROOM DRESSING TABLES, BEDROOM BENCHES, ETC. WINCHENDON FURNITURE CORPORATION, Winchendon, Mass.
Filed March 24, 1937. Serial No. 390,486. PUBLISHED OCTOBER 5, 1937. Class 32.

352,767. INSECTICIDES, FUNGICIDES, AND FLOCCULATORS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed April 1, 1937. Serial No. 390,814. PUBLISHED OCTOBER 5, 1937. Class 6.

352,768. MEDICINES FOR HEADACHES, MIGRAINES, AND ALL KINDS OF HEADACHE, NOT ACCOMPANIED BY ANY ORGANIC DISEASES, HAY-FEVER, INFLUENZA, ARTERIOSCLEROSIS, TUBERCULOSIS, ETC. WELEDA, INC., Wilmington, Del., and New York, N. Y.
Filed April 2, 1937. Serial No. 390,878. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,769. INSULATING MATERIAL SOMEWHAT SIMILAR TO CEMENT. JOHN STUEHRINGER, Stapleton, N. Y.
Filed April 5, 1937. Serial No. 390,976. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,770. TAPES, BINDING BRAIDS, AND WOVEN BINDINGS. ANDREW Y. MICHIE & SONS, INC., doing business as Alva Tape Mills, Philadelphia, Pa.
Filed April 7, 1937. Serial No. 391,028. PUBLISHED SEPTEMBER 21, 1937. Class 40.

352,771. CHEMICAL COMPOSITIONS USED FOR CLEANING METAL ARTICLES AND PROVIDING RUST AND CORROSION RESISTING COATINGS THEREON. RUST PROOFING COMPANY OF CANADA LIMITED, Montreal, Quebec, Canada.
Filed April 8, 1937. Serial No. 391,091. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,772. PERIODICAL PUBLICATION. CULWRIGHT PUBLISHING COMPANY, New York, N. Y.
Filed April 10, 1937. Serial No. 391,178. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,773. WHISKEY. PARAMOUNT DISTILLING CORPORATION, Chicago, Ill.
Filed April 14, 1937. Serial No. 391,336. PUBLISHED JULY 13, 1937. Class 49.

352,774. ARTICLES OF CLOTHING — TO WIT, LADIES' UNDERWEAR, JUMPER SUITS, TUNIC SUITS, CARDIGAN SUITS, BLOUSES, FROCKS, YACHTING FROCKS, SUN SUITS, AND SCARVES, ETC. MCCLURE & MCINTOSH, LIMITED, Glasgow, Scotland.
Filed April 21, 1937. Serial No. 391,646. PUBLISHED OCTOBER 5, 1937. Class 39.

352,775. ELECTRICAL MACHINERY—NAMELY, MOTORS, GENERATORS, TRANSFORMERS, MOTOR-GENERATOR SETS, ENGINE AND TURBINE SETS, SWITCHBOARDS, SWITCHES, AND CIRCUIT BREAKERS. BELYEA COMPANY, INC., New York, N. Y.
Filed April 28, 1937. Serial No. 391,947. PUBLISHED OCTOBER 5, 1937. Class 21.

352,776. TABLES, CHAIRS, SOFAS, BEDS, DRESSING TABLES, BUREAUS, MATTRESSES, DESKS, AND COMBINATION DESKS AND BOOK CASES. INTERBORO DECORATORS INC., Brooklyn, N. Y.
Filed April 28, 1937. Serial No. 391,959. PUBLISHED OCTOBER 5, 1937. Class 32.

352,777. CHLORINATED HYDROCARBON BASE FOR CUTTING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed May 4, 1937. Serial No. 392,278. PUBLISHED OCTOBER 5, 1937. Class 6.

352,778. HIGHWAY AND ROAD GUARDS AND PARTS THEREOF, AND STRUCTURAL STEEL SECTIONS OF VARIOUS CROSS-SECTIONAL SHAPES. REPUBLIC STEEL CORPORATION, Cleveland, Ohio.
Filed May 5, 1937. Serial No. 392,335. PUBLISHED SEPTEMBER 21, 1937. Class 12.

352,779. CALIBRATED SYRINGE LIKE FLUID MEASURING DEVICES. LANCASTER INC., Los Angeles, Calif.
Filed May 10, 1937. Serial No. 392,988. PUBLISHED OCTOBER 5, 1937. Class 26.

352,780. CHLORINATED HYDROCARBON BASE FOR CUTTING OILS. E. F. HOUGHTON & CO., Philadelphia, Pa.
Filed May 20, 1937. Serial No. 393,035. PUBLISHED OCTOBER 5, 1937. Class 6.

352,781. PHOTOGRAPHIC DEVELOPERS. PHILIP A. HUNT COMPANY, Brooklyn, N. Y.
Filed May 21, 1937. Serial No. 393,079. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,782. CANDIES. E. J. BRACH & SONS, Chicago, Ill.
Filed May 22, 1937. Serial No. 393,113. PUBLISHED OCTOBER 5, 1937. Class 46.

352,783. PREPARATION FOR THE TREATMENT OF SYPHILIS AND DISEASES HAVING A SYPHILITIC ORIGIN. COMAR & CIE., S. A. R. L., Paris, France.
Filed May 25, 1937. Serial No. 393,212. PUBLISHED OCTOBER 5, 1937. Class 6.

352,784. LIPSTICKS, FACE CREAMS, FACE POWDER AND ROUGE COMPACTS, FACE POWDER, EYEBROW PENCILS, AND NAIL PENCILS. ROBERT W. LE MARE, New York, N. Y.
Filed May 27, 1937. Serial No. 393,335. PUBLISHED OCTOBER 5, 1937. Class 6.

352,785. ANTACID POWDER CONTAINING VARIOUS CHEMICAL ANTACIDS WITH DIGESTANTS AND AROMATICS. DONALD R. MACESLIN, York, Pa.
Filed May 27, 1937. Serial No. 393,340. PUBLISHED OCTOBER 5, 1937. Class 6.

352,786. RAZOR BLADES. FRANK WREN, Brooklyn, N. Y., assignor to Cooper & Cooper, Inc., Brooklyn, N. Y., a corporation of New York.
Filed May 27, 1937. Serial No. 393,353. PUBLISHED OCTOBER 5, 1937. Class 23.

352,787. CROCKERY IMPORTED HOLLOWWARE. MCCRORY STORES CORPORATION, New York, N. Y.
Filed May 29, 1937. Serial No. 393,437. PUBLISHED OCTOBER 5, 1937. Class 30.

352,788. SCREEN CLOTH. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,553. PUBLISHED OCTOBER 5, 1937. Class 13.

352,789. SCREEN CLOTH. ROBINS CONVEYING BELT COMPANY, Passaic, N. J., and New York, N. Y.
Filed June 2, 1937. Serial No. 393,540. PUBLISHED OCTOBER 5, 1937. Class 13.

352,790. PUBLICATIONS ISSUED INTERMITTENTLY—NAMELY, CATALOGS, BOOKLETS, FOLDERS, AND PAMPHLETS RELATING TO AND DESCRIBING AUTOMOTIVE MACHINERY, PARTS, AND ACCESSORIES. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich.
Filed June 3, 1937. Serial No. 393,614. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,791. SEWING MACHINES. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed June 5, 1937. Serial No. 393,709. PUBLISHED OCTOBER 5, 1937. Class 23.

352,792. MEDICATORS. HOSPITAL SPECIALTY CO., Whitewater, Wis.
Filed June 5, 1937. Serial No. 393,712. PUBLISHED OCTOBER 5, 1937. Class 44.

352,793. FUR COATS, SCARFS, AND CAPES OF DYED RABBIT SKINS. BEN KALISH, New York, N. Y.
Filed June 5, 1937. Serial No. 393,713. PUBLISHED OCTOBER 5, 1937. Class 39.

352,794. YEAST EXTRACT CONTAINING VITAMIN B COMPLEX FOR THERAPEUTIC USE. HARRY W. KINNEY, doing business as Scientific Sugars Company, Indianapolis, Ind.
Filed June 7, 1937. Serial No. 393,770. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,795. PREPARATION FOR PREVENTING PERSPIRATION AND CORRECTING BODY ODORS. WILLIAM VARACSKA, Woodbridge, N. J.
Filed June 9, 1937. Serial No. 393,881. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,796. COAL STOKERS AND REPAIR PARTS. FIRE CHIEF STOKER COMPANY, St. Louis, Mo.
Filed June 10, 1937. Serial No. 393,903. PUBLISHED OCTOBER 5, 1937. Class 34.

352,797. SPECIALLY PREPARED, TREATED, AND COMPOUNDED MORTAR, STUCCO, ARTIFICIAL STONE, CONCRETE PRODUCTS, AND THE LIKE. CLARENCE R. REX, Toledo, Ohio.
Filed June 10, 1937. Serial No. 393,919. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,798. CHOCOLATE FLAVORED FOOD DRINK. THE BORDEN COMPANY, New York, N. Y.
Filed June 11, 1937. Serial No. 393,936. PUBLISHED OCTOBER 5, 1937. Class 46.

352,799. LINIMENT FOR EXTERNAL USE IN THE TREATMENT OF SORE MUSCLES, BRUISES, SPRAINS, SUNBURN, AND SIMILAR AFFLICTIONS. GEORGE CLINTON, doing business as George Clinton Company, Wichita, Kans.
Filed June 14, 1937. Serial No. 394,020. PUBLISHED OCTOBER 5, 1937. Class 6.

352,800. FRESH VEGETABLES. ICE-KIST PACKING COMPANY, Salinas, Calif.
Filed June 14, 1937. Serial No. 394,037. PUBLISHED OCTOBER 5, 1937. Class 46.

352,801. SEMI-PLASTIC THERMAL AND SOUND INSULATING MATERIAL SUITABLE FOR APPLICATION BY SPRAYING. INSULATION DEVELOPMENT CORPORATION, Monroe, Mich.
Filed June 14, 1937. Serial No. 394,039. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,802. POULTRY AND ANIMAL DIP AND DISINFECTANT AND DEODORANT FOR FARM BUILDINGS. DR. SALSBURY'S LABORATORIES, Charles City, Iowa.
Filed June 14, 1937. Serial No. 394,059. PUBLISHED OCTOBER 5, 1937. Class 6.

352,803. WATER SOFTENING AND WATER CONDITIONING CHEMICAL FOR INDUSTRIAL, LAUNDRY, SEMI-INDUSTRIAL, AND DOMESTIC USE, AND ALSO AS AN ADDITION AGENT TO MILK TO PREVENT THE FORMATION OF CURDS DURING THE DIGESTIVE PROCESS BUT EXCLUDING EMOLLIENTS FOR THE SKIN. CALGON, INC., Pittsburgh, Pa.
Filed June 15, 1937. Serial No. 394,109. PUBLISHED OCTOBER 5, 1937. Class 6.

352,804. WATER SOFTENING AND WATER CONDITIONING CHEMICAL FOR INDUSTRIAL, LAUNDRY, AND SEMI-INDUSTRIAL USE. CALGON, INC., Pittsburgh, Pa.
Filed June 15, 1937. Serial No. 394,110. PUBLISHED OCTOBER 5, 1937. Class 6.

352,805. SODIUM META-PHOSPHATE FOR USE IN THE PREPARATION OF MEDICINES, AND PHARMACEUTICAL PREPARATIONS. CALGON, INC., Pittsburgh, Pa.
Filed June 15, 1937. Serial No. 394,111. PUBLISHED OCTOBER 5, 1937. Class 6.

352,806. SODIUM METAPHOSPHATE FOR USE IN THE PREPARATION OF MEDICINES AND PHARMACEUTICAL PREPARATIONS. CALGON, INC., Pittsburgh, Pa.
Filed June 15, 1937. Serial No. 394,112. PUBLISHED OCTOBER 5, 1937. Class 6.

352,807. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SWEATERS, COATS, DRESSES, SUITS, AND SKIRTS AND BLOUSES. BRADFORD SPORTWEAR, INC., New York, N. Y.
Filed June 17, 1937. Serial No. 394,162. PUBLISHED OCTOBER 5, 1937. Class 39.

352,808. VITREOUS ENAMEL AND STAINLESS STEEL POTS, PANS, AND KETTLES FOR COOKING AND SANITARY PURPOSES FOR THE HOME, RESTAURANT, HOTEL, AND HOSPITAL. PORCELAIN ENAMELING ASSOCIATION, Sheboygan, Wis.
Filed June 17, 1937. Serial No. 394,190. PUBLISHED OCTOBER 5, 1937. Class 13.

352,809. PIECE GOODS OF COTTON, LINEN, SILK, RAYON, AND WOOLEN MIXTURES. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed June 17, 1937. Serial No. 394,197. PUBLISHED OCTOBER 5, 1937. Class 42.

352,810. CANNED NONALCOHOLIC CITRUS JUICES FOR BEVERAGE PURPOSES. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed June 21, 1937. Serial No. 394,341. PUBLISHED OCTOBER 5, 1937. Class 45.

352,811. MEDICAL PREPARATION FOR INTERNAL USE TO PROVIDE A SOFT, MOIST, BULKY FECAL CONTENT, AS AN ADJUNCT IN THE TREATMENT OF CONSTIPATION, THE MEDICAL PREPARATION CONTAINING MINERAL OIL, PSYLLIUM SEED, AND AGAR-AGAR. PETSYLOID COMPANY, Los Angeles, Calif.
Filed June 21, 1937. Serial No. 394,346. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,812. STAMPS, COUPONS, AND TRADING STAMPS. SANTÉ INSTITUTE, LTD., Manhattan Beach, Calif.
Filed June 21, 1937. Serial No. 394,351. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,813. HORN BUTTONS. LINDENHURST MANUFACTURING COMPANY, Lindenhurst, N. Y.
Filed June 22, 1937. Serial No. 394,376. PUBLISHED SEPTEMBER 21, 1937. Class 40.

352,814. MEDICINAL PREPARATION CONTAINING AS ITS PRINCIPAL INGREDIENTS SALTS OF IRON AND COPPER FOR USE AS A TREATMENT FOR CHRONIC SECONDARY ANAEMIA. AYERST, MCKENNA & HARRISON, LTD., Montreal, Quebec, Canada.
Filed June 23, 1937. Serial No. 394,396. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,815. NARROW ELASTIC FABRICS, ELASTIC BELTING FOR USE IN CONNECTION WITH WEARING APPAREL, HOUSE FURNISHINGS, ETC., ELASTIC CORD, AND NARROW ELASTIC FABRIC-LIKE LACES. CLAUS A. COSMAN, New York, N. Y.
Filed June 23, 1937. Serial No. 394,402. PUBLISHED SEPTEMBER 21, 1937. Class 40.

352,816. PERFUME. THE HALLE BROS. CO., Cleveland, Ohio.
Filed June 24, 1937. Serial No. 394,458. PUBLISHED OCTOBER 5, 1937. Class 6.

352,817. PERFUMES. JEAN PATOU, INC., New York, N. Y.
Filed June 25, 1937. Serial No. 394,504. PUBLISHED OCTOBER 5, 1937. Class 6.

352,818. TONICS COMPRISING A COMBINATION OF VITAMIN B COMPLEX WITH CALCIUM, SODIUM, IRON, AND STRYCHNINE GLYCERO-PHOSPHATES. VITA-PHATES, INCORPORATED, New York, N. Y.
Filed June 25, 1937. Serial No. 394,516. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,819. CENTRIFUGAL PUMPS AND PARTS THEREOF. LAWRENCE PUMP AND ENGINE CO., Lawrence, Mass.
Filed June 26, 1937. Serial No. 394,540. PUBLISHED OCTOBER 5, 1937. Class 23.

352,820. WINES. SUPREME WINE CO. INC., Boston, Mass.
Filed June 26, 1937. Serial No. 394,563. PUBLISHED OCTOBER 5, 1937. Class 47.

352,821. PHOTOGRAPHIC FILM DEVELOPING SOLUTION. HARRY CHAMPLIN, Beverly Hills, Calif.
Filed June 28, 1937. Serial No. 394,577. PUBLISHED OCTOBER 5, 1937. Class 6.

352,822. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed June 28, 1937. Serial No. 394,607. PUBLISHED OCTOBER 5, 1937. Class 47.

352,823. WINES. ITALIAN SWISS COLONY, San Francisco, Calif.
Filed June 28, 1937. Serial No. 394,608. PUBLISHED OCTOBER 5, 1937. Class 47.

352,824. MEDICINAL PREPARATION MADE FROM B. COLI, STAPHYLOCOCCUS AUREUS, STREPTOCOCCUS, AND PNEUMOCOCCUS IN A WATER-JELLY BASE FOR LOCAL APPLICATION IN MIXED INFECTIONS OF EPITHELIAL AND MUCOUS SURFACES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,613. PUBLISHED OCTOBER 5, 1937. Class 6.

352,825. MEDICINAL PREPARATION MADE FROM B. COLI, STAPHYLOCOCCUS AUREUS, STREPTOCOCCUS, AND PNEUMOCOCCUS IN A LIQUID FORM FOR LOCAL AND PARENTERAL USE IN MIXED INFECTIONS OF EPITHELIAL AND MUCOUS SURFACES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,614. PUBLISHED OCTOBER 5, 1937. Class 6.

352,826. MEDICINAL PREPARATION MADE FROM M. CATARRHALIS, PNEUMOCOCCI, STAPHYLOCOCCUS AUREUS, AND STREPTOCOCCI IN A WATER-JELLY BASE FOR LOCAL APPLICATION IN THE TREATMENT OF VASO-PHARYNGEAL INFECTIONS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,615. PUBLISHED OCTOBER 5, 1937. Class 6.

352,827. MEDICINAL PREPARATION MADE FROM M. CATARRHALIS, PNEUMOCOCCI, STAPHYLOCOCCUS AUREUS, AND STREPTOCOCCI IN A LIQUID FORM FOR LOCAL AND PARENTERAL USE IN THE TREATMENT OF NASO-PHARYNGEAL INFECTIONS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,616. PUBLISHED OCTOBER 5, 1937. Class 6.

352,828. MEDICINAL PREPARATION MADE FROM GONOCOCCUS, B. COLI, STREPTOCOCCUS VIRIDANS, AND STAPHYLOCOCCUS (AUREUS AND ALBUS) IN A LIQUID FORM FOR PARENTERAL USE IN THE TREATMENT OF GONORRHEAL INFECTIONS. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed June 28, 1937. Serial No. 394,618. PUBLISHED OCTOBER 5, 1937. Class 6.

352,829. CHART INDICATING THE PERIODS OF NATURAL STERILITY AND FERTILITY IN WOMEN. SANFORD E. A. SANDERS, doing business as The Steri-Graph Company, Shreveport, La.
Filed June 28, 1937. Serial No. 394,637. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,830. NEWSPAPER. ARIZONA PUBLISHING COMPANY, Phoenix, Ariz.
Filed June 29, 1937. Serial No. 394,654. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,831. NEWSPAPER. ARIZONA PUBLISHING COMPANY, Phoenix, Ariz.
Filed June 29, 1937. Serial No. 394,655. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,832. PERIODICAL PUBLICATION OF ARTICLES AND SKETCHES. THE CROWELL PUBLISHING COMPANY, New York, N. Y.
Filed June 29, 1937. Serial No. 394,660. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,833. PERIODICAL PUBLICATION. CHARLES D. MORRIS, doing business as Billy White and His Staff, New York, N. Y.
Filed June 29, 1937. Serial No. 394,671. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,834. GREETING CARDS. CHARLES D. MORRIS, New York, N. Y.
Filed June 29, 1937. Serial No. 394,675. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,835. VETERINARY MEDICINES—NAMELY, HOG RESTORATIVE POWDER, HORSE AND CATTLE RESTORATIVE POWDER, ETC. CHARLES A. HARRINGTON, doing business as C. & D. Mfg. Co., Baltimore, Md.
Filed June 30, 1937. Serial No. 394,708. PUBLISHED OCTOBER 5, 1937. Class 6.

352,836. ELASTIC THREAD. ANDREWS-ALDERFER COMPANY, Akron, Ohio.
Filed July 2, 1937. Serial No. 394,776. PUBLISHED SEPTEMBER 28, 1937. Class 43.

352,837. ANIMAL AND VEGETABLE GLUES AND CEMENTS. SURE-GRIP ADHESIVES, INC., Albany, N. Y.
Filed July 2, 1937. Serial No. 394,814. PUBLISHED SEPTEMBER 14, 1937. Class 5.

352,838. MEDICINAL TONIC SPECIALLY RECOMMENDED FOR USE BY CHILDREN, AGED PERSONS, CONVALESCENTS, AND PERSONS SUFFERING FROM LOSS OF APPETITE OR SIMILAR CONDITIONS. SCHERING CORPORATION, Bloomfield, N. J.
Filed July 3, 1937. Serial No. 394,864. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,839. PERMANENT WAVE SOLUTION FOR USE IN ADMINISTERING A PERMANENT WAVE TO THE HAIR. NELLIE VILLA, Los Angeles, Calif.
Filed July 3, 1937. Serial No. 394,878. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,840. MILLING MACHINERY, INCLUDING BALL MILLS, PEBBLE MILLS, ROD MILLS, AND PARTS THEREFOR—NAMELY, LINERS. AMERICAN BALL-MILL COMPANY, Denver, Colo.
Filed July 6, 1937. Serial No. 394,885. PUBLISHED OCTOBER 5, 1937. Class 23.

352,841. PREPARATION FOR THE TREATMENT OF THE SMOKING HABIT. WILLIAM W. SPURGEON, Washington, D. C.
Filed July 6, 1937. Serial No. 394,915. PUBLISHED OCTOBER 5, 1937. Class 6.

352,842. DRY POWDER TO BE MIXED WITH WATER AND USED AS A CALCIMINE OR DECORATIVE WALL COATING. THE MURALO COMPANY, INC., New Brighton, N. Y.
Filed July 7, 1937. Serial No. 394,964. PUBLISHED OCTOBER 5, 1937. Class 16.

352,843. FRUIT, HERB, ROOT, BARK, LEAF, AND BLOSSOM FLAVORING CONCENTRATES FOR FOOD PURPOSES. ALOIS AUSENIK, Tappan, N. Y.
Filed July 8, 1937. Serial No. 394,969. PUBLISHED OCTOBER 5, 1937. Class 46.

352,844. WINES. BEAULIEU VINEYARD, San Francisco, Calif.
Filed July 9, 1937. Serial No. 395,009. PUBLISHED OCTOBER 5, 1937. Class 47.

352,845. PERFUMES. CALIFORNIA PERFUME COMPANY, INC., New York, N. Y.
Filed July 9, 1937. Serial No. 395,015. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,846. WINES. LA PERLA VINEYARD COMPANY, Chicago, Ill.
Filed July 9, 1937. Serial No. 395,040. PUBLISHED OCTOBER 5, 1937. Class 47.

352,847. FOOT OINTMENT. GUSTAVE H. EISENBERG, Long Beach, Calif.
Filed July 12, 1937. Serial No. 395,110. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,848. LIFTING JACK. NU-ANGLE JACK COMPANY, Parkston, S. Dak.
Filed July 12, 1937. Serial No. 395,144. PUBLISHED OCTOBER 5, 1937. Class 23.

352,849. SHAMPOO PREPARATION. A. B. COLBORN, doing business as Modernistic Beauty Service, Omaha, Nebr.
Filed June 17, 1937. Serial No. 394,165. PUBLISHED OCTOBER 5, 1937. Class 6.

352,850. ELECTRIC SIGNAL PICKUP AMPLIFYING UNITS. ELECTRICAL COMMUNICATIONS DIVISION, INC., New York, N. Y.
Filed June 17, 1937. Serial No. 394,167. PUBLISHED OCTOBER 5, 1937. Class 21.

352,851. CARPETS, RUGS, AND UPHOLSTERY PIECE GOODS OF COTTON, WOOL, SILK, RAYON, AND/OR COMBINATIONS THEREOF. INTERNATIONAL LOOMS, INC., New York, N. Y.
Filed July 13, 1937. Serial No. 395,173. PUBLISHED OCTOBER 5, 1937. Class 42.

352,852. CHILDREN'S SUITS, ROMPERS, AND SUN SUITS. KIDDIES PAL, INC., New York, N. Y.
Filed June 17, 1937. Serial No. 394,179. PUBLISHED OCTOBER 5, 1937. Class 39.

352,853. TONIC CONTAINING VITAMINS AND MINERALS. PARK & SMITH, INC., New York, N. Y.
Filed June 17, 1937. Serial No. 394,186. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,854. EYESHADES FOR SPECTACLES. EARL J. BAUMGARTNER, Hudson, Mich.
Filed July 14, 1937. Serial No. 395,185. PUBLISHED OCTOBER 5, 1937. Class 26.

352,855. NARROW ELASTIC FABRICS. CLAUS A. COSMAN, New York, N. Y.
Filed July 15, 1937. Serial No. 395,223. PUBLISHED SEPTEMBER 28, 1937. Class 40.

352,856. BUCKLES, BUTTONS, AND ORNAMENTAL PINS NOT MADE OF PRECIOUS METALS. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,267. PUBLISHED SEPTEMBER 21, 1937. Class 40.

352,857. ORNAMENTED AND PLAIN BOXES SOLD AS EMPTY CONTAINERS—NAMELY, COMPOSITION BOXES, CANDY BOXES, CARD BOXES, CASES FOR MANICURE ARTICLES AND SHAVING ACCESSORIES, HANDKERCHIEF BOXES, NOVELTY BOXES, AND POWDER BOXES; BOWLS, HAIR RECEIVERS, PUFF BOXES, TRAYS, JEWEL CASES, BUD VASES, BOTTLE HOLDERS, COSMETIC CONTAINERS, DESK TRAYS, MATCH RECEPTACLES, PIN TRAYS, WHISK BROOM AND BRUSH HOLDERS AND RACKS, SANDWICH TRAYS, AND COASTERS, ALL SUCH GOODS BEING MADE OF COMPOSITION WOOD MATERIAL. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,269. PUBLISHED OCTOBER 5, 1937. Class 2.

352,858. OINTMENT FOR ATHLETE'S FOOT, CORNS, BARBER'S ITCH, SCABIES, INSECT BITES, AND THE LIKE. PAUL E. CHU, doing business as Ultra Chemical Products, Honolulu, Territory of Hawaii.
Filed July 16, 1937. Serial No. 395,284. PUBLISHED OCTOBER 5, 1937. Class 6.

352,859. DECALCOMANIA SIGNS. THE PERMALUX COMPANY, INC., Chicago, Ill.
Filed July 16, 1937. Serial No. 395,315. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,860. GLASS SALT AND PEPPER SETS. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed July 17, 1937. Serial No. 395,336. PUBLISHED OCTOBER 5, 1937. Class 2.

352,861. RADIO DIALS. WALGREEN CO., Chicago, Ill.
Filed July 17, 1937. Serial No. 395,364. PUBLISHED OCTOBER 5, 1937. Class 21.

352,862. PRUNE BUTTER, KNOWN AS LEKVAR. MAX AMS, INCORPORATED, doing business as The Pittsburgh Importing and Manufacturing Co., New York, N. Y.
Filed July 19, 1937. Serial No. 395,391. PUBLISHED OCTOBER 5, 1937. Class 46.

352,863. STRUCTURAL INSULATING SLABS. THE CELOTEX CORPORATION, Chicago, Ill.
Filed July 19, 1937. Serial No. 395,399. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,864. GUARDS, BRACKETS, ASSEMBLY MEANS THEREFOR, AND PARTS THEREOF, MORE PARTICULARLY AS ACCESSORIES FOR MACHINERY. THE FOSTORIA PRESSED STEEL CORP., Fostoria, Ohio.
Filed July 19, 1937. Serial No. 395,407. PUBLISHED OCTOBER 5, 1937. Class 23.

352,865. MEDICINAL PREPARATIONS PUT UP IN THE FORM OF CANDY, CHEWING GUM, CONCENTRATES, CREAMS, DROPS, ELIXIRS, EMULSIONS, EXTRACTS, FLUID EXTRACTS, ETC. PURITY DRUG CO. INC., New York, N. Y.
Filed July 19, 1937. Serial No. 395,432. PUBLISHED OCTOBER 5, 1937. Class 6.

352,866. FIBER BOARD, INSULATING BOARD, COMPOSITE BOARD, CONSTRUCTION BOARD, AND SYNTHETIC LUMBER OR ARTIFICIAL LUMBER. MASONITE CORPORATION, Chicago, Ill.
Filed July 20, 1937. Serial No. 395,453. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,867. PHOTOGRAPHIC EXPOSURE METERS. PHOTO UTILITIES, INC., New York, N. Y.
Filed July 20, 1937. Serial No. 395,457. PUBLISHED OCTOBER 5, 1937. Class 26.

352,868. PHOTOGRAPHIC EXPOSURE METERS. PHOTO MARKETING CORPORATION, New York, N. Y.
Filed July 20, 1937. Serial No. 395,458. PUBLISHED OCTOBER 5, 1937. Class 26.

352,869. PERFUMES. SCOTCH PRODUCTS INCORPORATED, New York, N. Y.
Filed July 20, 1937. Serial No. 395,460. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,870. CANDY COATED CHEWING GUM. CLARK BROTHERS CHEWING GUM CO., Pittsburgh, Pa.
Filed July 21, 1937. Serial No. 395,472. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,871. PREPARATION FOR THE TREATMENT OF COUGHS, SORE THROAT, WHOOPING COUGH, GRIPPE, AND BRONCHITIS. FLORIDA BROCHU SIMONEAU, doing business as Mrs. Willie Simoneau, Biddeford, Maine.
Filed July 21, 1937. Serial No. 395,474. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,872. MEN'S AND WOMEN'S COATS AND SUITS CONTAINING A SUBSTANTIAL CONTENT OF CAMELS HAIR. FRANK LEVINSOHN & CO. INC., New York, N. Y.
Filed July 21, 1937. Serial No. 395,482. PUBLISHED OCTOBER 5, 1937. Class 39.

352,873. CHEMICAL COMPOUNDS FOR USE IN LUBRICATING OILS TO REDUCE THEIR COLD TESTS AND VISCOSITY INDICES, ETC. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed July 21, 1937. Serial No. 395,494. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,874. AFTER SHAVING LOTION, BAY RUM, HAIR OIL, QUININE HAIR TONIC, AND TALCUM POWDER. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed July 22, 1937. Serial No. 395,522. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,875. BREAKFAST CEREALS. HUGH TEBAULT & COMPANY, INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,546. PUBLISHED OCTOBER 5, 1937. Class 46.

352,876. CLEANSING CREAM AND TISSUE CREAM. BRAY & BOYER, New York, N. Y.
Filed July 23, 1937. Serial No. 395,560. PUBLISHED OCTOBER 5, 1937. Class 6.

352,877. CANNED FRUITS, VEGETABLES, BERRIES, AND CANNED FISH, AND SHRIMP. J. ARLINGTON DETWILER, doing business as Nearby Sales Co., Philadelphia, Pa.
Filed July 23, 1937. Serial No. 395,564. PUBLISHED OCTOBER 5, 1937. Class 46.

352,878. SALICYLATE, IODIDE WITH ALKALI BUFFERS IN AN EFFERVESCENT TABLET. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind.
Filed July 23, 1937. Serial No. 395,569. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,879. INSECTICIDE FOR MOLES, RATS, MICE, AND GOPHERS. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., New York, N. Y.
Filed July 23, 1937. Serial No. 395,576. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,880. ASPHALT ROOF CEMENT, ASBESTOS FIBER COATING, AND ASPHALT ROOF COATING. SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y.
Filed July 23, 1937. Serial No. 395,595. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,881. BASE METAL TABLE AND COOKING HOLLOWWARE. THE ALUMINUM COOKING UTENSIL COMPANY, New Kensington, Pa.
Filed July 24, 1937. Serial No. 395,601. PUBLISHED OCTOBER 5, 1937. Class 13.

352,882. GAMES PLAYED WITH A BALL AND A PAIR OF RECEPTACLES FOR CATCHING AND DISCHARGING THE BALL. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed July 24, 1937. Serial No. 395,610. PUBLISHED OCTOBER 5, 1937. Class 22.

352,883. CURTAIN AND BLIND HOLDERS. F. M. R. Co., Freeport, Pa.
Filed July 26, 1937. Serial No. 395,640. PUBLISHED OCTOBER 5, 1937. Class 13.

352,884. BEDS, MATTRESSES, AND BEDROOM FURNITURE—NAMELY, UPHOLSTERED CHAIRS AND UPHOLSTERED COUCHES. NATIONAL CHAIR CO., INC., Rahway, N. J.
Filed July 26, 1937. Serial No. 395,648. PUBLISHED OCTOBER 5, 1937. Class 32.

352,885. SKY-LIGHT UNIT. JOSHUA M. RICHARDS, South Boston, Mass.
Filed July 26, 1937. Serial No. 395,653. PUBLISHED SEPTEMBER 28, 1937. Class 12.

352,886. SKIN CLEANSING LOTION. THE PAAC CHEMICAL CORPORATION, Greensburg, Pa.
Filed July 27, 1937. Serial No. 395,681. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,887. SILK, RAYON, AND ACETATE PIECE GOODS. WILLIAM COHEN FABRICS CORPORATION, New York, N. Y.
Filed July 28, 1937. Serial No. 395,699. PUBLISHED OCTOBER 5, 1937. Class 42.

352,888. MISSES' AND JUNIORS' COATS AND SUITS. FRED P. WEISSMAN INC., New York, N. Y.
Filed July 28, 1937. Serial No. 395,728. PUBLISHED SEPTEMBER 21, 1937. Class 39.

352,889. ANTISEPTIC CREAM—NAMELY, CONTRACEPTIVE CREAM. ZONITE PRODUCTS CORPORATION, New York, N. Y.
Filed July 28, 1937. Serial No. 395,730. PUBLISHED OCTOBER 5, 1937. Class 6.

352,890. LIQUID DOG SHAMPOO PREPARATION WHICH KILLS FLEAS, LICE, AND TICKS. CANE CHEMICAL COMPANY, INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,747. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,891. DISTILLED DRY GIN. JAMES WALSH & COMPANY, INC., Lawrenceburg, Ind.
Filed July 29, 1937. Serial No. 395,776. PUBLISHED OCTOBER 5, 1937. Class 49.

352,892. FOOD FOR DOGS AND CATS. BLACK PRODUCTS CO., Houston, Tex.
Filed July 26, 1937. Serial No. 395,791. PUBLISHED OCTOBER 5, 1937. Class 46.

352,893. FEMININE HYGIENE PREPARATION. STANLEY PARKINSON, doing business as Parke-Adair Products, Chicago, Ill.
Filed July 30, 1937. Serial No. 395,799. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,894. BELTING FOR LADIES' WEAR. TREMONT MILLS CORPORATION, New York, N. Y.
Filed July 30, 1937. Serial No. 395,846. PUBLISHED SEPTEMBER 28, 1937. Class 40.

352,895. YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,847. PUBLISHED SEPTEMBER 28, 1937. Class 43.

352,896. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. WILLIAM CHESTER CRISMAN, doing business as Colfax Bottling Works, Colfax, Iowa.
Filed July 31, 1937. Serial No. 395,857. PUBLISHED OCTOBER 5, 1937. Class 45.

352,897. COTTON AND WOOLEN PIECE GOODS USED AS INTERLINING FOR SUITS. LIPA LEOPOLD GANG, Brooklyn, N. Y.
Filed July 31, 1937. Serial No. 395,861. PUBLISHED OCTOBER 5, 1937. Class 42.

352,898. YARNS COMPOSED OF RAYON. AVONDALE MILLS, Birmingham, Ala.
Filed August 3, 1937. Serial No. 395,939. PUBLISHED OCTOBER 5, 1937. Class 43.

352,899. HOSIERY. G. & H. HOSIERY COMPANY, INCORPORATED, Hickory, N. C.
Filed August 3, 1937. Serial No. 395,944. PUBLISHED OCTOBER 5, 1937. Class 39.

352,900. CHEWING GUM. PACIFIC MFG. CORPORATION, Chicago, Ill.
Filed August 3, 1937. Serial No. 395,953. PUBLISHED OCTOBER 5, 1937. Class 46.

352,901. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,955. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,902. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,957. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,903. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,958. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,904. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,959. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,905. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,960. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,906. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,962. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,907. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,963. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,908. MEDICAL MONTHLY PUBLICATION. ROMAINE PIERSON PUBLISHERS, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,968. PUBLISHED SEPTEMBER 28, 1937. Class 38.

352,909. MALT POWDER FOR COMMERCIAL BAKING. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo.
Filed August 4, 1937. Serial No. 395,975. PUBLISHED OCTOBER 5, 1937. Class 46.

352,910. MALT POWDER FOR FOOD CONFECTIONS. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo.
Filed August 4, 1937. Serial No. 395,976. PUBLISHED OCTOBER 5, 1937. Class 46.

352,911. DRESSES AND APRONS FOR WOMEN AND MISSES. DECATUR GARMENT COMPANY, Decatur, Ill.
Filed August 4, 1937. Serial No. 395,981. PUBLISHED OCTOBER 5, 1937. Class 39.

352,912. PREPARATION RECOMMENDED AS AN ANTISEPTIC, DISINFECTANT, DEODORANT, AND FOR PERSONAL HYGIENE, ETC. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed August 4, 1937. Serial No. 395,997. PUBLISHED OCTOBER 5, 1937. Class 6.

352,913. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 5, 1937. Serial No. 396,025. PUBLISHED OCTOBER 5, 1937. Class 42.

352,914. RAYON YARN. AMERICAN VISCOSE CORPORATION, Marcus Hook, Pa.
Filed August 6, 1937. Serial No. 396,060. PUBLISHED OCTOBER 5, 1937. Class 43.

352,915. PIECE GOODS OF COTTON, RAYON, WOOL, SILK, AND ANY OTHER YARNS USED FOR FABRICS AND COMBINATIONS THEREOF, WIDE ELASTIC WEBBINGS AND WIDE ELASTIC SHEETINGS MADE OF PLAIN COTTON, RAYON, WOOL, SILK, AND ANY OTHER YARN NOT RUBBERIZED, BUT RUBBER BEING USED AS A COMPONENT PART OF THE CLOTH, SOLD BY THE YARD, PIECE, OR BOLT, OR IN RANDOM LENGTHS. DARLINGTON FABRICS CORPORATION, New York, N. Y.
Filed August 6, 1937. Serial No. 396,066. PUBLISHED OCTOBER 5, 1937. Class 42.

352,916. WOOD PRESERVATIVE AND INSECTICIDE. EL ROY NAVAL STORES, INC., Vidalia, Ga.
Filed August 6, 1937. Serial No. 396,067. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,917. FOLDERS AND PORTFOLIOS MADE OF LEATHER, IMITATION LEATHER, OR COMPRESSED PAPER. EDWIN P. PRESSEY, Mount Vernon, N. Y.
Filed August 7, 1937. Serial No. 396,106. PUBLISHED OCTOBER 5, 1937. Class 3.

352,918. MEN'S COATS, TOP COATS, AND SUITS. STYLE ART CLOTHES INC., New York, N. Y.
Filed August 7, 1937. Serial No. 396,108. PUBLISHED OCTOBER 5, 1937. Class 39.

352,919. BATHING TRUNKS. THE MANHATTAN SHIRT COMPANY, New York, N. Y.
Filed August 7, 1937. Serial No. 396,148. PUBLISHED OCTOBER 5, 1937. Class 39.

352,920. MEN'S AND BOYS' TROUSERS AND JACKETS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed August 7, 1937. Serial No. 396,162. PUBLISHED OCTOBER 5, 1937. Class 39.

352,921. MEN'S AND BOYS' TROUSERS AND JACKETS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed August 7, 1937. Serial No. 396,163. PUBLISHED OCTOBER 5, 1937. Class 39.

352,922. CHEMICAL COMPOUND HAVING WATER SOFTENING AND GERMICIDAL PROPERTIES FOR USE IN WASHING GLASSES USED WITH SERVICE IN PUBLIC PLACES, ETC. CALGON INCORPORATED, Pittsburgh, Pa.
Filed August 10, 1937. Serial No. 396,223. PUBLISHED SEPTEMBER 28, 1937. Class 6.

352,923. COFFEE SUBSTITUTE PROCESSED FROM SOY BEANS. THE BATTLE CREEK FOOD COMPANY, Battle Creek Township, Calhoun County, and Merrill Park, Battle Creek Township, Calhoun County, Mich.
Filed August 9, 1937. Serial No. 396,251. PUBLISHED OCTOBER 5, 1937. Class 46.

352,924. CHILDREN'S SLEEPING GARMENTS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed August 11, 1937. Serial No. 396,266. PUBLISHED OCTOBER 5, 1937. Class 39.

352,925. FRESH CITRUS FRUITS. SEABOARD LEMON ASSN., Oxnard, Calif.
Filed August 11, 1937. Serial No. 396,280. PUBLISHED OCTOBER 5, 1937. Class 46.

352,926. COTTON, RAYON, ACETATE, AND SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed August 12, 1937. Serial No. 396,298. PUBLISHED OCTOBER 5, 1937. Class 42.

352,927. COTTON, SILK, AND RAYON PIECE GOODS, VOILES, AND DRAPERY FABRICS. FEINBEAU FABRICS, New York, N. Y.
Filed August 12, 1937. Serial No. 396,303. PUBLISHED OCTOBER 5, 1937. Class 42.

352,928. MEN'S, WOMEN'S, AND CHILDREN'S HOSE. W. T. GRANT COMPANY, New York, N. Y.
Filed August 12, 1937. Serial No. 396,311. PUBLISHED OCTOBER 5, 1937. Class 39.

352,929. MALT BEVERAGES. THE RENNER COMPANY, Youngstown, Ohio.
Filed August 12, 1937. Serial No. 396,336. PUBLISHED OCTOBER 5, 1937. Class 48.

352,930. HOSIERY. PHOENIX HOSIERY COMPANY, Milwaukee, Wis.
Filed August 16, 1937. Serial No. 396,470. PUBLISHED OCTOBER 5, 1937. Class 39.

352,931. MEN'S AND BOYS' SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed August 19, 1937. Serial No. 396,571. PUBLISHED OCTOBER 5, 1937. Class 39.

352,932. WHISKEY. KINSEY DISTILLING COMPANY, Linfield and Philadelphia, Pa.
Filed August 27, 1937. Serial No. 396,817. PUBLISHED OCTOBER 5, 1937. Class 49.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

352,933. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOSEPH BANCROFT & SONS CO., Wilmington and Rockford, Wilmington, Del. Filed Oct. 4, 1935. Serial No. 370,071.

Stand-Fast

For Processed and Waterproofed Cotton Piece Goods Which Is Used for Shade Cloth.
Claims use since Sept. 26, 1935.

352,934. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed July 1, 1936. Serial No. 380,475.

BRAZE-RITE

For Electric Heating Furnaces.
Claims use since May 20, 1936.

352,935. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MCKESSON & ROBBINS, INCORPORATED, Fairfield and Bridgeport, Conn. Filed Oct. 22, 1936. Serial No. 384,665.

Idrops

For Eye Preparation.
Claims use since Oct. 16, 1936.

352,936. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MAURICE MUNET, Brooklyn, N. Y. Filed Nov. 9, 1936. Serial No. 385,300.

CHRYSLER

For Watches.
Claims use since Oct. 22, 1936.

352,937. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREDERICK CONRAD KIMMEL, Rochester, N. Y. Filed Apr. 30, 1937. Serial No. 392,099.

BROILRITE

For Portable Electric Heating and Cooking Stoves and Electric Broilers.
Claims use since Jan. 14, 1932.

352,938. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CLARENCE L. STEPHENS, New York, N. Y. Filed July 22, 1937. Serial No. 395,545.

PICTURE GUN

For Toy Picture Projectors.
Claims use since Sept. 28, 1936.

352,939. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ROBERT B. WHEELAN, doing business as Wheelan Studios, New York, N. Y. Filed Aug. 2, 1937. Serial No. 395,938.

MULTIFOTO

For Photographic Cameras.
Claims use since Aug. 20, 1934.

352,940. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MUNDER ELECTRICAL COMPANY, Springfield, Mass. Filed Aug. 16, 1937. Serial No. 396,468.

Munder

For Electric Lamps for Photographic Purposes.
Claims use since January, 1931.

352,941. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DARTMOUTH CO-OPERATIVE SOCIETY, INC., Hanover, N. H. Filed Sept. 7, 1937. Serial No. 397,185.

PRECISION

For Skis and Ski Hitch Brackets, Bindings, Poles, and Straps.
Claims use since Sept. 1, 1934.

352,942. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DARTMOUTH CO-OPERATIVE SOCIETY, INC., Hanover, N. H. Filed Sept. 7, 1937. Serial No. 397,186.

DARTMOUTH

For Skis and Ski Hitch Brackets, Bindings, Poles, and Straps.
Claims use since Sept. 15, 1934.

352,943. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) COOKWARE COMPANY OF AMERICA, Hartford, Mich. Filed Sept. 18, 1937. Serial No. 397,532.

COOKWARE COMPANY of AMERICA

For Base Metal Cooking Hollowware.
Claims use since Oct. 12, 1932.

352,944. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUDLUM STEEL CO., Watervliet, N. Y. Filed Sept. 24, 1937. Serial No. 397,761.

DEWARD

For Tool-Steels.
Claims use since Jan. 1, 1916.

TRADE-MARK REGISTRATIONS RENEWED

109,633. **OLEOMARGARIN.** Registered April 11, 1916. BLANTEN MANUFACTURING COMPANY. Renewed April 11, 1936, to The Blanten Company, St. Louis, Mo., a corporation of Missouri, by change of name.

119,341. **A HAIR-TONIC IN LIQUID FORM FOR EXTERNAL USE.** Registered November 13, 1917. JAMES P. MANO, Brooklyn, N. Y. Renewed November 13, 1937.

119,455. CERTAIN NAMED FOODS. Registered November 20, 1917. ALFRED JONES' SONS. Renewed November 20, 1937, to Alfred Jones Company, Bangor, Maine, a corporation of Maine, successor.

119,459. PIANOS. Registered November 20, 1917. Lyon & Healy. Renewed November 20, 1937, to Lyon & Healy, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

119,702. CERTAIN NAMED FOOTWEAR MADE OF LEATHER, CANVAS, CLOTH, OR LIKE MATERIAL. Registered December 11, 1917. M. GUSTIN CO. Renewed December 11, 1937, to Max Gustin, New York, N. Y., assignee.

119,736. DECORATED TABLEWARE OF PORCELAIN AND EARTHENWARE. Registered December 11, 1917. LENOX, INCORPORATED, Trenton, N. J., a corporation of New Jersey. Renewed December 11, 1937.

120,212. A GRANULATED COMBINATION OF CERTAIN SALTS FOR INTERNAL USE. Registered January 15, 1918. FREDERICK H. PAXTON, Chicago, Ill. Renewed January 15, 1938.

120,249. SILK, FOULARDS, FLORENTINES, SATINS, VELVETS, AND PLUSHES IN THE PIECE AND SILK AND VELVET RIBBONS. Registered January 29, 1918. CHENEY BROTHERS, South Manchester, Conn. Renewed January 29, 1938, to Cheney Brothers, New York, N. Y., a corporation of Connecticut.

120,285. CERTAIN NAMED FOODS. Registered January 29, 1918. PERKINS-ESPENETER PICKLE CO., Denver, Colo., a corporation of Colorado. Renewed January 29, 1938.

120,524. COTTON PIECE GOODS. Registered February 12, 1918. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed February 12, 1938.

120,726. A REMEDY, A LINIMENT, AND AN OINTMENT FOR THE TREATMENT OF CERTAIN NAMED AILMENTS. Registered March 5, 1918. THE ECO REMEDY COMPANY, Salt Lake City, Utah. Renewed March 5, 1938.

121,092. COTTON PIECE GOODS. Registered April 2, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed April 2, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

121,140. WHOLE BLANCHED SALTED PEANUTS. Registered April 9, 1918. PLANTERS NUT & CHOCOLATE CO., Wilkes-Barre, Pa. Renewed April 9, 1938, to Planters Nut & Chocolate Company, Wilkes-Barre, Pa., and Suffolk, Va., a corporation of Pennsylvania.

121,203. COTTON PIECE GOODS. Registered April 16, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed April 16, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

121,210. GOLF-BALLS. Registered April 16, 1918. ST. MUNGO MANUFACTURING COMPANY OF AMERICA, Newark, N. J. Renewed April 16, 1938, to A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y., a corporation of New Jersey, assignee.

121,413. WOOLEN, WORSTED, HAIR, SILK, AND COTTON PIECE GOODS AND PIECE GOODS CONTAINING A MIXTURE OF SAME. Registered April 30, 1918. THE CRAVENETTE CO., U. S. A., Hoboken, N. J., a corporation of New Jersey. Renewed April 30, 1938.

121,417. CARAMELS AND CANDY. Registered April 30, 1918. DEMONETS' INCORPORATED, Washington, D. C., a corporation of the District of Columbia. Renewed April 30, 1938.

121,486. CERTAIN NAMED CLOTHING. Registered April 30, 1918. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed April 30, 1938, to Pacific Mills, Boston, Mass., a corporation of Massachusetts.

121,596. ORANGES, LEMONS, AND GRAPE-FRUIT. Registered May 14, 1918. COBB & DOFFLEMYER, Exeter, Calif., a firm. Renewed May 14, 1938.

121,611. A PAINT-SURFACER. Registered May 14, 1918. FLOOD & CONKLIN CO., Newark, N. J., a corporation of New Jersey. Renewed May 14, 1938.

LABELS

REGISTERED DECEMBER 14, 1937

50,449.—*Title:* FLEM-O-LYN. For Emulsion for Treatment of Coughs Due to Colds. THE ALKINE COMPANY, New Brunswick, N. J. Published August 1, 1937.

50,450.—*Title:* OLD DUTCH. For a Concentrated Cleaning and Washing Compound. EDWARD L. BERGER, doing business as Old Dutch Chemical Company, Brooklyn, N. Y. Published October 4, 1937.

50,451.—*Title:* PURE-O-CLORE. For Composition for Sterilizing, Bleaching, Deodorizing, and Removing Stains. BLUE CROSS CHEMICAL COMPANY, Chicago, Ill. Published October 13, 1937.

50,452.—*Title:* SLICED GOLD TOP. For Bread. CENTRAL WAXED PAPER COMPANY, Chicago, Ill. Published November 9, 1937.

50,453.—*Title:* THREE SISTERS CLEANSING PADS. For Cleansing Pads for the Skin. CLARK-MILLNER COMPANY, Chicago, Ill. Published June 10, 1937.

50,454.—*Title:* COMFORT TISSUE. For Toilet Tissue. COMFORT PAPER CORPORATION, San Francisco, Calif. Published September 1, 1935.

50,455.—*Title:* FANTAISIE. For Chocolates. DAGGETT CHOCOLATE COMPANY, doing business as The Marquise Chocolate Co., Cambridge, Mass. Published August 22, 1936.

50,456.—*Title:* FOUR-STATE MOTOR OIL. For Motor Oil. THE FREEDOM OIL WORKS COMPANY, Freedom, Pa. Published December 10, 1936.

50,457.—*Title:* 'JUNKET' BRAND RENNET POWDER. For a Preparation for Making Milk into Rennet-Custard Desserts. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Published May 1, 1937.

50,458.—*Title:* DROMEDARY TAPIOCA. For Tapioca. THE HILLS BROTHERS COMPANY, New York, N. Y. Published June 1, 1937.

50,459.—*Title:* FASHIONETTE UTILIFORM OF PRE-SHRUNK LINOLIN. For Uniforms and Utility Frocks. S. L. HOFFMAN & CO., INC., New York, N. Y. Published September 19, 1937.

50,460.—*Title:* JOHNSON'S GLO-COAT. For Floor Polish. S. C. JOHNSON & SON, INC., Racine, Wis. Published October 18, 1937.

50,461.—*Title:* JOHNSON'S LIQUID WAX. For Liquid Wax. S. C. JOHNSON & SON, INC., Racine, Wis. Published October 13, 1937.

50,462.—*Title:* KRUNCHY. For Peanut Butter. THE KELLY CO., Cleveland, Ohio. Published September 2, 1937.

50,463.—*Title:* 'COUNTRY CLUB' SALTED SODA CRACKERS. For Soda Crackers. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Published October 15, 1937.

50,464.—*Title:* KEMP'S CROCUS BLOSSOMS. For Chocolate Hand Dipped Confections. E. F. KEMP, INC., Somerville, Mass. Published September 7, 1937.

50,465.—*Title:* LEDKOTE 25-30 U. T. For Lead Coated Copper Flat Sheets. LEDKOTE PRODUCTS COMPANY, Long Island City, N. Y. Published June 10, 1937.

50,466.—*Title:* LEDKOTE 50 U. T. For Fabricated Lead Coated Copper Products. LEDKOTE PRODUCTS COMPANY, Long Island City, N. Y. Published June 10, 1937.

50,467.—*Title:* STRENGTH OF THE LOOM. For Dry Goods. I. JOSEPH LEON, Freeport, N. Y. Published July 6, 1937.

50,468.—*Title:* ALOHA POMADE OIL. For Pomade Oil. MARIE S. LILLY, Los Angeles, Calif. Published February 8, 1937.

50,469.—*Title:* PALAIS ROYAL. For Robes. MATSIL BROTHERS, New York, N. Y. Published February 2, 1937.

50,470.—*Title:* ALKALEYES. For Eye Wash. MODERNE LABS, Brownstown, Ind. Published November 9, 1937.

50,471.—*Title:* 2 CENTA COOKIE. For Cookies. MOUNTAIN CITY MILL COMPANY, doing business as Chattanooga Bakery, Chattanooga, Tenn. Published October 11, 1937.

50,472.—*Title:* 'NOIL' LIQUID SUN SHADE. For Preparation for Preventing Sunburn. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Published May 7, 1937.

50,473.—*Title:* POP-E POP CORN, SOUTHERN MINNESOTA POPCORN COMPANY. For Popcorn. J. H. NUETZMAN, Kasson, Minn. Published September 13, 1937.

50,474.—*Title:* MISS WISCONSIN. For Canned Peas. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis. Published September 15, 1937.

50,475.—*Title:* BUDDIE. For Canned Peas. OCONOMOWOC CANNING COMPANY, Oconomowoc, Wis. Published September 15, 1937.

50,476.—*Title:* IMPERIAL-ICE-BOX-COOKIES. For Ice Box Cookies. FREDERICK G. PARKER, Boston, Mass. Published October 9, 1937.

50,477.—*Title:* PLANTERS PEANUTS PICK OF THE PLANTATION. For Peanuts. PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Published October 9, 1937.

50,478.—*Title:* TOASTED POPHITTS. For Breakfast Foods. PUFFED CEREALS INCORPORATED, Minneapolis, Minn. Published October 11, 1937.

50,479.—*Title:* CHILD TESTED & APPROVED. For Toys and Games. LILLIAN RIFKIN, doing business as Tested Toy Laboratory, New York, N. Y. Published September 2, 1937.

50,480.—*Title:* VIRTUE CHROME FURNITURE. For Chrome Furniture. VIRTUE BROS. MFG. CO., Los Angeles, Calif. Published September 7, 1937.

50,481.—*Title:* GLO-WYN. For Chocolates. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Published August 31, 1937.

50,482.—*Title:* FLEM-O-LYN. For an Emulsion for Treatment of Coughs Due to Colds. THE ALKINE COMPANY, New Brunswick, N. J. Published August 1, 1937.

PRINTS

REGISTERED DECEMBER 14, 1937

16,604.—*Title:* GIFT FROM THE GAY 90'S. For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published November 12, 1937.

16,605.—*Title:* FIFTH AVENUE HAIR FASHIONS. For Hair Curlers. HAIR NET PACKERS, INC., New York, N. Y. Published September 30, 1937.

16,606.—*Title:* PARK AVENUE HAIR FASHIONS. For Hair Curlers. HAIR NET PACKERS, INC., New York, N. Y. Published September 30, 1937.

16,607.—*Title:* RECIPE FOR SMARTNESS 'PLEATED PLAID' . . . AGAIN BECAUSE YOU REQUESTED IT—THE ORIGINAL FORMFLEX DRESSES. For Dresses. S. L. HOFFMAN & CO., INC., New York, N. Y. Published November 12, 1937.

16,608.—*Title:* DOT. For Pull Toys. GEO. C. LUNDQUIST, San Francisco, Calif. Published April 25, 1937.

16,609.—*Title:* SAFE-WAY. For Extension Cord Connectors. NU WAY PRODUCTS, INC., Milwaukee, Wis. Published September 20, 1937.

16,610.—*Title:* PLANTERS ALWAYS HIT THE SPOT. For Peanuts. PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Published October 9, 1937.

16,611.—*Title:* SIMMONS ARROWROOT DESSERT. For a Dessert. SIMMONS DISTRIBUTING CO. INC., New York, N. Y. Published September 22, 1937.

16,612.—*Title:* OF ALL YOUR FACULTIES. For Lenses. SOFT-LITE LENS CO., INC., New York, N. Y. Published September 6, 1937.

16,613.—*Title:* A REFLECTION OF QUALITY FOR ANY AUTOMOBILE WITH WHICH IT IS ASSOCIATED. For Roller Bearings. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio. Published July 10, 1937.

REISSUES

DECEMBER 14, 1937

20,578
METHOD OF TREATING FOOD PRODUCTS AND RESULTING PRODUCT

Samuel Henry Ayers and Charles W. Lang, Philadelphia, Pa., assignors, by mesne assignments, to Crown Can Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Original No. 2,054,066, dated September 15, 1936, Serial No. 629,719, August 20, 1932. Application for reissue September 2, 1937, Serial No. 162,210

15 Claims. (Cl. 99—155)

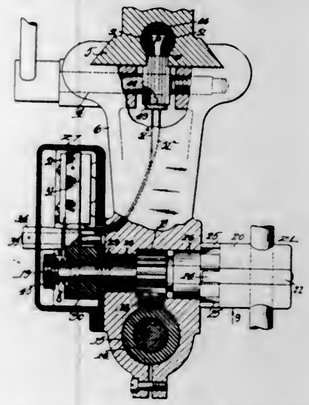
1. The method of treating fruit juices which includes the steps of concentrating a quantity of fruit juice to about 90% of its original volume, placing such concentrated fruit juice in a plurality of final containers, subjecting the fruit juice in the final containers and at a suitable temperature to the action of steam passing therethru at a sterilizing temperature, and sealing all the containers with substantially the same pressure therein.

20,579
HAND OPERATED, ELECTRIC CONTROLLED, TAPPING DEVICE

Benjamin S. T. Bishop, Shrewsbury, and Percival E. Dow, Leicester, Mass., assignors to Leland-Gifford Company, a corporation of Massachusetts

Original No. 1,970,218, dated August 14, 1934, Serial No. 715,932, March 16, 1934. Application for reissue August 12, 1936, Serial No. 95,698

39 Claims. (Cl. 10—136)



1. In a tapping machine, the combination with a reciprocable spindle for supporting a tap and a reversible motor for rotating the spindle, of a solenoid having means for reversing the motor, a sliding head, a pair of wires insulated from each other, said wires being connected with the solenoid, a pair of brushes carried by the sliding head, each in contact with one of said wires, a switch for electrically connecting said brushes, a switch finger for closing the switch, and means whereby, when the spindle descends the switch finger will be operated to close the switch.

20,580
SCREW

Frank K. Brown, South Dartmouth, Mass., assignor to Continental Screw Company, New Bedford, Mass., a corporation of Massachusetts

Original No. 2,062,550, dated December 1, 1936, Serial No. 734,034, July 6, 1934. Application for reissue March 2, 1937, Serial No. 128,681

3 Claims. (Cl. 85—47)



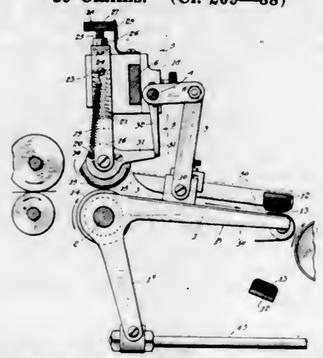
2. A self-tapping screw fastener of the kind described having a head, a cylindrical shank constituting a holding portion formed with continuous threads throughout the greater length of said shank, a blunt rectangular entering end formed with flat faces extending from each side of the rectangular end at a slightly flaring angle, said flat sides reaching to the thread-holding portion, the flaring flat faces providing correspondingly flaring corners between said flat faces from the blunt entering end to the thread-holding portion, and cutting threads on said corners whereby a self-centering blunt-ended screw with a thread-cutting portion and a continuous thread-holding portion is provided.

20,581
BLANK CONVEYING APPARATUS

William Ward Davidson, Evanston, Ill.

Original No. 1,930,510, dated October 17, 1933, Serial No. 320,856, November 21, 1928. Renewed February 13, 1933. Application for reissue October 16, 1935, Serial No. 45,300

39 Claims. (Cl. 209—88)



1. In combination, blank conveying means, a movably supported member for diverting blanks exceeding a predetermined thickness from a contemplated path, a caliper for detecting blanks of excess thickness comprising a movable member, and means for supporting said diverting member in non-diverting position comprising means in association with said movable caliper member, and means separate from said movable caliper member, operable during the calipering operation and arranged to disengage said mov-

able caliper member and said diverting member, thereby freeing said movable caliper member.

17. In conveying apparatus for sheets of paper, constituting blanks, the combination of calipering means comprising a rotatable member, and a movable member having a blank contacting surface opposed to the rotatable member, said members being spaced apart sufficiently to permit the undetected entrance and passage there-between of blanks of a predetermined thickness, blank gripping and advancing rolls associated with the calipering means and adapted to convey blanks through and discharge them from the calipering means, the construction being such that the blank contacting surface of the caliper means is disposed substantially in the transverse plane of the gripping and advancing rolls but not rearwardly thereof so that the rolls grip the forward edges of the blanks substantially at the instant but not later than when said forward edges of the blanks reach the calipering members, and means for diverting blanks exceeding the predetermined thickness from a predetermined normal line of feed of single blanks.

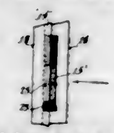
20,582

ART OF COMPOSITE PHOTOGRAPHY

Charles B. Dreyer, Los Angeles, Calif., assignor to Henry F. Beeger, Los Angeles, Calif.

Original No. 2,056,508, dated October 6, 1936, Serial No. 733,403, July 2, 1934. Application for reissue November 28, 1936, Serial No. 113,266

12 Claims. (Cl. 88—16)



1. In a method of forming a composite photograph from two separate negatives bearing a background image and a foreground image respectively, the steps of: forming a latent unstable image of the background image upon the final negative by printing the background negative upon the final negative with light of wave lengths shorter than about 0.5 micron; then rendering the latent background image undevelopable in those portions only in which the foreground image is to be recorded, by subjecting those portions of the latent image upon the final negative to light of wave lengths longer than that to which the final negative emulsion is sensitive; forming a latent unstable image of the foreground image in those portions of the final negative in which the background image was rendered undevelopable; and finally developing such final negative and exposing it to light of substantially the entire spectrum during such developing to produce a composite photograph containing desired portions of the background image and the foreground image.

20,583

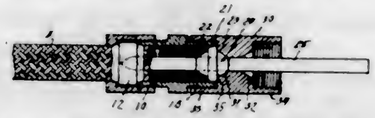
FLEXIBLE TUBING

Stephen Guarnaschelli, Corona, Long Island, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of Delaware

Original No. 2,041,543, dated May 19, 1936, Serial No. 713,825, March 3, 1934. Application for reissue August 31, 1937, Serial No. 161,808

7 Claims. (Cl. 285—72)

1. In combination, a flexible metallic, corrugated tube, a coupling member surrounding an end portion of the tube, means for anchoring said member at a point spaced from said end, against movement in the direction of said end, the inner surface of said member being spaced from the outer surface of the end portion of the tube, a second coupling member threaded to said first coupling member and enclosing a conical



projection arranged to engage the end of the tube and as said second coupling member is threaded on said first coupling member to compress the end of the tube, beyond said anchor point, into a substantially solid mass and for forming a seal between the tube and conical projection.

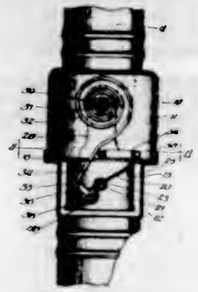
20,584

THERMOSTATIC VALVE

Peter J. Jorgensen, deceased, late of Elmhurst, Ill., by Clarence H. Jorgensen, administrator, Anderson, Ind., and Clarence H. Jorgensen, Anderson, Ind.

Original No. 1,991,392, dated February 19, 1935, Serial No. 576,526, November 21, 1931. Application for reissue April 13, 1935, Serial No. 16,268

17 Claims. (Cl. 236—34)



3. A temperature responsive control system comprising a casing adapted to conduct fluid flow therethrough, a shell disposed within said casing, a valve movably supported by said shell and adapted to control the flow of fluid through said casing, spaced brackets carried by said shell, a flat fluid filled expansible bellows arranged edgewise with respect to the flow through the casing, a lever fulcrumed on one of said brackets and connected with said valve at one end and at its other end with one end of the bellows, that end of said bellows being thereby supported by said lever from said one bracket, and means connecting the other end of the bellows with the other bracket.

20,585

ELECTRIC SOCKET AND CASING

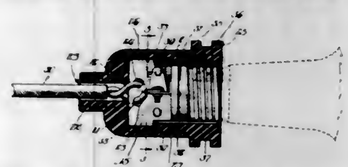
Francis C. Kollath, Chicago, Ill., assignor of one-half to Daniel Woodhead, Evanston, Ill.

Original No. 2,018,134, dated October 22, 1935, Serial No. 436,289, March 17, 1930. Application for reissue May 8, 1936, Serial No. 78,725

11 Claims. (Cl. 173—358)

1. In combination, a flexible rubber open-ended casing having alined grooves extending from the margin of the opening, said grooves merging with deeper grooves and providing shoulders, a flat

base in said casing and engaging said grooves, said base having projections received in said deeper



grooves, said projections providing shoulders engaging the first shoulders and holding the base in position.

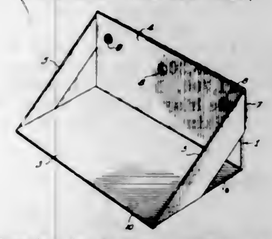
20,586

ELEVATOR BUCKET

Leonard C. Ponting, Pawtucket, R. I., and Arthur G. Kliwer, Abilene, Kans.

Original No. 2,031,064, dated February 18, 1936, Serial No. 718,841, April 3, 1934. Application for reissue June 19, 1937, Serial No. 149,264

4 Claims. (Cl. 198—152)



2. An elevator bucket for endless carrier belts operating within conveyor housings having side walls traversed by the sides of the bucket, comprising a horizontal bottom, an upwardly projecting back wall at the rear edge of said bottom, and side portions forming bottom supporting members connecting the forward portions of the ends of said bottom with upper portions of said back wall, both of said side portions being constructed to provide air vent openings at the corresponding sides of the bucket in position for traversing the inner faces of the side walls of the conveyor housing and located substantially within the planes of the corresponding sides of the bucket.

20,587

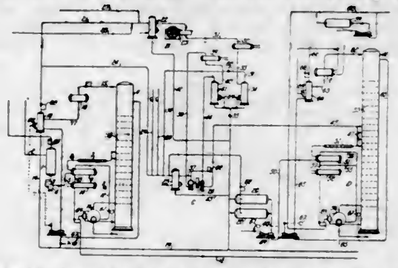
METHOD OF RECOVERING HYDROCARBON VAPORS

Paul M. Raigorodsky, Tulsa, Okla., assignor to Petroleum Engineering, Inc., Tulsa, Okla., a corporation of Delaware

Original No. 1,977,067, dated October 16, 1934, Serial No. 505,381, December 29, 1930. Application for reissue September 11, 1936, Serial No. 100,286

7 Claims. (Cl. 196—11)

7. The method of recovering desirable hydrocarbons from an original normally gaseous charge consisting mainly of normally gaseous constituents and containing said desirable hydrocarbons which consists in dividing said charge into a gaseous stream and a liquid stream by subjecting said charge to stage compression and cooling at progressively increasing pressures, with separation of condensate from the uncondensed portion of the charge between the stages except the final one, the finally uncondensed portion of said charge forming said gaseous stream and said condensate forming said liquid stream, introducing said liquid stream into a rectification zone, also introducing said gaseous stream directly into said zone, rectifying said streams in said zone into a stabilized fraction containing said



desirable hydrocarbons which is withdrawn from the lower portion of said zone and withdrawing the remainder of said charge from the upper portion thereof.

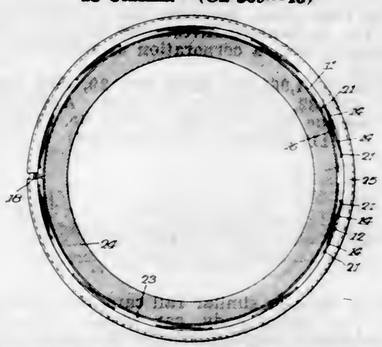
20,588

PISTON RING EXPANDER

Herman Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Original No. 2,025,334, dated December 24, 1935, Serial No. 23,477, May 25, 1935. Application for reissue October 21, 1937, Serial No. 170,243

13 Claims. (Cl. 309—43)



1. A one-piece spring steel piston ring expander comprising a supporting band, leaf portions in overlying substantially concentric relation to the supporting band, necks integral with one edge of said band and one edge of the leaf portions, and means spacing the leaf portions from the supporting band.

20,589

DRIVE MECHANISM FOR SHAKER CONVEYERS

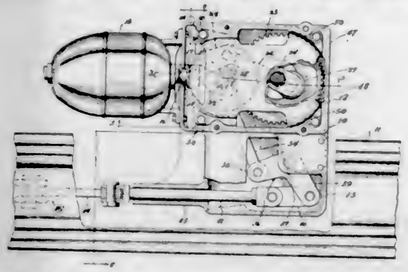
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original No. 2,026,103, dated December 31, 1935, Serial No. 644,666, November 28, 1932. Renewed June 3, 1935. Application for reissue November 1, 1937, Serial No. 172,296

19 Claims. (Cl. 198—220)

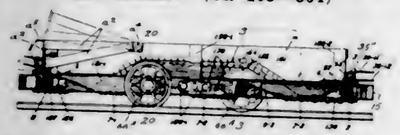
2. In a shaker conveyer operating mechanism, the combination with a reciprocably driven conveyer trough, of a casing, a rotatable driving member mounted within said casing, two rocking members mounted within said casing for move-

ment about parallel pivotal axes, an operative connection between said rotatable member and one of said rocking members, a driving connection between said other rocking member and said conveyer trough for reciprocably driving said conveyer trough, and a connecting member for connecting said devices together, said rocking



members being so proportioned and arranged with respect to said connecting member that their axes of pivotal movement are on opposite sides of the longitudinal center line of said connecting member and the motion of said connecting member from one end of the stroke to the other is a substantially parallel motion.

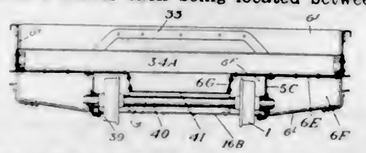
20,590
MINE AND OTHER CAR
Audley Hart Stow, deceased, late of Charleston, W. Va., by Sanford Investment Company, Wilmington, Del., a corporation of Delaware, assignee
Original No. 1,961,017, dated May 29, 1934, Serial No. 424,132, November 15, 1920. Application for reissue May 28, 1936, Serial No. 82,381
117 Claims. (Cl. 105—364)



48. In mine or similar rail cars, the combination of a lading body, car wheels, car axles, flanged metal longitudinal side sill-means which are located between opposite wheels and are of themselves sufficiently stiff to support the lading body without harmful end-drooping, and the said sill-means having upright portions located at least in part below the horizontal plane of the axes of the car wheels, a sub-axle lading bottom and axle boxings having upright longitudinal walls located at least in part in the lading space and inside the upright walls of oppositely disposed side sill-means and rigidly secured thereto.

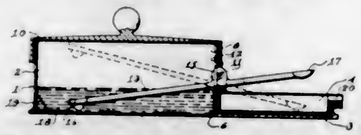
20,591
SIDEWISE DUMPING MINE CAR AND THE LIKE
Audley Hart Stow, deceased, late of Charleston, W. Va., by Sanford Investment Co., assignee, Wilmington, Del., a corporation of Delaware
Original No. 1,961,019, dated May 29, 1934, Serial No. 707,911, April 21, 1924. Application for reissue May 28, 1936, Serial No. 82,382
71 Claims. (Cl. 105—364)

63. In a mine or similar rail car, the combination of means providing a lading body having upright side closure walls at the extreme outside of the lading body, longitudinal metal stiffening means for said lading body located between the upright planes of the said side closure walls and including side sills, members spaced from said side sills and having upright walls extending longitudinally of the lading body, car wheels and axles, said wheels each being located between a



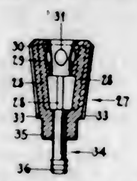
side sill and the said member adjacent such side sill, the plane of the wheel axes intersecting the side sills, axle guiding and supporting means located outside the corresponding wheels and rigidly attached to the lading body structure and effective for permitting the wheel to move downward when the car is passing over an uneven track.

20,592
ASHTRAY
Albert A. Vuccino, New York, N. Y.
Original No. 2,028,304, dated January 21, 1936, Serial No. 11,700, March 18, 1935. Application for reissue May 15, 1937, Serial No. 142,841
9 Claims. (Cl. 131—51)



1. In an ash tray and the like, means for holding a supply of liquid, and a swingable liquid-conveying member associated with said means, one end of said member being adapted to be normally submerged in said liquid while the other end is raised above the level of said liquid, whereby when said other end is depressed the liquid is caused to flow thereto.

20,593
FAUCET CONNECTION
Samuel L. Weiss, Brooklyn, N. Y.
Original No. 2,085,841, dated July 6, 1937, Serial No. 64,197, February 17, 1936. Application for reissue October 28, 1937, Serial No. 171,592
3 Claims. (Cl. 285—90)



3. In a detachable coupling for securely connecting a hose to a faucet, comprising a rubber body having an outer shell adapted at the lower end for connection to a hose, the upper end of said body having an inwardly extending annular flange, said flange having a downwardly extending sleeve spaced from said shell, and a plurality of longitudinal ribs connecting said sleeve and the inner surface of said outer shell in said spaced relation.

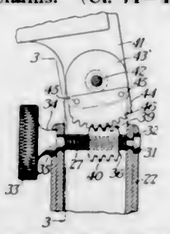
20,594
METHOD OF TREATING INVERT SYRUP, HONEY, AND THE LIKE
Robert S. Anthony, New York, N. Y.
No Drawing. Original No. 2,094,053, dated September 28, 1937, Serial No. 53,930, December 11, 1935. Application for reissue October 12, 1937, Serial No. 168,578
3 Claims. (Cl. 127—42)

1. The method of extracting levulose from substances containing invert sugar such as crystallized invert syrup and crystallized honey, comprising adding ethyl alcohol with the substance to the point where the ratio of alcohol to alcohol and water is of the order of 85% and the ratio of total solids to alcohol and water is of the order of 40%, thoroughly mixing them at a temperature of the order of 75 degrees F., causing the mixture to attain equilibrium, and separating the liquid phase therefrom.

PATENTS

GRANTED DECEMBER 14, 1937

2,101,830
TILTING MECHANISM FOR PROJECTORS
David L. Babcock, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 5, 1937, Serial No. 129,259
10 Claims. (Cl. 74—424.8)

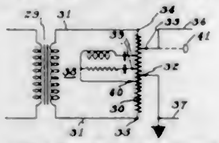


1. A tilting mechanism comprising a base member, having a channel, a driving screw journaled in said base member, and extending through said channel, a rack member threaded on said driving screw, said rack member engaging the walls of the channel in said base member whereby it is prevented from rotation relative to the base member but is compelled to slide along the driving screw when said screw is rotated, a mechanism to be tilted pivotally mounted on said base member, and an arcuate toothed segment fixed to the pivoted end of the mechanism and extending into the channel to be in engagement with the rack member, whereby a sliding of the rack member relative to the base member effects a tilting of the mechanism relative to the base member.

2,101,831
SULPHATED SELACHYL ALCOHOL
Alfred William Baldwin and Hugh Mills Bunbury, Blackley, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application January 23, 1935, Serial No. 3,198. In Great Britain February 9, 1932
6 Claims. (Cl. 260—99.12)

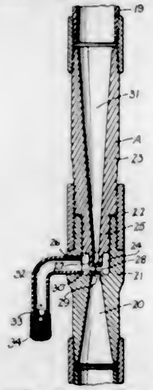
5. A sulphuric ester of selachyl alcohol.

2,101,832
VOLUME CONTROL CIRCUITS
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 12, 1934, Serial No. 725,272
20 Claims. (Cl. 178—44)



14. In an audio frequency volume control system, a control device including a shunt impedance element, at least one frequency discriminating signal attenuating means connected directly in shunt to a fixed portion of said element, and means providing two independently variable output connections with said element, the one including and the other excluding, said fixed portion.

2,101,833
FLUID OPERATED PUMP
Sidney Q. Bates, Houston, Tex.
Application June 23, 1934, Serial No. 732,112
3 Claims. (Cl. 103—260)



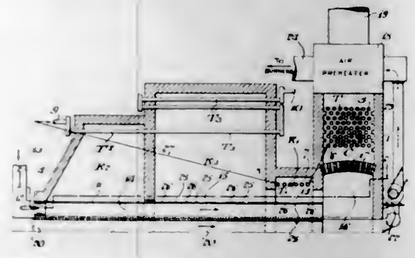
1. An eduction tube for wells, a Venturi passage therein having an upstream inwardly tapering portion, a shoulder at the inner end of said tapered portion, a constricted orifice adjacent thereto, a cylindrical constriction downstream from said orifice, a chamber surrounding said constriction, said orifice being spaced from said cylindrical constriction to form a gap in said passage communicating with said chamber, a flaring end to said passage downstream from said constriction, and an inlet to said chamber.

2,101,834
COMPOSITIONS OF MATTER FOR PHOTOGRAPHIC PROCESSING BATHS
Fred R. Bean, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application January 29, 1936, Serial No. 61,428
3 Claims. (Cl. 95—88)

1. A dry mixture of chemicals, suitable for preparing an acid hardening fixing bath by dissolving in water, comprising sodium thiosulfate, potassium alum, and, as an essential acidifying component, an anhydrous acid sodium acetate.

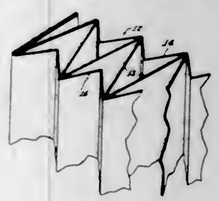
2,101,835
HEAT TRANSFER SYSTEM
James S. Alcorn, Wynnewood, Pa., assignor to Alcorn Combustion Company, Philadelphia, Pa., a corporation of Delaware
Application March 12, 1928, Serial No. 260,956
Renewed February 3, 1936
29 Claims. (Cl. 196—47)

10. A heat transfer system comprising separate heating chambers, banks of bare heat absorption tubes disposed respectively in said chambers, a combustion system having walls disposed in said chambers and constituting sources of heat radiated directly therefrom to said tubes, the source of radiant heat in one of said chambers occupying a portion thereof having a greater length than that portion of the said chamber occupied by the tubes therein, whereby radiation of heat to said tubes is effected at high rate per unit of area of said tubes per unit of time, and means for reducing the rate of radiation of heat to the tubes in another of said chambers comprising division of the radiating wall structure in said other of said chambers into components having different heat radiating effects.



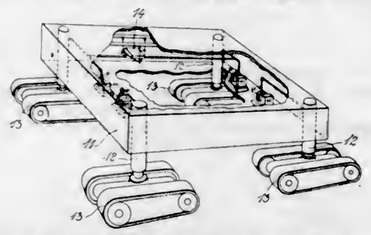
23. A heat transfer system comprising separate heating chambers, banks of heat absorption tubes disposed respectively in said chambers, a radiation combustion chamber common to said heating chambers having wall structure radiating heat to the tube banks in said heating chambers, the cross section of said radiation combustion chamber being less in one of said heating chambers than in the preceding heating chamber, and means for interconnecting said tube banks for passage of fluid therethrough in succession.

2,101,836
THERMAL INSULATING BUILDING UNIT
Edward L. Benedict, New York, N. Y., assignor to Elb Products, Inc., New York, N. Y., a corporation of New York
Application October 21, 1936, Serial No. 106,709
7 Claims. (Cl. 154—45)



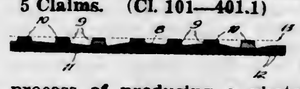
1. A thermal insulating unit comprising an accordion-plaited-like foundation having the ability to be expanded and contracted laterally and comprising a series of slat-like portions connected together so that on expansion or contraction a hinge-like movement occurs at the connections of said slat-like portions, and a heat reflective metal accordion-plaited-like covering for said foundation on at least one side thereof, said covering also including slat-like portions of less width than those of the foundation and attached by hinge-like connections to said foundation at at least some of said hinge-like portions thereof on at least one side.

2,101,837
LEVELING DEVICE
Luther E. Blanchett, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application May 13, 1936, Serial No. 79,594
19 Claims. (Cl. 200—52)



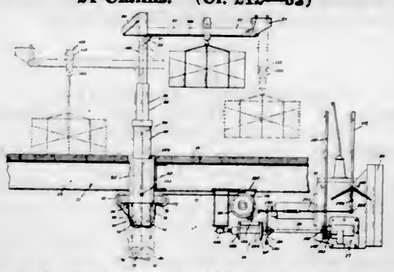
1. In a control for a leveling device, the combination of: two level-responsive control means, each responsive to change of level in a vertical plane at right angles to that of the other; and means suspending the above-described apparatus from the device to be leveled, so as to permit shifting in all directions in parallel relation thereto.

2,101,838
PRINTING CUT
Joseph T. Cochran, Chicago, Ill.
Application October 28, 1935, Serial No. 46,979
5 Claims. (Cl. 101—401.1)



1. The process of producing a photographic printing plate from a thin flexible positive film coated with a sensitized gelatine emulsion which comprises the photographic formation of relief printing surfaces of high-light and shadow dots of varying heights on said film, in accentuating the height variation of the dots, and in applying a resilient backing to the film which will permit the latter to yield for bringing the printing surfaces of the dots into alignment when printing pressure is applied to the backing.

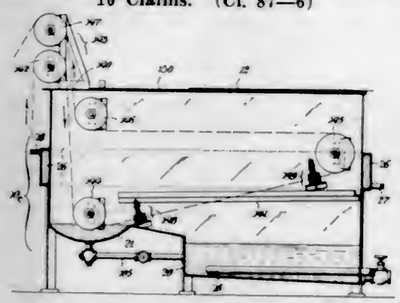
2,101,839
POWER HOIST
Beatty M. Crawford, Santa Ana, Calif.
Application November 5, 1935, Serial No. 48,328
24 Claims. (Cl. 212—63)



1. In a hoist, a boom having a track, a cable extending longitudinally of the boom adjacent the track, a guide means at the outer end of the boom for the cable to guide the cable upwardly, a supporting structure adjacent the end of the boom for the end of the cable, a load carrier having a wheel for running on the track and a

pulley for engaging the cable, a releasable winding means for the cable operative whereby a load may be supported beyond the end of the boom by a double drop of the cable engaging the pulley and by winding in the cable the load is raised and automatically transferred from the cable to the track of the boom.

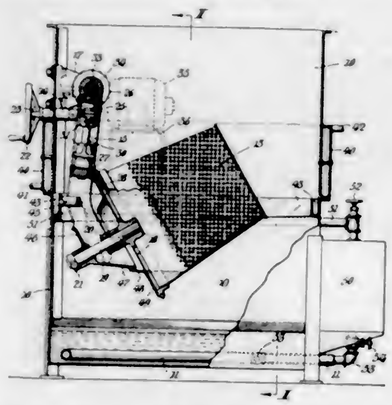
2,101,840
DEGREASING APPARATUS
Clarence F. Dinley, Detroit, Mich., assignor to James H. Bell, Philadelphia, Pa.
Application January 15, 1935, Serial No. 1,898
10 Claims. (Cl. 87—6)



1. Apparatus of the character described, for treating articles or work with volatile solvent whose vapor is heavier than air, comprising in combination a treating vessel or enclosure adapted to contain volatile liquid solvent and its vapor, and apertured and open for the introduction and withdrawal of work directly into and from its upper portion at one side thereof only, but otherwise covered over and substantially closed, so as to prevent drafts into and out of the vessel while at the same time permitting introduction and withdrawal of work at the work opening above referred to; cooling means for maintaining in the vessel a cool vapor-drawing condensing zone at a level substantially below its work opening above referred to, so that the closed-in portion of the vessel above said level affords a draft-free region in which work cleaned with the solvent below said level may be dried before withdrawal from the vessel, without resulting loss of solvent vapor through the opening; and an endless conveyor traveling a course from the opening above referred to down below said condensing zone, and also through said drying region and back to the work opening.

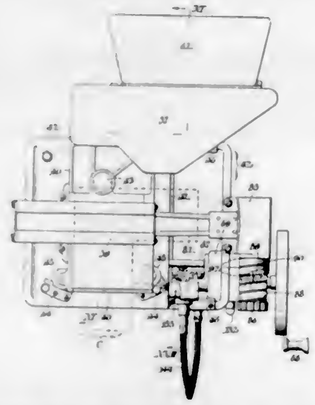
2,101,841
DEGREASING APPARATUS
Clarence F. Dinley, Detroit, Mich., assignor to James H. Bell, Philadelphia, Pa.
Application February 7, 1935, Serial No. 5,385
8 Claims. (Cl. 87—6)

1. Apparatus of the character described, for tumbling and treating objects with volatile solvent whose vapor is heavier than air, comprising in combination an air-excluding treating vessel, for containing liquid solvent and its vapor, open at its upper portion; an arm swingable down and up, and a tumbling barrel revolubly mounted on said arm and swinging therewith down and up into and out of the vessel; means for driving said tumbling barrel when swung down into the vessel; means for retaining and condensing solvent vapor evolved in the vessel, and thus preventing its overflow therefrom; and means for delivering the condensate to the work in the revolving vessel, including a collecting trough on the vessel wall,



and a conduit on said arm receiving the condensate from said trough and discharging it into the vessel upon the work therein.

2,101,842
MOTION PICTURES AND APPARATUS THEREFOR
Charles Etzel, Philadelphia, Pa., assignor, by mesne assignments, to Etzo Corporation, a corporation of California
Application March 23, 1934, Serial No. 716,929
18 Claims. (Cl. 88—16.6)

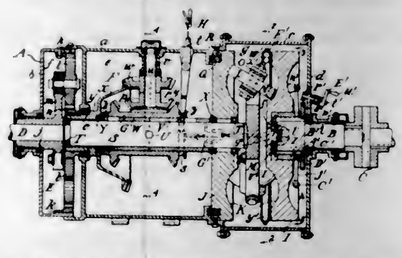


1. A method of taking motion pictures affording the effect of three dimensions, which method comprises deflecting the path of light from the scene or subject being photographed to the camera, shifting the camera to and fro transversely over a stereoscopic binocular range, compensatively swinging the camera about an axis at its lens tube to keep its line of vision directed toward the same object in the scene, and concurrently varying the deflection of the light path so as to keep its length substantially constant, notwithstanding the other changes.

2,101,843
DRY MAKE-UP COSMETIC IN SOLID CAKE FORM
Frank Factor and Paul E. Fisher, Los Angeles, Calif., assignors to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware
No Drawing. Application November 27, 1936, Serial No. 112,996
7 Claims. (Cl. 167—91)

4. A colored make-up cosmetic in substantially dry, solid cake form containing from about 70% to 97% by weight of colors, pigments and fillers, 1% to 26% by weight of oils and waxes and 1% to 13% by weight of water-soluble dispersing agents.

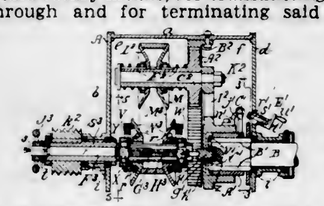
2,101,844
SPEED REDUCER AND OTHER TRANSMISSION
George Holt Fraser, Brooklyn, N. Y.
Application August 9, 1935, Serial No. 35,500
20 Claims. (Cl. 74—281)



1. In rotation transmissions comprising, rotary drive means, for the rotatable transmission of torque and rotary motion, rotary driven means, rotatable from and relatively to said drive means during said transmission, for the rotatable transmission of torque and rotary motion therefrom, speed change means in operative relation to said rotary means, rotatable from said drive means and being operable to transmit torque and rotation at changed speed therefrom to said driven means during said transmission, and drive connection means in operative relation to said rotary means and to said speed change means, for effecting said transmission; the combination therewith of torque responsive torque termination means in operative relation to one of said rotary means and to said speed change means, for transmitting and for terminating said transmission of torque therethrough, designed to transmit a normal torque load, being operable during said normal torque load to transmit torque through said rotary means and said speed change means, and being operable upon overload to terminate said transmission of said torque therethrough, and being operable to terminate said changed speed rotation transmission upon said overload.

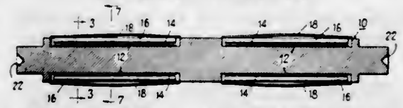
2,101,845
SPEED REDUCER AND OTHER TRANSMISSION
George Holt Fraser, Brooklyn, N. Y.
Application August 9, 1935, Serial No. 35,501
20 Claims. (Cl. 74—280)

1. In rotation transmissions comprising, rotary drive means, for the rotatable transmission of torque and rotary motion, rotary driven means, rotatable from and relatively to said drive means during said transmission, for the rotatable transmission of torque and rotary motion therefrom, and yieldable drive connection means in operative relation to said rotary means, for yieldably transmitting torque and rotary motion therebetween, designed to, during said transmission, yieldably transmit a relatively major torque load and variable rotary motion therebetween; the combination therewith of torque responsive torque termination means in operative relation to said yieldable drive connection means and to one of said rotary means, for transmitting torque therethrough and for terminating said trans-



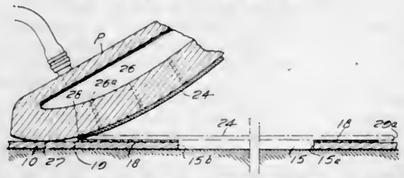
mission of torque, designed to transmit a normal torque load, being operable to transmit torque therethrough during said normal torque load, and being operable upon overload of said torque responsive torque termination means to terminate said transmission of torque and said yieldable transmission of said major torque load, and being operable to terminate said yieldable transmission of variable rotary motion upon said overload.

2,101,846
SELF-GRIPPING MANDREL
Elmer O. Goordman, New York, N. Y.
Application December 1, 1936, Serial No. 113,597
5 Claims. (Cl. 82—44)



1. A work-holding mandrel having a pair of portions provided with longitudinal grooves, rollers in said grooves and springs for forcing the rollers of the respective portions outwardly about the axis of said mandrel, said rollers being free to roll in either direction on said springs beyond the longitudinal centers of said grooves.

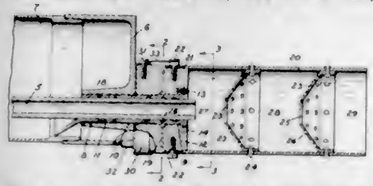
2,101,847
PATCH UNITING METHOD FOR ENVELOPES
Robert L. Gray, Brooklyn, N. Y.
Application June 14, 1933, Serial No. 675,689
9 Claims. (Cl. 93—61)



1. The method of forming window envelopes from a predeterminedly formed envelope blank including a cutout and a patch comprising a substantially transparent sheeting of predetermined contour, the steps which comprise providing the envelope blank with an application of a normally fluid adhesive, outlining an area substantially less than that outlined by the patch, registering the edge of the patch with the application of adhesive adjacent the filling side of the envelope and then pressing the patch and envelope blank

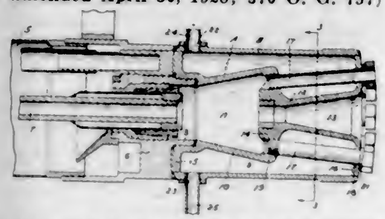
to each other while displacing the adhesive away from the point of registry of the patch and the application of the adhesive.

2,101,848
STABILIZER FOR GUNS
Samuel G. Green, Gray, Ga.
Application October 16, 1936, Serial No. 105,950
2 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gun, a jacket having a front plate with an opening, a bearing mounted in the opening and extending in front of the front plate, said bearing having radial vents, a reciprocable gun barrel mounted in the bearing and normally covering the vents therein, a block mounted on the bearing and having vents in communication with the vents of the bearing and leading to atmosphere, and a casing carried by the block for receiving the gases of discharge of the gun.

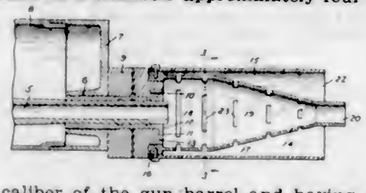
2,101,849
MUZZLE ATTACHMENT FOR GUNS
Samuel G. Green, Gray, Ga.
Application October 29, 1936, Serial No. 108,221
4 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A muzzle attachment for a gun comprising an inner casing for receiving the gases of discharge of the gun and having a rear body part and a front neck part connected thereto by a shoulder, flanges on the body and neck parts, an outer casing mounted on the flanges and cooperating with the inner casing to establish a chamber for receiving a cooling fluid, a fluid inlet in the outer casing, a fluid outlet in the outer casing, a plurality of flues inserted through the flange of the neck disposed in the fluid chamber and threaded in the shoulder, said flues projecting from the flange of the neck, a gasket on the projecting end of each flue and a nut holding each gasket against the flange.

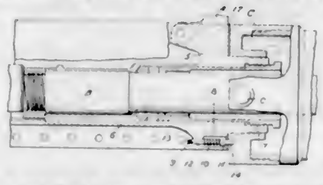
2,101,850
MUZZLE ATTACHMENT FOR GUNS
Samuel G. Green, Gray, Ga.
Application October 29, 1936, Serial No. 108,222
1 Claim. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

In combination, a gun barrel, an attachment at the muzzle of the barrel comprising an imperforate outer tube, an inner tube connected at its rear end to the outer tube and spaced therefrom to provide an annular expansion chamber, said inner tube having at its rear a short expansion chamber of a diameter approximately four times



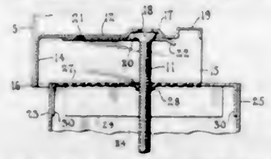
the caliber of the gun barrel and having at its front a tapered recompression chamber approximately twice the length of the rear expansion chamber, and said inner tube having a plurality of apertures decreasing in size from rear to front.

2,101,851
MACHINE GUN JACKET MOUNTING
Samuel G. Green, Gray, Ga.
Application November 20, 1936, Serial No. 111,868
2 Claims. (Cl. 89—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine gun, a block having a projecting tubular part with external threads, a jacket having unmatched threads engaging the threads of the tubular part, trunnions on the jacket, said jacket provided with a recess having a predetermined positional relation with respect to the trunnion, a plunger carried by the block and engaging the recess of the jacket to lock it against rotation with the trunnions in correct final assembly positions, and a shim between the end of the jacket and the block, said shim having a thickness determined by test assembly to compensate for clearance due to the use of unmatched threads on the jacket.

2,101,852
ADJUSTABLE FIXTURE SUPPORT
Samuel Hammer, Brooklyn, N. Y., assignor to United Metal Box Co., Inc., New York, N. Y., a corporation of New York
Application December 20, 1935, Serial No. 55,343
5 Claims. (Cl. 45—139)

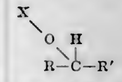


2. A fixture support for cabinets and the like comprising two elongated box-like members, one fitting within the other and serving as a base member and the other adapted to be secured to and directly support a fixture, said members having thread means at each end thereof and being

adapted for vertical movement relative to each other, a headed adjusting screw threaded into each thread means with its head extending upwardly upon which head the fixture supporting member rests and spring means for detachably connecting the head to said fixture supporting member whereby said means and adjusting screws detachably connect said members together for the adjustment thereof.

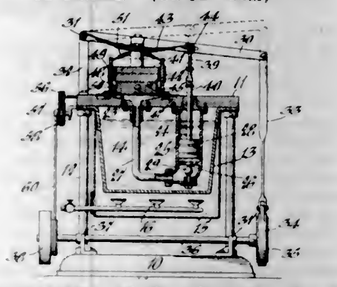
2,101,853
COMPOSITION OF MATTER AND METHOD AND STEPS OF MAKING AND USING THE SAME
Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application April 24, 1934, Serial No. 722,145
6 Claims. (Cl. 260—3)

6. The method of making an oil soluble resinous product which comprises reacting, under the influence of ammonia as a catalyst, an aldehyde with an ether having the following representative formula:



where X and the oxygen atom, O, together represent a phenolic radicle and R and R' represent hydrocarbon radicles.

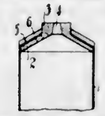
2,101,854
METHOD OF AND APPARATUS FOR COATING SUBSTANCES WITH METALS OR ALLOYS
Charles F. Haunz, Buffalo, N. Y.
Application January 15, 1932, Serial No. 586,861
31 Claims. (Cl. 91—12.2)



1. An apparatus of the character described, comprising a cylinder adapted for communication with a source of coating material and having a discharge, a nozzle connected with said cylinder-discharge and over which the element to be coated is placed, a piston operable in said cylinder for forcing the coating material against that portion of the element disposed over the nozzle, means for holding the element against said nozzle during the operative stroke of the piston, and opposing contractible jaws applied to the face of the nozzle and engagable with the side edges of the element for creating a fluid-tight joint therewith.

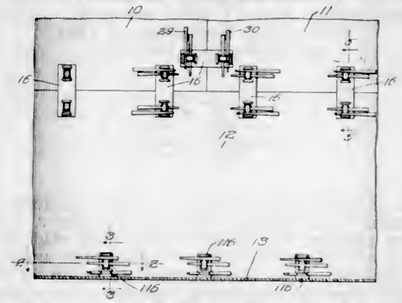
6. In the process of impregnating wood with metal, the step of momentarily impacting, with a pressure considerably greater than atmospheric, a substantial body of the metal in a fluid condition and as a unit against a face of said wood, to cause the metal to penetrate the pores of the wood before congealing.

2,101,855
CONTAINER
Douglas Henderson, Toronto, Ontario, Canada
Application August 17, 1936, Serial No. 96,393
10 Claims. (Cl. 221—60)



1. In a container the combination of a body formed of metal tubing and having an annular inwardly directed flange at its outlet end; and a top of rigid non-metallic material for said outlet end, said top comprising a pair of members between which said flange is clamped, said members having a frictional engagement one with the other.

2,101,856
WELDING APPARATUS
Clarence W. Hines, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1936, Serial No. 93,699
4 Claims. (Cl. 113—99)

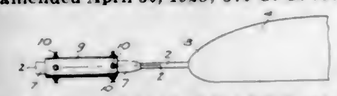


1. Welding apparatus, including: a plate apertured to receive apertured holding lugs on members to be welded together, wedges adapted to be driven through the apertures in the holding lugs to draw the members against the plate; a shoulder on the plate adjacent an aperture in it; and a wedge adapted to be driven between a holding lug and the shoulder to shift the member laterally with respect to the plate.

2,101,857
MANUFACTURE OF MOTOR FUELS
Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 23, 1936, Serial No. 76,076
16 Claims. (Cl. 196—10)

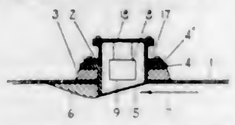
9. A process for producing normally liquid hydrocarbons from a hydrocarbon mixture containing butenes and propylene, which comprises subjecting the mixture to polymerization in the presence of solid phosphoric acid catalyst in a plurality of stages, the first stage being at a butene polymerizing temperature and under sufficient pressure to maintain a substantial portion of the butenes in liquid phase, and a subsequent stage being at a propylene polymerizing temperature higher than that in the first stage and under a pressure such as to maintain the propylene in vapor phase.

2,101,858
STATIC TUBE SLEEVE
Andrew W. Knisley, Dayton, Ohio
Application July 30, 1936, Serial No. 93,463
5 Claims. (Cl. 73—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



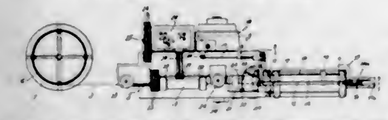
1. In an airspeed head of the Pitot-static tube type including a static tube having a closed end and a static opening in its side wall, an open ended air conduit along the outer surface of the static tube and extending over the static opening, said conduit being dimensioned to conduct a layer of air in a straight flow close to and parallel with the outer surface of the static tube and across the static opening.

2,101,859
MEANS FOR MOUNTING SUBMARINE SIGNALING APPARATUS
Willy Kunze, Bremen, Germany, assignor to Atlas Werke Aktiengesellschaft, Bremen, Germany
Application June 15, 1936, Serial No. 85,228
In Germany September 26, 1935
5 Claims. (Cl. 181—0.5)



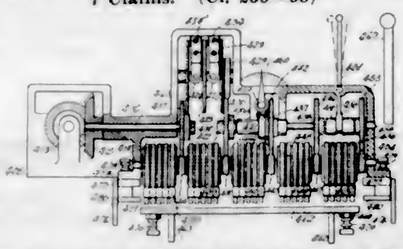
1. In combination with the skin of a vessel, a submarine signaling apparatus having a radiating element and means positioning said radiating element in the skin of the vessel at an angle of inclination to the forward direction of the vessel whereby the water pressure on the radiating surface will be increased when the ship is moving.

2,101,860
WIRE CUTTING MACHINE
Marvin W. Lewis, Cleveland Heights, and Carl B. Jones, East Cleveland, Ohio, assignors to The Lewis Machine Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1936, Serial No. 68,390
11 Claims. (Cl. 140—140)



1. In a machine of the class described, means for feeding a wire along a path, a cutting head reciprocable along a portion of said path, wire cutting means carried by said head, a rotatable shaft, an eccentric and a cam rotatable with said shaft, an operative connection between said eccentric and said head for reciprocating the latter whereby a stroke of said head corresponds to movement of said eccentric between dead centers, and an operative connection between said cam and cutting means for actuating the latter, said cam and connection being arranged to start actuation of said cutting means upon movement of said eccentric substantially sixty degrees from one of its dead centers.

2,101,861
CALCULATING AND RECORDING SYSTEM
Matthew H. Loughridge, Bogota, N. J.
Application May 10, 1932, Serial No. 610,879
7 Claims. (Cl. 235—58)



1. A counter-poise for a scale having a beam with a rack bar, said poise mounted to move on the beam of the scale until a position of balance is reached and comprising a pinion in the counter-poise engaging said rack, a shaft connected with the pinion, a gear connected with the shaft and a first totalizing device connected with the gear, a multiplying device connected with said shaft and a second totalizing device connected with said multiplying device, said totalizing devices comprising a plurality of rotating members.

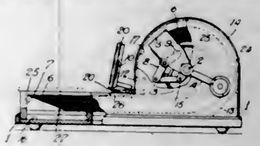
2,101,862
GAS-OPERATED GUN
Stephen H. MacGregor, Savannah, Ga.
Application April 22, 1936, Serial No. 75,732
3 Claims. (Cl. 42—3)
(Granted under the Act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a gun, a receiver, a barrel fixed to the receiver, a breech bolt reciprocable in the receiver, means whereby the bolt is locked to the receiver, a cylinder fixed to the barrel, a gas passage between the barrel and cylinder, a piston in the cylinder, a collar on the rear end of the piston and engageable with the cylinder to limit forward movement of the piston, an offset finger extending rearwardly from the piston, a bolt-operating rod having its front part slidable within the piston and adapted to be engaged and moved rearwardly by the piston, a spring seat in the rod, a driving spring for the rod, a spring between the spring seat of the rod and the front end of the piston, a collar fixed on the rod and movable between the end of the piston and the end of the finger of the piston, a latch releasably engaging the rod to hold it against rearward movement, said latch positioned so as to be tripped by the finger of the piston.

2,101,863
SHEET PAPER CABINET
Stephen Magami, Nanaimo, British Columbia, Canada
Application February 7, 1936, Serial No. 62,774
1 Claim. (Cl. 312—50)

A sheet-paper cabinet or container comprising a rectangular base, with sides attached, the rear portion of the sides being raised in semi-circular shape to conform to a stack of sheet-paper adapted to be coiled at the rear end within the cabinet and with the front end of the sides being raised sufficiently to enclose said stack of sheet-paper lying flat; a transparent covering extending from the base at the rear end over the semi-circular portion of the sides; a hinged lid in two sections covering the front lower portion of the cabinet; a shaft rotatably mounted through the centre of the raised rear ends of the sides and extending through one side and having a handle attached on the outside of the cabinet; a tray or sheet-paper holder designed to receive the ends of a stack of sheet-paper, the ends of said tray being extended and connected loosely to said shaft and free to rotate around said shaft within the cabinet; paper-gripping levers pivoted on said tray and connected by links to levers



rigidly attached to said shaft and operable by said handle to hold sheets securely in said tray; a disc loosely mounted on said shaft centrally of the width of the cabinet; laterally spaced felt-covered wedge-shaped pieces attached to said base in the front portion of the cabinet; whereby a stack of sheets may have an end thereof inserted in the tray, the handle rotated to cause the gripping levers to secure the stack to the tray and rotate the tray to coil the gripped end of the stack around the disc and arrange the free edges of the sheets of the stack in inclined position on said wedge-shaped pieces, and rotated in the opposite direction to release the stack from the tray so that the sheets may be withdrawn one by one from the cabinet.

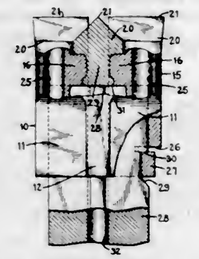
2,101,864
ROCK DRILL
William J. McCallum, Islington, Ontario, Canada
Application March 27, 1936, Serial No. 71,084
16 Claims. (Cl. 255—64)



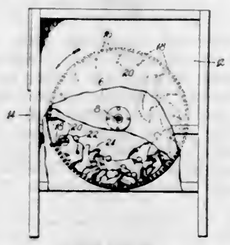
1. A rock drill bit comprising a retainer having seats for the reception of separate nibs, a plurality of nibs in said seats, and a washer element within said retainer beneath said nibs, said retainer and washer element being formed of ductile material and having portions pressed into interengagement with said nibs for firmly uniting the parts into a permanent unitary structure.

2,101,865
ROCK DRILL
William J. McCallum, Islington, Ontario, Canada
Application February 18, 1935, Serial No. 6,942
4 Claims. (Cl. 255—64)

1. In a device of the class described a drill rod having a polygonal outer contour, a detachable bit having a socket portion with an opening of corresponding polygonal cross section adapted to snugly fit the end of said rod and be applied thereto by a rectilinear sliding movement, said socket portion being formed of ductile material, cutting elements of hard, wear-resistant material firmly and permanently united with said socket portion, and inter-engaging shoulders carried directly by said rod and socket portion for retaining said parts in assembled relation, one of said shoulders being shiftable relative to the member by which it is carried into interengagement with the other shoulder, both of said shoulders then being rigidly and unyieldingly held in interengaging relation.



2,101,866
MEANS AND METHOD FOR SOFTENING HIDES AND SKINS
Matthew M. Merritt, Middleton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts
Application March 18, 1935, Serial No. 11,538
9 Claims. (Cl. 149—6)



4. That improvement in methods of softening dry or substantially dry tanned hides or skins which comprises tumbling the hides or skins while in a crumpled condition in a rotary container having its dimension along its axis of rotation substantially less than the shortest overall dimension of the hides or skins undergoing treatment, thereby maintaining the hides or skins in folded or crumpled condition while they are tumbling in said container, and continuing tumbling of the hides or skins until all portions thereof have been softened by repeated flexing.

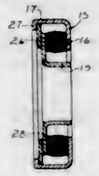
2,101,867
MANUFACTURE OF WATER-SOLUBLE, STORAGE-STABLE ACETYLSALICYLIC ACID PRODUCTS
Clemmy O. Miller and Arthur E. Siehrs, Chicago, Ill.
No Drawing. Application August 18, 1934, Serial No. 740,387
25 Claims. (Cl. 167—65)

1. As a composition of matter, a mixture of a member of the group consisting of acetylsalicylic acid and its metal salts and a member of the group consisting of amino acids and their metal salts.

2,101,868
PROCESS OF MANUFACTURING ACETIC ANHYDRIDE
Martin Mugdan and Johann Sixt, Munich, Germany, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Bavaria, Germany, a corporation of Germany
No Drawing. Application October 22, 1934, Serial No. 749,484. In Germany November 28, 1933
14 Claims. (Cl. 260—123)

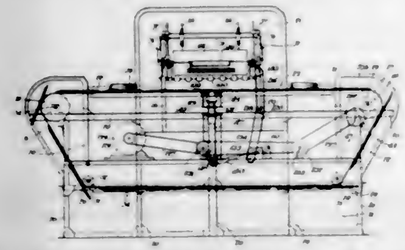
1. A process for producing acetic anhydride which comprises heating acetic acid containing a small amount of a phosphorus-containing substance, gaseous at the reaction temperature, and condensing acetic anhydride-containing products, from the aforementioned heating, in the presence of a voltaile basic nitrogen compound.

2,101,869
VIBRATION REDUCING MEANS
Warren Noble, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application November 27, 1934, Serial No. 755,011
14 Claims. (Cl. 121—36)



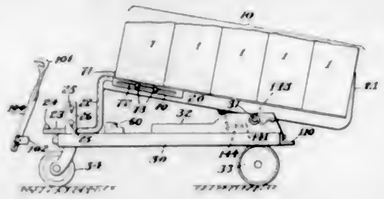
1. In a vibration reducing unit, coaxial annuli relatively movable into positions of non-coaxial relation and having inner and outer annular peripheral surfaces respectively engageable with a part to be vibrated and a part to be protected from shock, and a rubber annulus having its opposite faces bonded in shear to said annuli for yieldingly opposing relative movement of said annuli into said positions of non-coaxial relation.

2,101,870
MACHINE FOR ENVELOPING ARTICLES
Joseph N. Pattison, Jr., Philadelphia, Pa.
Application March 21, 1935, Serial No. 12,181
20 Claims (Cl. 93—2)



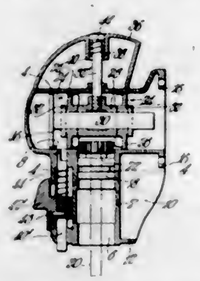
1. An article wrapping machine comprising a movable article conveying device, means for supplying with the advance of the conveying device wrapping material above the article to be wrapped, means for moving said article upwardly from said conveying device, means for directing said wrapping material downwardly around the article upon upward movement of the article, means for bringing portions of said wrapping material together under the bottom of said article while the same is elevated, and sealing means movable vertically for securing the said wrapping material under the bottom of said article.

2,101,871
APPARATUS FOR MOVING AND STACKING HEAVY CARGO UNITS
William Ray Pease, South Portland, Maine
Application September 26, 1935, Serial No. 42,272
3 Claims. (Cl. 254—3)



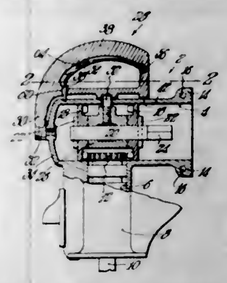
1. Load handling and stacking equipment for use with a wheeled truck having a fixed fulcrum adjacent its rear end, comprising a load-carrying frame, freely detachable fulcrum engaging means detachably engageable with the fulcrum of the truck and so disposed to the rear end of the frame as to support the frame on the truck in clearing relation to the rear end of the truck when the loaded frame is toppled on its fulcrum, and downwardly extending means adjacent the forward end of the frame coacting with the truck body for normally supporting said frame in downwardly and rearwardly inclined position on the truck body with the rear end of the frame overhanging the rear end of the truck body and with the center of gravity of the load slightly in advance of said fulcrum, said last named means constituting a handle element by means of which the forward end of the frame may be raised to a height sufficient to shift the center of gravity of the load rearwardly to a point at which the frame disengages itself from the fulcrum and the load falls clear of the truck into an upended position of discharge.

2,101,872
WRINGER HEAD
Julian L. Perkins, West Springfield, Mass.
Application March 5, 1936, Serial No. 67,334
2 Claims. (Cl. 68—32)



1. A wringer head comprising in combination, a casing for rotatably resting in a column, a lock member reciprocable on said casing between locking and non-locking positions having a part for engaging and releasably locking said casing against rotative movement on a column, a driving element, a pair of driven members shiftable between a neutral inoperative position and an operative position in engagement with said driving element, means associated with said driven elements movable therewith to prevent movement of the locking member from locking position when a driven member is in engagement with the driving member, an operating member for shifting said driven members, a connection between the operating member and driven members, the casing provided with a slot receiving the connections, and spring means associated with the operating member and connections urging the operating member against the casing.

2,101,873
WRINGER HEAD
Julian L. Perkins, West Springfield, Mass.
Application May 18, 1936, Serial No. 80,238
3 Claims. (Cl. 74—337.5)



1. A head for a wringer or the like comprising in combination, a housing, engageable driving and driven members therein, a shifter for said members movable in the housing, a swinging operating member pivoted at one end to said housing and having a forwardly extending part overlying said housing, the housing being provided with a cam surface, the said forwardly extending part provided with a cam surface, a part associated with said shifter disposed to be acted upon by said cam surfaces, all adapted and arranged whereby the swinging of the operating member brings about movements of said shifter, and locking means carried by said operating member to releasably lock the member against movement.

2,101,874
COMPOSITE FABRIC
William Wallace Rowe, Cincinnati, Ohio, assignor to The Paper Service Company, Lockland, Ohio, a corporation of Ohio
Application March 8, 1934, Serial No. 714,647
12 Claims. (Cl. 154—50)



7. A composite fabric comprising at least two layers of paper and a plurality of layers of cementitious substances located therebetween, one of said layers of cementitious substance being a layer of rubber derived from latex, and at least one other of said layers of cementitious substance being a layer of bituminous material, said layer of bituminous material lying between a paper face of said composite fabric and said layer of rubber derived from latex.

2,101,875
PESSARY APPLICATOR
Lawrence Schleicher, Los Angeles, Calif.
Application October 25, 1935, Serial No. 46,797
10 Claims. (Cl. 128—127)



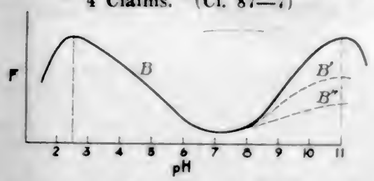
1. An instrument of the class described having means insertable into the vagina and provided with a grooved surface against which an edge wall of a pessary at the open side of the latter can be received and held; and a latch mechanism including a part disposed opposite the grooved surface to receive and hold a diametrically opposite edge wall of the pessary and co-operable with the grooved surface to maintain the pessary stressed lengthwise of the instrument and a part contactible with the cervix and co-operable with the first mentioned part to enable the pessary to be released from the instrument and thereby move by its own resiliency in a direction to cover the cervix.

2,101,876
COMPOSITE FILM AND METHOD OF MAKING
Clyde Scott, Newark, N. J.
No Drawing. Application April 14, 1933
Serial No. 666,211
30 Claims. (Cl. 18—59)

1. In a process of making by casting and evaporating method heat-and-pressure sensitive composite films of predetermined thickness adapted for welding and wrapping purposes steps that comprise depositing a thin layer of film forming solution comprising a cellulose ester uniformly on a smooth casting surface to form a lamina so thin as to be incapable of removal therefrom in the ordinary manner when dry, depositing thereon a thin layer of film forming solution comprising a thermoplastic heat-and-pressure sensitive adhesive composition to form a translucid attached coextensive lamina so thin as to be incapable of supporting itself by its own strength when dry, evaporating volatile solvent therefrom and then removing the composite film so formed from said casting surface.

4. In the process of making by casting and evaporating method heat-and-pressure sensitive water repellent and moisture-vapor repellent composite film adapted for welding or wrapping purposes, steps comprising depositing a layer of film forming solution comprising cellulose acetate dissolved in volatile solvent uniformly on a smooth casting surface to form a base layer so thin as to be incapable of removal therefrom in the ordinary manner when dry, evaporating volatile solvent therefrom, depositing thereon a layer of film forming solution comprising a water repellent and moisture-vapor repellent thermo-adhesive compound dissolved in suitable volatile solvent, said compound comprising wax and two or more resins including polymerized vinyl ester, to form an attached coextensive heat-and-pressure sensitive layer so thin as to be incapable of supporting itself by its own strength when dry, evaporating volatile solvent, removing the film so formed from said casting surface and applying to one or both sides thereof a solution of compound comprising one or more non-absorbent substances resistant to mild acids, alkalis and the like, said compound comprising wax.

2,101,877
PROCESS FOR PREPARING PHOTOGRAPHIC GELATIN
Samuel E. Sheppard and James H. Hudson, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
Application September 6, 1935, Serial No. 39,455
4 Claims. (Cl. 87—7)



1. A process of preparing photographic gelatin having a minimum region of colloidal properties, such as swelling in water and change in viscosity in alkaline solution, at pH 7 and upward, which comprises steeping, unhairing, and plumping hides in about a ½ to 2% solution of the weakly ionized acid, neutralizing the hides to a pH of about 6 to 7, and extracting the gelatin from them in water solution.

2,101,878
MECHANICAL HAMMER
Benjamin W. Snodgrass, Denver, Colo.
Application March 24, 1936, Serial No. 70,579
15 Claims. (Cl. 255—42)



1. A mechanical hammer comprising a reciprocable ram, a power unit, and speed-controlled means automatically operable to connect said power unit in actuating relation with said ram.

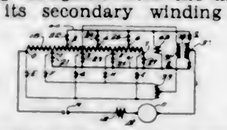
2,101,879
PARA-HYDROXY-PARA'-ETHOXY DIPHENYLAMINE
George C. Strouse, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1936, Serial No. 92,605
10 Claims. (Cl. 260—128)

1. Para-hydroxy-para'-ethoxy diphenylamine in the form of white to gray crystals which dissolve in dilute aqueous sodium hydroxide and alkali metal sulfide to produce nearly colorless solutions that oxidize to a red to reddish-brown color, said crystals when purified and dried over sulfuric acid melting at 85.5° to 86° C.

4. In a process of producing para-hydroxy-para'-ethoxy diphenylamine, the step which comprises condensing hydroquinone with paraphenetidine in the presence of a small amount of zinc chloride under the influence of heat.

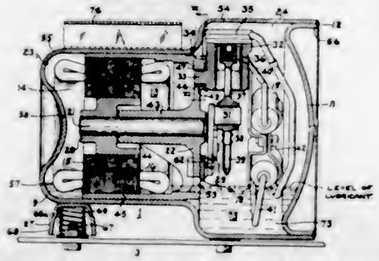
2,101,880
CONTROL SYSTEM
William R. Tallaferro, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 15, 1935, Serial No. 45,049
10 Claims. (Cl. 171—119)

1. In a tap-changing system, in combination, a main transformer, a plurality of switches for changing taps on said transformer to vary the voltage on a power circuit, transition switches cooperating with the tap-changing switches to prevent them from opening and closing the power circuit, an auxiliary transformer having its primary winding energized from the main transformer and its secondary winding associated



with the transition switches for controlling the voltage across said transition switches and control means for preventing the simultaneous operation of the tap-changing and the transition switches.

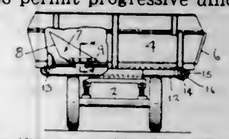
2,101,881
REFRIGERATION APPARATUS
Matson C. Terry, New Rochelle, N. Y., and Thomas A. Buckley, Springfield, Mass., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application November 4, 1932, Serial No. 641,284
Renewed February 25, 1937
14 Claims. (Cl. 230—58)



1. In refrigerating apparatus of the compression type wherein refrigerant undergoes cycles of evaporation, compression and condensation, a horizontal housing having portions of smaller and larger diameter, a motor disposed in the housing portion of smaller diameter and including a stator and rotor, the stator being in heat conductive relation with respect to the housing portion wall, a frame member supported by the housing interiorly thereof and having a central bearing, a shaft carried by the bearing and connected to the rotor, a compressor disposed in the housing portion of larger diameter and carried by the frame, mechanism disposed in the housing portion of larger diameter and operated by the shaft for operating the compressor, the lower part of the housing portion of larger diameter constituting a reservoir for lubricant and the lower portion of said frame having an opening therein providing for drainage of lubricant from the housing portion of smaller diameter to the reservoir, whereby a normal level of lubricant may be maintained below the motor air gap, and means actuated by said mechanism for effecting circulation of lubricant from the reservoir to parts requiring lubrication.

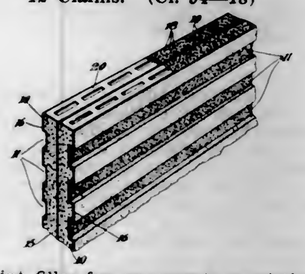
2,101,882
WAGON
Elton W. Vessey, Pasadena, Calif.
Application March 6, 1936, Serial No. 67,561
2 Claims. (Cl. 214—82)

1. A mobile vehicle to be used in the harvesting of vegetables comprising a body including a floor and having road wheels thereon, fixed upright members on the opposite upper ends of said body; a member arranged longitudinally of the body along one of the upper sides thereof forming at times a side member for said body and at other times serving to move the contents of the vehicle in a transverse direction toward the other side of said body to permit progressive unloading of the



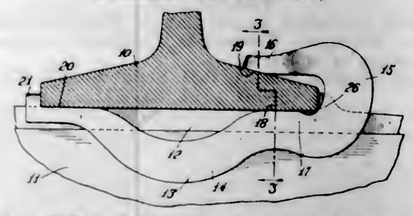
vehicle from the open side thereof without interfering with the forward movement of the vehicle; means on the vehicle to move the movable side member transversely of the body; and rollers arranged longitudinally of said movable member and resting upon the floor of the body to facilitate the movement of said member in a transverse direction.

2,101,883
PAVING JOINT FILLER
Leroy E. Warner, Bond Hill, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application July 9, 1930, Serial No. 466,774
12 Claims. (Cl. 94—18)



1. A joint filler for pavements consisting of a rubber body portion provided with a multiplicity of independent cells therein, each of said cells enclosed and separated from adjacent cells by the rubber forming said body portion, said body portion having a rubber surface of texture different from the texture of the body portion.

2,101,884
RAIL ANCHOR
Harold G. Warr, Park Ridge, Ill., assignor, by mesne assignments, to Poor & Company, a corporation of Delaware
Application May 16, 1936, Serial No. 80,047
5 Claims. (Cl. 238—330)



1. A light weight rail anchor comprising a bar having flattened and widened end portions which gradually increase in width and decrease in vertical thickness toward the ends and having an intermediate body portion of substantially rectangular cross-section having greater depth than its horizontal width, adapted to extend across beneath a rail with its wider faces arranged substantially perpendicular to the bottom of the rail base so that either wide face of the body may bear against a vertical face of a cross-tie, the said body portion of the bar being bent adjacent to one end into hook form to provide a wide upper jaw and a narrower lower jaw for gripping the top and bottom surfaces respectively of one base flange of the rail; the widened end of said jaw being of a width substantially corresponding to the depth of the said lower jaw which grips the bottom surface of the rail; and means comprising the flattened and widened portion at the other end of the body for engaging a vertical surface of the other rail base flange to lock the anchor on the rail; the flattened portions of the bar, which form the said upper jaw and the said vertical surface engaging means, being positioned so that each flattened portion projects laterally beyond the tie engaging planes of the sides of the under-rail body portion of the anchor but only above the plane of the top of the cross-tie, whereby substantially the same effective rail gripping and tie bearing effects are produced as where said anchor is formed of uniform square cross-section, corresponding to the depth of the jaw which engages the bottom of said first mentioned rail flange, throughout the entire length of the anchor.

2,101,885
STRAW PRODUCT AND TREATMENT THEREOF
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 29, 1933, Serial No. 691,508
8 Claims. (Cl. 91—68)

1. In a process for the production of bloom effects on artificial straw containing derivatives of cellulose selected from the group consisting of organic acid esters of cellulose and cellulose ethers, the step which comprises applying to at least part of the surface of the straw, a coating composition comprising approximately 72% of a solvent for the derivative of cellulose, 15% of a derivative of cellulose selected from the group consisting of organic acid esters of cellulose and cellulose ethers and 8% of an organic precipitant for the derivative of cellulose in the composition; said coating composition temporarily dissolving the surface of the straw to permanently anchor therein the derivative of cellulose precipitated from said composition by the organic precipitant.

2,101,886
SPINNING SOLUTION
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 24, 1933, Serial No. 695,049
5 Claims. (Cl. 106—40)

1. A spinning solution for the manufacture of filaments or films by extrusion processes containing 0.5 to 5.0 parts of oil, 25 parts of cellulose acetate, 0.06 to 0.10 part of a soap, and 75 parts of an organic solvent and 0.5 to 5.0 parts of a volatile non-solvent for the cellulose acetate, the cellulose acetate and the soap being in solution in the solvent.

2,101,887

PRODUCTION OF EFFECTS ON MATERIALS

John Allan and James Arthur Wainwright, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 5, 1935, Serial No. 43,780. In Great Britain October 17, 1934

5 Claims. (Cl. 91—68)

1. Method of producing effects on filaments, yarns, fabrics, straws or the like, consisting substantially of a water-insoluble organic acid ester of cellulose or cellulose ether, which comprises printing thereon a suspension of a comminuted effect material in a solution of a film forming substance in a medium containing 25 to 50% of a volatile solvent for the cellulose derivative of the material treated, and a volatile non-solvent therefor, so as to bond the effect material to said cellulose derivative, said suspension having no solvent action on the cellulose derivative.

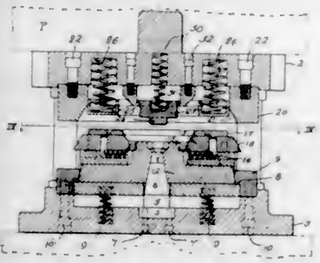
2,101,888

SHEET METAL PISTON MANUFACTURE

George M. Ambrosius, Lakewood, Ohio, assignor to The Standard Oil Company (Ohio), Cleveland, Ohio, a corporation of Ohio

Application May 25, 1936, Serial No. 81,665

7 Claims. (Cl. 153—73)



1. In die mechanism of the character described, reciprocatively opposed die blocks, a central stud fixed to one of said blocks having a cylindrical body and taper cam, a follower plate reciprocable on such stud, spring means tending to thrust said follower plate away from said block, a shouldered retaining ring for limiting movement of said follower plate, an inner set of radially movable die sections on said follower plate to be spread by said taper cam and having raised central portions with peripheral die surfaces, an outer set of radially movable die sections on said inner die sections, beveled cam surfaces on the outer ends of said outer die sections, spring means tending to separate the outer and inner die sections, a retaining ring for holding said outer die sections against disassembly, an internally beveled cam ring carried by the other of the first-mentioned opposed die blocks adapted to coact with the beveled cam surfaces on the outer ends of said outer die sections, a follower ring carried by the same die block internally of said cam ring, spring means normally urging said follower ring from the die block, a center follower carried by the same die block and having a blank-engaging center stud, spring means normally urging said center follower from the die block, and a shouldered retaining ring on the die block for limiting the movement of said center follower.

7. In die mechanism of the character described, reciprocatively opposed die blocks, a follower plate reciprocable on one of said die blocks, means for limiting the movement of said follower plate, an inner set of radially movable die sections on said follower plate having central portions with peripheral die surfaces, self-contained means for spreading said inner set of die sections, an outer set of radially movable die sections on said inner die sections, means for retaining said outer die sections against disassembly, a center resiliently-urged blank-engaging follower carried by the other of the first-mentioned opposed die blocks, a follower ring about said center follower, and cam means carried by the same die block to operate said outer die sections.

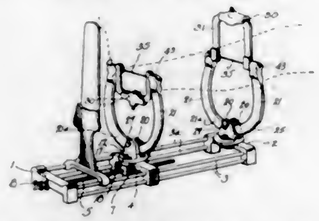
2,101,889

FRACTURE SPLINT

Roger Anderson, Seattle, Wash., assignor to The Tower Company, Seattle, Wash., a corporation of Washington

Application December 15, 1934, Serial No. 757,641

13 Claims. (Cl. 128—84)



1. In a fracture reducing splint, a traction yoke, a traction wire for transfixing a limb, a wire tautener frame for embracing the transfixed limb, and including means for gripping opposite end portions of the wire, and an adjusting means for spreading the frame to tension the wire, pivot means mounting the frame in the yoke for application of traction to the limb and permitting rotation of the frame about the axial line of the taut wire.

11. In a splint of the character described, a support, a yoke mounting base having a mounting pivot applied to the support, a traction yoke of U-shape, adjustably mounted in said yoke mounting base in the axial plane of the said mounting pivot and rotatably adjustable about a center in the extended axial line of the said mounting pivot, a wire tautener frame comprising spaced arms provided with trunnions supported by the arms of the traction yoke and a wire mounted under tension by said frame and extending between the spaced arms and passing through said center.

2,101,890

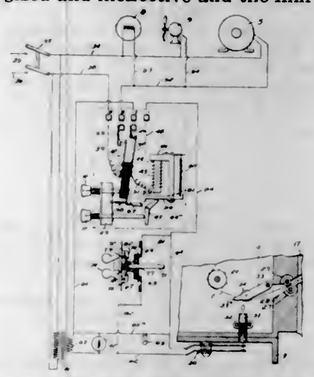
PROJECTOR

Lloyd J. Andres, Grand Rapids, Mich., assignor to Automatic Instrument Company, a corporation of Michigan

Application May 14, 1934, Serial No. 725,470

6 Claims. (Cl. 88—17)

1. In a motion picture machine having a film driving motor and a projector lamp, an unlocking relay, manually operable switch means for energizing said three elements, automatic means for locking said means in closed position and unlocking it, a governor operated by the motor, a film safety switch, a film threading lamp connected in parallel with the relay and lighted when the said switch means is closed, and means operated by the governor for maintaining the relay de-energized and ineffective and the film threading lamp unlighted at the operating speed unless the film safety switch is closed.



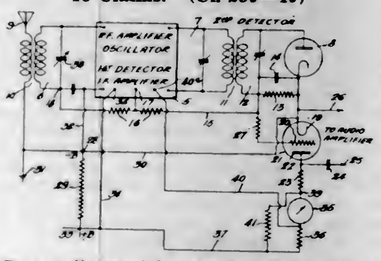
2,101,891

TUNING METER

George L. Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 29, 1936, Serial No. 82,599

18 Claims. (Cl. 250—40)



4. In a radio receiving system, the combination of a resonance indicating device, a common potential supply source for said system and said indicating device, said device being responsive both to received signals and variations in the potential of the supply source, and means connected in circuit with said device for rendering said device substantially independent of said potential supply source variations.

2,101,892

WATER TUBE BOILER

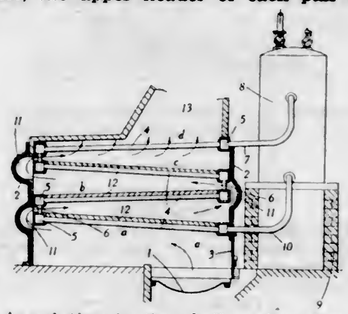
Albert Oliver Blatchford, Amballes, Guernsey, Channel Islands

Application June 1, 1937, Serial No. 145,821

In Great Britain September 29, 1936

2 Claims. (Cl. 122—355)

1. In a water tube boiler or water heater, a plurality of sets of tubes arranged in a zig-zag manner, headers arranged transversely to the tubes and receiving the ends of the tubes, said headers being arranged in narrowly spaced pairs, short ascending conduits connecting each pair of headers, baffles covering the upper sides of the tubes for their full length, an outer shell totally enclosing the said tubes, headers and upstanding conduits, a furnace beneath the tubes, the lower header of each pair and the shell being spaced to allow the free passage of the products of combustion around each lower header and between each pair of headers over said upstanding conduits, the upper header of each pair being sealed in relation to the shell against free passage of products of combustion past it vertically.



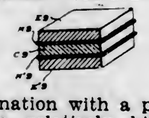
2,101,893

PIEZOELECTRIC APPARATUS

Samuel A. Bokovoy, Audubon, and Paul D. Gerber, Woodlynne, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 30, 1935, Serial No. 52,304

8 Claims. (Cl. 171—327)



1. The combination with a piezo-electric element having a relatively high fundamental period of vibration, of a pair of electrodes therefor and a layer of insulating material having a dielectric constant greater than air removably interposed between said element and each of said electrodes.

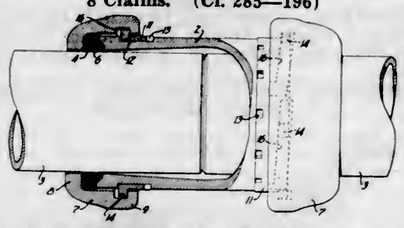
2,101,894

PIPE JOINT

Roger C. Boughton, San Francisco, Calif.

Application August 9, 1935, Serial No. 35,446

8 Claims. (Cl. 285—196)



1. A pipe joint comprising an annular element surrounding a pipe, a gasket seated against the element, a second non-rotatable annular element surrounding the pipe and bearing against the gasket, one of said elements overlapping the other, and a locking ring interposed between the lapping surfaces of the elements and turnably mounted on one of the elements and engageable with the other for locking the latter together.

2,101,895

MACHINE FOR TROWELING

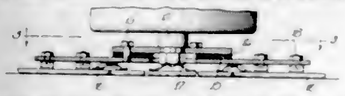
Harold S. Boulton, Chicago, Ill.

Application December 28, 1936, Serial No. 117,842

4 Claims. (Cl. 94—45)

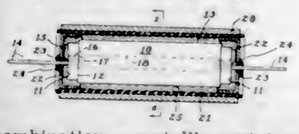
1. In a troweling machine, the combination of a horizontally rotatable carrier, a plurality of

separate angularly arranged trowels mounted beneath said carrier, and a motor mounted verti-



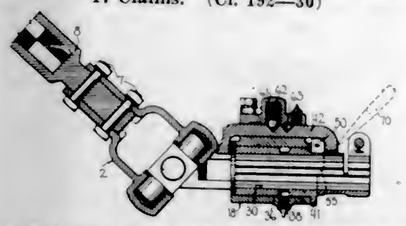
cally above the center of said carrier and connected to rotate the carrier and the trowels in a plane.

2,101,896
CAPACITOR
Leslie G. Burlingame, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 29, 1933, Serial No. 704,410
6 Claims. (Cl. 175—41)



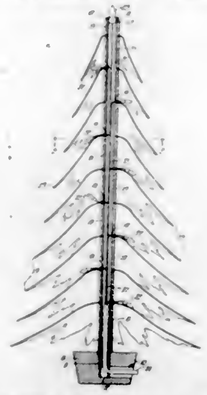
1. In combination, a metallic container having a plurality of openings therein, a container of insulating material disposed within said metallic container in contacting relation therewith and having a plurality of openings therein registering with the openings in said first named container, a fixed condenser element having terminal leads attached to the opposite ends thereof disposed within said second named container in spaced relation thereto, a pair of metallic closure members each having a central opening therein disposed in the openings in said second named container with said terminal leads projecting through the openings in said closure members, a liquid dielectric impregnating said condenser element and filling the space between said insulating container and said condenser element, and means for sealing the openings in said closure members about said terminal leads.

2,101,897
UNIVERSAL JOINT CONTROLLED CLUTCH
Wilbur J. Coultas, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 11, 1935, Serial No. 20,978
17 Claims. (Cl. 192—30)



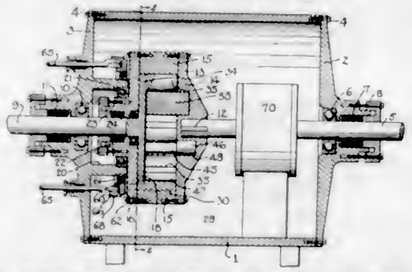
1. In combination, a pair of driving and driven shafts, a two-part universal joint having one part connected to rotate with one of said shafts and the other part connected to rotate with respect to the other of said shafts, means carried with said other universal joint part and movable with respect thereto for optionally connecting it to the associated shaft in driving relation, and means responsive to the degree of angulation between said driving and driven shafts for shifting said optionally movable means.

2,101,898
ORNAMENT
David H. Crosser, Chicago, Ill., assignor to National Tinsel Mfg. Co., Manitowoc, Wis., a corporation of Wisconsin
Application March 29, 1935, Serial No. 13,662
8 Claims. (Cl. 41—15)



1. An ornament comprising an elongated socket, a plurality of one-piece ornamental skirts having apertures therein adapted to receive said socket and mounted thereon in a manner to surround the socket in spaced relation to each other intermediate the ends of the socket, a plurality of spacers surrounding said socket and positioned, respectively, between the lowermost of said skirts and the base of said socket and between the upper end thereof and the respective skirts, each of said skirts extending downwardly to conceal the respective subjacent spacers, a collar having an annular portion in said socket for resisting lateral displacement of the collar and socket, and a flange on said collar overlying the top of the socket and the upper edge of the uppermost spacer.

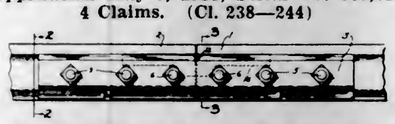
2,101,899
ROTARY FLUID CLUTCH
William N. Eddins, San Antonio, Tex.
Application November 9, 1935, Serial No. 48,980
2 Claims. (Cl. 192—61)



1. A device of the character described including an outer casing adapted to be filled by a liquid, a drive shaft extending into said casing, a driven shaft extending from said casing, a rotor head on said drive shaft, a housing on said driven shaft, a toothed wheel mounted eccentrically of said housing and adapted to mesh with said rotor head at one side thereof, an interceptor head in said housing contacting with the outer ends

of the teeth on said wheel and the inside of said rotor head, and separating said housing into two chambers, a fluid port in each of said chambers, a passage from each of said ports leading directly to the exterior of said housing, a valve for said ports, means to adjust said valve to regulate the volume of intake and discharge of liquid by said wheel and rotor head to thus control the relative rotation of said driven shaft by said drive shaft.

2,101,900
RAIL JOINT SHIM
Albert Frank Fifield, St. Catharines, Ontario, Canada, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application May 3, 1933, Serial No. 669,218
4 Claims. (Cl. 238—244)



1. A wear compensating means for rail end joints of the type comprising a pair of joint side bars and bolts projected through the bars and the intermediately disposed rail web, comprising a metallic shim adapted to be disposed between the bar and the rail being of angular cross-section tapering in thickness toward both ends from an intermediate portion and having an intermediate joint fin receiving notch, said notch substantially bisecting the generally horizontally extending shim portion, and a lateral extension extending from the side opposite the notch, the extension being sufficiently narrow to extend between a pair of rail joint bolts and of sufficient length and thickness to sufficiently compensate for the notch to prevent the concentration of bending stresses at the notch and a consequent tendency of the shim to break at its intermediate portion.

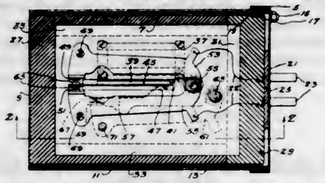
2,101,901
GLARE SHIELD
Joseph H. Fletcher, Southgate, Calif.
Application September 26, 1936, Serial No. 102,776
7 Claims. (Cl. 296—97)



1. A glare shield comprising a hollow shield element, a pair of extensible links pivotally connected to said shield element and movable therein, and a second U shaped shield element pivotally connected to the other ends of said links and fitting over said first-mentioned shield element.

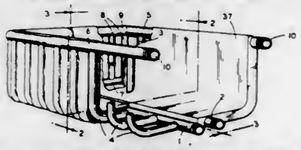
2,101,902
VIBRATORY CONTACT DEVICE
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1935, Serial No. 38,739
6 Claims. (Cl. 200—90)

1. An electrical vibrator device comprising, in combination, a metallic casing having separable portions interengaging to provide a closed electrical shield and container, means providing inner walls for said casing of resilient material, certain of said walls being recessed, and an electrical vibrator mechanism having portions engaging said



walls within the recesses to hold said unit in spaced relation to the interior of said casing, said recesses and walls forming the sole supporting and positioning means for said mechanism.

2,101,903
COMBUSTION CHAMBER HEATING DEVICE
Mora S. Hall, Baltimore, Md., assignor to May Oil Burner Corporation, a corporation of Maryland
Application May 16, 1935, Serial No. 21,885
4 Claims. (Cl. 122—368)



3. In a house heating boiler, a quick-heating water compartment forming the fire pot of the boiler, said fire pot being closed at the rear end and open at the top, said quick-heating water compartment being formed of a plurality of sections wherein each section has its individual fluid circulating system, and said quick-heating water compartment comprising water inlet means at the bottom thereof, a lower, rear tubular manifold communicating with said water inlet means, an upper, rear tubular manifold, a plurality of tubular conduits extending from said lower, rear manifold to said upper, rear manifold and disposed to deliver water from said lower, rear manifold to said upper, rear manifold, an upper, side tubular manifold communicating with said upper, rear manifold, a plurality of tubular conduits extending from said inlet means and communicating with said upper, side manifold and disposed to deliver water from said inlet means to said upper, side manifold, another upper, side tubular manifold, a plurality of tubular conduits extending from said inlet means and communicating with said latter upper, side manifold and disposed to deliver water from said inlet means to said latter upper, side manifold, and refractory material upon said manifolds and said tubular conduits, said refractory material forming the inner fire facing for said water compartment.

2,101,904
RECOVERY OF COMPACT METALLIC MAGNESIUM FROM MAGNESIUM IN FINELY DIVIDED FORM
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 20, 1934, Serial No. 753,892. In Austria May 4, 1934
3 Claims. (Cl. 75—67)

1. The method of producing substantially pure magnesium from magnesium in a finely divided

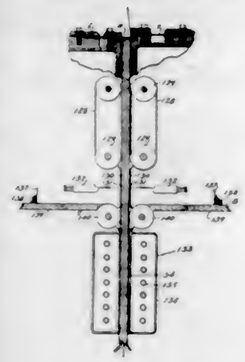
state, which comprises making the finely divided magnesium into a paste with a liquid hydrocarbonaceous impasting agent, heating the said paste up to a temperature at which partial decomposition, by cracking, of the hydrocarbonaceous impasting agent occurs while agitating the mass under treatment to form solid granular aggregates therefrom, and recovering the magnesium from the said aggregates by sublimation.

2,101,905

PILE FABRIC AND PROCESS FOR MAKING THE SAME

Ernest Hopkinson, New York, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application November 2, 1929, Serial No. 404,457
16 Claims. (Cl. 154—2)



1. The method of forming a sheet which comprises continuously advancing a web of fibrous material, repeatedly and successively forming folds in the advancing web with adjacent faces of the folds in contact throughout their lengths, applying an adhesive to the faces formed by the loops in the folds, and drying the adhesive.

15. A pile fabric having a pile consisting of a series of upstanding folds of fibrous material with a side of each fold in lateral contact throughout its length with the other side of said fold and in lateral contact throughout its length with the side of an adjacent fold, and an adhesive in which the loops of the folds are embedded.

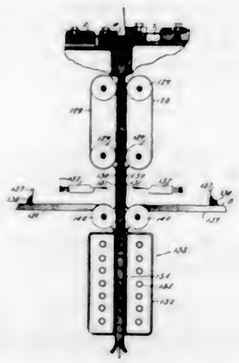
2,101,906

PILE FABRIC AND MACHINE FOR MAKING THE SAME

Ernest Hopkinson, New York, N. Y., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Original application November 2, 1929, Serial No. 404,457. Divided and this application July 9, 1931, Serial No. 549,636
11 Claims. (Cl. 154—1)

1. A machine for manufacturing fibrous sheet material comprising in combination, apparatus for continuously advancing fibrous material in web form, parallel blades arranged transversely of and edgewise to the web, means for reciprocating the blades to fold the web, members against which the web is clamped by the blades, mechanism for reciprocating the blades in a direction parallel to the web, the means and mechanism being so synchronized that the motion of



the blades parallel to the web takes place only when one blade is fully extended and the other fully withdrawn.

2,101,907

METHOD OF MAKING RUBBER ARTICLES

Victor H. Hurt, Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 3, 1935, Serial No. 14,443
2 Claims. (Cl. 18—58)

1. In the manufacture of a rubber article with raised and depressed markings on the surface thereof by the deposition of a rubber film from latex on a deposition backing having a deposition surface with depressed and relief portions, the steps which comprise applying latex to the deposition surface to fill in the depressions and cover the relief portions of said surface, and applying to the exposed surface of the deposited latex layer and before drying thereof a color in an aqueous medium contrasting with the color of the latex so that the contrasting color will bleed through the latex layer to the relief portions of the backing without bleeding through to the depressed portions of the backing and there will be provided in the marked surface of the rubber film a color in the depressed portions contrasting with the color of the raised portions thereof.

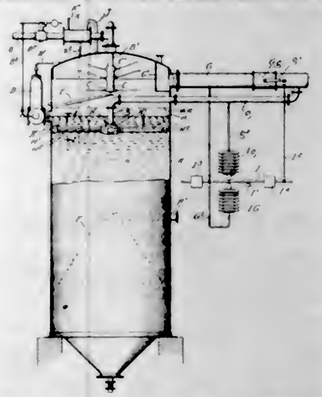
2,101,908

METHOD OF AND APPARATUS FOR TREATING WATER

Charles E. Joos, Philadelphia, Pa., and George H. Gibson, Upper Montclair, N. J., assignors to Cochrane Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application July 17, 1935, Serial No. 31,832
10 Claims. (Cl. 210—14)

1. In the hot process of water softening, the method which consists in passing the water and chemical precipitating material for softening the water, into a pool, and injecting jets of steam into said pool distributed at different radial distances from a vertical axis passing centrally through said pool with such directions as to create a circulatory movement to substantially all of the water in the upper portion of said pool about said vertical axis whereby the water movement contributes to the formation of flocculent



precipitate masses large enough to settle rapidly out of the water.

2,101,909

SELF-OPENING AND CLOSING CAP FOR COLLAPSIBLE TUBES

Gaston L. Lateur, San Francisco, Calif.

Application November 18, 1935, Serial No. 50,417
9 Claims. (Cl. 221—60)



1. In a device of the type described, a cap for a collapsible tube, said cap having a substantially conical-shaped end with an opening extending from the apex and being entirely disposed on one side of a diametrical line extending across the end, and a hollow mouth piece slidable in the cap and being movable through the opening when expelling the tube contents, said mouth piece having an end that will close the opening and lie flush with the remaining surface of the cap when the cap is in closed position.

2,101,910

PROCESS FOR THE MANUFACTURE OF ALKOXYANTHRAQUINONES

Frank Lodge and Colin Henry Lumsden, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 18, 1936, Serial No. 91,429. In Great Britain July 25, 1935
9 Claims. (Cl. 260—59)

1. Process for the manufacture of alkoxyanthraquinones in which the alkoxy substituent contains a long-chain alkyl group with 10 to 20 carbon atoms, which comprises reacting an alkali metal compound of a monohydric alcohol with 10 to 20 carbon atoms, with an anthraquinone compound which carries as a substituent a radical chosen from the group consisting of methoxy, ethoxy, propoxy, sec.-propoxy, butoxy, sec.-butoxy, tert.-butoxy, amyloxy, sec.-amyloxy, phenoxy and cresoxy.

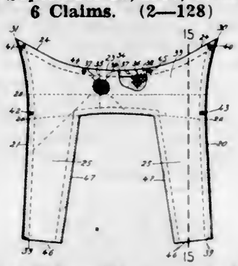
4. Process for the manufacture of 1-amino-4-arylamino-2-alkoxyanthraquinones, in which the alkoxy substituent contains a long-chain alkyl group with 10 to 20 carbon atoms, which comprises reacting an alkali metal compound of a monohydric alcohol containing 10 to 20 carbon atoms with a 1-amino-4-arylaminoanthraquinone which is substituted in the 2-position by a radical chosen from the group consisting of methoxy, ethoxy, propoxy, sec.-propoxy, butoxy, sec.-butoxy, tert.-butoxy, amyloxy, sec.-amyloxy, phenoxy and cresoxy.

2,101,911

COLLAR

Harry Lowenbraun, Brooklyn, and Morris Schwartz, New York, N. Y.

Application September 13, 1937, Serial No. 163,613
6 Claims. (2—128)



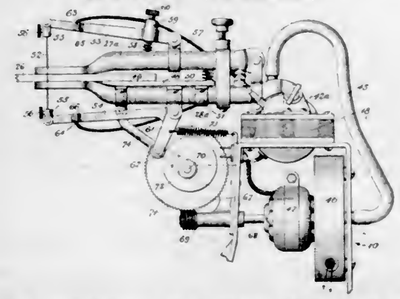
1. A convertible collar comprised of a neck portion and long pointed extremities, fastening means on the reverse side of said long pointed extremities, other fastening means to coact with said fastening means upon the long pointed extremities and along the back portion of the reverse side of said collar to detachably hold said long pointed extremities in an adjustable and proper position, a slide fastener along the center and front edges of said collar with an adjustable slide fastener member along said front edges of said collar for positioning said collar in any number of one or more desirable positions.

2,101,912

PYROELECTRIC TOOL

Edwin L. Meyer, Bridgeport, Conn.

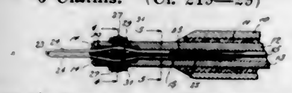
Application December 11, 1935, Serial No. 53,979
21 Claims. (Cl. 219—29)



1. A pyroelectric saw having a burning element for cutting a burnable workpiece; a combined smoke-removing and work-positioning means on one side of the workpiece adjacent the burning element of the saw, said means in-

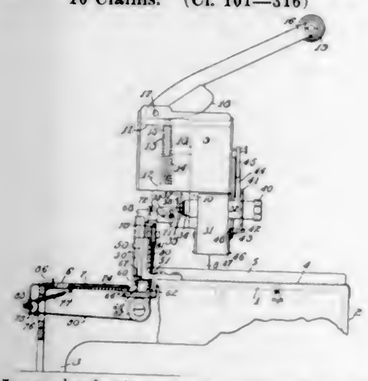
cluding a pipe for collecting air containing smoke; and means for removing the air containing smoke so collected.

2,101,913
PYROGRAPHIC PENCIL
Edwin L. Meyer, Bridgeport, Conn.
Application January 15, 1936, Serial No. 59,243
6 Claims. (Cl. 219—29)



3. In an electric pyrographic pencil, a handle portion having a longitudinally extending hole therein; a pair of low resistance conductors arranged in said hole in side by side relation, each of said conductors having a substantially plane portion, said portions being substantially parallel and facing each other near the working end of the pencil; current-insulating means interposed between said conductors and engaging the substantially plane portions thereof, said portions being grooved along the length of the pencil to form channels for receiving the end lengths of a resistance wire; and a draft means passing through one of said plane portions and operable from the exterior of the pencil to draw the associated end length of resistance wire outward from the center line of the pencil to clamp said end length in said channel.

2,101,914
CHECK SIGNER
Howard I. Morris, Indianapolis, Ind.
Application June 15, 1935, Serial No. 26,729
10 Claims. (Cl. 101—316)

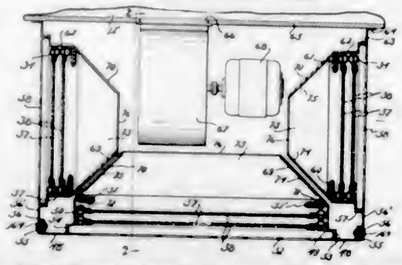


1. In a check signer, the combination with a bed, of a reciprocating plunger mounted above said bed and having impression means, severing means at the delivery end of said bed, means for removing the severed check from said bed, and means operated by the movement of the said head in making an impression for successively operating said severing means and said removing means.

2,101,915
PROCESS OF MAKING RUBBER COMPOSITION
Robert R. Olin, Akron, Ohio, assignor to The Worthington Ball Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application January 2, 1935, Serial No. 97
8 Claims. (Cl. 18—50)

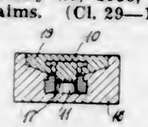
1. The process of providing an improved composition of material consisting of separately preparing an aqueous dispersion of uncoagulated vulcanized rubber latex and a solution of dissolved unvulcanized and substantially deresinated balata, coagulating the balata and subsequently mixing the same with the vulcanized rubber latex in the absence of balata vulcanizing materials to form a substantially homogeneous mixture of tough resilient material.

2,101,916
WARM AIR CIRCULATING AND FILTERING APPARATUS
Herman A. Phail, River Rouge, Mich.
Application September 16, 1932, Serial No. 633,500
2 Claims. (Cl. 230—128)



1. In a device of the class described, a blower or fan housing comprising corner supporting members; inwardly projecting flanges on each of said supporting members; a pair of side walls; a baffle plate carried by and positioned between said side walls; and a channel carried by each of said side walls slidable over said flanges for retaining said baffle plates projecting inwardly from one of said openings.

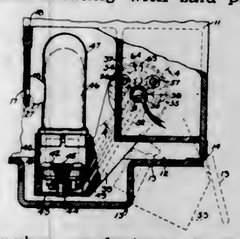
2,101,917
METHOD FOR MAKING VALVE TAPPETS
Albert S. Plater, Saginaw, Mich.
Application January 25, 1935, Serial No. 3,456
4 Claims. (Cl. 29—156.7)



4. The method of forming a tappet which consists in first forming a tubular core with one shouldered and slotted end, inserting a sound deadening disc in the core intermediate the ends thereof, placing the core in a "flask" and casting a head on the shouldered and slotted end thereof to fill the same at one side of the disc, welding a stem to the exposed projecting end of the core in a manner to leave the same unfilled at the opposite side of the disc, and then finish grinding said tappet.

2,101,918
MOUNTING FOR LIGHT SENSITIVE DEVICES
Ernest Ross, Los Angeles, Calif., assignor to United Research Corporation, Burbank, Calif., a corporation of Delaware
Application June 8, 1936, Serial No. 84,111
14 Claims. (Cl. 179—100.3)

1. A light sensitive cell mount comprising a stationary support, a bracket having a passage therein, a socket on said bracket adapted to support a light sensitive cell, a pivotal connection between said bracket and said support, said connection having an opening along the pivotal axis thereof communicating with said passage, and



current carrying conductors attached to said socket and extending through said passage and said opening in said pivotal connection.

2,101,919
PRODUCTION OF REFINED MAGNESIUM AND MAGNESIUM ALLOYS
Georg Schichtel, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application August 19, 1935, Serial No. 36,853. In Austria March 30, 1933
5 Claims. (Cl. 75—67)

1. The method of producing refined magnesium, which comprises melting impure magnesium with a fluid flux containing as purifying agents a mixture of antimony sulphide, chloride of iron, zinc chloride and magnesium chloride, agitating the molten metal with the flux, allowing the metal and the flux to segregate from each other, and separating the metal from the flux.

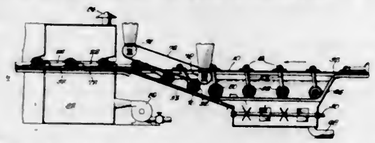
2,101,920
MULTI-PLY WOOD BAKER'S PEEL
Henry L. Schroeder, Chicago, Ill.
Application June 3, 1935, Serial No. 24,595
5 Claims. (Cl. 107—67)



1. In a composite wooden baker's peel, an inner core having a tapered tip, veneered wooden sheets of uniform thickness attached to each other and to the tapered tip at each side, overlapping the core and contacting with each other beyond the tip, the grain of the veneer of corresponding sheets on opposite sides of the tip being parallel and at right angles to that of the adjacent veneer sheet to prevent warping of the peel when it is heated, and the grain of the veneered sheets in the tip being at an angle of forty-five degrees with respect to the edge of the tip to form a thin hard wearing edge.

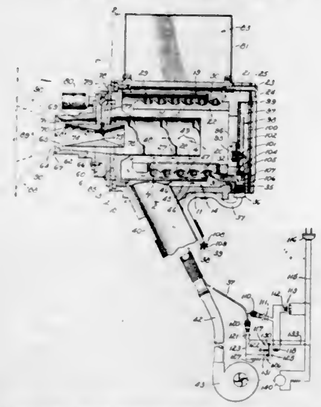
2,101,921
MINERAL WOOL INSULATION
George D. Shaver, Crown Point, Ind.
Application April 2, 1937, Serial No. 134,668
7 Claims. (Cl. 92—56)

1. That improvement in processes of forming mineral wool insulation in cylindrical form, which includes the steps of rotating a foraminous mandrel about an axis extending therethrough in a bath containing particles of such wool and applying suction to the interior of said mandrel to initiate tenacity between said mandrel and said wool particles, and moving said mandrel in a direction normal to its axis of rotation.



5. In a machine of the class described, a vat adapted to contain a suspension of fibrous material, a plurality of hollow foraminous mandrels rotatable about their individual axes and supported in bearings carried by a conveyor movable along a path adjacent to and through said vat, means for applying suction to the interior of said mandrels, and means for revolving said mandrels in said bearings whereby the mandrels are immersed and then removed from the vat after accumulating fibrous material thereon.

2,101,922
SPRAYING APPARATUS
Ludwig Stoesling, Monrovia, Calif.
Application February 19, 1935, Serial No. 7,237
21 Claims. (Cl. 91—45)

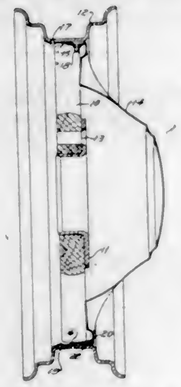


6. A method of applying to a surface a coating of paraffin, which method includes the steps of: heating said paraffin until it is molten; spraying said paraffin onto said surface in molten condition and in atomized state by moving toward said surface an inner stream of low velocity hot air containing atomized paraffin; and protecting said stream of atomized paraffin from contact with the atmosphere by surrounding said stream with a moving annular envelope of heated gas flowing toward said surface in concentric relation with said inner stream of atomized paraffin.

12. In a spraying device of the character described, the combination of: a head structure having an opening therein; means for delivering a stream of low pressure non-combustible gas to said opening; means in said opening for dividing said stream of gas into inner and outer substantially concentric streams, said means including a tube disposed in said opening, said tube having an annular edge adapted to pierce said stream, whereby said inner stream may flow through said tube and said outer stream may flow through the

space between said tube and the walls of said opening; passage means communicating with the interior of said tube; and means for delivering to said passage means, and thus to said inner stream of gas moving through said tube, the material to be sprayed, whereby said material may be picked up by said gas constituting said inner stream and discharged inside said outer stream of gas and against a surface to be coated, the low pressure of said gas preventing such spreading or mixing of said streams as would prevent a smooth flow of concentric streams from said head to a surface to be coated.

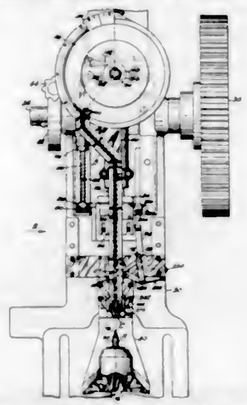
2,101,923
VEHICLE WHEEL
Charles R. Stough, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application July 13, 1935, Serial No. 31,148
8 Claims. (Cl. 301—37)



1. The combination with a wheel and a cover therefor including an axially extending peripheral flange, of means for detachably securing the cover to the wheel comprising a pair of resilient attaching elements permanently secured to the wheel at widely spaced points adjacent the periphery of the wheel, one of said elements adapted to engage the outer surface of said flange and to exert thereagainst a yielding pressure in a radially inward direction, the other of said elements adapted to engage the inner surface of said flange and to exert a yielding pressure thereagainst in a radially outward direction.

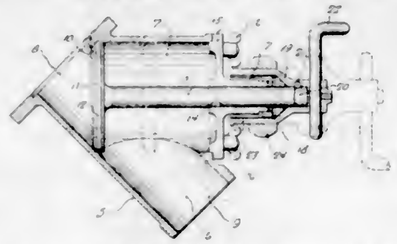
2,101,924
RIVETING MACHINE
Edward Turnquist, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 22, 1935, Serial No. 32,515
5 Claims. (Cl. 78—48)

5. In a machine for heading rivet shanks having a conical recess in their bottoms, the combination of a support for work to be riveted; a yielding pin normally projecting through the rivet receiving aperture of the work, said pin having a conical tip adapted to register with the recess of a rivet shank to be inserted in the work and guide the same through the aperture of the work; a heading tool including the conical pin tip, said tip being adapted to cause the shank metal to flow laterally into the head-forming cavity of the tool upon movement of the rivet shank to-



ward the stopped pin; and means stopping the pin in cooperative position with the tool.

2,101,925
VALVE
Arthur B. Webb, Milwaukee, Wis., assignor to Cream City Boiler Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 15, 1937, Serial No. 130,989
6 Claims. (Cl. 251—43)

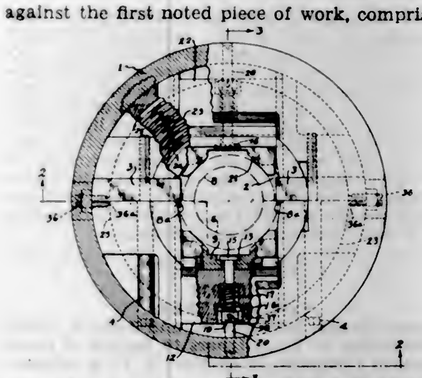


1. In a valve of the character described, a valve body having a valve seat and a cover aligned with but spaced from the valve seat, a movable valve element adapted to engage said seat to close the valve, a valve stem connected with the movable valve element and extending slidably through said cover, a part having a readily disengageable connection with the cover to secure the same against movement away from the cover, and another part connected with the valve stem and having threaded engagement with the first named part, so that rotation of said second named part in one direction applies closing force onto the valve element, the reaction of which is carried through said first named part to the cover.

2,101,926
RAIL CHUCK FOR MACHINE TOOLS
Theodore A. Wettig, Cincinnati, Ohio
Application May 22, 1936, Serial No. 81,274
6 Claims. (Cl. 279—116)

1. A rail chuck for machine tools for holding a plurality of pieces of work for a tooling operation comprising a body, a plurality of work holding jaws movable in said body, rails mounted in said body towards which one of the said jaws is adjustable for clamping one of the pieces of work, and means for clamping another piece of work

against the first noted piece of work, comprising

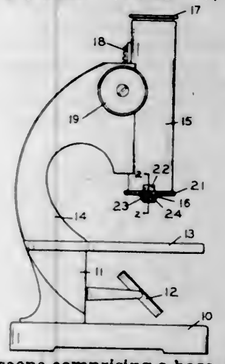


in combination with said work holding jaws a floating scroll.

2,101,927
PROCESS FOR NITRATING SUCROSE
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application September 28, 1936, Serial No. 102,979
7 Claims. (Cl. 260—145)

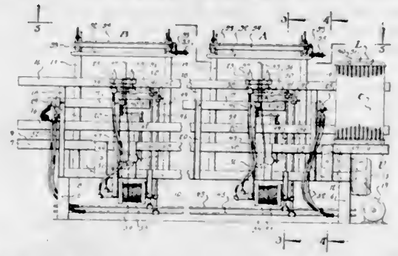
1. The process of nitration which comprises nitrating sucrose in the presence of a mixture consisting predominantly of an alkyl ester of a mono hydroxy aliphatic carboxylic acid, said alkyl group containing not more than five carbon atoms, and one or more members of the group consisting of: methyl nitrate, ethyl nitrate, propyl nitrate, amyl nitrate, butyl nitrate, dichlorethyl ether, tetrachlorethane, carbon tetrachloride, chloroform.

2,101,928
MICROSCOPE
William Bausch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 22, 1934, Serial No. 754,297
4 Claims. (Cl. 88—39)



1. A microscope comprising a base, an arm carried by said base, a body tube adjustably carried by said arm, means for moving said body tube for focusing an objective lens mount threadedly carried directly by said tube, means for rotating said objective lens to make small adjustments of focus, and means for limiting the rotation of said objective lens mount in both directions.

2,101,929
SOLDERING MACHINE
Martin G. Boerger, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application September 16, 1936, Serial No. 101,123
5 Claims. (Cl. 113—59)



1. In a soldering machine, the combination of two spaced burner nozzles, means for normally supplying sufficient fuel to the nozzles to maintain a pilot flame, means for supplying an increased volume of fuel to the nozzles to cause flames to be projected therefrom, normally closed valves for controlling the supply of fuel to the nozzles, spaced wire solder feeds for feeding wire solder to points adjacent the flames, means for carrying a radiator core between the nozzles and the solder feeds in such a manner that the solder has a wiping engagement with the opposite sides of one header of the core adjacent a junction in said header and the flames projected from the nozzles impinge the portions of the header adjacent the point of wiping engagement of the solder therewith, and means operable by the advance of the core for opening said valves and controlling the feeding of the solder.

2,101,930
COPPER BASE ALLOY
Charles H. Davis, Cheshire, and Elmer L. Munson, Naugatuck, Conn., assignors to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application April 13, 1935, Serial No. 16,204
9 Claims. (Cl. 148—32)

1. An alloy comprising copper, cadmium, nickel, zinc and aluminum in proportions within the following ranges:

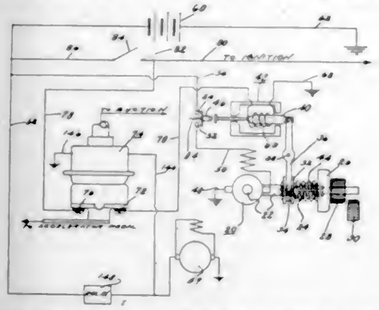
	Percent
Copper	60. to 98.7
Cadmium	.05 to 3.0
Nickel	.5 to 30.0
Aluminum	.25 to 4.0
Zinc	.5 to 39.2
Manganese	0. to 1.0

said alloy being characterized by superior resistance to intercrystalline attack or corrosion when exposed to steam or hot water.

2,101,931
ENGINE STARTER CONTROL APPARATUS
John B. Dyer, Pendleton, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 11, 1933, Serial No. 688,887
20 Claims. (Cl. 290—37)

20. Control apparatus for engine starting devices comprising a current source, a starting motor adapted to be operated by current from said source, a magnetic switch for connecting the

starting motor with the current source and for establishing driving connection between the starting motor and the engine, a control switch for controlling the operation of said magnetic switch having fixed and movable contacts, manually operable means for causing said movable contact to be moved to position to close the switch in order to cause the starting motor to become operative, means operable by the engine when it begins to run under its own power for



moving said movable contact to position to open said control switch in order to render the starting motor inoperative, and another means also operable by the engine tending to move the movable contact to open the control switch and adapted to hold said control switch open independently of the first mentioned means, said last named means being effective on said movable contact only after said control switch is opened.

2,101,932

EXPOSURE CONTROL

John Eggert, Leipzig-Gohlis, and Hans Friedrich Nissen, Dessau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application April 19, 1935, Serial No. 17,318
In Germany April 20, 1934
1 Claim. (Cl. 95—75)



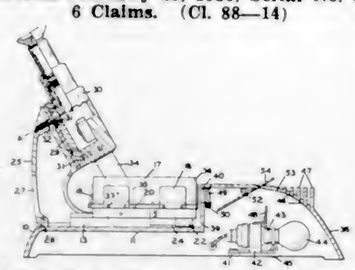
An apparatus for exposure control comprising in combination a source of light for scanning a picture, a photo-electric device which receives the light varying in intensity with the density of said picture thereby causing a variation of an electric current, a galvanometer deflected in accordance with said variations of electric current, a mirror provided on said galvanometer, a second source of light projecting a pencil of light on said mirror, said pencil of light being reflected by said mirror, a series of photo-electric devices arranged one beside the other within the reach of said reflected pencil of light at a distance smaller than the breadth of the reflected pencil, relays arranged in a circuit with said photo-electric devices, a further series of relays actuated by said first named relays, a source of light for exposing a photographic layer, a resistance arranged in a circuit with said source of light and switches actuated by said relays for switching on and switching off parts of said resistance for varying the intensity of said source of light for exposing said layer in accordance with said variations of electric current, a wire coil arranged on the relay situated farthest towards the end of the reach of said reflected pencil of light when said mirror is most deflected, and switches actuated by said wire coil for keeping switched off the whole resistance in the circuit of said source of light for exposing said layer when said reflected pencil of light passes beyond the last photo-electric device of said series.

2,101,933

COLORIMETER

Gustave Fassin, Irondequoit, and John R. Miles, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application February 25, 1936, Serial No. 65,650
6 Claims. (Cl. 88—14)



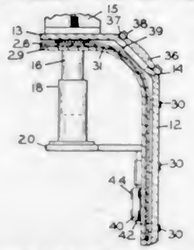
1. A colorimeter comprising a base, two specimen troughs horizontally slidably mounted on said base, a support carried by said base, an observation system, two transparent plungers carried by said observation system for immersion in said troughs, said plungers each having a vertical light receiving surface, and means for mounting said observation system on said support above said troughs for sliding movement in an inclined plane whereby said plungers may be selectively immersed or withdrawn from said troughs.

2,101,934

COLORIMETER

Gustave Fassin, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application February 25, 1936, Serial No. 65,651
5 Claims. (Cl. 88—14)



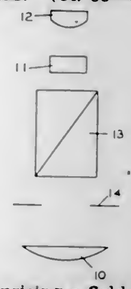
1. A colorimeter having in combination a base, a vertical wall carried by said base, a non-vertical wall carried at the upper end of said vertical wall, a downwardly facing window in said non-vertical wall, a horizontal platform carried by said non-vertical wall, an observation system mounted on said platform, two plungers secured on said platform below said observation system, two specimen cups vertically movably mounted on said vertical wall one beneath each plunger, a flexible scale member secured to each cup, and means for guiding said scale members beneath said window.

2,101,935

ANALYZING OCULAR

Leon V. Foster, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application February 28, 1935, Serial No. 8,675
3 Claims. (Cl. 88—39)



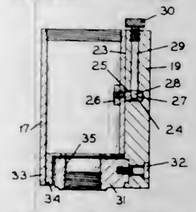
2. An ocular comprising a field lens, the emergent rays from which are not collimated, an analyzing prism and an eye lens assembly, said eye lens assembly comprising crossed cylindrical lenses so spaced and so related to the analyzing prism and to each other as to form an astigmatic system neutralizing the astigmatism of the prism.

2,101,936

MICROSCOPE

George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application October 9, 1935, Serial No. 44,240
5 Claims. (Cl. 88—39)



1. In a microscope, a cylindrical body tube, a support having a cylindrical surface for receiving said body tube, a stud on said body tube, said stud having a hole, a recess in the cylindrical surface of said support, and a screw threaded in said support perpendicular to said stud and having a tapered end for engaging the hole in said stud to draw said tube against said surface.

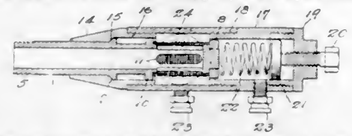
2,101,937

SWIVEL PIPE JOINT

Chipman H. Giberson, Elyria, Ohio

Application July 30, 1937, Serial No. 156,589
3 Claims. (Cl. 285—9)

1. The combination in an angular pipe joint, of a nipple located at one end of the joint body and having an exterior tapered packing head, a complementary seat in the joint for said head, journal bearings in the joint for said nipple, said nipple having ports near its inner end opening to the interior of the joint body, a spring-head on the inner end of the nipple, a flanged nut closing the other end of the joint body and an adjusting disk in said nut, a spring interposed between the spring-head and said disk, and an adjusting bolt threaded through the nut and engaging said disk.

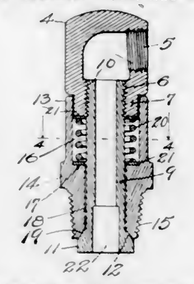


2,101,938

LUBRICATED SWIVEL PIPE JOINT

Chipman H. Giberson, Elyria, Ohio

Application September 1, 1937, Serial No. 162,019
2 Claims. (Cl. 285—9)



2. The combination in a swivel pipe-joint with a sleeve having a conical seat, of a nipple swiveled in the sleeve and an exterior conical shoulder on one end of the nipple fitted in said seat, a hollow head rigid with the other end of said nipple, a journal bearing rigid with the head and located in said sleeve, and a compressed spring coiled about the nipple and interposed between said journal bearing and a portion of the sleeve.

2,101,939

COOKING OR EXTRACTING PROCESS

Max Groeck, Berlin, Germany, assignor to Hydro-Groeck G. m. b. H., Berlin, Germany

No Drawing. Application May 21, 1937, Serial No. 143,976. In Germany February 26, 1935
7 Claims. (Cl. 99—100)

1. The process of cooking or extracting foodstuffs such as vegetables and of preparing beverages by boiling with water, which comprises introducing into the mixture of substances used in the cooking or extracting process a bisulfate of an alkali metal which is capable of rendering alkaline earth metal salts soluble in the boiling water and of preventing the mineral matter present in the raw material from being extracted during boiling.

2,101,940

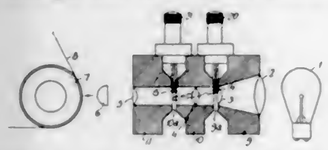
OSCILLOGRAPH

Sven Severin Hansen and Terrence Max Emil Wendt, Rasunda, Sweden

Application October 7, 1935, Serial No. 43,950
In Sweden October 22, 1934
6 Claims. (Cl. 88—61)

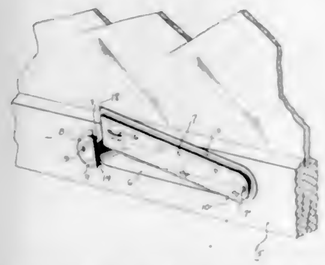
1. In a light valve for recording sound on a film, a source of light, two light intercepting or

screening elements adapted to oscillate in accordance with the sound to be recorded, separate magnetic fields for said elements, and means to form



an image of one element substantially in the plane of the other element, whereby one element and the image of the other form a light slot for controlling a beam of light from said source.

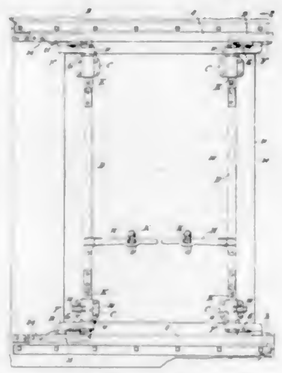
2,101,941
STORM SASH VENTILATOR
William C. Hansen and Henry J. Goelzer, Milwaukee, Wis.
Application July 1, 1936, Serial No. 88,280
5 Claims. (Cl. 98—97)



1. A closure for ventilator openings formed in one rail of a storm sash, comprising a member formed entirely of sheet metal and of a size to close the ventilating opening, means pivotally mounting said member on said rail of the storm sash for edgewise movement in a plane parallel to the surface of the rail to and from a position closing the opening, a stop member secured to said rail of the sash to coact with the free end of said pivoted member to hold the same in closed position, and the free end of said pivoted member and said stop having engaging portions lying substantially on planes parallel to the surface of the rail, one of said engaging portions being adapted to be sprung against spring tension upon engagement of said portions whereby the closure member is firmly held in its closed position.

2,101,942
REFRIGERATOR CAR DOOR
Stacy B. Haseltine, Glen Ellyn, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 1, 1936, Serial No. 82,806
17 Claims. (Cl. 20—23)

1. In a door construction for refrigerator cars having a wall member provided with a door opening, the combination with a door adapted to close said opening; of a guide track on said wall member; a carrier slidably guided on said track; a rotary operating shaft mounted on said door; keeper means on said carrier; keeper engaging means on said shaft engageable with the keeper means to either force the door tightly closed or pry the same open; and a swinging supporting arm pivoted at one end on said carrier and having the other end journaled on said shaft for ro-



tation with respect to said shaft about an axis coincident with the axis of said shaft.

2,101,943
METHOD OF MANUFACTURING YARNS
Wilhelm Hollerung, Kulmbach, Germany, assignor to Kulmbacher Spinnerei, Kulmbach, Germany, a corporation of Germany
No Drawing. Application November 30, 1935, Serial No. 52,421. In Germany December 3, 1934
5 Claims. (Cl. 117—21)

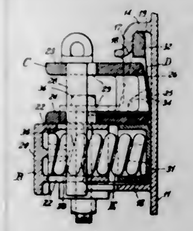
1. The method of manufacturing compound yarns having the suppleness, elasticity, and the loose, pliant feel of wool, which comprises first over-twisting one or more core threads, normally twisting one or more covering threads, and finally wrapping said core threads with said covering threads, the tendency toward recovery of the overtwisted core component serving to somewhat contract or shrivel said compound yarn.

2,101,944
CONDENSATION PRODUCT AND PROCESS OF PRODUCING SAME
Herbert Hönel, Vienna, Austria, assignor to Helmuth Reichhold, Detroit, Mich., doing business as Reichhold Chemicals
No Drawing. Original application December 20, 1934, Serial No. 758,502. Divided and this application October 7, 1935, Serial No. 43,987
5 Claims. (Cl. 260—4)

1. A process of producing solid heat hardening soluble resinous condensation products which comprises condensing by the aid of an alkaline catalyst, an excess of formaldehyde over the equimolecular proportion with a phenol in which two of the particularly reactive positions are unoccupied and which carries at least one ethyl group as substituent per each phenolic hydroxyl group present in the molecule.

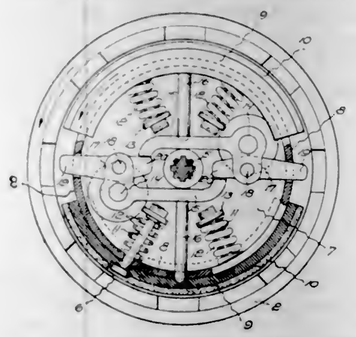
2,101,945
DRAFT AND BUFFER GEAR
George A. Johnson, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application June 2, 1933, Serial No. 673,983
14 Claims. (Cl. 213—9)

3. In a combined draft and buffer gear for cars, the combination with a buffer head at the end of the car supported for movement inwardly toward the car; of shock absorbing means opposing inward movement of said head; an upright swinging lever; means pivotally supporting said lever at one end and holding the same against upward displacement, said lever having the opposite end portion thereof engaging the shock



absorbing means to compress the same during outward movement of the lever in draft; fixed abutment means for holding said last named end portion of the lever against inward movement during a buffing action of the gear; and a draft member pivotally connected to the lever between the ends of the latter.

2,101,946
CENTRIFUGAL CLUTCH FOR ROTATING MACHINE ELEMENTS
Gustaf Emil Jonsson, Huddinge, Sweden
Application August 20, 1935, Serial No. 37,068
In Sweden September 11, 1934
2 Claims. (Cl. 192—105)



1. In a centrifugal clutch for rotating machine elements, a first clutch member comprising a disc affixed to one of the machine elements, a supporting ring turnably mounted on said disc, a number of clutch segments mounted exteriorly on said ring and radially displaceable in relation thereto, spring means acting on the clutch segments and adapted to displace the same inwardly towards the outer face of said ring in counteraction of the centrifugal force, a number of two-armed levers supported by said disc, one arm of each lever extending through an opening in said ring, the other arm being adapted by suitable intermediate means to exert an outward force on a clutch segment when the ring is rotated relatively to the disc, and a second clutch member affixed to the other machine element and provided with a clutch surface for frictional engagement with the clutch segments.

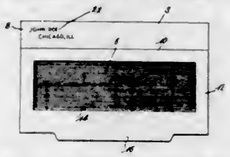
2,101,947
COHERENT POROUS ZIRCONIUM SILICATES
Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 29, 1933, Serial No. 682,795
10 Claims. (Cl. 106—9)

1. The method of making porous zirconium silicates which comprises mixing natural zircon grains with an aqueous solution of a zirconium and silicon containing salt, adding an ammonia vapor to aid in setting the mixture, shaping the mixture to form, and then burning same at temperatures between 800° and 1500° C.

2,101,948
SYNTHETIC RESIN
Felix Lauter, Evanston, Ill., assignor to Sealkote Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 7, 1935, Serial No. 53,430
4 Claims. (Cl. 260—8)

1. Method of producing a resinous reaction product which will remain in solution with cellulose acetate for the production of a stable and transparent film and is practically water white and when dissolved in acetone or ethyl acetate or both is miscible in all proportions with cellulose acetate that comprises heating an admixture of about 296 parts by weight of phthalic anhydride and about 184 parts of glycerine in an air tight container equipped with a sealed reflux condenser, agitating the mixture when it reaches a fluid state and then adding about 2 parts of lactic acid as a catalyzing agent, heating the mass for about 2 hours at a temperature not higher than 160° C. and concentrating and distilling in an open vessel at a temperature not to exceed 245° C.

2,101,949
ADDRESSING STENCIL
Neil D. Luckie, Miami, Fla.
Application May 16, 1935, Serial No. 21,858
6 Claims. (Cl. 101—127)



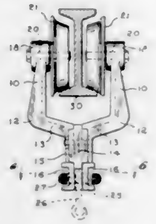
1. An addressing stencil comprising, a body portion having forward and rear flaps, a stencil strip associated with one flap of the body portion, and a spacing member having two flaps provided with openings associated on opposite sides with the stencil strip flap to expose said strip through the openings thereof and to present thickness on each side of the strip to normally prevent contact thereof with a flat surface.

2,101,950
PREPARING METAL FOR ENAMELING
George W. McGohan, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Continuation of application Serial No. 675,645, June 13, 1933. This application March 21, 1934, Serial No. 716,674
6 Claims. (Cl. 148—7)

1. A process of preparing iron or steel for vitreous enameling which consists in coating the

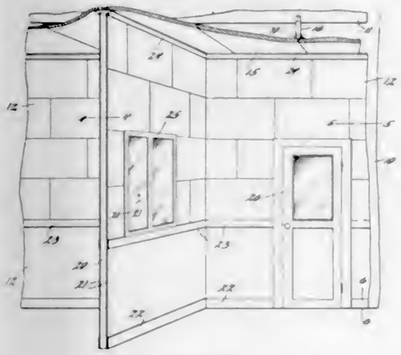
metal with a heat decomposable salt of an adherence enhancing metal, heating the metal to decompose the salt and form a thin coating of the adherence enhancing metal alloyed with the iron or steel and acid treating the product, said metal being nickel.

2,101,951
TROLLEY YOKE
Colin Herbert McInnis, Windsor, Ontario, Canada
Application June 30, 1936, Serial No. 88,195
4 Claims. (Cl. 198—177)



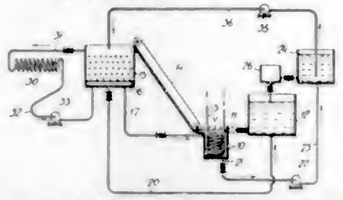
1. A carrier trolley for conveyor chains including oppositely disposed brackets having their lower ends engaged in a link of the conveyor chain, a spacing block disposed between the lower ends of said brackets having laterally projecting lugs at each end adapted to engage over the sides of said brackets and secure the same in parallel alinement and means securing said spacing block and brackets together.

2,101,952
BUILDING CONSTRUCTION
Anders Christian Olsen, Garden City, N. Y.
Application February 14, 1935, Serial No. 6,565
42 Claims. (Cl. 72—1)



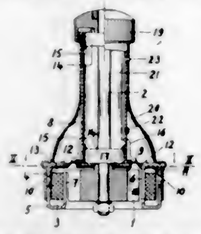
1. An interior covering structure for buildings comprising, in combination, spaced wall and ceiling members, at least the exposed ones of which are composed of a plurality of panels, spacing and connecting elements between said spaced wall and ceiling members comprising elongated main supporting members substantially T-shaped in cross section, other elongated members also T-shaped in cross section interlocked with said first named members and with the margins of adjacent panels.

2,101,953
METHOD AND APPARATUS FOR PRODUCING COLD
Erik Oman, Stocksund, Sweden
Application September 12, 1936, Serial No. 100,546
In Sweden September 21, 1935
15 Claims. (Cl. 62—95)



1. A method of producing cold in refrigerating plants which operate at varying load, comprising subjecting a solution of a substance in a solvent to a temperature below its freezing point by means of excess of cold at disposal at low load, thereby causing solvent to be transferred into solid phase in the form of crystals, separating solid phase from the solution, transferring at high load such separated solid phase into liquid phase, and utilizing the cold thus produced.

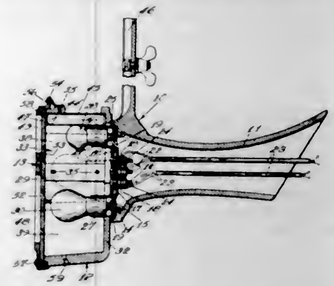
2,101,954
BICYCLE LIGHTING GENERATOR
Paul Rathmann, Podmokly, Czechoslovakia, assignor to Elektrotechnische Fabrik Schmidt & Co., Gesellschaft m. b. H., Podmokly, Czechoslovakia, a limited liability company of Czechoslovakia
Application February 10, 1937, Serial No. 125,107
In Czechoslovakia February 15, 1936
3 Claims. (Cl. 171—209)



1. In a bicycle lighting dynamo in combination, a rotary pole magnet, a cage of C-shaped cross-section surrounding said magnet, tongues formed on the inner wall of said cage serving as armature poles, a spindle, one end of which is fixed in said magnet, a drawn tube mounted on said cage, a flange projecting from the end of said tube, the circumferential edge of said flange fitting exactly the inner surface of the outer wall of said cage, bearings supporting said spindle in said tube and means for preventing displacement of said tube relative to said cage.

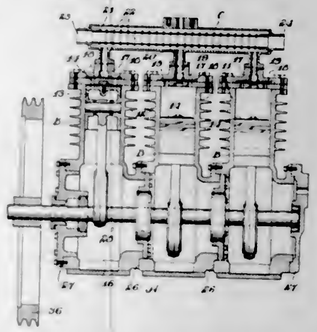
2,101,955
INDICATOR
Alden G. Rayburn, Sausalito, Calif.
Application February 21, 1934, Serial No. 712,389
6 Claims. (Cl. 177—327)

4. A vehicle signaling device comprising a housing having open ends; a hollow sleeve adapted to surround the opening in one end of said housing and support the device; an inwardly directed peripheral shoulder in said sleeve; a contact carrying member disposed in said sleeve; a plurality of contact posts disposed centrally of said contact member and said sleeve; a plurality of electrical conduits disposed in said sleeve adapted to connect said posts with a source of energy and designed to be independently energized under predetermined conditions; a socket member having a plurality of sockets adapted to be clamped between said housing and said sleeve;



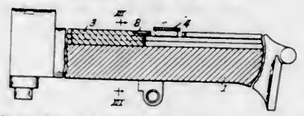
a bulb in each socket; individual spring contacts biased away from said contact carrying member and connecting each of said posts with a predetermined bulb, said spring contacts resiliently urging said contact carrying member against said shoulder when said bulbs are in place in said sockets; and means for clamping said sleeve and said housing and retaining said socket member and said contact carrying member in proper operating position.

2,101,956
SECTIONAL REFRIGERANT COMPRESSOR
Edward J. Sailstad, Minneapolis, Minn., assignor to Van Duyne-Moran Fixtures, Co., St. Paul, Minn., a corporation of Minnesota
Application January 22, 1934, Serial No. 707,747
2 Claims. (Cl. 230—184)



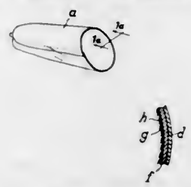
1. A refrigerant compressor including, the combination of unitary compression cylinders and crank case portions, means for connecting one or more similar unit compressing cylinders and crank case portions, eccentric straps, pistons in said cylinders connected to said straps, a crank shaft for all of the cylinders, bearings mounted between said units, enlarged shaft portions engageable in said bearings and eccentrics on said shaft of substantially equal size to said enlarged portions to permit said eccentric straps and bearings to be made in one piece.

2,101,957
RECOIL LOADING FIREARM
Thomas Frederick Sanders, Slough Trading Estate, England, assignor to Sanders Small Arms, Limited, London, England
Application February 23, 1937, Serial No. 127,239
In Great Britain February 26, 1936
8 Claims. (Cl. 42—4)



1. A bolt locking arrangement for a recoil loading firearm comprising a breech casing, a part not participating initially in the recoil, longitudinal guiding means between the said part and the breech casing, a breech bolt slidably mounted in the breech casing, a bolt locking member pivoted on the breech casing on a substantially central axis perpendicular to the longitudinal axis of the gun, and a lateral surface on the locking member located to contact with the part not participating initially in the recoil and so rocks the locking member.

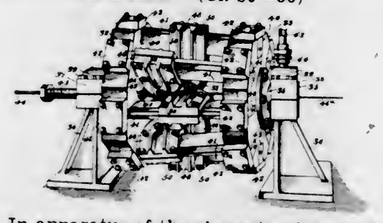
2,101,958
ARTIFICIAL SAUSAGE CASING AND PROCESS FOR MAKING SAME
Gustav Sachsenröder, Wuppertal-Barmen, Allee, Germany
Application May 23, 1934, Serial No. 727,074
In Germany December 7, 1932
14 Claims. (Cl. 99—176)



1. A sausage casing of hydrated fibrous paper which is hydrated to such a degree that its lateral extensibility at the periphery of the casing in the wet state exceeds 25 per cent.

8. A sausage casing of hydrated fibrous paper according to claim 1, which is so strongly hydrated that it has a skin-like translucent consistency.

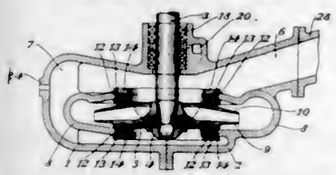
2,101,959
METAL DRAWING APPARATUS
Walter F. Schulz, Youngstown, Ohio, assignor of one-half to Julius Kahn, Youngstown, Ohio
Application August 16, 1933, Serial No. 685,479
24 Claims. (Cl. 80—36)



1. In apparatus of the character described, the combination with a supporting structure having means for admitting stock thereto and the exit of

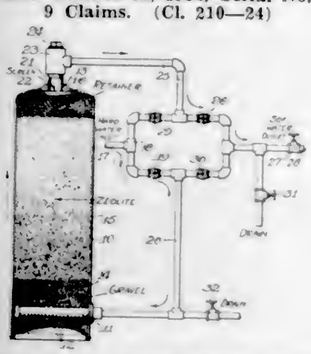
the altered product therefrom, of a plurality of carrier members extending longitudinally along and on different sides of the path of the stock in the supporting structure, said carrier members being disposed in convergent relation, carriages movable longitudinally along the carrier members, and die elements mounted on and movable with the carriages, die elements being thereby movable to varied spaced relations, means for fixing the carriages at different points on the carriers, and means for drawing stock between the die elements when fixed in their adjusted positions.

2,101,960
CENTRIFUGAL PUMP
Erik Albert Alexander Sjöström, Gothenburg, Sweden
Application January 21, 1936, Serial No. 60,098
In Sweden February 11, 1935
4 Claims. (Cl. 103—111)



1. A centrifugal pump having an impeller comprising disks and a number of blades provided between said disks and having passages provided between them, a central inlet opening in one of said disks leading to said passages, ducts in said last mentioned disk beginning at an inner portion of the disk and ending at a part of said disk more remote from the center of the disk than said inner portion, said ducts having at least along some part of their length substantially the same direction as the passages between the impeller blades, and sealing means between the suction side and the pressure side of the impeller, said ducts communicating at their outer ends with said sealing means and at their inner ends with said central inlet opening.

2,101,961
TREATMENT OF WATER
Kemper Slidell, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 31, 1934, Serial No. 750,882
9 Claims. (Cl. 210—24)

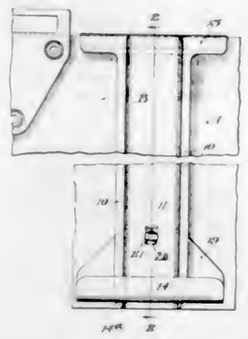


7. Apparatus for treating liquid comprising a container, a mass of particles of treating material in said container, bottom and top connections from said container whereby said liquid may flow upwardly through said mass, said particles being only slightly heavier than the liquid, whereby the upward flow thereof, in the absence of restraining means, would carry said particles out of said container, and a floating screen in said liquid above said mass composed of irregularly shaped lighter particles of hard material, in the surface pits of which said first mentioned particles are caught temporarily and are subsequently dislodged and sink in said liquid.

2,101,962
METHOD OF MAKING FRUIT EXTRACT CONCENTRATES AND FLAVORS
William E. Stokes, Brooklyn, and Margaret H. Kennedy, New York, N. Y., assignors by mesne assignments, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application February 18, 1936, Serial No. 64,470
9 Claims. (Cl. 99—22)

1. A method of making fruit extract concentrates and flavors comprising steeping fruit substance in a cool acidulated menstruum to obtain an extract, the acid content of said menstruum being sufficient in amount to cause said extract to have a pH value of between about 2 and no greater than 2.5.

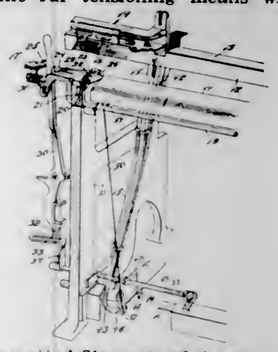
2,101,963
PANEL AND CARD CARRIER COMBINATION
Frederick L. G. Straubel, Green Bay, Wis.
Application March 31, 1937, Serial No. 134,132
19 Claims. (Cl. 129—16.7)



4. In combination, a panel to be placed in the filing space of a drawer, a card carrier having means at its upper end for yieldingly embracing the top edge of the panel to normally hold the panel and carrier assembled, and a card support detachably mounted on the lower portion of the carrier.

2,101,964
METHOD AND APPARATUS FOR RESTORING FUR IN A SHUTTLE TO ACTIVE POSITION
William A. Tebo, Anthony, R. I.
Application March 10, 1937, Serial No. 130,094
11 Claims. (Cl. 139—225)

1. The method of restoring a fur tensioning means in a shuttle to active position, which consists in forcibly passing a gas in a direction relative to the fur tensioning means whereby to



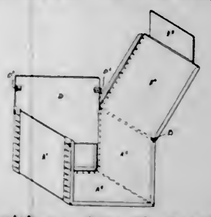
cause all matted filaments of the fur to be separated and lifted into natural active position.

2,101,965
METAL PANEL
Clyde C. Trees, White Plains, N. Y., assignor to Medallic Art Company, New York, N. Y., a corporation of Delaware
Application July 16, 1937, Serial No. 153,923
10 Claims. (Cl. 40—63)



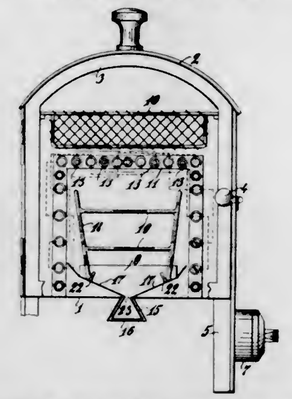
1. In a display panel, the combination of a back plate, spaced parallel side rails on said back plate having inwardly opening channels therein, a top rail abutting the side rails and closing one end of the channels, a tray slidably mounted in said channels, replaceable name plates slidably mounted on said tray and a lock bar detachably connected to the back plate by a pin and keyhole slot connection and engageable with the lower end of the side rails and the tray to retain the tray in the side rails.

2,101,966
MANUFACTURE OF BOXES
Alexander Gerard Anton van den Bogaert, Surbiton, England, assignor to No-Nail Cases Proprietary Limited, London, England, a limited liability company of Victoria, Australia
Application June 27, 1935, Serial No. 28,755
In Great Britain July 3, 1934
1 Claim. (Cl. 229—23)



A box comprising end members, a body member in a continuous sheet creased transversely so that it will readily fold into a bottom, two sides and a top, continuous metallic reenforcing strips each having a body portion provided with teeth and a flat border flange extending at right angles to the body portion of said strips and on the same side thereof as the teeth, said strips being fixed to the outer surface of the longitudinal edges of said body member with their flanges opposite and spaced from such edges, the teeth of said metal reenforcing strips extending through the longitudinal edge portions of said body member, the edges of said body member cooperating with the inner surface of said flanges of the metal reenforcing strips to form continuous channels to receive the respective end members, the said body member being slotted at each edge on the line where the top portion of the body member adjoins the remainder of the body member, and said end members being provided with inturned lugs adapted to engage behind the edges of the side portions of said body member when the said end members are inserted in said continuous channels.

2,101,967
ROASTING, TOASTING, GRILLING, AND COOKING APPARATUS
Alfred Walterspiel, Munich, Germany
Application October 13, 1934, Serial No. 748,249
In Germany December 13, 1933
14 Claims. (Cl. 219—35)



1. A cooking apparatus comprising a housing having restricted openings in the top and bottom thereof, heating means within said housing arranged in vertical parallel planes adjacent to the vertical walls of the housing, means supporting material to be heated within said planes, and heating means within said housing and arranged in a horizontal plane above said vertical heating means, the vertical and horizontal heating means forming an inverted U and the horizontal heating means being arranged below the top of the housing to allow the heat to gather below the top of the housing and the horizontal heating means, said inverted U-shaped heating means being adapted to include therein an article to be cooked and said horizontal portion thereof being adapted to heat articles placed above the same.

2,101,968
JAR
Harry P. Wickersham, Huntington Park, Calif., assignor of one-half to Erwin Burns, Los Angeles, Calif.
Application January 9, 1934, Serial No. 705,866
17 Claims. (Cl. 255—27)

1. A well tool for use in combination with a drill string including two sections related for

limited relative longitudinal movement and adapted to be secured to members of the string, a turnable sleeve movably carried by one section and receiving the other section for movement relative thereto, parts on the said other section and sleeve having faces adapted to releasably



cooperate and pitched to cause turning of the sleeve upon a tensile strain being applied to the sections, and a separate yielding means interposed between the sleeve and said other section tending to resist turning of the sleeve and disengagement of said parts.

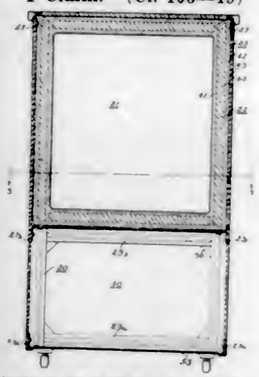
2,101,969

SILICATE INSULATING MATERIAL

Harry M. Williams, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application March 30, 1929, Serial No. 351,364

1 Claim. (Cl. 106—19)



An insulating material comprising a base of dehydrated soluble silicate.

2,101,970

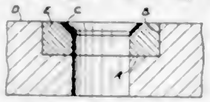
VALVE SEAT

William A. Wissler, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application July 26, 1933, Serial No. 682,181

3 Claims. (Cl. 123—188)

1. In combination with an aluminum or aluminum base alloy engine element having at least one valve port therein, said element having a relatively high coefficient of thermal expansion, a valve seat secured within said port, said valve seat comprising a metal ring secured to the inner periphery of said port, a surface metal layer on said metal ring of a wear and oxidation resistant metal having a relatively low coefficient



of thermal expansion, said metal ring being of a metal having a coefficient of thermal expansion intermediate between, and substantially different from, that of said aluminum or aluminum base alloy and that of said wear and oxidation resistant surface metal.

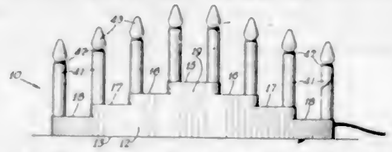
2,101,971

ELECTRICAL ILLUMINATING DEVICE

Abraham Wolf, Brooklyn, N. Y., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York

Application June 14, 1934, Serial No. 730,563

10 Claims. (Cl. 240—10)



2. A chandelier comprising an elongated base made of flexible, resilient sheet metal and being curved, and a member interconnecting the outer ends of said base for maintaining the same in curved position, and a plurality of candle simulating members mounted on said base, lamp sockets on said candle simulating members interconnected by wiring passing through said candle simulating members, in series circuit, said interconnecting member being extensible whereby the curvature of said base may be changed.

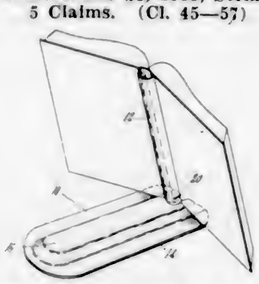
2,101,972

BOOK SUPPORTER

Leon Zocchi, Milford, Mass.

Application December 23, 1935, Serial No. 55,741

5 Claims. (Cl. 45—57)



1. A book stand comprising an elongated hollow base having a short slot near an end thereof, a substantially cylindrical rod freely slidable through said slot, said rod having an enlarged portion adjacent to its inner end adapted to cooperate with the sides of the slot to support the rod in an inclined position overhanging said base when the rod is pulled out of said base for cooperation with said portion.

2,101,973

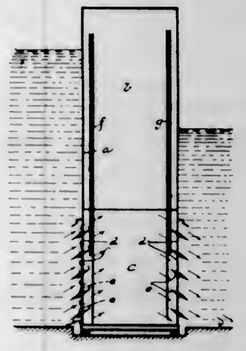
DOUBLE WALLED SLUICE GATE

Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Nuremberg, Germany, a corporation of Germany

Application January 27, 1936, Serial No. 60,979

In Germany February 11, 1935

2 Claims. (Cl. 61—22)



1. In a double walled sluice gate, in combination with the walls having apertures therein to permit water to flow through the enclosed inner space from one side of the gate to its other side, movable members provided in said apertures for closing the same, and means operatively associated with said members for moving them to various angular positions.

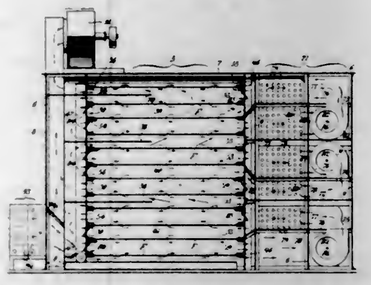
2,101,974

FABRIC TREATING MACHINE

Harold H. Belcher, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 13, 1931, Serial No. 550,443

8 Claims. (Cl. 34—48)



1. A machine for drying fabrics in lengths comprising an elongated housing affording a plurality of superposed contiguously intercommunicating drying zones; means for directing fabric in longitudinal horizontal runs through the several drying zones; and means coacting with the fabric runs to circulate and recirculate the air in transverse circuits back and forth across the several drying zones, with passes of the air oppositely in the top and bottom of each zone in contact with opposite sides of a run of fabric therein, and with reverse air flow in the circuits of adjacent zones, so that the flow in the intercommunicating contiguous passes of adjacent zones is in the same direction.

2,101,975

REFINING LEAD

Jesse O. Betterton and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 26, 1936, Serial No. 102,815

6 Claims. (Cl. 75—78)

1. The process for debismuthizing lead containing alkaline earth metals in amounts insufficient to effect any substantial reduction of the bismuth content of the lead but sufficient to permit the formation of a fixed compound or product of antimony, bismuth and alkaline earth metals which comprises slowly incorporating an amount of antimony equal to approximately six times the bismuth content of the lead into a bath of the lead within a minimum working temperature range, cooling the bath to freezing and separating the liquid metal and frozen crust thereby effecting substantially complete removal of bismuth from the lead.

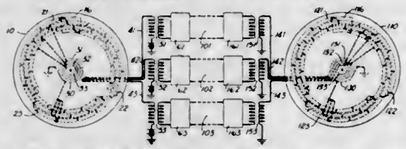
2,101,976

TELEVISION SYSTEM

Otto B. Blackwell, Plandome, N. Y., and Joseph Herman, Westfield, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application September 18, 1929, Serial No. 393,568

14 Claims. (Cl. 178—6)



1. The method of limiting the frequency range required for each channel in multi-channel electro-optical transmission which comprises concurrently and repeatedly scanning the entire area of the same field of view for the different channels, a scanning of a given elemental area for each channel taking place later than a scanning of that area for a different channel by a period approximately equal to each scanning period divided by the number of channels.

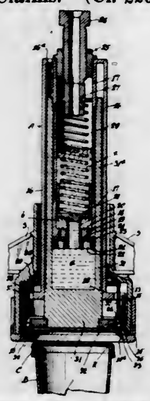
2,101,977

MACHINE FOR APPLYING CLOSURES

Samuel C. Bond, Holly Oak, Del.

Application June 29, 1935, Serial No. 29,018

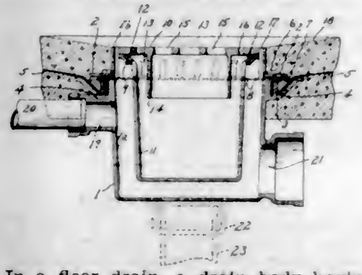
15 Claims. (Cl. 226—86)



3. In a machine for applying a closure to a

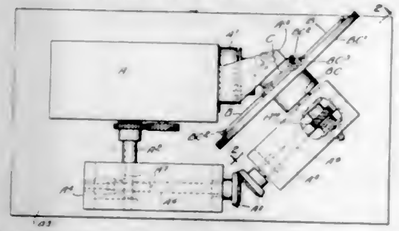
container, a support for the container, a contractile ring, means for contracting said ring to apply a substantially constant pressure to the closure, said means being operated by relative movement between the container and ring in one direction, said pressure being wholly released upon relative movement in the other direction.

2,101,978
FLOOR DRAIN
Edward W. N. Boosey, Detroit, Mich.
Application August 7, 1936, Serial No. 94,842
8 Claims. (Cl. 182—31)



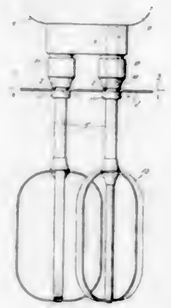
1. In a floor drain, a drain body having an open upper end and an outlet at the bottom, a grating supported at the upper end, a sediment intercepting trap comprising a basket supported centrally in relation to the grating and of less area than the grating, a skirt depending from the grating into the basket and having an open lower end, said basket having apertures in its wall above the lowermost point of the skirt and providing for a flow of material from the basket into the drain body, said grating having a series of apertures within the area defined by the skirt, and a series of apertures outside the area of the skirt providing for a flow of liquid through the grating into the drain body, the combined area of said last named apertures being less than the combined area of the apertures opening to within the skirt.

2,101,979
STEREOSCOPIC PHOTOGRAPHY
Norman H. Brock, Philadelphia, Pa.
Application February 6, 1933, Serial No. 655,360
Renewed May 8, 1937
5 Claims. (Cl. 88—16.6)



1. In making pictures of a scene for screen projection so that a screen observer may visually combine different pictures of said scene and thereby obtain a stereoscopic effect, the improvement which consists in reflecting images of said scene through a taking camera lens from parallel mirror planes separated by a distance of not more than two-tenths of an inch but large enough to produce a significant difference in the relative positions of the same scene points in the images reflected from the different planes onto successively exposed portions of a camera film and forming a projection film from said camera film by a photographic reproduction process which includes the step of modifying the scale of the images of the set reflected from one plane to minimize scale differences between the sets of images reflected by the different planes, and the step of shifting the images of one set laterally of the projection film relatively to the images of the other to thereby minimize the lateral displacement of different viewpoints of the same scene points.

2,101,980
GUARD ATTACHMENT FOR MIXING MACHINES
Lillian B. Brunner, Shaker Heights, Ohio
Application April 1, 1937, Serial No. 134,370
4 Claims. (Cl. 259—1)

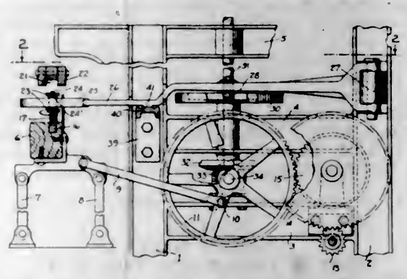


1. For use with a mixing machine incorporating a mixer spindle provided with a shoulder and a shank therebeyond, the machine including a socket member into which said shank is adapted to be releasably engaged; a guard attachment consisting of a solid flat plate devoid of protuberances and having an aperture whose diameter is slightly greater than that of the shank and through which the shank is adapted to be inserted thereby to dispose the guard attachment between the shoulder and the end of the socket member, the guard attachment being sustained in position by said shoulder and including a part arranged for cooperation with a part of the machine whereby the guard is held stationary when the spindle is rotating.

2,101,981
SHUTTLE DRIVING MECHANISM FOR LOOMS
William E. Burns, West York, and Eugene N. Miller, York, Pa., assignors to York Narrow Fabrics Co., York, Pa., a corporation of Pennsylvania
Application July 17, 1936, Serial No. 91,118
3 Claims. (Cl. 139—136)

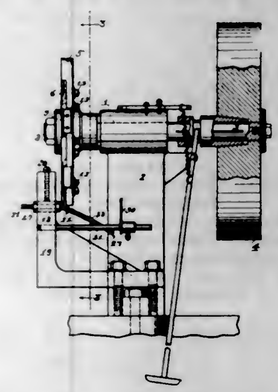
1. In combination, a swinging batten, a shuttle actuating member carried thereby and slidable therealong, a guide on end end of the batten, a slide slidable therein and connected to said shuttle actuating member, a lever pivoted to swing in a horizontal plane and operatively connected at one end to said slide to move said slide and member along the batten, said connection permitting oscillation of said slide with respect to said lever, a horizontal bearing for said lever intermediate its connection to said slide and

said cam, a cam for oscillating said lever, and



means for driving said batten and lever in timed relation.

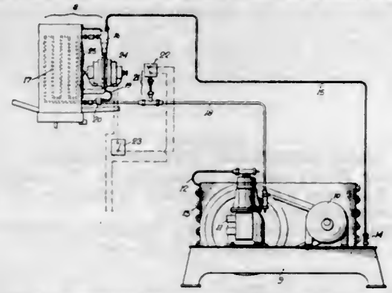
2,101,982
MACHINE AND METHOD FOR FORMING HELICAL SPRINGS
Raymond F. Carlberg, Grand Rapids, Mich.
Application February 11, 1937, Serial No. 125,206
13 Claims. (Cl. 140—103)



1. A machine of the class described for successively forming helical springs from longitudinally fed helical spring work, comprising: a guide for a portion of the longitudinally fed work; an element having a movement transverse the work; a member carried by said element for severing from said portion a free end portion of the work to constitute one of said helical springs; a member carried by said element for bending over an end part of one of said portions to constitute a mounting part of one of said helical springs.

2,101,983
FAN ECONOMIZER
William Carpender, New Brunswick, N. J., assignor, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware
Application August 8, 1934, Serial No. 738,950
8 Claims. (Cl. 62—4)

1. A method of conditioning the air in a refrigerator, consisting in supplying refrigeration effect to the air within the refrigerator, so that a desired air temperature will be maintained therein, actively circulating air in the refrigerator when the temperature of the refrigerant used is below a predetermined maximum and eliminating the active circulation of air when the temperature

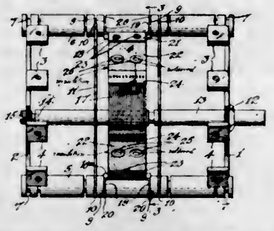


of said refrigerant exceeds the predetermined maximum.

2,101,984
TREATMENT OF CELLULOSE ESTERS TO RENDER SUITABLE FOR MOLDING
Frederick R. Conklin and Charles L. Fletcher, Kingsport, Tenn., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application July 3, 1936, Serial No. 88,834
6 Claims. (Cl. 260—102)

1. A process for preparing an organic acid ester of cellulose having a precipitation value of approximately 60–70% which comprises subjecting an organic acid ester of cellulose to the action of ¾–2% of sulfuric acid at 90–150° F. in its acetic acid solution in which the acetic acid is 1½–7 times the amount of the ester and then treating the product with a bath containing water in an amount 30–70% of the weight of the ester and an amount of sulfuric acid ⅛–2% of the weight of the ester until a precipitation value of 60–70% is reached.

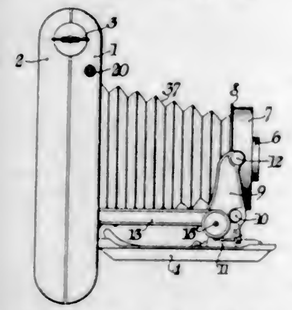
2,101,985
ELECTRICAL CONDENSER
Stanley S. Cramer, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J.
Application May 9, 1934, Serial No. 724,688
23 Claims. (Cl. 175—41.5)



1. An electrical condenser comprising at least one stator and rotor set of elements; a lightweight, high rigidity, non-warping frame for supporting said elements in close cooperative predetermined and non-drifting relationship, including rigid metal end bearing plates for supporting a shaft carrying the rotor plates, means for securely holding said bearing plates in nonwarping operative position including a plurality of metallic rods of a material and size as defined herein and disposed at least one on each side of the shaft, said rods at their extremities and the end plates having cooperative formations force-

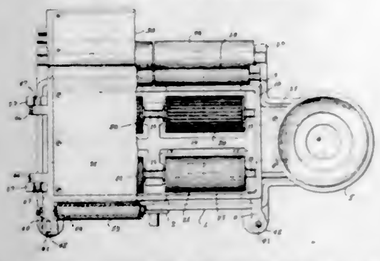
fitted together in gripping engagement across a portion of the rods reduced in diameter as well as on opposite sides of said end plates adjacent said reduced rod portions, which latter engagements comprise gripping surfaces of relatively large lateral area for the purposes described.

2,101,986
SELF-ERECTING FRONT CAMERA
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 1, 1937, Serial No. 134,371
7 Claims. (Cl. 95—40)



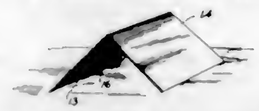
1. A folding camera of the self-erecting front type comprising, in combination, a camera body, a bed hingedly attached thereto, a lens board, arms supporting said lens board hingedly attached to the bed and lens board, braces pivotally attached to the camera body and arms for moving the camera parts to and from an erect picture taking position, a latching mechanism for retaining the camera parts in an erect or picture taking position comprising a latching member on the camera bed, latching elements on the lens board and lens board supporting arms adapted to be engaged by cooperating latching elements on said latching member moveably mounted on the camera bed and spring pressed toward an operative latching position.

2,101,987
PROCESS OF TREATING TEXTILE FABRIC FOR REINFORCING INSOLES
Elmer A. Ellis, Medford, Mass.
Application August 16, 1934, Serial No. 740,090
1 Claim. (Cl. 12—146)



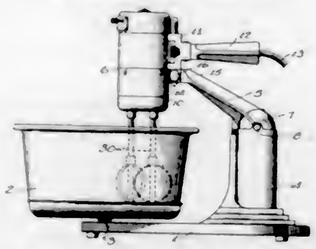
That improvement in the method of reinforcing insoles by applying fabric thereto, which consists in conducting a continuous strip of uncoated and unsized fabric thru successive treating and drying operations as an immediate step in applying the reinforcing to insoles, said treating and drying being in immediate sequence as a substantially simultaneous action at relatively high speed, said treating consisting of applying a liquid sizing and adhesive to one surface only of the fabric strip, and thereupon reversing the line of travel of the now-treated strip, and conducting the same with the untreated surface in contact with a heated plate, whereby the fabric is treated, partially dried, and rendered tacky for immediate use in reinforcing insoles.

2,101,988
INSECT BAIT
Harry M. Epstein, New York, N. Y.
Application January 25, 1936, Serial No. 60,813
3 Claims. (Cl. 43—131)



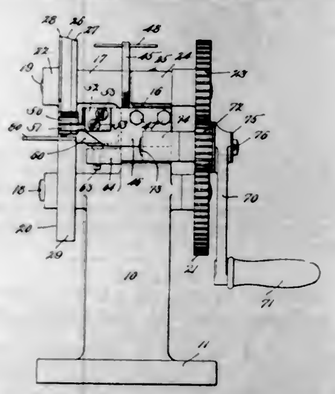
1. A bait for insects comprising a sheet of material, adapted to be placed over an insect-infested spot, pointed projections upon and over its entire lower surface facing the said spot, and an insecticide imbedded between the projections leaving the points of the projections exposed for the purpose of lacerating the tongues of animals attempting to lick up the insecticide.

2,101,989
MIXING APPARATUS AND JUICE EXTRACTOR
Spencer Ferbend, Chicago, Ill., assignor to Chronmaster Electric Corporation, Chicago, Ill., a corporation of Illinois
Application February 10, 1937, Serial No. 124,963
3 Claims. (Cl. 259—84)



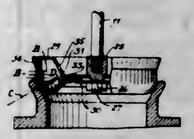
1. In a device of the class described, the combination of a casing, an electric motor and motor housing mounted in said casing, a shaft driven by said motor, a rotatable head fast on said shaft, a pair of spindles journaled on said head, both of said spindles being parallel with and equi-distant from said shaft and located at diametrically opposite points of said head, agitators fast on said spindles, planetary pinions fast on said spindles, a gear fast on the motor housing with which one of said pinions meshes, and an internal ring gear concentric with said first named gear fast on the motor housing and located in a plane laterally offset from the plane of said first named gear with which the other of said pinions meshes, whereby, as said head is rotated, said spindles are moved bodily in a common orbit and are rotatable in opposite directions on their own axes.

2,101,990
MACHINE FOR ATTACHING WELTS TO SOLES
Ernest E. Field, Brockton, Mass., assignor to Charles S. Walkup, Jr., Boston, Mass., as trustee
Application December 5, 1935, Serial No. 52,994
9 Claims. (Cl. 12—67.2)



1. In a machine of the character described, the combination of a pair of cooperating pressure rolls, one of said rolls being fixed and the other of said rolls being pivotally mounted axially for movement in relation to said fixed roll and having its face recessed to fit a welt, said recess being of less depth than the thickness of said welt, resilient means for forcing said movable roll toward said fixed roll for exerting pressure on the work and an adjustable stop for limiting the movement of said movable roll toward said fixed roll.

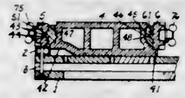
2,101,991
FLUSH TANK VALVE APPARATUS
Walter H. Finley and Charles H. Hamilton, Nashville, Tenn.
Application August 4, 1936, Serial No. 94,214
10 Claims. (Cl. 4—52)



1. A flush tank valve, comprising a pliable sealing member in the nature of a disc, adapted to engage a valve seat, and means supporting the pliable member in a manner to leave a free annular substantially unstretched portion between its outer margin and central region only and means to admit water on top of the free portion for the purpose of forcing the same toward the seat.

2,101,992
METHOD FOR MANUFACTURING COMPOSITE VITREOUS TILE AND CONCRETE STAVES
Percy C. Fish, Kalamazoo, Mich.
Application August 1, 1931, Serial No. 554,430
1 Claim. (Cl. 18—59)

The method of forming interfitting vitreous tile staves comprising forming a vitreous tile, firing it, molding a concrete tongue on one edge



and molding on the opposite edge a concrete groove adapted to receive a similar tongue.

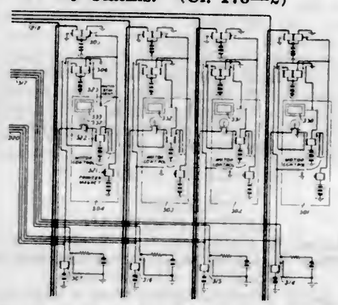
2,101,993
REFRIGERANT MIXTURE AND THE METHOD OF USING THE SAME
Joseph Fleischer, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
No Drawing. Application April 30, 1932, Serial No. 608,574
7 Claims. (Cl. 62—178)

4. The process of transferring heat which comprises condensing an azeotropic mixture of sulphur dioxide and another volatile liquid and evaporating the said mixture.

2,101,994
PREPARATION OF CELLULOSE ACETATE PROPIONATE BUTYRATE
Charles R. Fordyce, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application June 26, 1936, Serial No. 87,450
4 Claims. (Cl. 260—101)

1. A process for preparing cellulose acetate propionate butyrate having a greatly predominating content of butyryl groups which comprises presoaking cellulose with a mixture of acetic and propionic acids containing 25–90% propionic acid followed by esterification of the cellulose induced by the addition of a mixture essentially consisting of butyric anhydride and an acylation catalyst thereto.

2,101,995
TELEGRAPH SWITCHING SYSTEM
Leland Adams Gardner, Maplewood, N. J., and Fred John Singer, Rockville Centre, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 14, 1936, Serial No. 68,928
9 Claims. (Cl. 178—2)



1. In a signal transmission switching system, the combination of a plurality of sending stations, means at said sending station for transmitting outgoing signals and recording incoming signals, a plurality of receiving stations, a signal printer at each receiving station, a plurality of transmit-

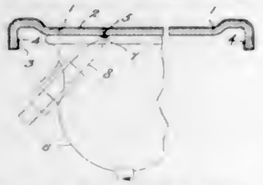
ting printers common to said receiving stations, a device individual to each of said sending stations for selecting any one of said signal printers, a normally deenergized circuit extending from each of said sending stations to each of said devices, an electrical contacting device at each sending station operable for energizing one of said circuits and causing the associated selecting device to select an idle signal printer at one of said receiving stations, indicating means individual to each of said signal printers and visible to the operators of all transmitting printers for informing the operators that a sending station has been connected to an idle signal printer and that certain information is requested by the operator at the sending station whereat the call is initiated, a plurality of means associated with each of said transmitting printers for respectively connecting the transmitting printer to any one of said circuits, and means in each of said transmitting printers for transmitting the desired information over the operated circuit to the operator at the calling sending station.

2,101,996

MANUFACTURE OF TABLE TOPS AND OTHER ARTICLES OF FURNITURE OR EQUIPMENT

Vivian Gerstenberg, Birmingham, England, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application November 5, 1935, Serial No. 48,267
In Great Britain November 12, 1934
8 Claims. (Cl. 29—148)



1. The method of producing articles of manufacture including table tops constituted of a thin metal sheet and a rigid, non-porous base plate which comprises superimposing a thin metal sheet upon a rigid, non-porous metal base plate provided with an exhausting port, sealing said metal sheet and plate solely in the neighborhood of the peripheral region thereof, exhausting the air in the space between the underside of the metal sheet and the upperside of the base plate whereby the metal sheet is forced into permanent intimate mechanical engagement with said base plate throughout practically the entire surface without the occurrence of open spaces by the pressure of the atmosphere without welding of the surface of said metal sheet to the surface of said base plate, and sealing said exhausting port.

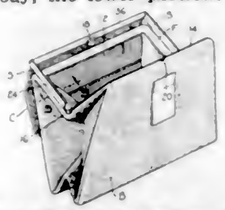
2,101,997

LADY'S HANDBAG

James E. Goldberg, New York, N. Y.

Application October 24, 1935, Serial No. 46,482
7 Claims. (Cl. 150—29)

7. A lady's handbag comprising a stiff metallic frame including two inverted U-shaped members hingedly connected at the lower ends thereof, said frame being channel-shaped in section with the open edge of the channel directed outwardly, a handbag body the edges of which are secured in the frame channel, a pocket formed on one of the outer sides of the handbag body, a flap for closing said pocket, and a pair of supports for the flap secured to one of said frame members and projecting upwardly therefrom above the top of the handbag body, the lower portions of said supports being L-shaped in section with one side secured in the channel of the frame, and the other side lying outside of the frame and covering the space between the frame members, said latter sides projecting upwardly to form supports for the flap.



2,101,998

PURIFICATION OF LACTIC ACID

Ivan L. Haag, Lakewood, and Charles A. Vana, Cleveland, Ohio, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. **Application March 11, 1935, Serial No. 10,458**
2 Claims. (Cl. 260—122)

1. In a process of purifying lactic acid containing organic impurities which cause the formation of a brown ring, according to the U. S. Pharmacopoeia test for easily carbonizable matter, the step of adding to said acid a small amount of nitric acid, heating said mixture, adding to said heated acid a small amount of an activated carbon, and heating said mixture whereby the nitric acid remaining in the lactic acid is reduced to nitrogen oxides which are evolved.

2,101,999

MATERIAL FOR USE IN PREVENTING OFFSET IN PRINTING

Reinhard A. Habermaier, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio

No Drawing. **Application March 7, 1935, Serial No. 9,832**
1 Claim. (Cl. 134—1)

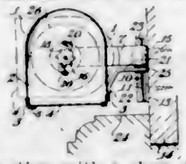
A composition of matter for preventing offset in printing consisting of substantially fifteen parts of gum arabic, forty-five parts water, forty parts denatured alcohol and one part gum tragacanth.

2,102,000

MEANS FOR RECEIVING DELIVERED COMMODITIES AND PREVENTING THEFT THEREOF

George Francis Richard Haynes, London, England, assignor of one-half to Arthur Sutcliffe, London, England

Application July 23, 1936, Serial No. 92,186
In Great Britain November 20, 1935
4 Claims. (Cl. 232—42)



1. In combination with a door element and a jamb element, a base member fastened to one

of said elements, a carrier having a detachable mounting on said base member such that it may be detached therefrom when the door is open and cannot be detached therefrom when the door is closed, a goods receiver mounted on said carrier member for rotation relative thereto in a single direction to two operative positions in one of which goods may be inserted therein and removed therefrom and in the other of which the insertion or removal of goods into or from the same is prevented by one of said elements, said goods receiver being movable from its first to its second mentioned position when the door is closed, means preventing reverse movement of said receiver, a releasable stop on said carrier to limit rotation of said receiver beyond its second mentioned position when the receiver is operatively mounted on said base member, and means mounting said stop so that it is releasable to permit rotation of the receiver from its second to its first mentioned position only when the carrier is detached from said base member.

2,102,001

MANUFACTURE OF DRY-SEALING ENVELOPES

Vincent E. Heywood, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application July 16, 1934, Serial No. 735,326
22 Claims. (Cl. 93—61)



1. The improvement in the manufacture of envelopes, which consists in providing a blank having separate areas thereof coated with dry-sealing adhesive, next folding the blank to bring one of said adhesive coated areas into engagement with an uncoated area and then folding the remainder of the blank to bring the other adhesive coated area into overlying relation with the first area with its adhesive uppermost in the completed envelope.

9. The improvement in the manufacture of envelopes, which consists in advancing a continuous web of envelope material, applying patches of reinforcing material at intervals to the web, applying continuous bands of dry-sealing adhesive to opposite sides of the web, dividing said web into blanks, and then folding each blank into a completed envelope wiph a patch inside and with the dry-sealing adhesive bands in overlying relation, but facing oppositely.

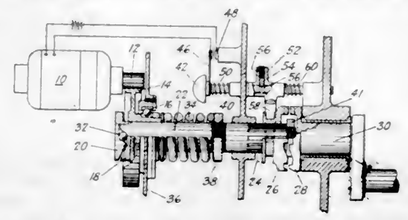
2,102,002

OVERLOAD RELEASE DEVICE

Frank Leroy Hill, Garden City, N. Y.

Application January 22, 1937, Serial No. 121,729
6 Claims. (Cl. 74—6)

1. An overload release device adapted to be introduced between a driving and a driven shaft comprising, in combination, a two-part clutch, an axially movable shaft upon which one clutch part is mounted and with respect to which it is axially movable, a cam and cam follower normally held together by spring pressure, and means mounted on said shaft and contactable with the axially movable clutch part to axially move and hence disengage it from the other said clutch part, said shaft being urged to axial movement of said contacting cam surfaces and against the action of said spring pressure should the torque load on the driven shaft exceed a predetermined value.

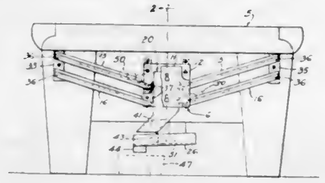


2,102,003

MULTIPLE RACK FOR POOL BALLS

Charles I. Holmes, Chino, Calif., assignor of one-half to Gilbert E. Pine, Chino, Calif.

Application September 19, 1936, Serial No. 101,636
2 Claims. (Cl. 273—10)



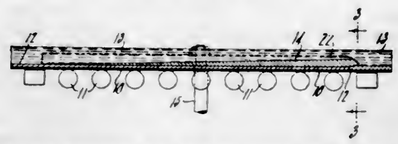
2. In a device of the kind described, a ball delivery device comprising a plurality of ball supports and a multiple gate operable with upward and downward movements simultaneously to release balls from a plurality of said supports, said gate having a downwardly directed ball delivery guide, and a ball container having an inclined bottom with a ball discharge opening through which balls are directed by said guide and towards which said balls roll along said inclined bottom, said guide operating also as a release means to deliver balls from said container through its said discharge opening, a portion of said guide intercepting the balls in said container when said gate is down.

2,102,004

PROCESS OF AND APPARATUS FOR THE MANUFACTURE OF PAPER AND THE LIKE

Edward Hutchins, Glens Falls, N. Y., assignor to International Paper Company, a corporation of New York

Application February 19, 1935, Serial No. 7,163
4 Claims. (Cl. 92—38)



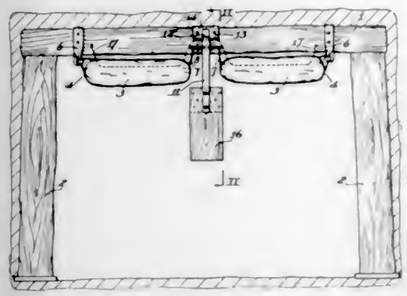
1. In a process for the manufacture of paper wherein a fibrous stock is deposited on a web forming device and subjected to drainage whereby gradually to build up a fibrous web of suitable

thickness, the steps of smoothing over that layer of fibres which is initially formed into a web as water is withdrawn from the pulp suspension, and simultaneously agitating the remainder of said stock in a direction transverse to the movement of said formed web and thereafter forming said stock with said formed web into a unitary web of fibrous material.

2,102,005
GEL FORMATION
Grinnell Jones, Cambridge, Mass., and Irving B. Rymph, La Grangeville, N. Y., assignors to S. Sternau & Co., Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 25, 1931, Serial No. 553,232. Renewed October 26, 1937
15 Claims. (Cl. 44—7)

1. A process of forming solidified fuel which comprises dissolving a nitrocellulose in an alcoholic solvent, and solidifying the sol so formed by subjecting it to an atmosphere containing a non-solvent in a vapor state, while retaining substantially all of said alcoholic solvent in the solidified fuel.

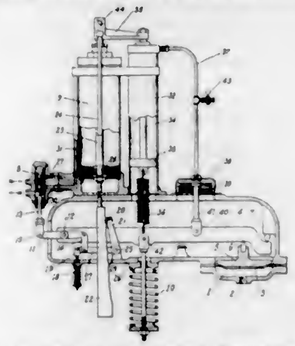
2,102,006
ROCK DUST BARRIER
John E. Jones, Benton, Ill.
Application March 23, 1937, Serial No. 132,546
19 Claims. (Cl. 169—2)



1. A rock dust barrier comprising a bag member containing rock dust and disposed above a mine passage, a bag-opening member associated with the bag member, and means adapted to be actuated by the force of an explosion in said passage for releasing one of said members to effect relative movement of said members away from each other whereby the bag member is opened by said opening member and its contents discharged.

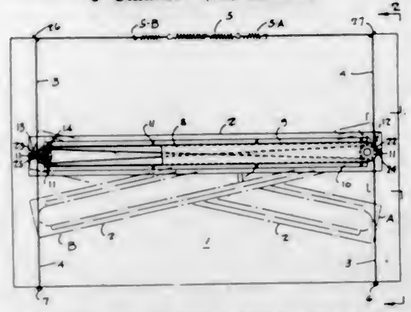
2,102,007
REGULATOR
James L. Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application January 8, 1936, Serial No. 58,094
10 Claims. (Cl. 121—41)

1. In a regulator for the control of a condition, comprising a motor, a control element adapted to control a source of power for operating said motor, a device responsive to variations in said condition, a beam connecting said device with said control element, means associated with said motor and said beam effective upon the motor commencing to act for applying two resilient forces to said beam but in opposite directions, and



means to terminate one of the forces only upon the motor coming to rest.

2,102,008
PARALLEL STRAIGHTEDGE
Leo H. Klitsche, Los Angeles, Calif., assignor to The A. Lietz Company, San Francisco, Calif., a corporation of California
Application March 30, 1936, Serial No. 71,676
6 Claims. (Cl. 33—80)

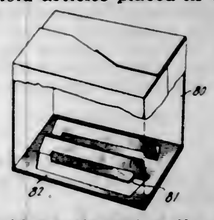


6. In combination with a straight edge adapted to be used with a drawing board, means for maintaining the straight edge in parallel adjusted position as it traverses the board, including a pair of pulley structures respectively supported adjacent opposite ends of the member, a flexible guiding element fixed at its ends and passing around the pulley structures so as to guide the straight edge in parallel adjusted position without change in length, and means to permit variations in length of said element, whereby the inclination of the adjusted position of the straight edge may be altered.

2,102,009
CARTON AND BLANK FOR FORMING THE SAME
Henry Kondolf, New York, N. Y., assignor to Southern Kraft Corporation, a corporation of Delaware
Application July 9, 1934, Serial No. 734,287
2 Claims. (Cl. 229—23)

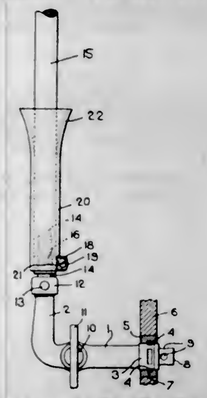
1. An insert member for cartons and the like comprising a substantially flat body, a pair of arched article separating panels cut from said body and hinged thereto at their ends, each of said panels when bent into operative position leaving a ledge in said body adjacent said panel

whereby to hold articles placed in the partitions



formed by said panels and walls of the carton against tilting.

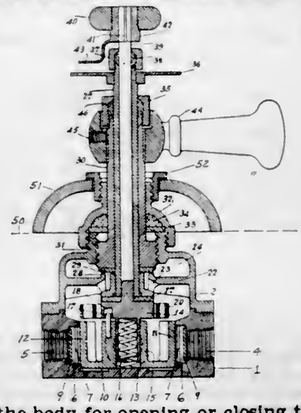
2,102,010
PROTECTIVE DEVICE FOR FLEXIBLE CONDUITS
George J. Kopp, Allston, Mass.
Application January 2, 1936, Serial No. 57,144
2 Claims. (Cl. 138—61)



1. A protector for a highly flexible rubber beer hose, having one end telescopically connected to the end of a rigid fitting, comprising a seamless tubular sleeve of elastic rubber composition of much greater rigidity than said hose closely fitting, frictionally engaging and adhering to the telescoping end portion of the hose and a substantial portion thereof beyond the coupling thereby reenforcing the coupled end portion of the hose, then flaring outwardly to present a bell-mouthed end operable to prevent abrupt bending or kinking of the hose while permitting the hose to flex in a curve which will not be injurious to the material of the hose.

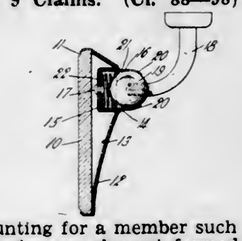
2,102,011
THERMOSTATICALLY CONTROLLED MIXING VALVE
Karl D. Kysor, Northville, Mich., assignor of one-tenth to Charles E. Wisner, Detroit, Mich.
Application January 2, 1935, Serial No. 119
10 Claims. (Cl. 236—12)

5. A valve of the character described, a body having an inlet chamber arranged for inflow of fluids of different temperatures, an outlet chamber, a wall separating the chambers and having a series of apertures and a passageway to which the apertures open providing for a flow of fluid from the inlet to the outlet chamber, said apertures being inclined in respect to the axis of the chamber whereby the fluid is passed into the passageway in angularly disposed streams whereby the fluid from the several inlets is thoroughly mixed, the outlet chamber having an aperture to which the fluids flow subsequent to mixture in the chamber, a valve means operable from the ex-



terior of the body for opening or closing the said passageway in the separating wall, and a thermostatically controlled valve for the inlets operable through expansion or contraction to vary the volume of inflow of the respective fluids.

2,102,012
SUPPORT
William La Hodny, Buffalo, N. Y.
Application January 4, 1935, Serial No. 403
9 Claims. (Cl. 88—98)

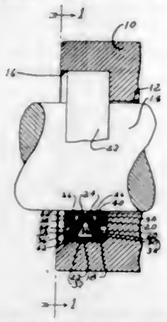


2. A mounting for a member such as a mirror which comprises an element formed for attachment against a face of said member to support it, a one-piece cup having an imperforate bottom wall, open at one end and by its bottom closed end secured to said element, so as to open in a direction away from said member, a stud extending into said cup through the open end thereof and terminating in a ball-like head, the portion of said cup around its open end being bent over said head to retain it within said cup, and resilient means confined in said cup between said head and the bottom of the cup and by its pressure on the head frictionally holding it in different angular positions into which it and said stud may be adjusted.

2,102,013
SEAL
Simpson C. Leonard, Jr., Detroit, Mich., assignor to Michigan Leather Packing Company, Detroit, Mich., a corporation of Michigan
Application April 19, 1935, Serial No. 17,195
2 Claims. (Cl. 288—1)

1. As an article of manufacture a self-contained seal for application as an assembled unit

to a housing in encompassing relation to a centrally located shaft, consisting of a centrally apertured sheet metal cup which is provided with an annular peripheral portion and substantially Z-shaped end walls, a pair of leather packings



arranged within said cup each having an axially extending flange and a radially extending flange, said packings being arranged back to back with the axially extending flanges extending in opposite directions, and a triangular spacing member arranged between said radially extending flanges.

2,102,014

APPAREL AND PARTS THEREOF

Jay H. Lind, Brooklyn, N. Y.

Application May 25, 1936, Serial No. 82,068

3 Claims. (Cl. 2—132)



1. A shirt collar comprising an outer layer, an inner layer, and an intermediate layer, said intermediate layer comprising a woven fabric having substantially horizontal and vertical intersecting rust-resisting metallic threads, and nonmetallic threads intermediate the metallic threads.

2,102,015

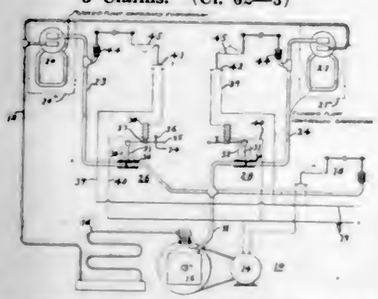
REFRIGERATING APPARATUS

David E. Maccabee, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application September 1, 1928, Serial No. 303,598

Renewed March 22, 1933

5 Claims. (Cl. 62—3)



1. A refrigerating apparatus comprising in combination an evaporator, means for withdrawing gaseous refrigerant from the evaporator, a valve for controlling the outlet of the evaporator, means including a magnetic device for positively opening and positively closing the valve and means responsive to the pressure within the evaporator for energizing the magnetic device.

2,102,016

METHOD OF SEPARATING AN ORGANIC ACID ESTER OF CELLULOSE FROM ITS REACTION MIXTURE

Carl J. Malm and Charles R. Fordyce, Rochester, N. Y., assignors, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

No Drawing. Application February 13, 1935, Serial No. 6,412

12 Claims. (Cl. 260—102)

1. The method of separating an organic acid ester of cellulose from its solution in an organic solvent which comprises pouring the solution into an excess of a precipitating liquid comprising a lower aliphatic tertiary alcohol having the formula R_3COH, R representing alkyl groups.

2,102,017

FERRULE FOR CIGARETTE HOLDERS

Gerould R. McWane, Sandusky, Ohio, assignor to American Sweetwood Holder Co., Ridgewood, N. J.

Application November 7, 1935, Serial No. 48,618

1 Claim. (Cl. 16—108)



A metallic ferrule comprising a cylindrical portion open at both ends and a plurality of planar extensions unitary with the cylindrical portion and extending from one of its circular edges toward the center, said ferrule being adapted to be pushed on the end of a tubular piece so that said extensions engage the circular edge of the tubular piece and adapted to have a mouthpiece inserted into the tubular piece, thereby to bring said extensions into engagement with the inside of the tubular piece.

2,102,018

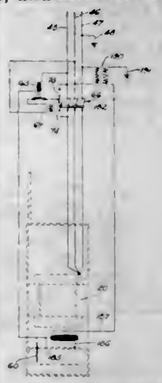
CONTROL SYSTEM FOR SUBMERSIBLE MOTORS AND THE LIKE

Earl Mendenhall, Los Angeles, and Junius B. Van Horn, Alhambra, Calif., assignors, by mesne assignments, to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware

Application August 28, 1934, Serial No. 741,796

9 Claims. (Cl. 172—36)

1. In combination: a shell containing a dielectric liquid and having access to a conducting liquid tending to contaminate said dielectric liquid; circuit means extending from said shell; relay means in said dielectric liquid responsive to the amount of said conducting liquid associated therewith and electrically connected to said circuit means to change the current flowing through said circuit means in response to the amount of said conducting liquid contaminating said dielectric liquid, said relay means including means having an affinity for said conducting liquid; means for heating said relay means for driving from said means having an affinity for said conducting liquid at least a part of the conducting liquid associated therewith; and means exterior of said shell



and operatively connected to said circuit means to be responsive to current flowing through said circuit means.

2,102,019

CARBURIZING BOX

Angus M. Miller, Pleasant Ridge, Mich.

Application September 11, 1936, Serial No. 100,330

7 Claims. (Cl. 263—49)



1. In a carburizing box, a pair of one-piece relatively telescoped spaced sheet metal wall elements each bent to substantially closed rectangular form, said box comprising said sheet metal elements and corner elements, said corner elements loosely embracing the top and bottom edge portions of suitably bended corner portions of said wall elements.

2,102,020

MANUFACTURE OF WARP BEAMS

Frank Mossberg, Attlebore, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts

Original application August 29, 1933, Serial No. 687,291. Patent No. 2,027,749 dated January 14, 1936. Divided and this application June 13, 1934, Serial No. 730,440

8 Claims. (Cl. 29—170)



1. The method of forming a hollow, tubular warp beam, which consists in providing two sheet stock parts, forming a channel recess in one part extending longitudinally thereof adapted to receive a warp fastening rod and forming the other part to complete the circumference of a circle and then welding said two parts together with their edge portions in a contiguous relation.

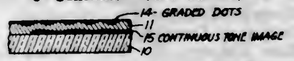
2,102,021

PHOTOGRAPHIC HALF-TONE SCREEN MATERIAL AND PROCESS

Alexander Murray, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application May 21, 1935, Serial No. 22,577

9 Claims. (Cl. 95—5)



6. A photographic element comprising a support, an emulsion layer on said support, a developed and fixed half-tone screen image of a uniform light source in one stratum of the emulsion layer, and a developed and fixed continuous tone image of a subject in a separate stratum of the emulsion layer.

2,102,022

COLOR CORRECTED PHOTOMECHANICAL PRINTING PLATE

Alexander Murray, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Application July 6, 1935, Serial No. 30,091

6 Claims. (Cl. 95—5.1)



5. The method of making a set of color-corrected plates for photomechanical printing, which comprises forming blue, green, and red color separation negatives of an original in silver halide emulsions, printing positives of the color separation negatives representing colors requiring correction in sensitive silver halide emulsions, and before developing, desensitizing said positives and then exposing them separately to red light under a color filter negative representing another color, then developing and fixing the corrected color separation positives, and printing a positive directly from the remaining color filter negative.

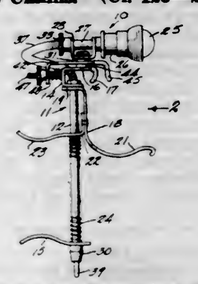
2,102,023

SURGICAL LAMP

Austin A. Overbury, West Orange, N. J.

Application December 10, 1934, Serial No. 756,756

6 Claims. (Cl. 128—23)



1. In a device for illumining the oral cavity of a person, a supporting frame structure including vertically disposed members having a supporting bracket at the upper end thereof, a source of light carried by said bracket, a horizontally slidable clamp member cooperating with said bracket to provide a clamping structure for engaging a portion of the interior of the oral

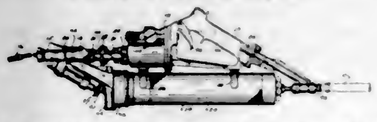
cavity of the person, and a vertically movable clamp member slidably mounted on said vertically disposed members which is adapted to engage the outer lower jaw portion of the person.

2,102,024
SAFETY FUSE
David E. Pearsall, Pittsburgh, Pa., assignor to The Ensign-Bickford Co., Simsbury, Conn., a corporation of Connecticut
Application October 16, 1936, Serial No. 105,857
8 Claims. (Cl. 102—8)



1. A fuse for igniting explosives, fireworks and the like, comprising a powder train directly encased in fused mineral matter.

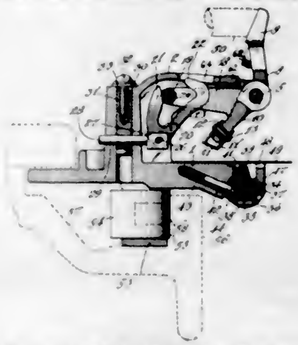
2,102,025
GREASE GUN
James J. Pelouch, Cleveland, Ohio, assignor to The United States Air Compressor Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1935, Serial No. 7,670
8 Claims. (Cl. 221—47.3)



1. A grease gun, comprising in combination, a container, discharge conduit means attached thereto and leading to the ultimate point of discharge from the gun, means for conducting air under pressure to the container so as to expel lubricant therefrom at a predetermined pressure, a power-unit detachably connected to the container, an air-operated booster pump carried in its entirety in the power unit, a valve carried by the container adjacent the point of connection between the container and power unit, means for normally holding the valve closed when the power unit is disassociated from the container, and means for opening said valve automatically whenever the unit is connected to the container.

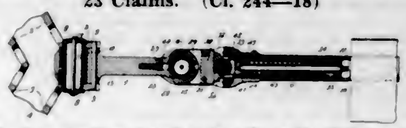
2,102,026
TENTER CLIP
John E. Peterson, Irvington, N. J.
Application August 3, 1936, Serial No. 94,024
14 Claims. (Cl. 26—62)

1. A tenter clip including a base having an overhanging arm, a movable member carried by said arm and extending downwardly toward said base, a jaw oscillatably carried by said movable member, said oscillatable jaw comprising a member, a transverse section of which along its length is substantially U-shaped, the arms of the U being positioned around the end of said carrying member and pivotally mounted thereto at the center of said jaw and also having slightly loose-end anchorages connecting said jaw member to said movable carrying member, a jaw tiltably carried by said base below the first-mentioned jaw and having a relatively sharp gripping edge



adapted to cooperate with the first-mentioned jaw to grip a piece of goods positioned between said jaws, said lower jaw being readily removable from the base and a controller carried by the base for controlling the time at which the cloth is gripped by said jaws, said controller having two spaced arms carried on a common pivotal mounting, said mounting being slidably adjustable directly on said base.

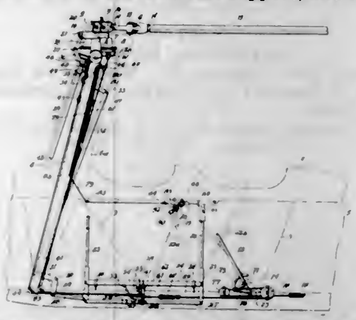
2,102,027
AIRCRAFT ROTOR BLADE MOUNTING MECHANISM
Richard H. Prewitt, Lansdowne, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application January 30, 1936, Serial No. 61,539
23 Claims. (Cl. 244—18)



4. A mounting mechanism for attaching a rotative aircraft sustaining blade to a hub, including an articulation providing for pivotal movement of the blade to either side of a mid or intermediate position, and a self-centering means controlling blade movements, said means being substantially non-rebounding under normal flight conditions.

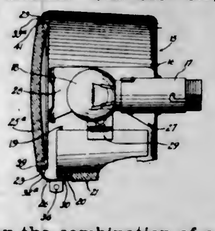
2,102,028
AIRCRAFT WITH SUSTAINING ROTOR
Richard H. Prewitt, Lansdowne, Pa.
Application March 11, 1936, Serial No. 68,178
9 Claims. (Cl. 244—18)

1. In an aircraft having a sustaining rotor, a pylon structure for supporting the rotor, a hub support pivotally mounted on the pylon, a non-rotative hub part pivotally mounted on said support, the axes of the two pivotal mountings being angled with respect to each other so as to provide for tilting of the hub in all directions, and mechanism for controlling tilting of the hub including a lever pivoted intermediate its ends on the pylon adjacent the mounting of the hub thereon, a short push-pull member interconnecting one end of said lever and said non-rotative hub part, a second lever pivoted intermediate its ends on the pylon adjacent the mounting of the hub thereon, a second short push-pull member interconnecting one end of the second lever and said hub support, and means



for actuating the other ends of both of said levers including for at least one of said levers a flexible cable connected therewith and extended downwardly for operation by an operator in the body of the craft, whereby a major portion of the load imposed in the push-pull member is carried in the pylon, thereby relieving the control means of a major portion of said load.

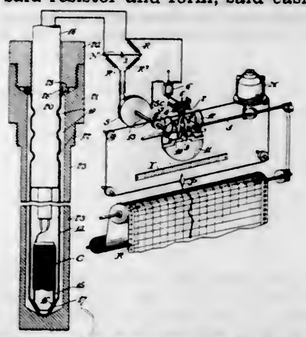
2,102,029
LAMP
Benjamin Putterman, Brooklyn, N. Y., assignor to Yankee Metal Products Corp., Norwalk, Conn., a corporation of New York
Application February 21, 1936, Serial No. 65,012
5 Claims. (Cl. 240—8.3)



3. In a lamp the combination of a casing having a main light opening and a split opening extending therefrom to enable expanding said main opening beyond its normal condition; an inturned flange on said casing defining said main opening; a lens having a pair of peripheral flanges of greater diameter than said main opening in its normal condition, providing a concave edge on said lens insertable in said main opening when expanded beyond its normal condition; and means on said casing for positively drawing said casing flange to grip said concave edge and thereby lock the casing flange between said pair of lens flanges.

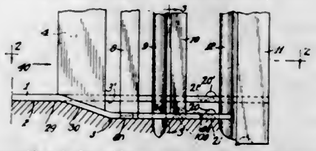
2,102,030
ELECTRICAL MEASURING SYSTEM
John F. Quereau, Barren Hill, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 11, 1935, Serial No. 26,065
4 Claims. (Cl. 73—32)

1. A resistance thermometer comprising a metal form having small heat-storage capacity, a resistor having a substantial resistance-temperature coefficient disposed for exchange of heat by conduction with said form, and a casing enclosing said resistor and form, said casing being



joined solely at its sensitive end to said form by solder, said casing being of metal close to solder in the electromotive series.

2,102,031
METHOD AND APPARATUS FOR THE PRODUCTION OF FASTENER ELEMENTS
Bruno Reiter, London, England, assignor to Ingenium Aktiengesellschaft, Chur, Switzerland
Application June 22, 1934, Serial No. 731,878
In Germany June 23, 1933
12 Claims. (Cl. 153—1)



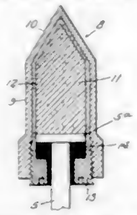
1. A method for the production of metal elements for sliding clasp fasteners, which consists in advancing a metal strip of a width equal substantially to the sum of the widths of several finished elements, the longitudinal edges of which are in contact with each other along their entire length, slitting the leading end of the strip to form several branch strips each of which has substantially the width of a finished element, displacing the branch strips to disengage their lateral edges from each other, preforming the elements and their limbs in each of said branch strips, spreading the limbs of the elements apart at the ends of the branch strips, and severing the elements successively from the branch strips.

7. In an apparatus for the production of metal elements for sliding clasp fasteners, the combination of means for intermittently advancing a metal strip, means for slitting the leading end of the strip into several branch strips, means for relatively displacing the branch strips and disengaging their lateral edges from each other, means adapted to preform the elements and their limbs in each of said branch strips, spreaders adapted to open the limbs of the elements at the ends of the branch strips, and means adapted to sever the elements successively from the branch strips.

2,102,032
SOLDERING IRON
William R. Richardson, Roswell, N. Mex.
Application January 13, 1936, Serial No. 58,959
Renewed October 7, 1937
2 Claims. (Cl. 219—26)

1. An electric soldering iron comprising a rod of conductive material having an electrical connec-

tion with a source of current, a handle on one end of said rod, said rod being provided with a lateral head on the end thereof remote from said handle, a shell receiving the head equipped end of said rod, a solid carbon core arranged in the shell and



having an end bearing against said head, ground carbon arranged within said shell about said solid carbon core, and an apertured plug disposed about said rod and threaded into one end of said shell for closing the latter and for securing the shell on the head equipped end of said rod.

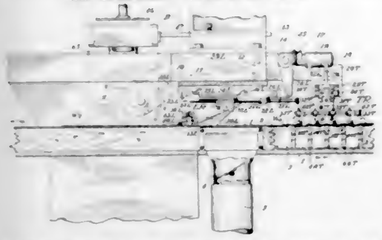
2,102,033

METHOD OF AND APPARATUS FOR TRANSPORTING AND REGISTERING SHEETS

Ernest G. Rider, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 11, 1936, Serial No. 100,252

33 Claims. (Cl. 271—48)



1. In a system for transporting sheets, as box wrappers, labels, or the like, the method which comprises pushing the rear edge of a sheet to effect movement of the sheet in a predetermined direction, and stiffening the sheet for movement as a whole by temporarily deforming the sheet to form one or more ridges extending substantially in line with said direction of movement.

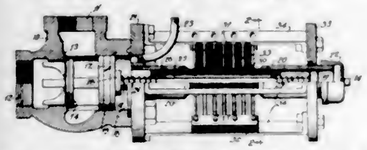
2,102,034

VALVE

Louis H. Roller, Plainfield, N. J.

Application April 16, 1934, Serial No. 720,695

4 Claims. (Cl. 172—240)



1. A device of the character described comprising a casing, a member reciprocable therein, a stem on said member, an armature mounted to slide on the stem, stops limiting motion of the armature relative to the stem, means adapted to maintain the armature normally in a position intermediate between the stops, stator coils surrounding the armature, means for establishing a traveling field in the stator coils to move the armature, and a reversing switch operable independently of the movement of the armature for controlling the direction of travel of said field.

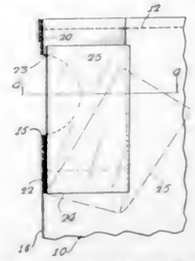
2,102,035

SELF CLOSING BAG

Charles Rose, Chicago, Ill., assignor to Central Bag & Burlap Co., Chicago, Ill., a corporation of Illinois

Application August 10, 1936, Serial No. 95,137

7 Claims. (Cl. 229—62.5)



1. In combination, a bag having a filling aperture, and a valve normally closing said aperture, said valve having a leaf with an aperture registering with that of said bag and a folded back leaf normally sealing said apertures, said last mentioned leaf having its end free opposite the fold.

2,102,036

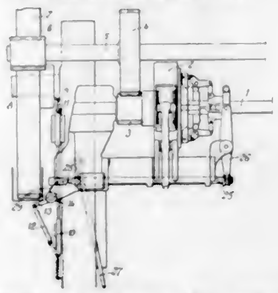
CLUTCH CONTROL DEVICE

Leon Salves, Billancourt, France, assignor to Louis Renault, Billancourt, France

Application May 7, 1936, Serial No. 78,476

In France January 31, 1936

2 Claims. (Cl. 192—85)



1. A device for the automatic uncoupling of a mechanically-operated press at the upper dead centre of its crankshaft, comprising a cam mounted on said crankshaft, a clutch, a shaft controlling said clutch, a movable device actuated by said cam and including a member resiliently mounted for reciprocable movement and a link connected thereto, a coupling adapted to connect the said movable device to the said shaft controlling the clutch including a toothed arm loose on the shaft and connected to the link and a toothed jaw element slidably and non-rotatably mounted on the shaft, and actuating means adapted to act upon the sliding jaw element of the said coupling and to release the connection which it effects, and to place the said clutch in engagement at the same time.

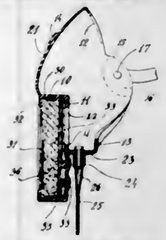
2,102,037

FILTER TYPE RESPIRATOR

Nathan Schwartz, New York, N. Y.

Application April 21, 1936, Serial No. 75,579

4 Claims. (Cl. 128—146)



2. In a filter type respirator adapted to enclose the nose and mouth of the wearer having a filter unit provided and the said filter unit having means provided for removably securing a filter construction consisting of foraminous metals which enclose filter material and the said metals and material are attached one to another and the said filter construction is abutting at its rear side with the rear wall of the filter unit and the said rear wall has button elevations which elevations define air grooves and part of the said rear wall is provided with an opening for connection with the face piece of the respirator.

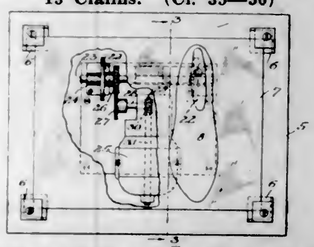
2,102,038

METHOD OF AND APPARATUS FOR DISPLAYING SHOE LASTS AND THE LIKE

R. Plato Schwartz, Rochester, N. Y.

Application July 1, 1935, Serial No. 29,211

13 Claims. (Cl. 35—50)



1. An arrangement for displaying the behaviour of a last during movements thereof approximating movements of a human foot while taking a step, which comprises a platform, a last having at least a portion thereof resting on said platform, said last being freely movable in all directions about an upwardly extending axis, and means loosely contacting said last for raising and lowering the heel portion thereof.

2,102,039

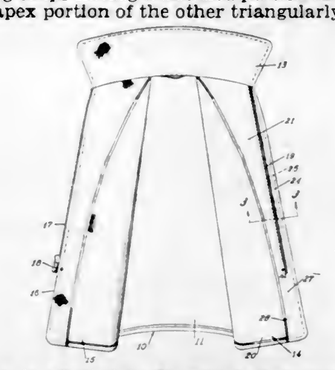
GARMENT

Simon Sinskey, Hammond, Ind., assignor to Winer Manufacturing Company, Hammond, Ind.

Application March 23, 1936, Serial No. 70,281

5 Claims. (Cl. 2—96)

3. A jacket having frontal flaps with complementary edge portions and fastening means for said jacket including an elongated slide fastening member attached along the edge portion of one of said flaps and a second and cooperating slide fastening member of elongated form mounted between overlying longitudinal edge portions of a pair of substantially triangularly shaped facing strips by means of stitching extended through said strips and said fastening member, one of said facing strips having a notched portion into which the apex portion of the other triangularly shaped



facing is adapted to fit, said facing strips being stitched together at the juncture of said apex portion with the other strip, said other strip having a longitudinal edge portion opposite said fastening member stitched to the inner edge portion of the other or complementary flap.

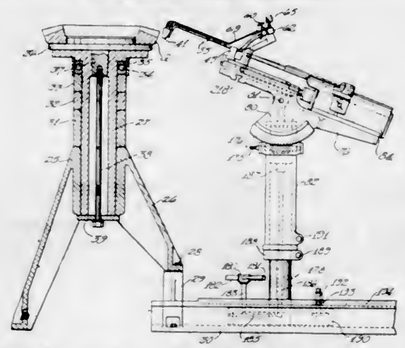
2,102,040

METHOD OF AND APPARATUS FOR HARDENING GEARS

Leon D. Slade, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York

Application August 4, 1934, Serial No. 738,570

25 Claims. (Cl. 148—21)



1. The method of surface-hardening which comprises traversing a flame in one direction at a relatively high speed across the surface to be treated to pre-heat the surface, and then immediately traversing the flame across the same surface at a relatively slow speed in the opposite direction to bring the surface up to the temperature required for hardening.

4. The method of surface-hardening gears which comprises traversing a flame along a tooth in one direction from end to end to pre-heat the tooth, immediately traversing the flame along the tooth from end to end in the opposite direction to raise the tooth to the temperature required for hardening, quenching the tooth progressively immediately after it is raised to the hardening temperature, and then indexing the gear.

6. In apparatus for hardening tapered gears, a

pair of torches arranged, respectively, to direct intense flames simultaneously against opposite sides of a gear-tooth, means for traversing the torches along the tooth from end to end, and means for causing said torches to converge as they traverse the tooth from the large to the small ends thereof.

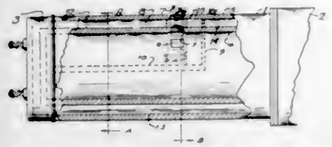
2,102,041

CYLINDER COOLING SYSTEM

George Allen Spelts, Los Angeles, Calif., assignor of seven percent to W. F. Arndt and thirty percent to L. J. Styskal, both of county of Los Angeles, Calif.

Application November 20, 1935, Serial No. 50,757

5 Claims. (Cl. 123—173)



3. In a cooling system of a two cycle engine having exhaust bridges provided with cores for the passage of cooling water therethrough, a cylinder, a shell around the cylinder and forming a water cooling space between the cylinder and the shell, two ribs each extending longitudinally between the shell and the cylinder from the cylinder head to a plane beyond the exhaust bridges, a semi-circular web between the shell and the cylinder and situated at the end of the ribs, a second semi-circular web provided with openings corresponding to the exhaust bridge cores and being adjacent the exhaust bridges, said webs and that part of the ribs between the planes of the webs forming an enclosed portion of the water space with the exception of the exhaust bridge cores, a water inlet provided in the shell for entrance of cooling water into the enclosed portion, and a water outlet in the shell situated still further from the cylinder head than the first mentioned web.

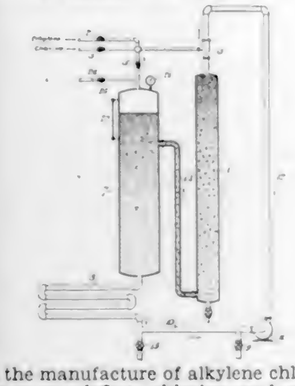
2,102,042

PROCESS FOR MANUFACTURE OF CHLORHYDRINES

Le Roy U. Spence, Cheltenham, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

Application January 23, 1936, Serial No. 60,445

11 Claims. (Cl. 260—157)



1. In the manufacture of alkylene chlorhydrine from gaseous olefine, chlorine and water the steps of producing a large surface contact between liquid and gas by aspirating the chlorine and gaseous olefine into a body of water by means of a flowing stream of water, and flowing said body of water downwardly through a reaction chamber at a rate slightly in excess of that necessary to overcome the tendency of the gas bubbles to rise.

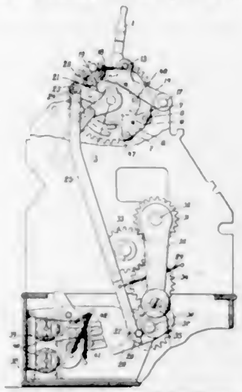
2,102,043

COUNTER

Percy G. Stimson, Dayton, Ohio, assignor, by mesne assignments, to Central National Bank of Cleveland, Cleveland, Ohio

Application October 25, 1934, Serial No. 749,934

15 Claims. (Cl. 235—29)



1. In a register, an amount setting mechanism, a cam disk controlled thereby having a plurality of arcuate surfaces, relatively movable cam levers carried by said disk, means whereby said cam levers are controlled, a plurality of counters, and means controlled by the positions of said arcuate surfaces and cam levers to determine which of said counters will be actuated.

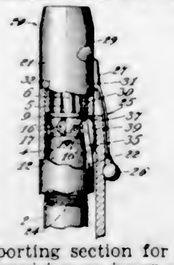
2,102,044

FOUNTAIN PEN AND THE LIKE

Milford Guy Sypher, Belleville, N. Y., assignor to The Chilton Pen Company, Inc., Long Island City, N. Y., a corporation of New York

Application March 31, 1934, Serial No. 718,313

11 Claims. (Cl. 120—42)



1. A pen supporting section for fountain pens and the like, comprising an inner member having threads thereon, a member telescoped and threaded over said inner member for manually gripping the pen section, and a collar member telescoped over said inner member, said collar member having notches therein adapted to lock a pen protecting cap against accidental removal from said pen section.

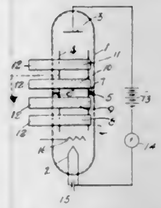
2,102,045

ELECTRON DISCHARGE TUBE

Albert G. Thomas, Lynchburg, Va.

Application May 13, 1936, Serial No. 79,420

3 Claims. (Cl. 250—27.5)



1. A vacuum tube comprising a cathode, an anode, a pair of opposed surfaces on either side of the normal electron path from said cathode to said anode for producing secondary electrons and means for producing a plurality of magnetic fields of alternately opposite polarity spaced between said surfaces at intervals for deflecting electrons emitted by said cathode from surface to surface along with secondary electrons to produce a relatively large number of electrons finally reaching said anode.

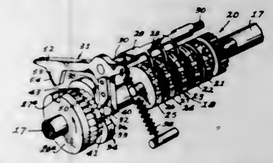
2,102,046

LOCKING SYSTEM FOR REGISTERING MACHINES

Barnwell S. Tyler, Los Angeles, Calif., assignor to National Postal Meter Company, Los Angeles, Calif., a corporation of California

Application March 4, 1935, Serial No. 9,171

8 Claims. (Cl. 235—130)



1. In a locking system for a registering machine, a register for registering each operation of the machine, a control means conditioned by the register when the amount registered therein passes a predetermined value for locking the machine against further use, and a cycling ratchet wheel and pawl means for maintaining the said control means inoperative to lock the machine until the machine has operated one or more times after the control means has been conditioned by the register.

2,102,047

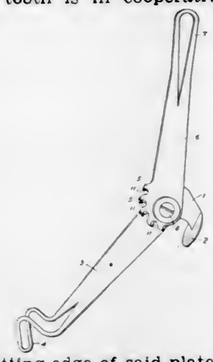
CAST CUTTER

Bert Dalton Van Nader, Berkeley, Calif.

Application September 18, 1935, Serial No. 41,081

9 Claims. (Cl. 128—317)

5. A cutter for removing casts from bodies, comprising a member adapted to pass between a cast and a body, a plate rising from said member and provided with a cutting edge, an arm movably mounted on said plate, said arm having teeth thereon provided with cutting edges cooperative with the cutting edge of said plate to cut through a cast positioned above said member, said teeth being successively disposed at increased radial distances from the axis of movement of said movable arms, and at least one of said teeth being engageable with a surface of said member when said tooth is in cooperative relationship



with the cutting edge of said plate, and a handle extending from said plate.

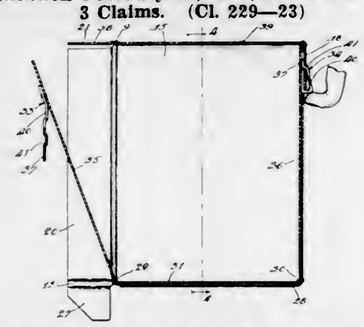
2,102,048

COLLAPSIBLE CONTAINER

Axel M. Walstrom, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a corporation of Illinois

Application February 29, 1936, Serial No. 66,368

3 Claims. (Cl. 229—23)



1. A six-walled rectangular fibreboard box construction, one of the end walls of which has a hinge connection with the bottom wall and is provided adjacent its upper edge with a securing member having an upwardly extending tongue, the top wall having a flap extending downwardly therefrom between the upper portion of the end wall and the tongue, said flap having an opening through which said tongue extends, said securing member comprising two leaf portions having a hinge connection with each other, one of said leaf portions being secured to the end wall and the other leaf portion extending upwardly to form said tongue, said flap lying between said leaf portions and said hinge connection lying beneath the lower edge of said flap whereby the securing member provides a hand hold for handling the box.

2,102,049

ILLUMINATING APPARATUS AND METHOD OF MAKING SAME

Thomas W. Warren, Montreal, Quebec, Canada, assignor to Hanbury A. Budden, Montreal, Quebec, Canada

Application March 15, 1934, Serial No. 715,666

2 Claims. (Cl. 176—122)

1. The method of producing gas containers for incandescent gas illumination comprising mold-

ing a glass member with extended channels between inclined ridges with grooves under the ridges, molding a member with a surface adapted to contact with the ridges of the first member,



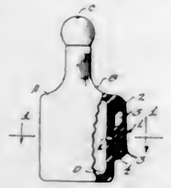
fusing the contacting portions of the members by gas jets in the grooves and on the opposite surface at the same time to form an integral body.

2,102,050

NIPPLE

James B. Whitbread, Detroit, Mich.

Application June 28, 1937, Serial No. 150,666
8 Claims. (Cl. 128—252)



1. A feeding nipple of flexible material, such as rubber, a wall part of which sometimes flexes inwardly due to suction through the feeding hole of the nipple, the nipple having in such flexing part a minute diameter relief port, and a closure and protective cap for the outer end of such port comprising a thick, relatively rigid block integral with and disposed outside of the nipple at said port, part of the block being separated from the flexing part of the nipple and the outer end of the port by a slit which opens to ambient atmosphere, the outer end of the port being sealed by the inner surface of the separated part of the block at the slit when the flexing part of the nipple is not flexed and being unsealed so as to be open to ambient atmosphere through the slit when the flexing part of the nipple has been flexed inwardly away from the severed part of the block, the severed part of the block remaining relatively immovable during the flexing movement of the flexing part of the nipple but being manually movable away from the outer end of the port for exposing the latter for cleaning.

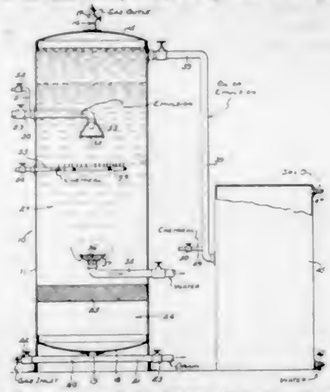
2,102,051

METHOD OF SEPARATING EMULSIONS OF THE OIL-IN-WATER TYPE

William Woelflin, Long Beach, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a corporation of California

Application June 16, 1936, Serial No. 85,521
6 Claims. (Cl. 196—4)

1. A process of treating ballast water and other oil-in-water emulsions in which the water phase is fresh water, which process includes the steps of: adding to said emulsion two materials capable of reacting to form soap which is colloidally dispersed in the water phase, one of said materials being a water-soluble salt of the alkaline earth group of metals and the other of said materials being a chemical de-emulsifying agent capable of reacting with the water-soluble salt to form said colloidal dispersion of soap; and bubbling a gas upward through said emulsion whereby the gas becomes associated with the oil droplets modified by said soap and sweeps these



oil droplets upward to leave a body of purified water.

2,102,052

FISH BAIT AND METHOD OF MAKING THE SAME

George W. Yearley, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application March 3, 1936, Serial No. 66,945
5 Claims. (Cl. 99—3)

1. The method of making artificial fish bait which includes cutting a piece from a slab of pork rind and forming it to a shape suitable for artificial bait, washing it in warm water to remove impurities, impregnating it with a sodium alkyl sulphate, dehydrating it with a polyhydric alcohol maintained at a concentration in excess of 50% by weight, mechanically kneading it to render it pliable.

2,102,053

GRINDING DEVICE

George J. Batzer, Cleveland, Ohio, assignor to Micromatic Hone Corporation, a corporation of Michigan

Application September 15, 1930, Serial No. 481,893
3 Claims. (Cl. 51—184.3)



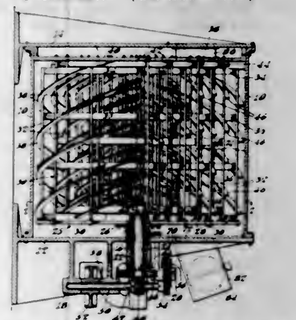
1. In an abrading tool having an abrading head, provided with an abrading element radially adjustable therein; a drive element connected to said head for universal movement with respect thereto; an adjusting member located remotely from said head; a loading spring for urging said abrading element radially of said head; a universal joint; and means forming an operative connection between said abrading element and said member through said spring and said joint.

2,102,054

APPARATUS FOR TREATING CARBON BLACK AND THE LIKE

Edmund Billings, Weston, and Harold H. Offutt, Winchester, Mass., assignors to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts

Original application November 16, 1932, Serial No. 642,850. Divided and this application September 13, 1935, Serial No. 40,438
9 Claims. (Cl. 259—105)



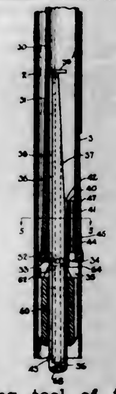
1. Apparatus for treating carbon black and the like, comprising a container providing a chamber, a plurality of parallel baffle rods distributed substantially uniformly in spaced and circular relation throughout the entire chamber, a rotary member in the chamber, a plurality of circularly arranged impelling rods carried by the member and movable therewith past the baffle rods in an approaching and receding manner and always in parallel relation as the member rotates, and spiral propelling means located substantially within the area traversed by the impelling rods for moving the impelled product in a direction substantially parallel with the axis of rotation of the member.

2,102,055

SIDETRACKING TOOL

Walter Brauer, Houston, Tex.

Application March 16, 1936, Serial No. 69,079
7 Claims. (Cl. 255—1)



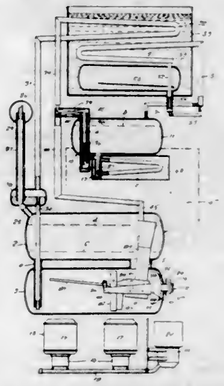
1. A sidetracking tool of the character described comprising an anchor to be set in the well bore, a tapered mandrel carried by said anchor, an eccentric bushing slidable on said mandrel, and a milling cutter rotatably carried by said bushing, whereby relative sliding movement between said bushing and mandrel moves said milling cutter laterally.

2,102,056

REFRIGERATION CONTROL MEANS AND METHOD

Lee S. Chadwick, Shaker Heights Village, Marc Resek, Cleveland Heights, and Wilbur G. Midnight, Bay Village, Ohio, assignors to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application November 28, 1934, Serial No. 755,180
41 Claims. (Cl. 62—5)



1. In the method of refrigeration which involves intermittently heating a body of refrigerant liquor in the generator-absorber section of the system, thereby to vaporize the refrigerant, and subsequently condensing and delivering said refrigerant to the receiver-evaporator section, and during the interims between heating periods returning the refrigerant in the form of gas to the generator-absorber section; the step which consists in distributing the returning gas selectively to different parts of the body of liquor in the generator-absorber section for the purpose specified.

29. In a refrigeration apparatus including an absorber permanently containing a body of liquor, consisting of a substantially fixed amount of absorbent fluid and a variable amount of refrigerant fluid and whose different parts are of different absorbing capacities, and a gas return conduit for delivering refrigerant gas to the absorber, an instrumentality for directing the gas from said conduit selectively to different parts of the body of liquor thereby to control the speed of absorption and consequently the pressure within the system for the purpose specified.

2,102,057

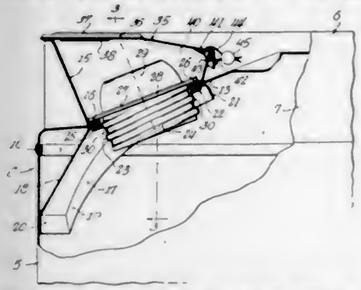
DISPENSING CONTAINER

Alfred J. Chamberlain, Wauwatosa, Wis.

Application November 14, 1935, Serial No. 49,660
13 Claims. (Cl. 221—11)

1. A dispensing container comprising a body portion having a top, said top being flat except for a depression therein, the bottom wall of the depression inclining downwardly and outwardly toward and merging with the outer surface of the periphery of the container below said top to

provide the depression with a lateral opening permitting drainage therefrom to the side of



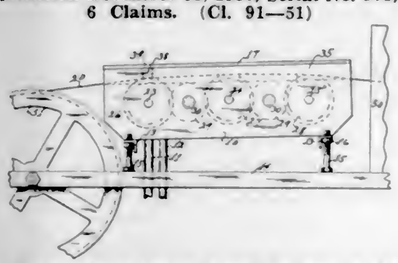
the container and being provided with an outlet opening and a spout formation on the container surrounding said opening.

2,102,058
COLLAR
Adolf Closmann, Leipzig, Germany, assignor to Atlas Ago Chemische Fabrik, Aktien-Gesellschaft, Molkau, near Leipzig, Germany, a corporation of Germany
Application April 18, 1936, Serial No. 75,045
In Germany November 25, 1935
4 Claims. (Cl. 2—136)



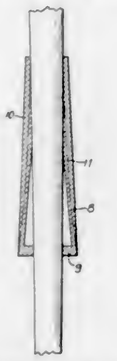
1. A collar comprising a neckband portion, a folding portion, a lower extension piece on each end of said neckband portion, an extension piece on each end of said folding portion, and an upwardly extending tip on each lower extension piece, all of said extension pieces being folded back on fold lines extending transversely of the collar and bonded to register with the terminal regions of said neckband and folding portions to double the strength thereof, said upwardly extending tips being covered and locked by the extension pieces on said folding portion providing a reinforcement of triple strength for the upper front corners of said collar.

2,102,059
DEVICE FOR APPLYING COATINGS TO WIRES
Wilber H. Convers, Poughkeepsie, N. Y., assignor to James K. Delano, Rye, N. Y.
Application December 31, 1930, Serial No. 505,705
6 Claims. (Cl. 91—51)



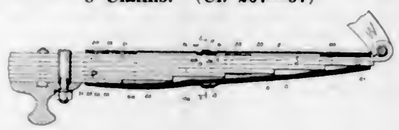
1. In a coating device, a reel for wire, a chamber for the wire through which the wire is moved longitudinally, said chamber comprising a container and means for supplying coating material thereto, a coating applying roller in said container in contact with said wire, a roller for removing excess coating from said wire having a greater peripheral speed than the speed of said wire, and means comprising a restricted inlet for causing said last-named roller to dip into said coating material to a less depth than said first-named roller.

2,102,060
GOLF SHAFT
Robert H. Cowdery and Carl Wright, Geneva, Ohio, assignors to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio
Application November 30, 1935, Serial No. 52,396
5 Claims. (Cl. 273—80)



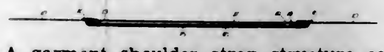
1. A tubular metallic golf club shaft having a metallic ferrule encasing the tip portion of said shaft, a substantial longitudinal portion of said ferrule being integrally metallically joined with said shaft, and the lower portion of said ferrule being disconnected and spaced away from said shaft, said ferrule increasing in diameter beyond said area of juncture and terminating in a metallic annular shoulder, said shoulder extending inwardly and engaging the shaft at the inner periphery of said shoulder and at the area of maximum ferrule diameter, said ferrule having a cavity above said shoulder surrounding said tubular shaft, said shoulder being integral with said ferrule.

2,102,061
SPRING COVER
George W. Crabtree, Cleveland Heights, Ohio
Application February 18, 1935, Serial No. 6,966
8 Claims. (Cl. 267—37)



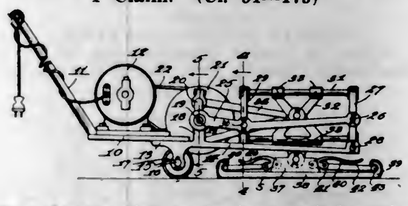
1. A cover for leaf springs comprising a plurality of box-like sections each of which embodies top and bottom substantially U-shaped channels having end portions which telescope with the end portions of the channels of an adjacent section, each telescoping portion being formed with interfitting rounded joints to permit flexing of the sections while maintaining a seal at the joint.

2,102,062
SHOULDER STRAP
Sarah M. Crewdson, Chicago, Ill.
Application May 7, 1937, Serial No. 141,310
4 Claims. (Cl. 241—12)



1. A garment shoulder strap structure comprising a length of cloth material sufficient to form a strap, means including a tubular strip providing a pocket and adjustably secured to said strap, said tubular strip having an opening to the pocket therein, and a stiffening member insertable endwise through said opening into said pocket for stiffening the same, whereby said strap is reinforced along the length of the tubular strip.

2,102,063
FLOOR SANDER
Fred L. Detwiler, Santa Ana, Calif.
Application November 25, 1935, Serial No. 51,418
1 Claim. (Cl. 51—175)



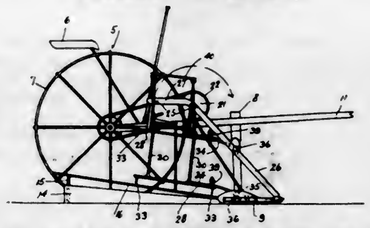
In a floor sander, a wheel supported carriage, a handle projecting from the rear end of said carriage, a pair of arms projecting forwardly from said carriage, a rail connecting the forward ends of said arms, a frame hinged to said carriage and positioned above said arms, the forward end of which frame normally rests on the rail that connects the forward ends of said arms, members mounted for reciprocatory movement in said frame, means on the carriage for imparting reciprocatory movement to said members, plates pivotally suspended from said reciprocating members and means on said plates for clamping sheets of sandpaper thereto.

2,102,064
STOCKING
Charles C. Foster, Westville, N. J., assignor to The Chesterman-Leeland Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 14, 1936, Serial No. 100,620
1 Claim. (Cl. 66—172)



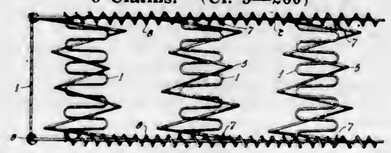
A seamless elastic stocking comprising a leg portion which is formed of strands of elastic fillers and knitted binding thread, a welt also formed of strands of elastic fillers and knitted binding thread and having therein an extra knitted binding thread, said welt having knitted therein a course having tuck-loops upon the back of the stocking at the juncture of the leg portion with the welt, and also having knitted therein a course having tuck-loops upon the back of the stocking adjacent the upper edge of the welt and spaced from the first mentioned course, whereby the welt may closely hug the leg of the wearer to retain its shape without discomfort to the wearer.

2,102,065
SEED GATHERER ATTACHMENT FOR MOWING MACHINES
James A. Gaylord, Sharon, Tenn., assignor of one-third to Lillie Gaylord, Sharon, Tenn.
Application May 9, 1936, Serial No. 78,902
Renewed September 20, 1937
2 Claims. (Cl. 56—207)



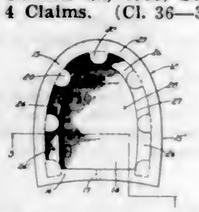
1. In combination with the cutter bar of a mowing machine, a seed pan projecting rearwardly from the cutter bar, a corrugated sieve mounted above the seed pan and provided with perforations in the grooves of the same, agitating means mounted above the said sieve for actuating the material riding on to the sieve so that seed from the material will sift through the openings therein, said agitating means consisting of an elongated crank shaft provided with a plurality of cranks therein, frame members each provided with depending teeth and having connections to corresponding cranks on the crank shaft, brushes mounted on the forward end of said frame for brushing off the said cutter bar, said brushes being provided with elongated spring arms, and supplemental spring means on the frames for urging the said brushes and arms downwardly.

2,102,066
EDGING FOR SPRING ASSEMBLIES FOR UPHOLSTERY
William W. Gleason, Chicago, Ill., assignor to Nachman Spring-Filled Corporation, Chicago, Ill., a corporation of Illinois
Application June 29, 1936, Serial No. 87,904
3 Claims. (Cl. 5—260)



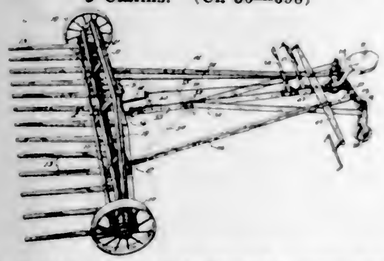
1. A spring assembly comprising a group of conventional upholstery springs tied together in predetermined relation to each other, and a peripheral spring structure bordering said spring assembly and comprising a series of wire springs lying substantially in vertical planes tangential to the terminal coils of the marginal springs of the assembly, each of said wire springs equipped with substantially horizontally disposed terminal shanks and being relatively disposed so that the shanks of contiguous springs overlap each other, and means securing the overlapped portions of said shanks to each other and to the terminal coils of the marginal springs of the assembly thereby providing resilient border wire frames peripherally of said spring assembly.

2,102,067
CUSHIONED HEEL
George W. Griffith, Norwalk, Conn.
Application October 24, 1935, Serial No. 46,464
4 Claims. (Cl. 36—35)



1. A rubber heel comprising a body having a cavity therein; a nail receiving insert; a bottom wall; a stepped wall supporting said insert, said insert and said stepped wall defining sides of said cavity; and portions of said rubber body overlying said insert to prevent the latter being pulled away from said body.

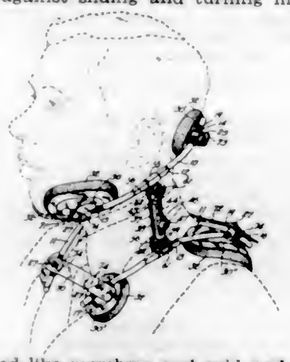
2,102,068
BULL RAKE
Arthur R. Gunnerson, Denver, Colo.
Application September 18, 1936, Serial No. 101,473
5 Claims. (Cl. 56—398)



1. A rake of the type described comprising: a pair of supporting wheels; an axle extending between said wheels; a truss enclosing said axle; rake teeth extending forwardly from said truss; hinged levers extending from said axle to said truss to maintain them in a predetermined relative relation; friction clutch members, stationary with respect to the hinged levers; a clutch member movable between the wheels and the stationary members, comprising; means for alternately connecting the axle to the wheels to be rotated thereby and for connecting it to the friction clutch members to hold it from reverse rotation, and flexible members extending between the axle and the truss, to support the latter, the flexible members being windable about the axle.

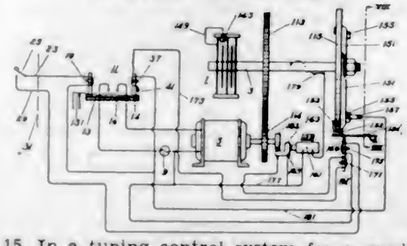
2,102,069
CERVICAL SPLINT
Paul William Hanicke, Kansas City, Mo.
Application June 17, 1936, Serial No. 85,743
22 Claims. (Cl. 128—87)

18. An apparatus of the character described, comprising a head-engaging member, a body-engaging member, said head-engaging and body-engaging members each comprising an elongated rod-like frame member having serrated portions near the ends thereof, means connecting said rod-like members between the ends thereof, and pad holders comprising sleeve portions mounted for sliding and turning adjustment on said serrated portions of said rod-like members, pad carriers swivelled on said sleeve portions, and means for simultaneously clamping said sleeve portions against sliding and turning movement



on said rod-like members and said pad carriers in fixed position on said sleeve portions.

2,102,070
REMOTE CONTROL SYSTEM
Floyd M. Harris, Merchantville, N. J.
Application July 15, 1933, Serial No. 680,527
17 Claims. (Cl. 250—40)



15. In a tuning control system for a receiver having a tuning element therein, a primary tuning means comprising a motor, means for coupling said motor to said tuning element for moving it to a tuning position, a control device, means for causing said motor to move said tuning element in response to the actuation of said control device whereby said element is moved towards a predetermined tuning position at which said receiver is tuned exactly to a preselected station, an auxiliary tuning means operating substantially independently of the inertia of moving parts in said system for tuning said receiver exactly to said preselected station after said primary tuning means has moved said element to the region of said predetermined tuning position, and means for rendering said primary tuning means ineffective to move said element and for rendering said auxiliary tuning means effective automatically to tune said receiver exactly to said preselected stations in response to said tuning element being moved to the region of said predetermined position and regardless of whether said primary tuning means stops moving said element before or after said element has reached said predetermined position.

2,102,071
GEAR BROACHING MACHINE AND METHOD
William A. Hart, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application April 29, 1935, Serial No. 18,840
11 Claims. (Cl. 90—8)

9. A device for broaching articles including a broach having a series of teeth, means for successively feeding articles to said broach so that a plurality of said articles are simultaneously in broaching position, means for effecting successive steps of relative movement between said plurality



of said articles and said broach, each step being shorter in length than the length of said broach, and said feed means being adapted to have an article fed to said broach after each said step.

2,102,072
ROTARY TOOL JOINT
Frank J. Hinderliter, Tulsa, Okla.
Application July 15, 1935, Serial No. 31,328
8 Claims. (Cl. 285—146)



1. A rotary tool joint including a box member having a threaded socket, a pin member having a threaded shank adapted to be screwed into said socket, and a sealing ring of resilient material disposed between the inner end of said shank and the bottom of said socket, said ring having its inner periphery provided with diverging annular lips which terminate in relatively sharp edges adapted to be pressed away from each other by fluid flowing through said joint into sealing engagement with the end of the shank and an edge portion of the bottom of said socket, said bottom of the socket having an integral upwardly projecting annular rib, the inner surface of which is aligned with the inner surface of the bore of the pin member, said resilient ring being disposed between said rib and a side wall of the socket on the bottom of the socket and projecting outside said rib, whereby said rib aids to confine the rubber against displacement from the bottom of the socket without interfering with the pressing of the sealing ring into tight sealing position by the inserting thrust of the shank as it is screwed into the socket.

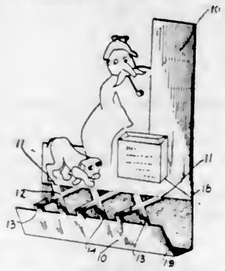
2,102,073
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 19, 1935, Serial No. 17,255
8 Claims. (Cl. 196—10)

4. A process for producing liquid hydrocarbons from a hydrocarbon mixture containing butenes and propylene which comprises contacting the mixture with solid phosphoric acid catalyst at polymerizing temperature, the phosphoric acid concentration of the catalyst and the temperature being controlled and correlated to selectively polymerize butenes from the mixture, and then contacting the remaining portion of the mixture with additional solid phosphoric acid catalyst under conditions of temperature and phosphoric acid concentration which are controlled and correlated for optimum polymerization of propylene.

2,102,074
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff and Raymond E. Schaad, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 24, 1936, Serial No. 65,413
8 Claims. (Cl. 196—10)

8. A process for producing liquid hydrocarbons from normally gaseous olefin mixtures which comprises subjecting the mixture successively to the action of orthophosphoric acid and pyrophosphoric acid under polymerizing conditions.

2,102,075
ADVERTISING SIGN
Joseph Jackson, New York, N. Y., assignor to Rode & Brand, New York, N. Y., a corporation of New York
Application March 8, 1937, Serial No. 129,560
5 Claims. (Cl. 40—126)

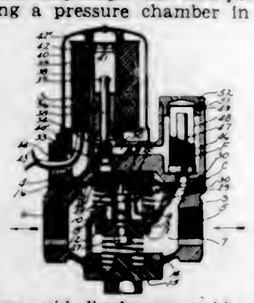


1. An advertising sign comprising a front panel and a rear panel said front panel having advertising letters stamped out thereon in an area defined by scored lines, said rear panel being secured to said front panel and being visible through said lettered area when the sign is in use and a support to retain the sign in the operative position.

2,102,076
VALVE CONTROL
Roy W. Johnson, Milwaukee, Wis.
Application May 31, 1935, Serial No. 24,177
7 Claims. (Cl. 137—139)

2. A control valve of the character described comprising a bottom casing member having an inlet and an outlet and provided with a ported partition between said inlet and outlet, a main valve cooperable with said ported partition to regulate flow therethrough, there being means biasing said main valve to closed position, an upper casing member connected to said lower casing member, a diaphragm disposed between said casing members and having a port therethrough and provided with a valve seat surrounding said port, a stem carried by the main

valve and having a tapered end cooperable with the valve seat of said last-named port, a spring between said diaphragm and said ported portion, there being a pressure chamber in said upper



casing above said diaphragm, said casing members having a bypass therein leading from said inlet to said pressure chamber and a solenoid valve in said bypass controlling flow from said inlet to said pressure chamber.

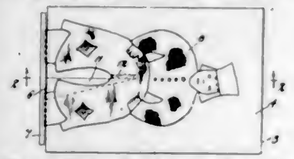
2,102,077

NOVELTY BOX

Milton Kahn, New York, N. Y., assignor to Novelart Mfg. Co., New York, N. Y., a firm

Application October 28, 1935, Serial No. 47,177

4 Claims. (Cl. 229—8)



1. A polygonal novelty box having the combination of a merchandise container, a telescopic cover for said container, a cut-out figure, a board hinged to the bottom of said figure, said board being secured to the side of said cover, and said figure depending from said hinging normally lying upon the top of said cover.

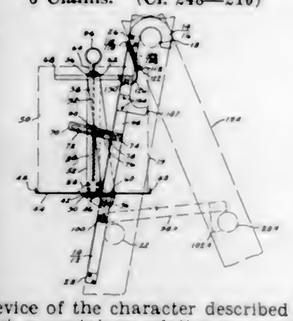
2,102,078

SUPPORT DEVICE

George W. Kemp, Dayton, Ohio

Application February 9, 1935, Serial No. 5,759

6 Claims. (Cl. 248—210)



6. A device of the character described adapted to support a container relative to a supporting structure comprising, in combination, a multipart bracket, one part of which is adapted to engage a supporting structure and another part of which is adapted to receive a container, the container receiving part including resiliently urged hook means adapted to grip the container and hold it in place; and means pivotally connecting said parts together, the construction and arrangement being such as to provide for adjustment of the container receiving part in directions parallel to and in a plane transverse to the support engaging part.

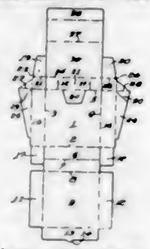
2,102,079

DISPLAY BOX

Albert E. Keppler, Philadelphia, Pa., assignor to Brown & Bailey Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 30, 1935, Serial No. 38,504

9 Claims. (Cl. 206—44)



1. A display box comprising a bottom, front, rear and side walls and a tray adapted to nest within the box and hinged to one of said walls for movement from horizontal to inclined position, and means carried by the walls proximate to said wall and extending through the wall opposite thereto adapted to support the tray in moved position after it has been raised thereto.

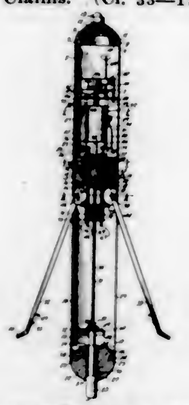
2,102,080

WELL SURVEYING DEVICE

Myron Macy Kinley, Tulsa, Okla.

Application December 23, 1935, Serial No. 55,854

8 Claims. (Cl. 33—174)



1. In a surveying device for recording surface irregularities of a bore hole, a casing, a plurality of feelers normally yieldingly retained in the casing, independent means for pivotally mounting said feelers for independent movement in the casing in radial planes extending through the axis of the bore hole, means normally retaining the feelers in latched engagement within the casing, means for releasing said feelers for engagement with surface irregularities of the bore hole, and mechanism connected with said feelers for recording variations in movements of the feelers over said surface irregularities.

2,102,081

PROCESS FOR THE REDUCTION OF SULPHUR DIOXIDE TO ELEMENTAL SULPHUR BY MEANS OF CARBON

Robert Lepsoe, Trail, British Columbia, Canada, assignor to The Consolidated Mining & Smelting Company of Canada, Limited, Montreal, Quebec, Canada, a company of Canada

Application January 14, 1936, Serial No. 59,095

9 Claims. (Cl. 23—226)



1. A process for the reduction of sulphur dioxide to elemental sulphur by means of carbon which comprises introducing sulphur dioxide, at a temperature sufficiently high to establish the reducing reactions, into a reducing fuel bed consisting essentially of carbonaceous material and controlling the temperature of the reducing reactions by admitting at higher levels of the fuel bed additional sulphur dioxide at a temperature below the prevailing temperature of the reacting gases at the point of admission.

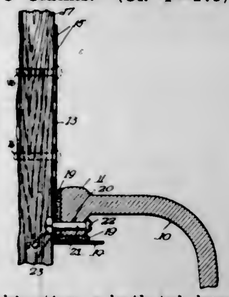
2,102,082

BATHTUB HANGER

William B. Lucke, Wilmette, Ill.

Application March 30, 1936, Serial No. 71,612

3 Claims. (Cl. 4—173)



1. In combination, a bath tub hanger embodying a bracket member having a substantially vertical portion spaced from and extending across the outer face of the rim of a tub and projecting above and below the top and bottom of said rim, said bracket also having a laterally projecting portion extending beneath the lower edge of said rim, sealing material disposed between the outer face and lower edge of said rim and the portions of said bracket that are respectively adjacent said face and edge, and means permanently securing the bracket to the tub rim, adapting the tub and bracket for shipment as a unit, in assembled relation.

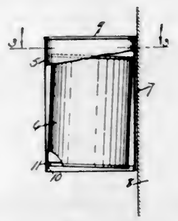
2,102,083

RECEPTACLE HOLDER

Isaac Murray MacDonald, West Hartford, Conn.

Application August 4, 1936, Serial No. 94,181

3 Claims. (Cl. 312—112)



1. A receptacle holder comprising a case having an open lower end, and a retaining finger projecting inwardly and upwardly at the lower open end of the case at a distance from the wall of said case to provide a space to receive a receptacle inserted through said lower open end and shifted laterally to engage said finger.

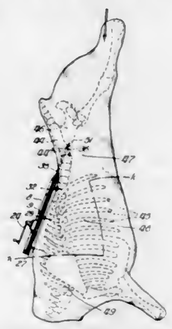
2,102,084

METHOD OF AND APPARATUS FOR TREATING BEEF CARCASSES

Grant H. Miller, Caldwell, N. J.

Application August 11, 1934, Serial No. 739,429

21 Claims. (Cl. 17—44)



9. A device for treating an animal carcass comprising attachment means for attachment to the carcass, a plurality of engaging means for engaging the meat in desired parts of the carcass, and means connected between said attachment means and said engaging means for causing said engaging means to move different distances relatively to said attachment means.

2,102,085

COTTON EXTRACTING SAW CYLINDER

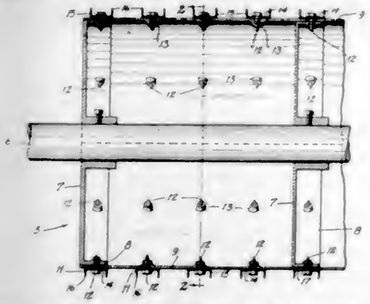
Orville Mitchell, Dallas, Tex.

Application February 10, 1936, Serial No. 63,169

3 Claims. (Cl. 19—63)

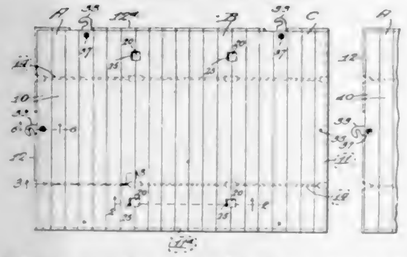
1. A saw cylinder for cotton extracting machines comprising a shaft, a series of disks secured at intervals thereon, each of which is provided with a continuous peripheral flange extending at right angles to the body of the disk, a sheet metal housing surrounding said disks and supported on said flanges, a series of channel-shaped saw bands encircling said housing at intervals throughout its length each of said saw

bands being provided in its base with separated elongated openings, and self-threading screws



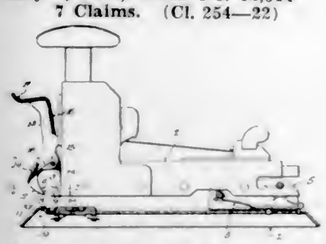
passed through said openings and driven into apertures in said housing.

2,102,086
PORTABLE DANCE FLOOR
Herbert B. Mueller, Los Angeles, Calif.
Application December 24, 1936, Serial No. 117,638
12 Claims. (Cl. 20—6)



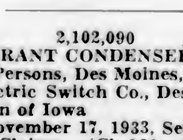
1. In a portable dance floor or mat, a panel composed of three sections of equal size and shape, double-acting hinges connecting the end sections with the intermediate section so that said end sections may be folded onto the top or bottom of said intermediate section, and means mounted in the panel adjacent the edges thereof for securing a number of the panels to each other in assembled relation.

2,102,087
TOOL FOR REMOVING STAPLES
William G. Pankonin, Chicago, Ill.
Original application December 12, 1932, Serial No. 646,846. Divided and this application February 6, 1936, Serial No. 62,614
7 Claims. (Cl. 254—22)



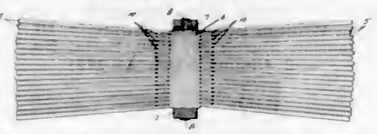
1. In a device of the type described, a base, an arm movable relative to said base, there being a jaw on said arm, said base, arm and jaw being positioned so that movement of said arm toward and away from said base causes said jaw to move into and out of abutting relationship with said base, and a second jaw independently cooperable with said first mentioned jaw and carried by said arm.

2,102,088
AUTOMATIC SAFETY SEAL
Guillermo Douglas Palmer, Buenos Aires, Argentina
Application April 4, 1936, Serial No. 72,695
6 Claims. (Cl. 292—323)



1. A locking seal comprising in combination with a member to be locked having an aperture, a closed casing having a slot in one end, a pair of spaced guides in said casing, registering apertures in each of said spaced guides, a locking member forming a sleeve around said spaced guides and slidable thereover, a pin resiliently mounted in said sleeve and bearing against the surface of one of said spaced guides when the seal is in unlocked condition, said pin being adapted to snap into said apertures when in registry therewith and means for automatically bringing said pin in registry with said apertures when the member to be locked is inserted through said slot and when the aperture of said latter member is in registry with said first mentioned apertures.

2,102,089
METHOD OF APPLYING SICCATIVE COATINGS TO BUNDLED SHINGLES
Charles N. Perrin, Buffalo, N. Y.
Application October 1, 1935, Serial No. 43,025
7 Claims. (Cl. 91—68)

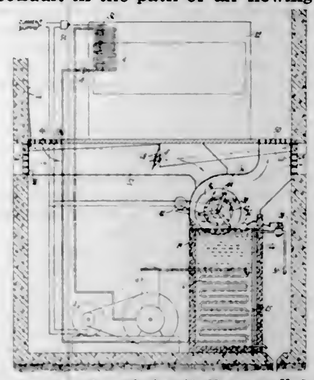


1. A method of preparing bundled shingles for treatment, comprising the elongation of the bundle by pulling the butts of the shingles at each end of the bundle away from each other a sufficient distance to permit portions of the thinner tip parts of the shingles of adjacent layers on each end of the bundle to be flexed far enough to allow separators to be forced between such adjacent layers of shingles, toward the center of the bundle, and beyond those areas of the shingles which are later exposed when they are laid in courses for use.

2,102,090
REFRIGERANT CONDENSER COOLER
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application November 17, 1933, Serial No. 698,476
3 Claims. (Cl. 261—92)

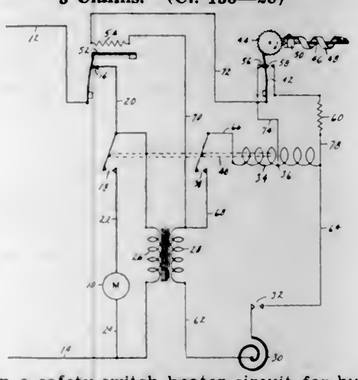
2. The combination with a receptacle, conduit means for directing air through the upper portion of said receptacle, a condenser coil having portions inclosed in said receptacle and means for supplying a cooling liquid to said receptacle

to a level above said condenser; of a device comprising a set of circular disks rotatably mounted in said conduit in the path of air flowing there-



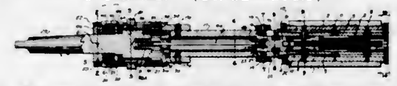
through on an axis substantially parallel to said liquid level, said axis being located a distance thereabove less than the radii of said disks and means for rotating said disks.

2,102,091
SAFETY SWITCH HEATER CIRCUIT FOR BURNER CONTROLS
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application August 13, 1935, Serial No. 35,988
3 Claims. (Cl. 158—28)



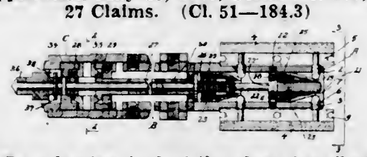
1. In a safety switch heater circuit for burner controls, the combination with a circuit having a relay, a room thermostat and a safety switch heater, of a combustion responsive switch having first contacts closed in the absence of combustion and second contacts closed in the presence of combustion, said first contacts being arranged to connect said safety switch heater in series circuit with a part of said relay, an impedance element, said second contacts being arranged to connect said safety switch heater in series circuit with said impedance element, and holding contacts for and closed by energization of said relay which are in series with all of said relay and thereby, together with the remaining part of said relay, shunt said safety switch heater when said first contacts are engaged and, together with all of said relay, shunt said impedance element and said safety switch heater when said second contacts are engaged.

2,102,092
ABRADING TOOL
Thomas F. Quigley, Cleveland, Ohio, assignor, by mesne assignments, to Micromatic Hone Corporation, a corporation of Michigan
Application November 3, 1927, Serial No. 230,799
8 Claims. (Cl. 51—184.3)



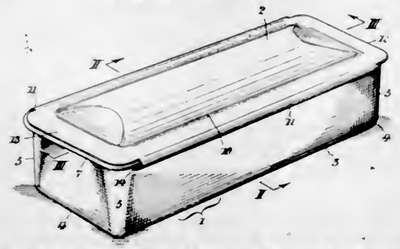
1. In an abrading tool, the combination of a hollow mandrel, a set of abrading members adjustable radially therein, pins connected to said members and extending into the mandrel, and cones in the mandrel engaging the inner ends of the pins, the cones being fluted where they engage the pins, thereby permitting self-adjustment for equalizing the pressures on the ends of the abrading members.

2,102,093
HONING AND LAPPING MACHINE
Thomas F. Quigley, Cleveland, Ohio, assignor to Micromatic Hone Corporation, a corporation of Michigan
Application May 18, 1928, Serial No. 278,883
27 Claims. (Cl. 51—184.3)



1. In a honing tool of the class described, the combination with a head and abrading devices carried thereby, of instrumentalities for expanding the abrading devices, said instrumentalities including expanding members which affect the abrading devices at opposite ends thereof, driving means for causing operation of the expanding instrumentalities, and driving metallic connecting elements between the driving means and the expanding members permitting of the independent operation of each of the expanding members.

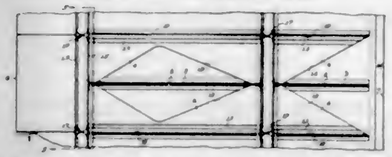
2,102,094
BOX
Morris W. Romig, Allentown, Pa., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa., a corporation of Maryland
Application March 12, 1936, Serial No. 68,463
5 Claims. (Cl. 220—41)



1. As a new article of manufacture a box fashioned from sheet material and comprising a bottom component of rectangular configuration with hollow-bead flanges along its upper longitudinal edges continuous with part-round cross-section end flanges; a sliding lid component with side edge flanges embracing and engaging the

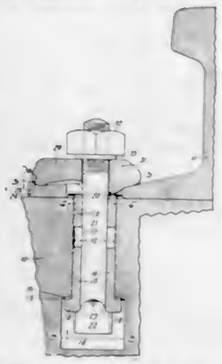
longitudinal flanges of the bottom component; shoulder and lug stops extending inwardly and upwardly from the respective interengaging flanges, said stops being located so as to limit opening movement of the lid component; and separate cooperative stops for limiting the closing movement of the lid component and determining coincidence between the contiguous perimetric edges of the two components when the box is closed.

2,102,095
AIRPLANE
Joseph R. Salzman and Carl J. Snyder, Detroit, Mich.
Application April 20, 1936, Serial No. 75,350
7 Claims. (Cl. 244—123)



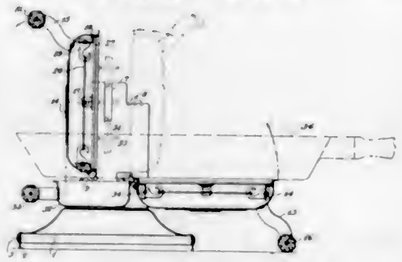
3. In an airplane, an airfoil including spaced apart spars, a skin formed of a plurality of sheet metal strips extending transversely of said spars with inwardly extended edge portions secured together to form seams uniting said strips and forming inwardly extending skin ribs, uniting strips secured to the exterior of said skin over said seams throughout the length of each seam, and L-shaped members each formed from a single sheet of metal and each secured at its ends to said spars and to said skin ribs adjacent one edge, with the laterally extending portion of each member spaced from the inner edge of the skin rib to which said member is secured.

2,102,096
FASTENING DEVICE
Alfred W. Schmid, Springfield, Ohio
Application October 27, 1936, Serial No. 107,854
10 Claims. (Cl. 238—377)



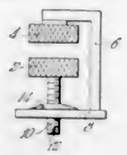
1. In a fastening device of the character described, a tubular housing adapted to be inserted in an opening in a supporting structure and having means to hold the same against upward movement with relation to said structure, a bolt removably mounted in said housing and having means to hold the same normally against upward movement with relation to said housing, a removable fulcrum member having a part to enter the outer end of said opening and retain the same in a predetermined position on said supporting structure, a clamping member mounted about said bolt and having a part pivotally supported on said fulcrum member and having another part to engage the device which is to be fastened to said supporting structure, and a nut on said bolt to move said clamping member into engagement with said device.

2,102,097
COOKING APPARATUS
Samuel D. Sherman, Cleveland, Ohio, assignor to The Forestek Plating & Manufacturing Company, a corporation of Ohio
Application July 27, 1935, Serial No. 33,524
6 Claims. (Cl. 53—5)



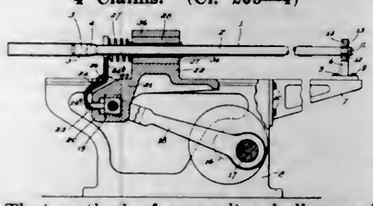
1. Cooking apparatus comprising a base, two brackets secured thereto, two open-sided shells pivotally supported by said brackets, heating elements within said shells, a supporting grill secured to the open side of each shell, means retaining said shells in a plurality of positions, said means comprising extensions on said shells remote from the pivotal connection, and a plurality of engaging surfaces on said brackets.

2,102,098
ADJUSTING MEANS
Royal F. Sickles, Springfield, and Herbert F. Oliver, West Springfield, Mass., assignors to F. W. Sickles Company, Springfield, Mass., a corporation of Massachusetts
Application May 19, 1936, Serial No. 80,608
7 Claims. (Cl. 151—30)



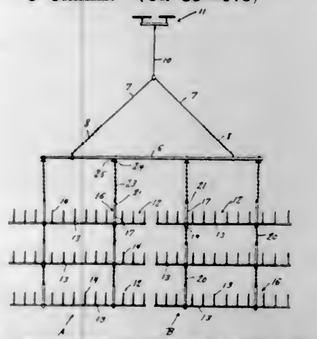
3. The combination of a support and a screw threadedly engaging the same with a lock washer for resisting rotating movements of said screw comprising, a disc-like member having an opening the periphery of which engages the groove between the thread of said screw, the said member being of spring-like thin metal provided with a slot in its periphery and being dished so that a surface thereof adjacent its periphery frictionally bears on said support and its central part is spaced therefrom, all adapted and arranged whereby said member yieldingly bears on said support to yieldingly urge said screw in one direction and resists but permits rotation thereof.

2,102,099
ENLARGING THE DIAMETER OF HOLLOW METAL ARTICLES
Fritz Singer, Nuremberg, Germany, assignor to Tubus A. G., Glarus, Switzerland
Application January 28, 1936, Serial No. 61,152
In Germany May 14, 1934
4 Claims. (Cl. 205—4)



1. That method of expanding hollow metallic articles, such as tubes, which comprises gripping and advancing a relatively short length of the article freely over a tapered mandrel head having a diameter greater than that of the article, and repeating such advancement step-by-step to expand continuously successive relatively short lengths, and thereby freely expanding the diameter of the article with relatively low change in wall thickness, the said gripping taking place a relatively short distance from the mandrel head.

2,102,100
PORTABLE WEED BURNING ERADICATOR
George Skarphol, Souris, N. Dak.
Application March 27, 1937, Serial No. 133,453
3 Claims. (Cl. 56—375)

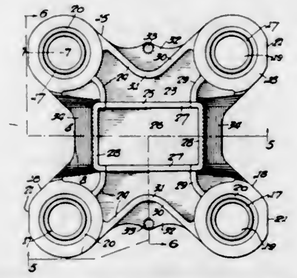


1. In a structure of the class described, an evener bar, draft means connected thereto, multiple rake sections connected to and following the evener bar, each section including spaced parallel bars, forwardly extending teeth connected with each bar and runners connected with each bar and having portions extending under the bar to raise the teeth off the ground, said runners extending beyond the teeth together with chain means connecting the respective runners together to allow the desired independent compensating or self-leveling action.

2,102,101
PROCESS OF PREPARING FAT AND OIL SPLITTING ENZYME FROM PLANT SEEDS
Etsuo Takamiya, Moji, Japan
No Drawing. Application June 27, 1935, Serial No. 28,773. In Japan July 21, 1934
4 Claims. (Cl. 195—66)

1. The process of preparing fat and oil splitting enzyme material which comprises, adjusting the oil content of seed material which contain said enzyme to a minimum of 5% of their weight, and subjecting the said oil adjusted material to the action of from 40 to 5% of their weight of a 0.6 to 1.2 normal solution of an acid, and separating the said enzyme material from the resulting mixture of oil and acid.

2,102,102
RAILWAY TRUCK
Donald L. Townsend, Rochester, N. Y., assignor to The Symington-Gould Corporation, a corporation of Maryland
Application January 2, 1934, Serial No. 704,958
26 Claims. (Cl. 267—3)



1. A spring nest adapted for insertion in the bolster opening of a railway vehicle side frame for the support of an associated bolster comprising upper and lower plates formed to center both helical springs and leaf springs held together by band means, said plates for that purpose having relatively thick corner portions adapted to center said helical springs, and thinner web portions connecting said corner portions and provided with ribbing, said ribbing comprising rectangular generally central portions formed to center the bands of said leaf springs.

2,102,103
PROCESS FOR RECOVERING ACIDS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application February 16, 1935, Serial No. 6,919
10 Claims. (Cl. 260—122)

1. A process for recovering acids from aqueous solution comprising effecting exchange of the anions of the acids with the anions of a solid onium compound, said onium compound having a solubility of less than 0.01 gram in 100 cc. of water at 20° C.

2,102,104
MANUFACTURE OF ISATIN DERIVATIVES
Max Wyler, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 8, 1935, Serial No. 15,312. In Great Britain April 12, 1934
2 Claims. (Cl. 260—47)

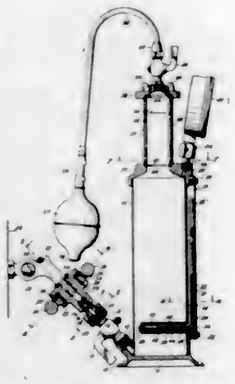
2. N-ethyl-isatin-sulfonyl chloride, being when dry a greenish-yellow crystalline compound having a melting point of 137–139° C. and being identical with the product obtainable by reacting N-ethyl-cyano-formanilide with chlorosulfonic acid at about ordinary room temperature until reaction is substantially complete.

2,102,105

METHOD OF DETERMINING THE GAS CONTENT OF SOLUTIONS

Edward Zahm, Buffalo, N. Y., assignor to Zahm & Nagel Co., Inc., Buffalo, N. Y., a corporation of New York

Application December 17, 1934, Serial No. 757,915
2 Claims. (Cl. 73—151)



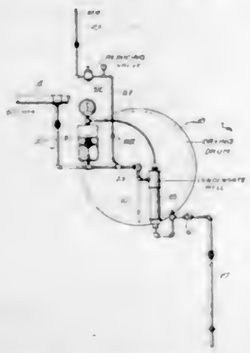
1. The method of determining the gas content of a liquid beverage containing gas in solution, consisting of definitely reducing the liquid volume of said solution without the admission of air, and then ascertaining the pressure and temperature of said solution and from this data empirically determining the gas content of said solution.

2,102,106

APPARATUS FOR DISCHARGING CONDENSATE FROM DRYING DRUMS

William S. Allen, Warwick, R. I.

Application October 21, 1936, Serial No. 106,813
2 Claims. (Cl. 34—4)



1. Apparatus for disposing of condensate in drying drums comprising the combination with the drum, of a steam supply pipe, a thermostatically controlled valve in said pipe, a pipe for delivering air under pressure to said drum, a condensate discharge pipe, and a reducing valve in said air pipe for maintaining a constant predetermined pressure in said drum sufficient to discharge the condensate therein through said discharge pipe.

2,102,107

PRODUCTION OF AMMONIUM SULPHATE

Gerrit Berkhoff, Jr., Kerensheide, Post Lutterade, Netherlands, assignor to De Directie van de Staatsmijnen in Limburg, Heerlen, Netherlands

No Drawing. Application March 3, 1934, Serial No. 713,882. In the Netherlands October 16, 1933

10 Claims. (Cl. 23—119)

1. In the preparation, by the saturation process, of ammonium sulphate in relatively coarse crystalline form from solutions prepared with commercial sulphuric acid containing the usual small amounts of metallic impurities, the process which comprises adding to such a solution, while maintaining the concentration of sulphuric acid therein below 1.5 per cent, a soluble phosphatic compound in amount not substantially more than sufficient to precipitate said impurities from solution thereby producing a liquor having a reduced content of said metallic impurities in dissolved form, crystallizing ammonium sulphate from said liquor and recovering the coarse crystals thereby produced.

2,102,108

COMBUSTIBLE LIQUID LIGHTER

Léon Bolle, Geneva, Switzerland, assignor to La Nationale Societe Anonyme, Geneva, Switzerland

Application July 22, 1936, Serial No. 92,007
In Switzerland July 27, 1935
9 Claims. (Cl. 67—7.1)



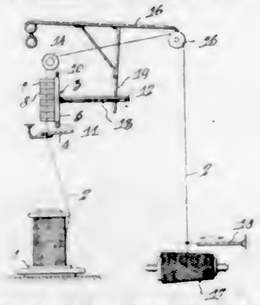
9. A lighter comprising an abrading wheel, a shaft upon which said wheel rotates, a support pivoted on said shaft, a piece of pyrophoric material slidably mounted in said support adapted to cooperate with said wheel, resilient means urging said material towards said wheel and locking said support from pivoting and means for retracting said resilient means and thereby permitting pivoting of said support whereby said material may be replaced.

2,102,109

TENSION COMPENSATOR FOR WINDING MACHINES

Leo Brueggemann, Wuppertal-Oberbarmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware

Application December 26, 1935, Serial No. 56,130
In Germany December 28, 1934
4 Claims. (Cl. 242—154)



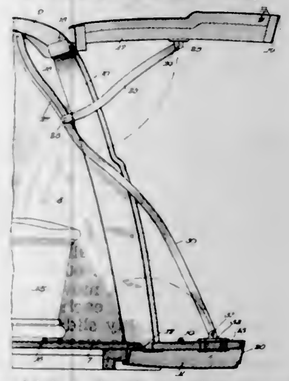
1. In a device of the class described, in combination, a thread brake comprising opposed grill members, each of said members having a plurality of fingers through which thread passes, each of said grill members having a projection extending in a direction opposite to the said fingers, said projections forming an angular space, a guide roller mounted on a resilient member, a finger element mounted on said resilient member and projecting into the angular space formed by said projecting elements and adapted to thereby vary the braking tension as the resilient member varies in position with the varying tension of the thread.

2,102,110

VEHICLE BODY

Jay Fred Burkey, Auburn, Ind., assignor to Auburn Automobile Company, Auburn, Ind., a corporation of Indiana

Application June 10, 1935, Serial No. 25,704
2 Claims. (Cl. 296—106)



1. In a vehicle body, the combination of a body comprising a floor and provided with an opening for loading and unloading purposes, a closure for said opening comprising a lower door pivoted at its lower end to the body to swing vertically from its closed position outwardly of the body and into substantially horizontal alignment with the floor and an upper door pivoted at its upper end to the body to swing vertically and outwardly from the body, and an operative connection between the doors comprising a pair of links respectively pivoted to the doors, a pivotal connection between the links which permits them to swing on a common axis, and a fixed guide for slidably controlling and for arresting the pivotal connection so that the links will conjointly shift the doors and for arresting the pivotal connection at a point where the links will be automatically supported through the pivotal connection and the guide to secure and support the doors in their open and substantially horizontal position the link for the upper door being positioned, when the upper door is open, obliquely and acting as an oblique strut between the fixed guide and the upper door, the lower link being oblique, and acting as a suspension member between the guide and the lower door, when the lower door is open.

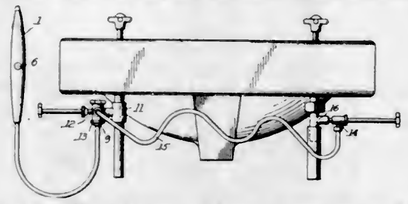
2,102,111

SYRINGE FOR COLD-HOT WATER SUPPLY

Henry Cleveland, Munksnas, Helsingfors, Finland

Application September 20, 1935, Serial No. 41,487
In Finland August 27, 1934
1 Claim. (Cl. 128—229)

In a syringe construction for cold and hot water supply systems, two T-coupling devices adapted to be permanently connected, the one with the cold water supply line, the other with the hot water supply line, a water supply regulator connected with each of said T-coupling devices, a mixing chamber adjacent to and connected with one of said water supply regulators, an extendible flexible piping connection between said mixing chamber and the other water supply regulator, in the connection between the water supply regulators, a back pressure valve adapted to prevent water of higher pressure from entering



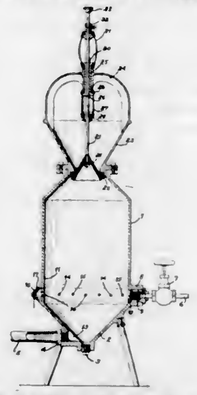
the water line system of lower pressure, and a syringe detachably connected with the mixing chamber and having a pencil-like nozzle with exchangeable ends, a shutting arrangement in said nozzle operated by finger-pressure, and after said shutting arrangement in the direction of the flow of water a receptacle for an antiseptic consisting of an excavation in said nozzle and divided into two spaces, namely a dissolving-space and a mixing-space, situated at the front thereof and provided with guide blades adapted to create a whirling effect.

2,102,112

POWDER LOADING DEVICE

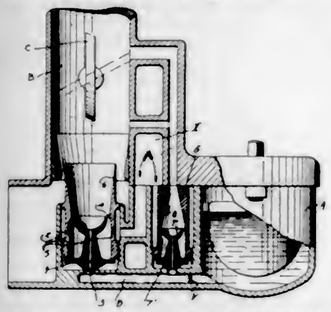
Joseph C. Costello, San Francisco, Calif.

Application September 3, 1935, Serial No. 38,993
2 Claims. (Cl. 86—21)



1. A powder loading device, having a cylindrical loading chamber, a blowing chamber disposed thereabout, a plurality of ports between said blowing and loading chambers, an intake valve surmounting said loading chamber, said valve comprising a soft, resilient, member having an inverted conical shape, a loading funnel fixed upon said loading chamber and having a soft, resilient, valve seat disposed therein so positioned as to seat said valve, a frame supported on said funnel, a sleeve supported thereon, a valve stem slidably positioned therein fixed to said valve, resilient means for positioning said stem vertically, and resilient closure members attached to said stem and said sleeve member.

2,102,113
CARBURETOR
Yesdimir Djordjevitch, Paris, France
Application October 24, 1935, Serial No. 46,620
In France October 24, 1934
6 Claims. (Cl. 261—75)



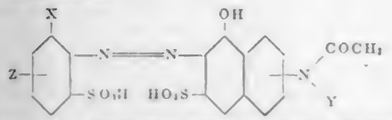
1. In an internal combustion engine, the combination with fuel admission means including a fuel supply, a butterfly type throttle valve and a passageway arranged anteriorly to the throttle valve and showing a frusto-conical portion, of a fuel atomizer arranged in said passageway and comprising a channelled stem and a solid cup-shaped part integral with said stem into which the channel in the stem opens and the wall of which is substantially hemispherical and has a thickness which decreases progressively down to substantially zero between the stem and the outer edge of the cup shaped part, said outer edge lying moreover very near and substantially in the plane of the extremity of the frustoconical portion of the passageway and facing unobstructedly the location of the periphery of the throttle valve when closed.

2,102,114
LACQUERS OF THE UREA RESIN TYPE
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application June 9, 1930, Serial No. 460,110
15 Claims. (Cl. 134—26)

1. A soluble resin of the urea type carried in a vehicle comprising a substantial proportion of an organic solvent.

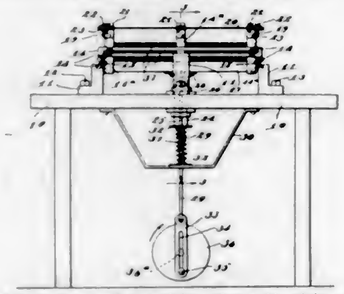
2,102,115
MONOAZODYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, and Erich Fischer, Bad Soden at the Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 7, 1934, Serial No. 734,202. In Germany, August 22, 1933
5 Claims. (Cl. 260—92)

1. Monoazodyestuffs corresponding to the general formula



wherein X is selected from the group consisting of hydrogen, methyl, methoxy and phenoxy, Y is selected from the group consisting of hydrogen and alkyl and Z is selected from the group consisting of hydrogen, halogen, methyl and acetylamino, which dyestuffs dye animal fibers bright and even yellowish orange to bluish red shades of a good fastness to light.

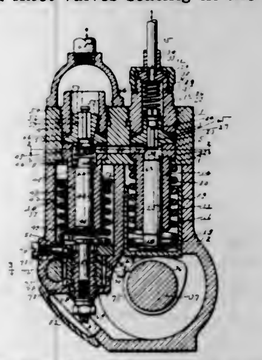
2,102,116
COTTON SETTING MACHINE
Robert Fox, Chelsea, Mass.
Application September 26, 1936, Serial No. 102,661
3 Claims. (Cl. 93—36)



1. An improved machine for attaching cotton padding to the covers of paper boxes comprising in combination, a base member comprising a table top upon which the said paper box covers are handled, horizontal gauge slide-ways mounted on said table top, said gauge slide-ways being adjustable, the side and end slide-way members being adjustable toward each other with the end and side slide-way members moving on said table top at ninety-degrees to each other, vertical guide members horizontally slidable and adjustably mounted on said slide-ways and means for securing the end vertical members in temporary positions for the accommodation of different size box covers, a feed platform located within the confines of said vertical gauges and adapted to move up and down carrying a plurality of sheets of cotton padding, a shaft located below said platform and attached thereto and guided in said table top and a brace member located below said table top, a compression spring located on said shaft below said table top and above said brace member and normally adapted to maintain said platform in an elevated position, a slotted link pivoted to said shaft and having a pivot pin engaging in said slot and being adapted to slide up and down in said slot, a disc connecting with said pin being adapted to rotate and permit said link to rise and fall as the said compression spring elevates said platform and said pin depresses said platform, shaft and link.

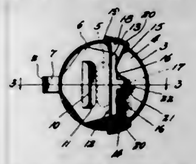
2,102,117
PUMP
Mark J. Goldberg, Muskegon Heights, Mich., assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich., a corporation of Michigan
Application July 13, 1936, Serial No. 90,277
2 Claims. (Cl. 103—37)

1. A fluid fuel pump for internal combustion engines, comprising: a housing consisting of detachably connected first and second members, said first member having first and second bores and said second member having third and fourth bores coaxial with the first and second bores respectively; a first cage and a second cage removably seated in the first and second bores and extending therethrough and into the third and fourth bores respectively and having coaxial therewith fifth and sixth bores respectively; removable plugs in the first and second bores respectively; valve seat members in the first and second bores removably held between the plugs and the ends of the cages respectively and having end portions removably seated in the fifth and sixth bores respectively; normally closed discharge and inlet valves seating in the valve seat



members in the first and second bores respectively; a pumping plunger reciprocatingly bearing in the fifth bore; an accumulator plunger reciprocatingly bearing in the sixth bore, said first member having a fluid fuel passage extending therethrough and connecting the fifth and sixth bores; and means for reciprocating the pumping plunger.

2,102,118
COMBINED CLOSURE AND POWDER EJECTOR
William C. Heatlie, Norwood, Mass.
Application February 4, 1937, Serial No. 124,091
10 Claims. (Cl. 221—62)

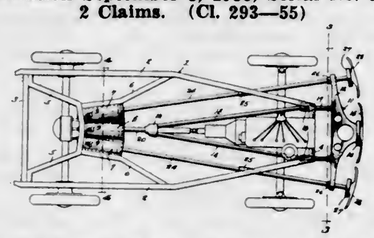


1. A head for a dispensing container having an end wall formed with a discharge opening, a closure plate for said discharge opening disposed against the inner face of the end wall and formed with an opening to register with the discharge opening of said wall, a feeder extending from said plate along its opening at the opposite side edge thereof from the opening in the wall, means for shifting said plate into position to dispose its opening in registry with the opening of the wall and move the feeder towards the opening in the wall for conveying contents of the container into position to pass through the registering opening of the wall and plate, and means for yieldably holding said plate in closing relation to the opening of the wall having a portion constituting a barrier cooperating with the feeder for directing material through the registering openings.

2,102,119
PROCESS OF PRODUCING A SLAG SOIL CONDITIONER
Lewis C. Henkel, Fairfield, Ala.
No Drawing. Application January 8, 1935, Serial No. 925
1 Claim. (Cl. 75—54)

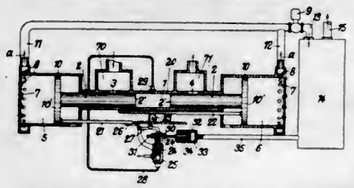
In the method of forming a phosphate containing slag adapted for use as a fertilizer which comprises dephosphorizing by means of a strongly basic oxidizing slag in a basic open hearth furnace a molten metal steel bath containing a sufficient amount of phosphorus to be capable of introducing sufficient phosphorus in the slag to make the same adapted for use as a fertilizer, the step of thinning the slag during the refining process in the furnace by additions of bauxite to the molten slag to render the phosphate compounds in the slag citrate soluble.

2,102,120
AUTOMOBILE BUMPER
Charles D. Hevenor, Buffalo, N. Y.
Application September 3, 1936, Serial No. 99,278
2 Claims. (Cl. 293—55)



2. In a device of the class described, a vehicle chassis comprising side rails, a bumper structure extended ahead of the chassis, and cushioning means yieldably resisting the rearward movement of the bumper structure, the cushioning means being located in and symmetrically with respect to the median longitudinal axis of the chassis, within the chassis and in widely-spaced relation to the side rails, and close to the rear end of the chassis, thereby to transform the thrust imposed upon the bumper structure, into a pull throughout the major forward portion of the chassis, the pull being exerted in the median longitudinal axis, and closely adjacent thereto, and far enough inwardly from the side rails, so that the forward end of the chassis will have a minimum tendency to swing laterally when the bumper structure receives impact.

2,102,121
FREE PISTON ENGINE
Hermann Jänicke, Dessau, Germany, assignor to Hugo Junkers, Dessau, Germany; Therese Junkers, née Bennhold, Gauting, Germany, administratrix of said Hugo Junkers, deceased
Application February 9, 1934, Serial No. 710,483
In Germany February 16, 1933
14 Claims. (Cl. 230—56)



7. A free piston motor compressor comprising a motor cylinder and a free motor piston arranged in this cylinder, a compressor chamber adjoining one end of said cylinder, a compressor piston arranged in this compressor chamber for reciprocation therein and fixed to said motor piston, a cavity communicating with said compressor chamber and adapted to be supplied with compressed air from said compressor chamber,

means for controlling the amount of fuel supplied to said cylinder in dependency on the pressure in said cavity, and automatic means for controlling the suction pressure in said compressor chamber in dependency from the pressure in said cavity.

2,102,122

FOUNDRY CORE AND DRY BINDER FOR THE PREPARATION THEREOF

Fred H. Lane, Hillsdale, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 12, 1936, Serial No. 95,706
5 Claims. (Cl. 22—188)

1. As a core binder, a mixture of soybean meal containing a vegetable oil, and a gasoline-insoluble, pine wood resin produced by extracting resinous wood with a coal tar hydrocarbon, removing said hydrocarbon by evaporation, extracting the residue with a petroleum hydrocarbon, and recovering a gasoline-insoluble resin.

2,102,123

WINDSHIELD

Walter Leveau, Newport News, Va., assignor to Horace E. Dodge Boat & Plane Corporation, New York, N. Y., a corporation of Delaware

Application December 24, 1930, Serial No. 504,458
6 Claims. (Cl. 9—1)



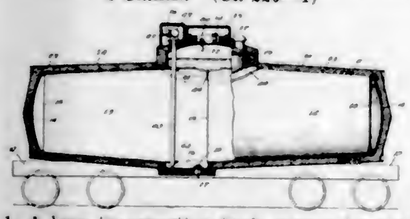
1. A wind-shield of the character described including a base member, a plurality of main shield sections separately hinged to the base member, and a side shield section hinged to each main section and operable for supporting the main section while in operative position.

2,102,124

TRANSPORTATION OF LIQUIDS

James Lithgow, Chicago, Ill.

Application May 10, 1934, Serial No. 725,001
4 Claims. (Cl. 220—1)



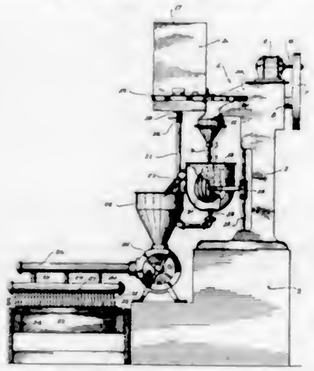
1. A beer transporting tank, means for rigidly securing the tank on a railway truck, said tank including a lining or inner surface of a material adapted to resist the reaction of the liquid contents, a dome at approximately the center of the tank and from which the body of the tank tapers in opposite directions to the ends thereof to prevent formation of air or gas pockets in the body thereof and to drain the contents to a central point in the bottom of the tank, the walls of the tank and dome being insulated to assist in maintaining the bulk of the liquid contents at a low temperature during transportation, a baffle plate at the bottom of the dome having a comparatively small central opening therein leading into the dome to limit surging of the liquid to the contents of the dome only; together with a filling and emptying valved pipe connecting with the tank at the lowest point of the bottom thereof, whereby the tank mounted rigidly on the railway truck facilitates the shipping of beer and similar carbonated liquids to distant points.

2,102,125

WHIPPING APPARATUS

Leon D. Mink, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application December 6, 1935, Serial No. 53,122
4 Claims. (Cl. 259—5)



1. A device for continuously whipping liquid materials which form to a stiff consistency, comprising a whipping bowl having an inlet at the base thereof and an outlet above the inlet, a rotary whipper having a planetary movement mounted to extend within the bowl in horizontal alignment with the outlet, and means for introducing the liquid material through the inlet in an uninterrupted stream to rise in contact with the whipper, the foam resulting from the whipping operation being raised relative to the outlet by the action of the incoming fluid and forcibly passed through said outlet by the planetary movement of the whipper.

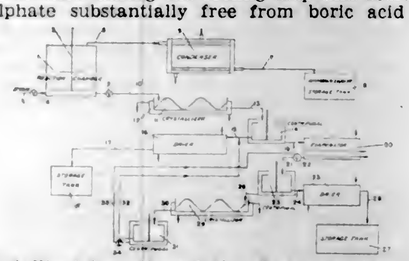
2,102,126

METHOD FOR PRODUCING AMMONIA AND BORIC ACID

John Merriam Peterson, Avondale, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application May 5, 1934, Serial No. 724,219
3 Claims. (Cl. 23—149)

1. The method of producing ammonia and boric acid which includes reacting borax and ammonium sulphate in aqueous solution, collecting evolved ammonia and separating boric acid from sodium sulphate produced by alternately cooling and heating the aqueous solution of the two salts and effecting partial evaporation of water during the cycle, whereby boric acid substantially free from sodium sulphate is crystallized from the solution during the cooling step and sodium sulphate substantially free from boric acid is



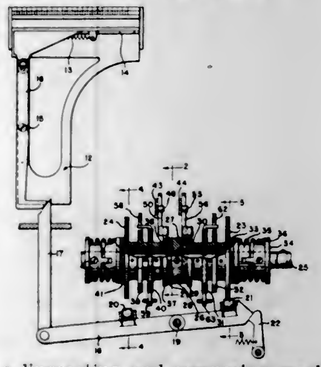
crystallized from the solution during the heating step.

2,102,127

DUPLEX RAIL SHIFT MECHANISM FOR LINE COMPOSING MACHINES

Louis M. Potts, Evanston, Ill., assignor, by mesne assignments, to Teletypesetter Corporation, a corporation of Delaware

Application August 19, 1936, Serial No. 96,735
25 Claims. (Cl. 199—29)



1. In a linecasting and composing machine, a control unit including a plurality of elements arranged to be set permutably, selectable bars controlled by said elements for performing auxiliary functions, an assembler elevator, a duplex rail therein, mechanism for operating said duplex rail comprising a member operative upon the operation of one of said selectable bars, means for holding said member in its operated position, and means responsive after a predetermined time interval following the operation of the selectable bar for utilizing the action of said member to effect the corresponding movement of said duplex rail.

2,102,128

WRAPPED ARTICLE

Harry H. Replogle, Scarsdale, and Schuyler N. Dalton, Huntington Terrace, N. Y., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

Original application November 15, 1934, Serial No. 753,110. Patent No. 2,081,152, dated May 25, 1937. Divided and this application September 26, 1936, Serial No. 102,702
3 Claims. (Cl. 229—89)

1. A tamperproof package comprising in combination, a container in the form of a bottle, a transparent flexible wrapper of non-fibrous sheet material tightly enclosing said container, said wrapper being sealed at the bottom of said container and the upper end being draped to conform to the neck of the container, and a shrinkable container closure positioned around the top



of the container and shrunk tightly over the draped end of the wrapper and due to its shrunken condition gripping and stretching the draped end of the wrapper.

2,102,129

ELECTRIC CABLE

Samuel J. Rosch, Yonkers, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application November 15, 1934, Serial No. 753,107
10 Claims. (Cl. 173—266)



1. An electric conducting cable comprising a conductor, wrappings of insulating tape about said conductor, impregnating fluid in said wrappings, a sheath enclosing said wrappings and conductor, and carbon black in position adjacent said conductor and in contact with said impregnating fluid.

2,102,130

OIL-SOLUBLE PHENOLIC RESIN AND PROCESS OF MAKING SAME

John B. Rust, Orange, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey

No Drawing. Application May 24, 1935, Serial No. 23,257
4 Claims. (Cl. 260—4)

1. The process of rendering an acid condensed permanently fusible phenolic-aldehyde normally oil-insoluble resin soluble in drying oil, which consists in heating said resin with successive portions of glyceride oil in the absence of other fluxing agents, the procedure being to heat the resin with the first portion of oil until a small sample withdrawn from the mixture cools to a clear bead, then adding another portion of oil to the resin and continuing the heating until a second small sample withdrawn from the mixture cools to a clear bead, and continuing this procedure until the minimum quantity of oil necessary to confer oil solubility of the resin has been incorporated in the resin, the thus oil solubilized resin being hard, brittle and light colored.

2,102,131

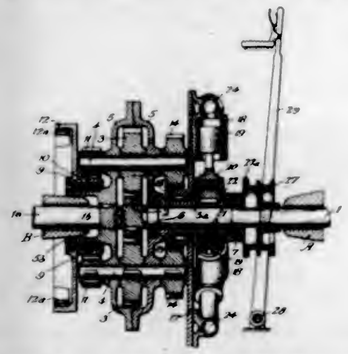
CHANGE SPEED MECHANISM

Franz Schmid, Lucerne, Switzerland

Application October 28, 1936, Serial No. 108,102
In Switzerland November 4, 1935
13 Claims. (Cl. 74—293)

1. In a change speed mechanism particularly for power vehicles, a drive shaft and a driven

shaft having a common axis, a planetary gear, a central wheel in said gear driven by said drive shaft, a box receiving said gear connected to said driven shaft, planetary wheels journaled in said box for cooperation with said driven central wheel, journal extensions on both sides of said planetary wheels, a further planetary wheel carried by each of said extensions, a brake controlled central wheel concentric with said axis for co-



operation with part of said further planetary wheels, a freely revoluble central wheel concentric with said axis for cooperation with the other part of said further planetary wheels, a pressure fluid pumping arrangement concentric with said axis for speed control of said freely revoluble central wheel, a pressure fluid circulation channel surrounding said axis and interconnecting the cylinder spaces of said arrangement, and throttle means for controlling said channel.

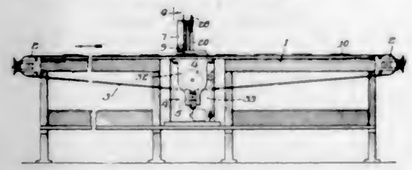
2,102,132

MACHINERY FOR MARKING HOSIERY OR OTHER ARTICLES

Albert H. Schmidtke, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a corporation of Michigan

Application March 14, 1936, Serial No. 68,824

17 Claims. (Cl. 101—41)



1. A machine for transferring successive markings or impressions from a strip or sheet to hosiery or other articles to be marked, comprising means for successively feeding the articles to be marked, to the marking position, means for feeding the strip or sheet to the marking position, in timed relation to the feeding of said articles, so that the articles will be successively marked, and manually controlled devices including a screw adjustment device having interengaging screw threaded members, means to hold one member against movement and thereby in fixed stationary position on the machine, preventing this member from having any motion, and means for manually rotating the other member in the fixed member, while the machine is in operation, for governing the relative feeding action, as between the feeding of the articles and the feeding of the strip or sheet, by in effect changing the speed of one of the two feeds, to any degree within the limits of said screw adjustment, thereby to insure the desired predetermined positioning of the marking on each article, by said screw adjustment, which latter is held by said stationary member against axial movement by the feeding means.

2,102,133

FIRE TOOL

Otto Henry Schoenberger, Long Beach, Calif.

Application April 6, 1936, Serial No. 72,862

1 Claim. (Cl. 7—14.1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



An attachment for a shovel blade, an ax bit having a cutting edge rigidly and removably attached to the extreme upper portion of said blade and extending laterally therefrom, said ax bit having a linear groove in its edge opposite the cutting edge and extending from the lower end of the ax bit to a point just short of the upper end of the bit, said groove being adapted to receive the upper portion of the shovel blade, the ax bit extending slightly above the shovel blade and the shovel blade and the ax bit having apertures in alignment with each other through their thicknesses adapted to receive a securing member.

2,102,134

FREEZING PROCESS FOR THE SEPARATION OF THE CONSTITUENTS OF LIQUIDS

Paul Schuftan, Munich, Germany

No Drawing. Application June 20, 1936, Serial No. 86,434. In Germany July 10, 1935

5 Claims. (Cl. 62—124)

1. Process which comprises subjecting a liquid which contains at least two constituents which freeze at different temperatures to a freezing operation by applying cold through a surface of a mass of the liquid until at least one constituent thereof in that portion of said mass adjacent said surface is solidified and that portion of the mass remote from said surface is still fluid, discontinuing the application of cold to said mass and completing the freezing of said one component of the liquid throughout the mass thereof by permitting temperature equalization to occur between that portion thereof adjacent said surface and said still fluid portion remote from said surface, at least one constituent of the liquid being left fluid by said freezing operation, and mechanically separating said frozen constituent from said fluid constituent.

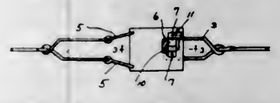
2,102,135

CHAIN COUPLING

John Seitzer, Clarkia, Idaho

Application April 13, 1937, Serial No. 136,661

2 Claims. (Cl. 24—116)



1. A coupling for securing the ends of a chain together comprising an elongated block-like coupling member having a longitudinal through slot therein for receiving one end of a link of a chain and a transverse slot bisecting the horizontal slot, a coupling bar having a hand grip end and a coupling end and swingably mounted on said block for manipulation to swing said coupling end into and out of said transverse slot and through said link, a latch cooperating with said hand grip end to block swinging movement of said coupling end out of said slot, said latch being pivotally mounted for snap action engagement with said hand grip end.

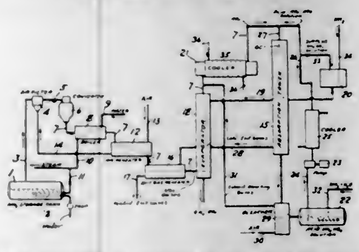
2,102,136

PROCESS AND APPARATUS FOR MANUFACTURING AMMONIUM NITRATE

James H. Shapleigh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application January 18, 1935, Serial No. 2,350

20 Claims. (Cl. 23—103)



1. The process of manufacturing an inorganic nitrate including catalytically oxidizing ammonia with air to form a mixture of nitric oxide and oxygen, cooling said mixture, effecting absorption of nitric oxides in a recirculating solution of the inorganic nitrate, and adding an alkali corresponding to the inorganic nitrate to the solution between the absorption passes thereof to react with nitric acid formed therein, the recirculating solution being maintained acid.

2,102,137

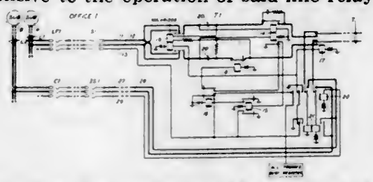
TELEPHONE SYSTEM

Arthur B. Sperry, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 25, 1936, Serial No. 87,184

6 Claims. (Cl. 179—16)

1. In a telephone system, a two-way trunk line, means at each end of said trunk for seizing said trunk on outgoing calls, a trunk relay at each end of said trunk, said relays being normally bridged across the conductors of said trunk for operation upon seizure of the trunk at the opposite end, a selector at one end of the trunk for use in completing calls incoming over said trunk, a line relay for said selector, a circuit closed by the operation of the trunk relay at said one end of the trunk for operating said line relay, and means responsive to the operation of said line relay for



transferring the conductors of said trunk from said trunk relay to said line relay.

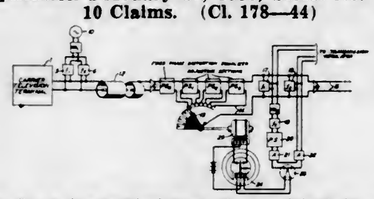
2,102,138

TRANSMISSION SYSTEM

Maurice E. Strieby, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1936, Serial No. 65,030

10 Claims. (Cl. 178—44)



4. In a transmission system subject to variations in phase distortion, means for transmitting over said system two pilot waves of different frequencies, and means responsive to variations in the relative velocities of propagation of said pilot waves.

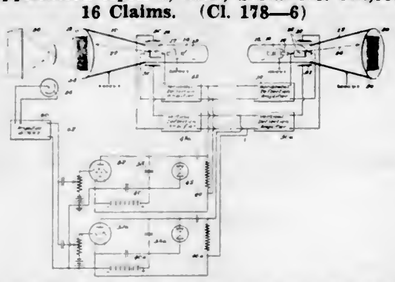
2,102,139

TELEVISION SYSTEM

Arthur W. Vance, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 2, 1932, Serial No. 602,651

16 Claims. (Cl. 178—6)



1. In the art of television, the method of operation which comprises developing a stream of electrons and directing the same at screen structure, deflecting said stream to cause the same to scan said structure, and varying the average speed of deflection in accordance with variations in conditions of light and shade from elemental areas of the object being televised.

2,102,140

SYSTEM AND APPARATUS FOR PUMPING HAZARDOUS LIQUIDS

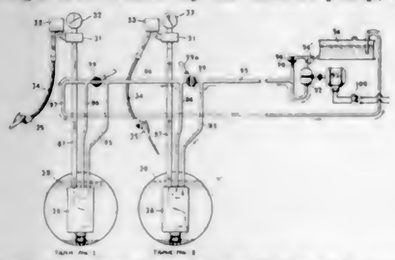
Gustave A. Ungar, Pelham Manor, N. Y.

Application May 11, 1933, Serial No. 670,426

18 Claims. (Cl. 221—95)

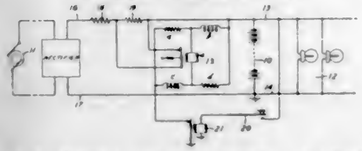
1. A pumping system for dangerous liquids comprising a master pump and connected conduit, a

remote motor-pump unit driven by liquid forced through the conduit by the master pump, and



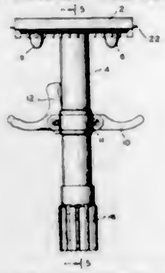
means for automatically disabling the master pump in case of a leak in the conduit.

2,102,141
BATTERY CHARGING SYSTEM
Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1935, Serial No. 12,576
4 Claims. (Cl. 171—314)



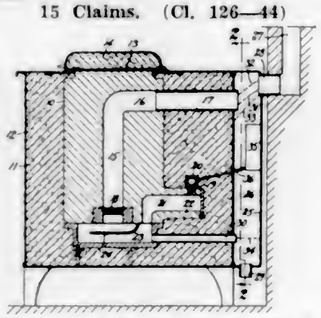
1. In a battery charging system, a battery, a source of current for charging said battery and means including a multi-winding relay for regulating the charging rate to said battery, said relay normally carrying, by way of one of its windings, a current of insufficient magnitude to cause its operation and the other windings constituting the four arms of a Wheatstone bridge circuit, certain thereof having positive temperature-resistance coefficients for causing the normal current carried by said one winding to vary coincidently with temperature variations.

2,102,142
SAFETY RAZOR
William E. Burnett, Ilion, N. Y.
Application October 22, 1936, Serial No. 106,966
6 Claims. (Cl. 30—41)



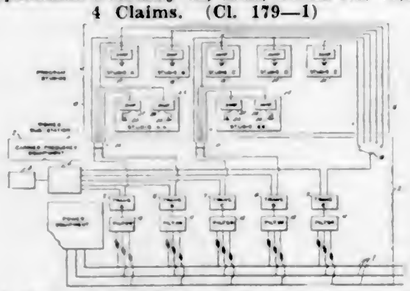
1. A safety razor comprising a handle having a guard secured thereon, a blade holder, a blade clamped between said blade holder and a member extending through said handle, said member having means thereon for cooperation with a latch member on said handle and means for resiliently holding said blade and blade holder in contact with said guard.

2,102,143
DRAFT REGULATION
Gustaf Dalén, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 2, 1933, Serial No. 659,301
Renewed August 14, 1936. In Sweden March 2, 1932
15 Claims. (Cl. 126—44)



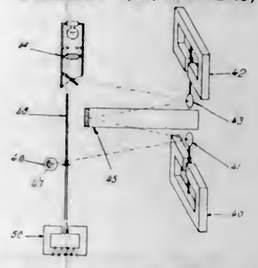
1. Fuel burning apparatus adapted to be operated with a natural draft chimney comprising means forming a chamber for air in communication with the chimney, a continuously open inlet for supplying air to the lower part of said chamber, means forming a combustion space and a flue for combustion gases connecting said space with the chimney, means for supplying fuel to said space and means for supplying substantially all of the combustion air required for burning the fuel in said space under all conditions of normal operation of the apparatus comprising a continuously open connection connecting said combustion space with said chamber at a place remote from the place of communication with the chimney and between the last mentioned place and said inlet, said chamber and said connection providing a continuously open path arranged to cause flue gases to flow from the chimney to said combustion space prior to flow thereof to said inlet upon continued back draft, and said chamber having such length and cross sectional area and configuration and being so arranged as to provide less resistance to flow of air therethrough than the resistance to flow of air and combustion gases through said connection, said combustion space and said flue.

2,102,144
BINAURAL PROGRAM SYSTEM
Robert D. Duncan, Jr., East Orange, N. J., assignor to Wired Radio, Inc., New York, N. Y., a corporation of Delaware
Application February 11, 1936, Serial No. 63,461
4 Claims. (Cl. 179—1)



1. An electrical transmission system comprising, a transmission medium comprising a commercial power network, means for transmitting over said medium a plurality of channels comprising modulated discrete frequency bands, program means including at least two pick-up devices spatially positioned with respect to each other for picking up waves respectively in different auditory aspects, said pick-up devices operating to individually operate through said channels, and a plurality of receiving stations operatively associated with said medium for the selective reception of carrier frequencies transmitted thereover, one of said receiving stations being provided with a plurality of receiving means for simultaneously receiving from said different channels, and translating units respectively connected with said receiving means and spatially positioned in correspondence with the position of said pick-up devices, and another of said receiving stations being provided with receiving means for the reception at any one time of signals transmitted over said medium through one of said channels, said receiving means including power operated devices and connections from said network for supplying commercial power as well as signalling energy to said means.

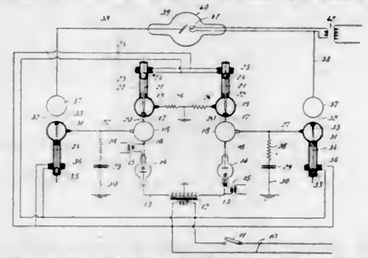
2,102,145
AUTOMATIC REGULATOR
Jean Fallou, Montrouge, France, assignor to Compagnie pour la Fabrication des Compteurs & Materiel d'Usines a Gaz, a corporation of France
Application August 3, 1935, Serial No. 34,639
In France August 4, 1934
4 Claims. (Cl. 250—41.5)



1. In a regulating system for an electric circuit, the combination of two distinct instruments for measuring different factors of said circuit, respectively, associated with said circuit, a photo-electric cell in said circuit adapted to control said circuit, and optical means, including a source of light, and an optical element associated with each of these measurement instruments, for controlling the action of a light beam on said photo-electric cell as a function of the respective values of both of the factors measured by said instruments.

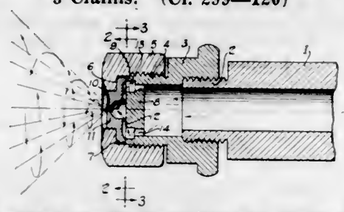
2,102,146
X-RAY APPARATUS
Harry D. Garretson, Long Island City, N. Y.
Application July 13, 1934, Serial No. 734,926
6 Claims. (Cl. 250—34)

1. In an X-ray circuit for making bucky radiographs, a transformer, an X-ray tube, a control switch for interrupting a source of current leading to the transformer, a pair of normally closed switches between the transformer and tube, a pair of normally open switches in said circuit, a pair of condensers, rectifying means between the transformer and condensers one plate of each condenser being connected to a contact of one of the closed switches and also to a contact of one of the open switches, the other plate of each of the condensers being grounded, the



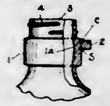
second contact of each of the closed switches being grounded and the second contact of each of the open switches being connected to the anode and cathode respectively of the X-ray tube.

2,102,147
ATOMIZER
Warren C. Graham, New York, N. Y.
Application March 15, 1937, Serial No. 130,877
5 Claims. (Cl. 299—120)



1. A spray nozzle comprising in combination, a sprayer tip having an orifice and tangential slots communicating therewith, a whirl chamber behind the sprayer tip and communicating with the slots, and means for delivering whirling liquid to said whirl chamber.

2,102,148
BOTTLE
James M. Guthrie, Pittsburgh, Pa., assignor of one-third to Joseph C. Keaney, Mount Lebanon, Pa.
Application December 2, 1935, Serial No. 52,473
3 Claims. (Cl. 215—7)

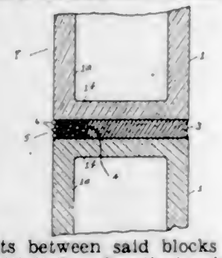


1. A glass bottle including a frangible lug integrally formed on its neck and extending angularly therefrom for cooperation with a closure element, said lug being substantially unconstricted in the immediate region of its base and forming with the surface of the bottle neck a clean unfilleted corner, and a surface scoring in the glass in said corner, whereby the lug, when fractured, breaks on a clean conchoidal surface lying within the surface of the normal lug-supporting body portion of said neck.

2,102,149
GLASS MASONRY
James M. Guthrie, Mount Lebanon, Pa., assignor of one-half to Joseph C. Keaney, Mount Lebanon, Pa.
Application April 22, 1937, Serial No. 138,392
5 Claims. (Cl. 72—41)

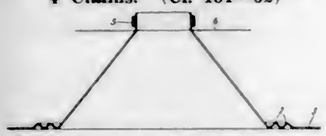
1. A building wall of masonry including trans-

lucent blocks of glass laid-up with mortar comprising small, translucent crystalline bodies bonded with a translucent cement, said mortar



in the joints between said blocks providing in effect a multiplicity of optical prisms receiving light transmitted through the bodies of said blocks.

2,102,150
DIAPHRAGM
Arthur Hammer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 26, 1935, Serial No. 56,140
In Germany November 6, 1934
4 Claims. (Cl. 181—32)



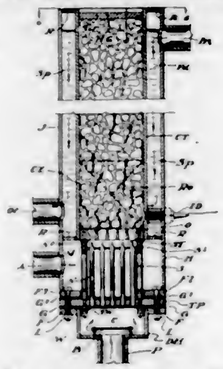
1. A diaphragm for acoustic devices made from mouldable fibrous material which has been treated with an albuminous solution.

2,102,151
METHOD OF MANUFACTURING METALLIC SODIUM
Ryosaburo Hara and Suyekichi Abe, Sendai, Japan, assignors to Asahi Garasu Kabushiki Kaisha, Tokyo, Japan, a corporation of Japan
No Drawing. Application July 23, 1935, Serial No. 32,721
2 Claims. (Cl. 204—1)

1. A method of manufacturing metallic sodium which consists, in combination, in dissolving sodium chloride in liquid ammonia and electrolyzing the solution, utilizing a permeable (or semi-permeable) inorganic diaphragm and a metallic cathode of the group consisting of Al, Mg, Cd, Sn, Zn and amalgamated zinc catalytically accelerate the formation of sodium amide which tend to take place between the metallic sodium and liquid ammonia, and evaporating the indigo blue catholyte after being separated from the anolyte, to liberate metallic sodium having a bright metallic lustre.

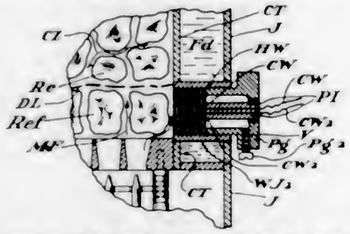
2,102,152
PREMIXING DEVICE FOR FLUID FUEL BURNERS
Joseph W. Hays, Tulsa, Okla.
Application January 25, 1933, Serial No. 653,468
5 Claims. (Cl. 158—118)

1. In a device for delivering a combustible mixture of a fuel and combustion-supporting gas to a furnace chamber containing an apertured refractory mass, the combination of a plurality of fuel injecting nozzles directed into the furnace adjacent said refractory mass, means for supplying fuel under pressure to said nozzles, means for directing a combustion-supporting gas into the furnace chamber adjacent the nozzles, whereby



the fuel and the combustion-supporting gas impinge upon the refractory mass and are thoroughly mixed and means for igniting the mixture initially at the point of mixture.

2,102,153
IGNITION APPARATUS FOR CLOSED-SYSTEM FLUENT-COMBUSTIBLE BURNERS
Joseph W. Hays, Tulsa, Okla.
Application March 18, 1933, Serial No. 661,627
8 Claims. (Cl. 158—99)

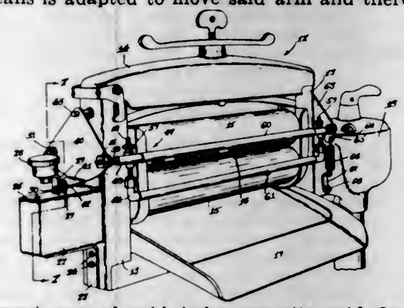


1. A heater, adapted to burn a fluent explosive mixture, comprising a combustion chamber, a refractory catalyst in said combustion chamber, means for supplying an explosive mixture to said combustion chamber, a recessed housing opening into said combustion chamber, a vent from said housing to the outside air, a movable stopper in said vent, and a hot wire igniting element in said housing.

2,102,154
SAFETY DEVICE FOR WRINGERS
Ernest C. Hill, Medford, Mass.
Application August 15, 1935, Serial No. 36,289
5 Claims. (Cl. 192—133)

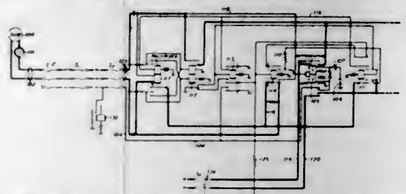
1. A safety device comprising movable lever means embodying an arm extending outwardly and having a plurality of holes therein, spring means connected to and adapted to hold said lever means in a predetermined position, electrical switching instrumentalities embodying a finger adapted upon actuation to open and close said instrumentalities and adapted to enter said holes, and a spring operatively connected to said finger, said finger bearing against the under side of said arm between said holes under tension of said spring when said lever means is in said predetermined position, and guard means connected

to said lever means movement of which guard means is adapted to move said arm and thereby



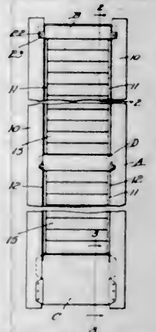
present one of said holes opposite said finger whereby said finger may enter said hole.

2,102,155
TELEPHONE SYSTEM
Henry Hovland, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 25, 1936, Serial No. 87,194
7 Claims. (Cl. 179—16)



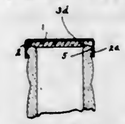
1. In a telephone system, a trunk circuit, means for seizing said circuit at either end, a guard circuit including one of the conductors of said trunk closed by said seizing means upon the seizure of one end of said trunk, and a relay in said guard circuit at the other end of said trunk having a contact for placing a busy condition upon said trunk at said other end.

2,102,156
WINDOW SHUTTER
Frank Kalb, Sr., Baltimore, Md.
Application June 2, 1937, Serial No. 146,056
1 Claim. (Cl. 20—63)



A shutter of the kind described comprising spaced longitudinally disposed parallel rails and outer and intermediate cross connecting members between the said rails and each formed from a blank of sheet material bent to provide an intermediate diagonally disposed web with reversely arranged horizontal upper and lower ledges having inturned ears at opposite ends of the latter at right angles thereto for separable fastening to said rails, and reversely bent triangular portions at opposite ends of the webs with attaching ears overlapping said rails at opposite sides thereof and separably secured thereto.

2,102,157
BOTTLE CLOSURE
Joseph C. Keaney, Mount Lebanon, and James M. Guthrie, Pittsburgh, Pa.
Application July 22, 1936, Serial No. 91,898
4 Claims. (Cl. 215—56)



1. A crown cap including a compressible gasket adapted to be secured in gas-sealing position upon the mouth of a bottle, said gasket as assembled in said cap including in its body a gas-venting recess which in service is normally sealed from the interior of said bottle and adapted automatically to communicate with the interior of said bottle in response to excessive pressure therein, substantially as described.

2,102,158
BOTTLE CLOSURE
Joseph C. Keaney, Mount Lebanon, and James M. Guthrie, Pittsburgh, Pa.
Original application July 22, 1936, Serial No. 91,898. Divided and this application January 25, 1937, Serial No. 122,104
5 Claims. (Cl. 215—56)



1. In combination with a bottle containing liquid under gaseous pressure, a crown closure secured upon and sealing the mouth of said bottle, said closure comprising a metal cap with a skirt portion for clinching the cap in assembly upon the lip of said bottle mouth, said cap including a gasket portion of compressible material peripherally compressed against said bottle lip, a recess provided in the assembled closure structure, a normally open passage for the escape of air from said recess to the outer atmosphere, and a normally impervious diaphragm portion secured in gas-sealing position between said recess and the interior of said bottle, the body of said normally impervious diaphragm portion being formed of relatively inelastic, rupturable material and including a medial body portion movable relatively to said compressed gasket and into diaphragm-rupturing position in said recess in response to excessive pressure within said bottle, whereby said gasket automatically ruptures and relieves pressure within the bottle.

2,102,159
PROCESS OF PRODUCING ACETIC ANHYDRIDE
Martin Mugdan and Johann Sixt, Munich, Germany, assignors to Consortium für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application November 11, 1935, Serial No. 49,253. In Germany November 13, 1934
7 Claims. (Cl. 260—123)

1. The process for producing acetic anhydride, which comprises heating acetic acid at a tem-

perature above 800° C. in the presence of a phosphorus-containing catalyst gaseous at the reaction temperature and maintained under reaction conditions so that the catalyst is substantially all in the gaseous state.

2,102,160

PROCESS FOR THE PRODUCTION OF FORMALDEHYDE FROM METHANE

Paul Nashan, Oberhausen, Germany, assignor to the firm Gutehoffnungshutte Oberhausen Aktiengesellschaft, Oberhausen - Rheinland, Germany

No Drawing. Application March 15, 1934, Serial No. 715,697. In Germany March 15, 1933

1 Claim. (Cl. 260—138)

In the production of formaldehyde from methane by the action of oxygen, the process which comprises passing a gaseous reaction mixture containing methane and oxygen together with nitrogen oxides in amount less than 1 per cent by volume, calculated as NO, serving as gaseous catalysts, at a temperature of 600° to 700° C., over a hot oxidation-controlling catalyst mixture comprising an alkaline earth metal oxide in conjunction with a metal oxide catalyst which, when used alone, accelerates oxidation of methane, said mixture serving to prevent substantial oxidation of the formaldehyde into undesirable products at the stated high temperature, and recovering formaldehyde from the effluent gases.

2,102,161

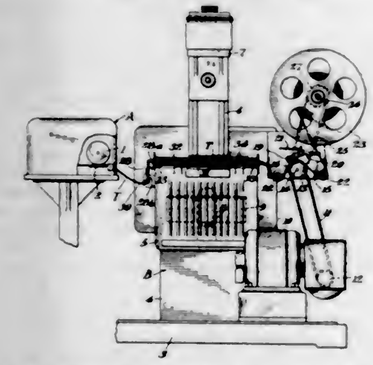
PROJECTION APPARATUS

David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, a corporation of Delaware

Application August 12, 1932, Serial No. 628,529

Renewed May 13, 1937

3 Claims. (Cl. 88—24)



1. A structure forming a projection field through which a character-bearing tape is drawn after ejection from a printing mechanism, said structure comprising members spaced apart to form a path therebetween for the passage of said tape, and a rib immovably fixed to and projecting from one of said members toward the other member, said rib extending longitudinally of said one member and being disposed substantially at the center thereof so as to be adapted to engage the tape substantially at its longitudinal center and hold the tape toward said other member, said structure being transparent to light throughout substantially the entire length thereof.

2,102,162

METHOD OF PRODUCING ETCHED SURFACED SHELLS AND CASINGS

Albert Nierenberg, New York, N. Y.

Application February 21, 1936, Serial No. 65,073

5 Claims. (Cl. 41—18)



2. A method of producing deep drawn surface etched shells, or the like, comprising printing a design on a sheet, applying a protective coating to the design, etching out the surfaces not involved in the design, applying a flexible enamel background coating to the surface of the sheet, including the protected design and the etched out portion thereof, deep drawing the sheet to impart a shell formation thereto, superimposing a coating of hard enamel over that of flexible enamel, and removing the coating and protective material from the protected design, and thereafter plating or otherwise treating that portion of the shell surface not incorporating the enamel background.

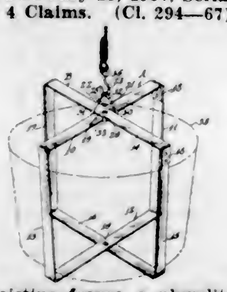
2,102,163

COLLAPSIBLE HOISTING FRAME

Henry A. Pasternack, Brooklyn, N. Y., assignor to David Levow, New York, N. Y.

Application February 18, 1937, Serial No. 126,342

4 Claims. (Cl. 294—67)



1. In a hoisting frame, a plurality of support members capable of nesting one within the other, means for mounting said members to permit angular displacement thereof to form an enclosing cage, and means adapted to be positioned at the respective apices defined by the support members when disposed in angular relationship, for rigidly locking the supports and maintaining said enclosing cage formation.

2,102,164

HEAT INSULATED RECEPTACLE

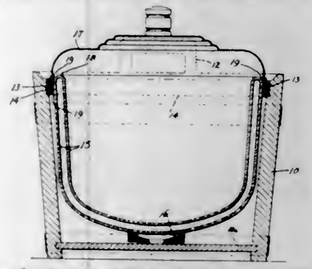
Arthur H. Payson and Charles O. Duevel, Jr., Norwich, Conn., assignors to The American Thermos Bottle Company, Norwich, Conn., a corporation of Ohio

Application July 27, 1935, Serial No. 33,544

4 Claims. (Cl. 220—15)

1. A heat-insulated receptacle comprising a substantially tub-shaped outer casing having an annular groove at the top, a substantially tub-shaped double-walled container in said casing, there being a narrow annular space between the adjacent walls of the casing and container, a compressed rubber gasket seated in said groove and having a flat inner surface shaped to engage the top of said container in pressure contact sufficient to hold the container firmly suspended in the casing, the vertical depth of said gasket being greater than its horizontal thickness so as to engage the container along a relatively wide

contact area for securely supporting the container, said rubber gasket being cemented in its compressed state to said container along the annular area of contact, whereby the container is permanently sealed to the gasket and locked against axial displacement in the casing, the circular top of the container being substantially flush with or projecting only slightly above the



gasket, which is positioned to form a closure for the top of said annular space, and a compressible stop at the bottom of the casing to engage the bottom of the container and thereby gauge the space between the bottoms of the container and the outer casing, said gasket supporting the container in the casing independently of said stop.

2,102,165

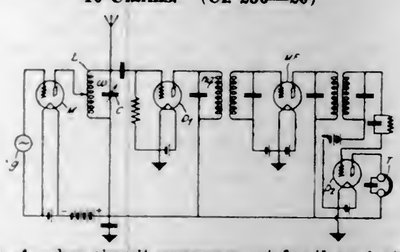
RADIO CIRCUITS

Klaas Posthumus, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

Application December 8, 1933, Serial No. 701,434

In Germany December 12, 1932

10 Claims. (Cl. 250—20)



1. A relay circuit arrangement for the selective reception of electrical oscillations comprising a tuned input circuit for said relay, means for periodically varying the damping of said tuned circuit and a filter circuit for a multiple of the damping frequency connected in the output of the relay.

2,102,166

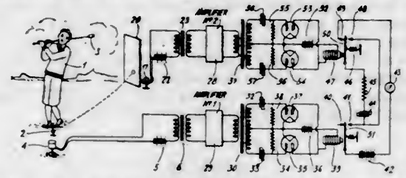
VELOCITY MEASURING DEVICE

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 25, 1933, Serial No. 658,654

3 Claims. (Cl. 161—18)

1. In an internal measuring device, a pick-up means responsive to energy waves, a circuit including at least one electronic device coupled to the pick-up means, a relay associated with said circuit, a condenser, a charging circuit for said condenser, means controlled by the relay for initiating a charging action on the condenser, a second pick-up means responsive to energy waves, a circuit including at least one electronic device coupled to the last named pick-up means, a relay associated with the last named circuit, means controlled by said last named relay for stopping the charging action on said condenser and discharging the same and means for indicating the



extent of the charge placed on the condenser comprising a ballistic galvanometer having a relatively slow period connected in the condenser charging circuit and adapted to measure the extent of the charge placed on the condenser.

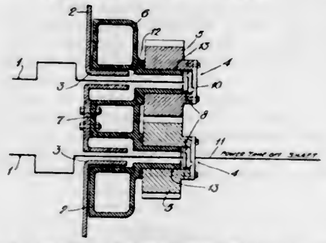
2,102,167

GEAR DRIVE

Max Rotter, Milwaukee, Wis., assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo., a corporation of Missouri

Application July 31, 1936, Serial No. 93,537

4 Claims. (Cl. 74—411)



1. In a gear drive, the combination of twin shafts journalled in a common frame, a toothed gear wheel aligned with and flexibly connected to each of said shafts, a supplemental frame on which said wheels are journalled, said frame being secured to the main frame at a point intermediate of said shafts and wheels, and each being free to expand independently of the other in opposite directions from said point and said wheels having an expansion coefficient corresponding to that of the supplemental frame adapted to neutralize the effect of its expansion.

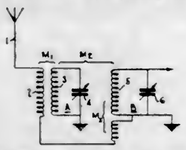
2,102,168

RADIO RECEIVING SET

Stuart W. Seeley and Garrard Mountjoy, Jackson, Mich., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 29, 1932, Serial No. 589,596

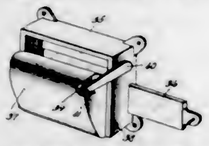
8 Claims. (Cl. 250—20)



1. In superheterodyne receiving sets, a source of signal frequency, an oscillator adapted to beat with the signal frequency derived from said source, an inductance-capacity loop tuned to the

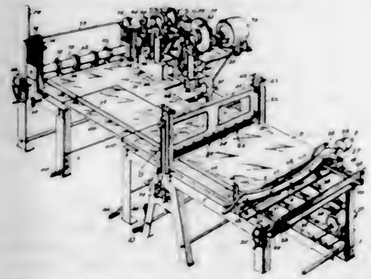
signal frequency, a detector having means to connect it across points in said loop, there being a magnetic coupling between said source and said loop and a capacitatively reactive circuit coupled between the signal source and said loop having a capacitative reactance value that produces across said points a voltage of the image of said signal frequency equal in value and opposite in phase to the image voltage produced thereacross through said magnetic coupling to prevent the beating action between the oscillator and image frequencies from affecting the detector.

2,102,169
CASHIER'S PROTECTOR
Ludwig R. Städtler, New York, N. Y., assignor of one-half to Leonard Quent, Brooklyn, N. Y.
Application December 21, 1935, Serial No. 55,504
1 Claim. (Cl. 20—1.01)



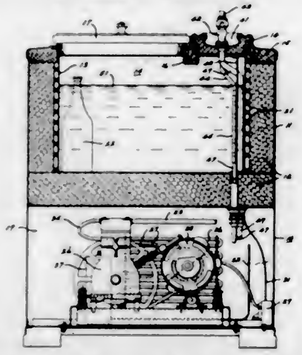
In a protective device for a cashier's room having a customers' compartment adjacent and an impregnable wall therebetween provided with a window having a frame, a convexly curved impregnable shutter pivoted at its lower edge to said frame, a lever pivoted to said frame near its upper part, a roll carried by said lever to contact said shutter whereby it may be swung upwardly to close the window space, a handle on said lever, all of said elements extending into the cashier's room and a metal slide movable to close the window.

2,102,170
PAPER MACHINERY
Isaac Stern, New York, N. Y.
Application November 17, 1934, Serial No. 753,441
4 Claims. (Cl. 164—11)



1. In combination in a unitary structure, a scorer for engaging a sheet of blank material; a source of power; eccentric straps for translating the power from said source to said scorer for scoring said sheet of material; a metal pair of vertical guides for guiding said scorer in a vertical path; a plurality of rotary scorers; means for applying power from said source to said scorers for producing flap scores; a plurality of rotary trimmers; means for supplying power to said trimmers for trimming said sheets of material; adjustable block and cut-out means; separate power means therefor; and means for controlling the application of power thereto for blocking and cutting said blanks.

2,102,171
REFRIGERATING APPARATUS
Bernard J. Vandoren, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application February 24, 1936, Serial No. 65,323
1 Claim. (Cl. 62—141)

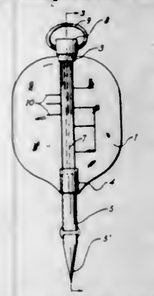


A unitary refrigerating apparatus comprising in combination, a cabinet having a plurality of walls forming an insulated compartment for the reception of articles to be stored and cooled and a machine compartment below the insulated compartment, a closed refrigerating system associated with said apparatus including an evaporator disposed in heat exchange relation with the interior of said insulated compartment and a refrigerant liquefying and circulating unit mounted in the machine compartment of said cabinet, the top wall of said insulated compartment including a detachable portion stationarily secured to said cabinet and a movable portion, said movable portion of said compartment top wall forming a door providing access to the interior of the insulated compartment, a beverage dispensing device associated with said apparatus, said device including a relatively flat closed fluid conducting portion disposed within said insulated compartment along a side wall thereof and attached to the stationarily mounted detachable portion of the compartment top wall, a conduit connecting said portion of said device with a source of fluid supply exteriorly of said insulated compartment, a faucet mounted exteriorly of the insulated compartment on the stationarily mounted detachable portion of the top wall thereof and having a conduit connection with said portion of said device within the compartment, and said insulated compartment having a body of liquid therein for transferring heat from said portion of said beverage dispensing device and from articles stored within the compartment to said evaporator of the refrigerating system.

2,102,172
THERMOMETER
Ralph C. Wappner, Springfield, Ohio
Application November 13, 1936, Serial No. 110,693
3 Claims. (Cl. 73—352)

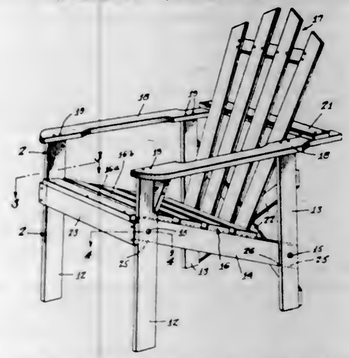
2. In a thermometer, a substantially flat enlarged head having a vertically extending open-front channel, a hollow sleeve at the lower end of said head communicating with said channel, a hollow boss at the upper end of said head also communicating with said channel, a tubular elongated closed casing secured in the bore of said sleeve with a tight drive fit, a thermometer tube located in said channel and said casing, said

head extending laterally of said channel to provide spaces for temperature indicia, and a cap



secured to the exterior of said bore with a tight drive fit.

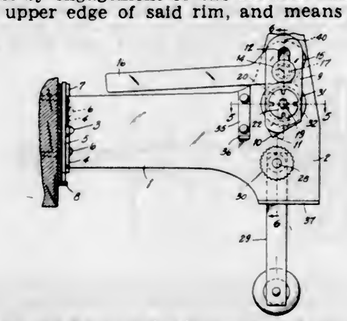
2,102,173
CHAIR
Roy H. Williams, Taunton, Mass.
Application March 1, 1937, Serial No. 128,302
3 Claims. (Cl. 155—191)



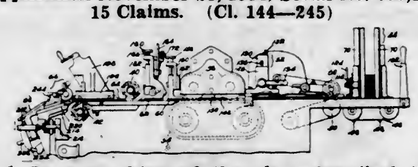
3. A chair comprising two front legs and two rear legs with bars extending between the front and rear legs and to the front edges of the front legs, and a reinforcing piece extending between said front legs and having rebated extremities into each of which a front leg and the extremity of one said bars secured thereto, is fitted, said bars extending diagonally downward from the respective front legs to the rear legs and fitted in diagonal recesses formed in the inner sides of said front and rear legs.

2,102,174
CAN OPENER
Walter E. Aeschbach, St. Louis, Mo.
Application June 15, 1936, Serial No. 85,292
9 Claims. (Cl. 30—8)

1. In a can opener, in combination with a support, a driving wheel rotatably mounted in fixed position directly thereon, a cutter slidably mounted on the support, a friction wheel, positioned above said driving wheel, and a contact member carried by the cutter, a handle-operated cam pivotally mounted on said support and adapted to be turned into engagement with said contact member to force said cutter and friction wheel downward, whereby a can having its rim inserted between the two wheels will be punctured by the cutter and have the under side of its rim forced into engagement with said driving wheel by engagement of the friction wheel with the upper edge of said rim, and means for rotating said driving wheel to cause it to rotate the top of the can against said cutter.



2,102,175
MOLDER
Laurence E. Blood, Newton, Mass., assignor to S. A. Woods Machine Company, Boston, Mass., a corporation of Massachusetts
Application November 28, 1934, Serial No. 755,185
15 Claims. (Cl. 144—245)



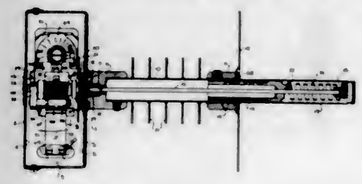
1. In a machine of the class described the mechanism for separating successive pieces of stock from a supply and advancing them for delivery to the molding mechanism proper comprising a hopper, rails beneath and constituting a bottom for the hopper at either side thereof, fences above said rails, the front of the hopper at the bottom being separated from the fences by spaces, a chain having a run between the rails, and feed dogs carried by the chain having ends overlying the rails to move through said spaces.

14. A machine of the class described comprising successive upper and lower cutter heads for operating on the faces of the stock, substantially continuous longitudinal supporting rails to underlie the lateral edges of the stock and extending substantially to the lower head, means for supporting a stack of work pieces between said rails including fences disposed over said rails and presented to the leading edge of the work pieces adjacent their outer margins solely, defining an exit opening controlling the delivery of the pieces therethrough by the edge portions thereof means operating above said rails and between the rails and said fences, respectively, for delivering successively lowermost pieces of the pile through the opening, and subsequent feeding means for engaging the central portion of the pieces as supported by the rails for forwarding the same from said delivery means in an end-butted row to the cutter heads.

2,102,176
CONTROL MEANS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application May 26, 1934, Serial No. 727,779
21 Claims. (Cl. 200—138)

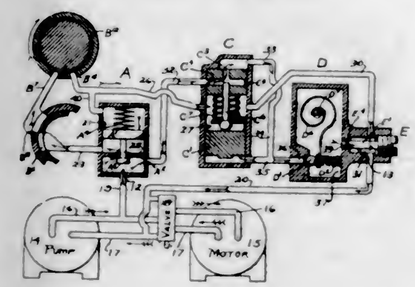
1. A device of the character described, comprising a supporting structure, an operating

shaft journaled in said structure, means to rotate said shaft, control means carried by said structure and including an operating lever, an operating arm journaled about said shaft and



intermediate its ends for transmitting movement to said lever, resilient means carrying said lever and opposing movement of said lever in one direction, and a spring operatively connecting said shaft and said arm.

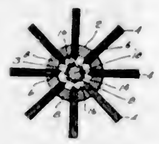
2,102,177
SPEED CONTROLLER FOR HYDRAULIC MOTORS
James K. Douglas, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 24, 1934, Serial No. 758,966
14 Claims. (Cl. 60—52)



1. The combination, with a hydraulic motor, a pump normally delivering motive liquid at a rate in excess of the rate required to drive said motor at a predetermined speed, a pressure channel for directing motive liquid from said pump to said motor and a return channel for directing exhaust liquid from said pump to said motor, of a slip compensator connected between said pressure channel and said return channel and comprising means for subtracting liquid from the output of said pump at a limited rate and responsive to variations in pump pressure to vary said limited rate inversely to said variations in pressure, and a second means connected in parallel with the aforesaid means for subtracting liquid from the output of said pump at a limited volumetric rate and responsive to variations in the temperature of the liquid delivered by said pump to vary said volumetric rate inversely to said variations in temperature.

2,102,178
BRUSH
Charles C. Gerhardt, Douglas Manor, N. Y.
Application May 29, 1931, Serial No. 540,925
4 Claims. (Cl. 15—183)

1. A rotary wire brush comprising a brush body having an open center, slots extending lengthwise of said body and connecting the periphery with said open center, tufts of U-shaped bristles contiguous in said slots from end to end, each bristle having one leg of its U in one slot and the other

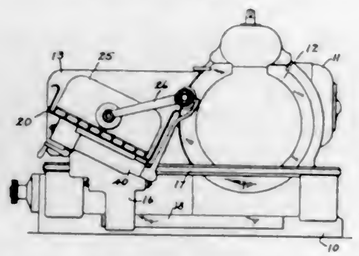


leg in another slot and adjacent bristles of each tuft being connected at their U bends independently of the brush body.

2,102,179
POLYMERIZATION PRODUCTS FROM STYRENE AND THEIR PRODUCTION
Heinrich Hopff, Ludwigshafen-on-the-Rhine, and Fritz Schmidt, Troisdorf, near Cologne, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 9, 1936, Serial No. 84,302. In Germany June 19, 1935
5 Claims. (Cl. 260—2)

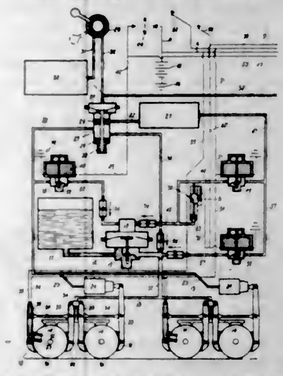
1. A process of producing polymerization products from styrene which comprises subjecting styrene together with from 0.5 to 5 per cent of a polymerizable aliphatic nitrile selected from the group consisting of acrylic acid nitrile and methacrylic acid nitrile to polymerization.

2,102,180
FOOD HANDLING APPARATUS
Herbert L. Johnston, Troy, Ohio, assignor to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio
Application February 23, 1934, Serial No. 712,580
13 Claims. (Cl. 146—102)



1. A slicing machine of the character described comprising a rotary knife, a carriage for holding the material to be sliced, means for mounting the carriage for reciprocating movement with respect to said knife, a pusher plate, means for mounting said pusher plate for swinging movement into and out of said carriage and for movement toward and away from said knife from a position at the remote end of said carriage into a position in close juxtaposition to the plane of said knife, torsional spring means mounted in a protected and substantially enclosed position beneath the plane of said carriage and means pivotally mounted on said carriage interconnecting said spring means and said pusher plate mounting means and operable throughout the range of movement of said pusher plate for urging said pusher plate toward said knife.

2,102,181
WHEEL COOLING APPARATUS
George McCormick, Redwood City, Calif.
Application December 14, 1936, Serial No. 115,794
12 Claims. (Cl. 188—264)



1. In a railway vehicle having an air operated brake and a valve for controlling the supply of air thereto, means for cooling the wheels of the vehicle comprising a pipe for conducting cooling fluid to said wheels, a valve in said pipe, means for operating said valve by air pressure, a connection between the brake controlling valve and the operating means of the cooling fluid valve, whereby said cooling fluid valve is automatically operated simultaneously with the brake, and a second connection between said brake valve and said cooling fluid pipe whereby air is admitted to said pipe to eject the cooling fluid therefrom after the closing of said cooling fluid valve.

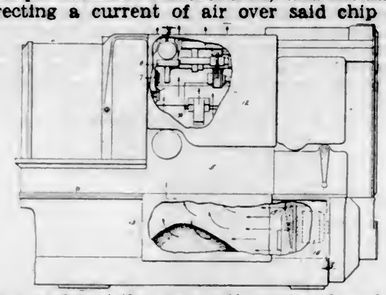
2,102,182
REFRIGERATOR CAR
John H. McCormick, Williamsport, Pa.
Application February 6, 1936, Serial No. 62,613
7 Claims. (Cl. 62—24)



3. In a refrigerator car having a storage compartment and an ice bunker therein, a pair of fans for circulating cooling air in the storage compartment, means for driving the fans actuated by a movement of the car, the blades of one of said fans being so disposed with respect to the blades of the other fan that one fan may discharge air into said compartment while the other fan is substantially idly rotating, said driving means operable to actuate the fans to produce an effective discharge of air regardless of the direction of movement of the car.

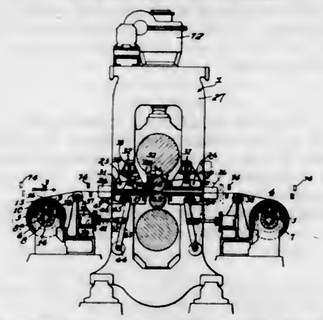
2,102,183
METALWORKING MACHINE
Donald H. Montgomery, Berlin, Conn., assignor, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application November 18, 1933, Serial No. 698,612
4 Claims. (Cl. 29—57)

1. A metal working machine, comprising a frame, relatively movable work and tool holders, a chip container therebeneath, and means for directing a current of air over said chip con-



tainer and past the space adjacent said work and tool holders.

2,102,184
METHOD AND APPARATUS FOR ROLLING METALLIC STRIP
Julian E. Montgomery, Cleveland, Ohio, and John T. Flaherty, Pittsburgh, Pa., assignors to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1935, Serial No. 41,460
18 Claims. (Cl. 80—43)

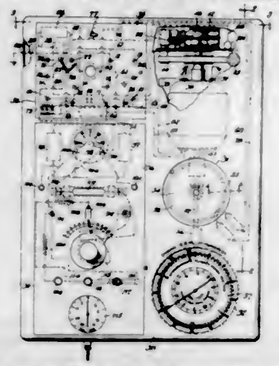


1. A strip mill comprising a roll stand, means for driving said roll stand in opposite directions, means at opposite sides of said stand for handling the strip and tensioning it while it is engaged in the roll stand, means interposed between said handling means and the roll stand and operative adjacent the roll pass thereof for gripping the strip and positively feeding it into the mill rolls and tensioning it as soon as it is engaged therein, and means for moving said gripping and tensioning means toward and from the roll stand.

2,102,185
APPARATUS FOR THE ANALYTICAL TESTING OF INTERNAL COMBUSTION ENGINES
John D. Morgan, South Orange, N. J., and Percy Bigmore Levitt, Bayside, N. Y., assignors to Powers Patents Company, Jersey City, N. J., a corporation of Maine
Application September 6, 1935, Serial No. 39,366
3 Claims. (Cl. 175—183)

1. A testing apparatus for analyzing the operation of internal combustion engine parts comprising a disc having a translucent peripheral portion, an electric lamp disposed adjacent the periphery of said disc so that its illumination may be observed through the translucent portion of said disc, motor means for causing a relative

movement between the disc and lamp, electrical means connecting said lamp to the engine in such a manner that it is periodically energized in accordance with the speed of the engine, dial means operatively associated with said first named means for indicating the rate of relative move-



ment between said disc and lamp, and a second lamp arranged to be periodically energized by impulses in accordance with the speed of said motor means, and provided with flexible leads whereby the lamp may be utilized to stroboscopically analyze the action of the component parts of the combustion engine.

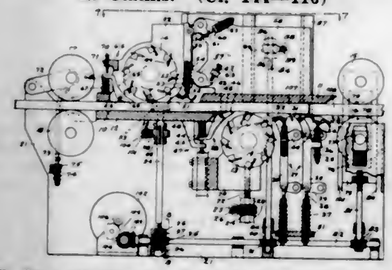
2,102,186

WOOD PLANING MACHINE

Frederick A. Nicholson and Wilmot T. Pritchard, Seattle, Wash., assignors to Stetson-Ross Machine Company, Seattle, Wash., a corporation of Washington

Application July 20, 1936, Serial No. 91,568

12 Claims. (Cl. 144—116)



7. In a planing machine, the combination of a first bed and an opposite second bed forming therebetween a longitudinal passage for moving lumber, said beds forming means for limiting the movement of lumber in opposite directions; a planing device operatively positioned opposite one of said beds, said planing device cutting in a plane more adjacent the said one bed than the distance between beds; a second planing device operatively positioned opposite the other of said beds; a pressure means in advance of each of said planer devices to hold the work against the beds respectively; and a resilient pressure means located opposite the rear portion of the first of said beds and between the first planer device and the front end of the second bed, the said resilient pressure means and the pressure means in advance of the second planer device acting to flex the lumber as it passes from one bed to the other bed.

12. The method of preventing end snipping of lumber in double surfacing machines comprising, providing a longitudinal passageway for moving lumber between opposed bed plates having longitudinally spaced lumber supporting surfaces; longitudinally flexing the lumber between the two bed plates having longitudinally spaced lumber supporting surfaces causing the lumber in one portion of its travel to engage one surface thereof with one bed plate and in another portion of its travel to engage the other surface thereof with the other bed plate; and subjecting the non-engaging surface of the lumber to a planing device at that portion of the travel of the lumber when the opposite surface is engaging one of the bed plates.

2,102,187

METHOD OF ACCELERATION OF GELATINIZATION OF CELLULOSE NITRATE AND LIQUID NITRIC ESTERS AND THE PRODUCT THEREOF

James T. Power, Wilmington, Del., and Kenneth R. Brown, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Original application January 6, 1934, Serial No. 705,622. Divided and this application October 30, 1934, Serial No. 750,736

14 Claims. (Cl. 52—22)

5. The process of gelatinizing cellulose nitric esters with liquid explosive nitric esters which comprises bringing about the gelatinization in the presence of an accelerator comprising at least one of the group of compounds derivable from a polyhydric alcohol having not more than 3 hydroxyl groups by replacing at least one of the hydroxyl groups by an alkoxy group containing not more than 4 carbon atoms, and replacing all of any remaining hydroxyls by a monobasic acid radical taken from the group consisting of the radicals of paraffin acids containing not more than 4 carbon atoms, and nitric acid radical.

9. A composition of matter comprising a cellulose nitric ester gelatinized with a liquid explosive nitric ester in the presence of a minor proportion of an accelerator comprising at least one of the group of compounds derivable from a polyhydric alcohol having not more than 3 hydroxyl groups by replacing at least one of the hydroxyl groups by an alkoxy group containing not more than 4 carbon atoms, and replacing all of any remaining hydroxyls by a monobasic acid radical taken from the group consisting of the radicals of paraffin acids containing not more than 4 carbon atoms, and nitric acid radical.

2,102,188

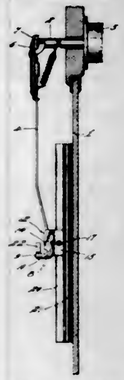
WINDSHIELD WIPER

Michael Romano, Providence, R. I.; Adeline Romano administratrix of said Michael Romano, deceased

Application February 13, 1935, Serial No. 6,280

2 Claims. (Cl. 15—250)

1. In a windshield wiper mechanism, a wiper blade comprising a channel shaped holder member, a solid wiper element of uniform construction throughout its extent having a transversely curved wiper portion, a flattened fin-like part carried by said holder member, and a portion of less thickness than the main body portion of said fin-like part located adjacent to said wiper portion for permitting flexing of said wiper portion relative to the main body portion of said fin-like part, and flexible ribs extending outwardly from and radially of the transversely curved portion of said wiper element and bendable into overlapping relation with each other for multiple and successive contact with the windshield as the wiper blade is



pressed into contact therewith and the curved portion of the blade is displaced laterally relative to the fin-like part in its movement across the windshield.

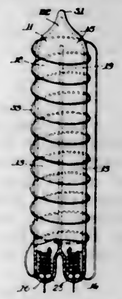
2,102,189

GASEOUS CONDUCTION DEVICE

Robert E. Barclay, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York

Application January 15, 1934, Serial No. 706,670

35 Claims. (Cl. 176—122)



6. A discharge device comprising means forming an elongated channel having longitudinally extending dielectric means associated with said channel, said channel having associated means permitting electrical discharge in said channel and an exciter comprising a conductor encircling said dielectric means and adapted to carry high frequency electrical oscillations therein for initiating electrostatic effects in said channel for the purpose of facilitating the initiation of electrical discharge therein.

2,102,190

DISCHARGE APPARATUS AND METHOD

Robert E. Barclay, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York

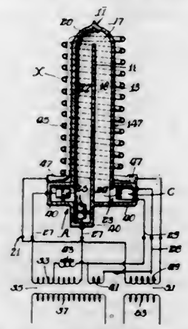
Application January 5, 1934, Serial No. 705,393

Renewed August 10, 1937

12 Claims. (Cl. 176—124)

1. A gaseous conduction device comprising an envelope defining a sealed channel having legs

containing a gaseous medium adapted to be energized to sustain electrical discharge therein, said channel having portions disposed adjacently with dielectric means therebetween, spaced electrodes communicating with said adjacently disposed portions of the sealed channel to energize the gaseous medium therein, and an exciter operatively associated with said adjacently disposed channel portions and comprising a conductor



embracing the adjacently disposed channel portions of said exciter and having terminals, the spaced electrodes of the discharge device being contained in envelope extensions and being received, together with the terminals of the exciter, and secured in a supporting base carrying terminals electrically connected with the exciter terminals and with the electrodes to facilitate mounting the device and connecting it with external electrical power circuits.

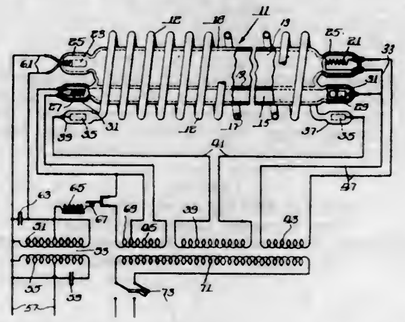
2,102,191

GASEOUS CONDUCTION DEVICE

Robert E. Barclay, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York

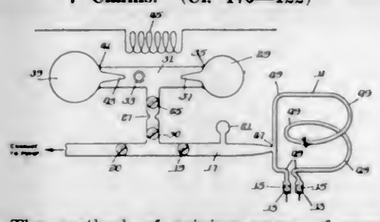
Application July 8, 1935, Serial No. 30,305

35 Claims. (Cl. 176—122)



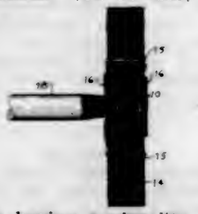
1. A gaseous conduction device comprising means forming a pair of adjacently extending elongated gaseous conduction elements, and an elongated embracing element arranged about said adjacently extending elements, wherein the adjacently extending elements contain gaseous conduction media of unlike character and adapted when excited to produce a synthetic light of predetermined color characteristics comprising the combined spectrum of the light produced by the gaseous media in the several elements.

2,102,192
MEANS FOR AND METHOD OF EFFECTING GASEOUS MIXTURES
Robert E. Barclay, Chicago, Ill., assignor to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application April 17, 1935, Serial No. 16,773
7 Claims. (Cl. 176—122)



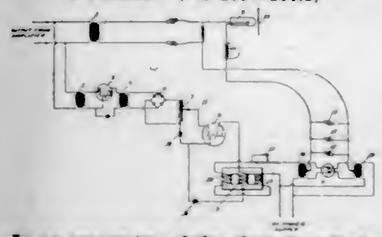
1. The method of mixing gases of unequal weights in predetermined proportions, which consists in mingling predetermined quantities of the gases to be mixed and subjecting them to the effects of high frequency excitation to induce ionic activity to prevent stratification of the mixed gases.

2,102,193
BUFFER CORE
James C. Burkhardt, Dayton, Ohio
Application October 5, 1936, Serial No. 104,055
3 Claims. (Cl. 51—193)



1. In a buffer having a plurality of laminae provided with a centrally located aperture adapted for use with an externally threaded tapering mandrel, a tubular sleeve extending through the aperture and having a plurality of radial lobes extending outwardly from each end thereof into engagement with the sides of the laminae, the lobes of one end formed by splitting the end of the tubular sleeve being arranged in staggered relation with respect to the lobes of the opposite end so as to firmly grip the laminations, the aperture through the tubular member being adapted to be mounted upon the mandrel.

2,102,194
SOUND RECORDING SYSTEM
Don Canady, Cleveland, Ohio
Application September 3, 1936, Serial No. 99,320
8 Claims. (Cl. 179—100.3)



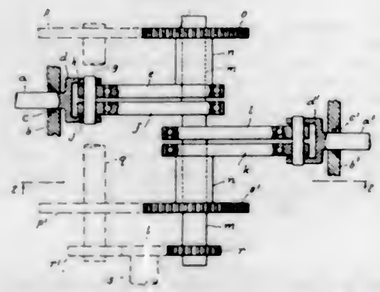
1. In an apparatus of the class described comprising an amplifying circuit, a secondary circuit electrically connected thereto and having therein a plurality of electrical translating means, one of which means has its plate circuit electrically associated with a leg of a saturable impedance positioned in an energy receiving circuit, the reactance of which reactor is partially controlled in the secondary circuit, a controlling circuit electrically associated with the energy receiving circuit and controlling the light intensity of the recording lamp in the amplifying circuit.

2,102,195
SAFETY SIGNAL FOR FIREARMS
Robert Braughton Conniffe, Tillman, S. C.
Application August 12, 1936, Serial No. 95,640
1 Claim. (Cl. 42—1)



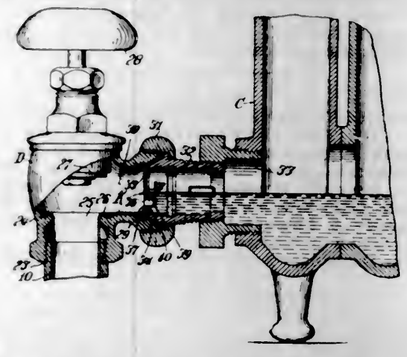
A shot gun having a breech block provided in the upper portion thereof with a groove adapted when the shot gun is closed to communicate with the barrel of the gun, a pin traversing said groove, a lever within said groove and pivoted at its forward end on said pin, said lever having an integral portion projecting forwardly and inwardly of the pivoted end to provide a forwardly disposed cam and a depending shoulder, and a helical spring extending longitudinally of the lower portion of the groove with one end engaged with the rear wall of the groove and its other end engaged with the said depending shoulder for yieldably positioning said lever with its cam end disposed forwardly of the groove in the direction of the barrel and its other end housed within the said groove.

2,102,196
DRIVING MECHANISM FOR INTERNAL COMBUSTION ENGINES AND THE LIKE
Alfred Henry Craske, Salisbury, England, assignor of one-half to William Raleigh Kerr Gandell, West Kensington, London, England
Application September 28, 1936, Serial No. 103,043
In Great Britain October 1, 1935
8 Claims. (Cl. 74—44)



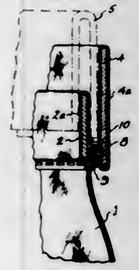
1. Means for converting reciprocating motion into rotary motion or vice versa, such means comprising one or more combinations of not less than two eccentrics acting respectively on two concentric shafts, means being provided whereby the shafts are caused to revolve in opposite directions, but at the same speed.

2,102,197
ONE PIPE HEATING SYSTEM REGULATING PLATE
David N. Crosthwait, Jr., Marshalltown, Iowa, assignor to C. A. Dunham Company, Marshalltown, Iowa, a corporation of Iowa
Application August 24, 1936, Serial No. 97,636
10 Claims. (Cl. 237—67)



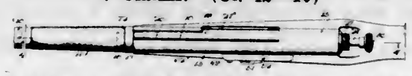
1. In a steam heating system, a radiator, a conduit communicating with a lower portion of the radiator and functioning to supply steam to the radiator and drain condensate therefrom, and a regulating plate in said conduit, said plate being formed with two separate and constantly open orifices, one for the restricted passage of steam to the radiator and the other for the passage of condensate from the radiator, the condensate orifice being so formed and positioned as to hold a head of water at the radiator side of the orifice sufficient to overbalance the difference in steam pressures at the two sides of the plate.

2,102,198
CLERICAL VESTMENT
Lawrence Dickman and George Dickman, Covington, Ky.
Application March 2, 1936, Serial No. 66,526
7 Claims. (Cl. 2—127)



1. A clerical garment adapted to be worn with a clerical collar having collar button holes, comprising a bosom portion, an inner upstanding neck portion adapted to be tucked up into said collar, and an outer upstanding neck portion having collar button holes registering with said first mentioned holes and adapted to encircle said collar on the outside thereof, and to be fastened thereto at the rear with the same collar button used with the collar.

2,102,199
GUN
Fate Dixon, Durham, N. C., assignor of one-half to James Edward Moses, Durham, N. C.
Application January 26, 1937, Serial No. 122,471
7 Claims. (Cl. 42—10)

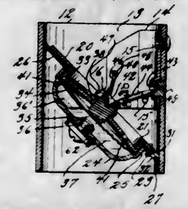


1. A gun comprising a housing having a bayonet slot, a barrel slidably mounted within the housing and having a part operating within the bayonet slot, a spring pressed sliding bolt carried by the housing and having a firing pin, a lock bar connected with the sliding bolt to move therewith, automatic safety means to move the lock bar rearwardly to shift the firing pin to the safety position and releasable means to hold the lock bar in the safety position and to also hold it in the cocked position.

2,102,200
REFINING DIPHENYL SULPHIDE
Gregg Dougherty, Princeton, N. J.
No Drawing. Application July 3, 1936, Serial No. 88,909
4 Claims. (Cl. 260—156)

1. The process of treating diphenyl sulphide for removal of unpleasant odor, which comprises subjecting such diphenyl sulphide to the action of a halogen.

2,102,201
THERMOSTAT
John D. Durant, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan
Application July 19, 1935, Serial No. 32,243
3 Claims. (Cl. 236—34)

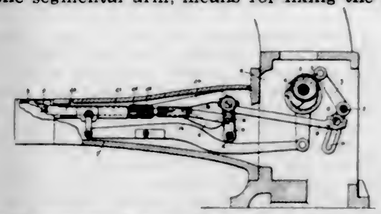


1. In connection with a thermostat installation, a rockable valve device embodying a U-shaped bracket member providing a pair of spaced aligned fulcra and an intermediate seat, a valve member having trunnion means mounted in said fulcra, there being means at said valve member including a chamber housing, a temperature expansion responsive medium, a plunger with a second seat thrust relatively to the valve member by the medium, a strut between the plunger seat and the first mentioned seat, and spring means opposing said thrust.

2,102,202
DIFFERENTIAL FEED DEVICE FOR SEWING MACHINES
Fritz Ebert, Oberndorf-on-the-Neckar, Germany, assignor to Mauser-Werke A. G., Oberndorf-on-the-Neckar, Germany, a joint-stock company of Germany
Application December 30, 1935, Serial No. 56,808
In Germany December 31, 1934
8 Claims. (Cl. 112—208)

1. Differential work feed mechanism for sewing machines, comprising a pedestal, a carrier

arm extending therefrom, a main work feed device, a differential work feed device, an intermediate lever mounted in the carrier arm and rocking about an axis transverse thereto and located near the pedestal, a main drive shaft journalled in the pedestal, a lever oscillated by said main drive shaft and having a segmental arm, a link connecting said intermediate lever to the segmental arm, means for fixing the link



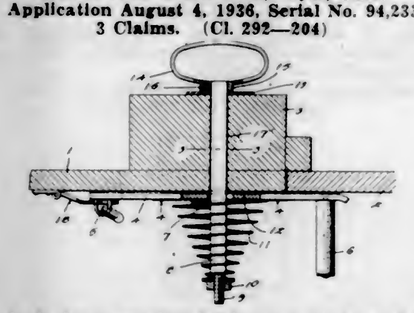
to said segmental arm at an adjustable distance from the axis of oscillation of said lever, connections between the intermediate lever and the main and auxiliary feed devices, said devices and connections reciprocating longitudinally of the carrier arm, and means in the connections between the intermediate lever and the differential work feed device for independently adjusting the stroke length of said device.

2,102,203

LATCH FOR DOORS OF BARNS, SHEDS, ETC.

Edwin Fred Groenewold, Loyal, Okla.

Application August 4, 1936, Serial No. 94,233
3 Claims. (Cl. 292—204)



1. A door securing latch comprising a shaft designed to be mounted for axial oscillation in a wall adjacent to and in transverse relation with the edge of a door, a bar member having the shaft extended therethrough, the bar being slidable on the shaft but held against rotary motion thereon, spring means encircling the shaft and secured at one end thereto and having its outer end bearing against the bar to force the latter against the adjacent face of the wall, handle means carried by the bar at one end, a staple carried by the bar at the other end, and a handle carried by the shaft upon the end at the side of the wall opposite from the spring.

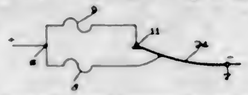
2,102,204

FUSE PROTECTIVE CIRCUIT

Lester C. Hart, Cleveland, Ohio, assignor to Hi-Voltage Equipment Company, a corporation of Pennsylvania

Application June 20, 1936, Serial No. 86,252
1 Claim. (Cl. 175—294)

In combination in a fuse assembly, a circuit including a short circuit fuse and a thermal switch in series, and an overload fuse in shunt with said short circuit fuse and the switch, said switch being adapted to remain in closed position under normal current load but to open after a prede-



termined time interval upon an increase in current load above normal so that with the switch in open position, a full current flow occurs through the overload fuse.

2,102,205

CELLULOSE MIXED ETHERS AND PROCESS FOR THE PREPARATION THEREOF

Joseph F. Haskins, Wilmington, and Deane C. Ellsworth, deceased, late of Wilmington, Del., by Joseph F. Haskins, administrator, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 23, 1936, Serial No. 60,520
10 Claims. (Cl. 260—152)

1. In a process of producing mixed ethers of cellulose, the step which comprises reacting a lower partially alkylated cellulose, containing at least 0.5 mole of a lower alkyl group having less than three carbon atoms for each glucose unit of the cellulose, with a higher alkyl halide containing eight to eighteen carbon atoms, in the presence of an alkali.

2,102,206

RENEWABLE ELECTRIC FUSE

George E. Holmes, Elkhart, Ind.

Application July 29, 1936, Serial No. 93,148
6 Claims. (Cl. 200—125)



5. A renewable fuse device comprising a receptacle having a recess therein a plug insertable in said recess in a plurality of positions to be non-rotatable therein, said plug having a U shaped fuse element with a leg thereof exposed on each side of said plug, and having a plurality of narrow fusing portions therein, and a pair of contact members mounted to project into said recess on opposite sides thereof to engage said strip, one of said contacts being above the height of the narrow fusing portion of said strip and the other contact being below the height of said narrow fusing portions, to place one of said narrow fusing portions in circuit with said contacts in each position of insertion of said plug.

2,102,207

COATED PAPER AND PAPER-COATING COMPOSITIONS

James K. Hunt and George H. Latham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 23, 1936, Serial No. 60,521
8 Claims. (Cl. 91—68)

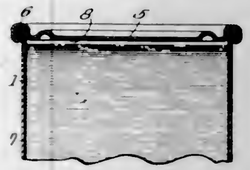
1. A highly grease-proof, water and moisture resistant product comprising paper coated with a composition which comprises a mixed alkyl ether of cellulose containing in the same molecule lower saturated alkyl radicals of not more than two carbon atoms and higher saturated aliphatic alkyl radicals of at least eight carbon atoms.

2,102,208

PROCESS OF PACKAGING BEER IN OPEN TOP METAL CONTAINERS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application July 24, 1935, Serial No. 32,938
Renewed July 13, 1937
2 Claims. (Cl. 99—182)



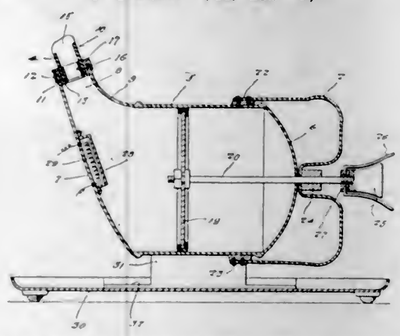
2. The process of packaging beer in an open top metal container consisting in heating a petroleum wax having a melting point above 140° F. to render the same fluid, flowing said fluid wax over the entire inner surface of the open top container, filling the container with beer, seaming an end to the container for closing the same, the inner surface of which end is coated with a thermoplastic enamel having a melting point above 140° F., which coating is raised to a temperature for rendering the same fluid after the end is die-shaped and prior to the seaming of the same to the container and subjecting the sealed container to heat for pasteurizing the beer.

2,102,209

APPLICATOR

Eulilee McDannold, Mountain View, Calif.

Application December 10, 1935, Serial No. 53,786
6 Claims. (Cl. 132—9)



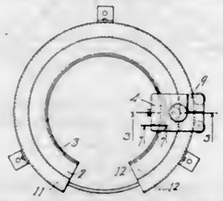
1. In an applicator of the character described, a container provided with a spout having a substantially rectangular discharge mouth, a comb-back of rectangular frame-like structure fitting snugly within the mouth of said nozzle, and a series of relatively spaced comb-fingers having end portions secured within the frame structure of said comb-back, said comb-fingers being hollow and respectively open at their inner and outer ends for the passage of the contents of the container through said fingers.

2,102,210

COLLAR SUPPORTING AND IRONING DEVICE

Adolph A. Myers, Louisville, Ky.

Application July 15, 1935, Serial No. 31,399
4 Claims. (Cl. 223—52.6)



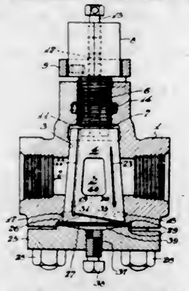
1. A collar supporting and ironing device comprising a collar supporting band providing a support over which a creased collar may be straddled, a trackway extending along the outer side of said band, and a collar iron supported on said trackway for movement along said band in ironing relation to a collar on said band.

2,102,211

PLUG VALVE

Sven J. Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, Pittsburgh, Pa., a corporation of Delaware

Application December 19, 1935, Serial No. 55,238
12 Claims. (Cl. 251—112)



1. In a plug valve, a casing having a passageway therethrough for flow of fluid and a bore formed transversely of the passageway, a rotatable plug located in said bore, an inherently resilient cover closing one end of the bore, flexible means interposed between the cover and valve casing and providing a fluid chamber with the cover, and means for applying fluid under pressure to said chamber to deflect the cover and yieldingly urge the plug in a longitudinal direction.

2,102,212

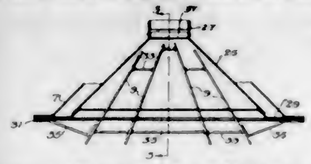
SOUND REPRODUCING APPARATUS

Harry F. Olson, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1935, Serial No. 42,896
9 Claims. (Cl. 181—31)

1. In a sound reproducing apparatus, a substantially vertical baffle having an opening, a loud speaker having a cone type diaphragm adapted to be driven to radiate directly low frequency sound waves and a beam of high frequency sound waves, means for mounting said speaker in operative relation to said opening and with the axis of said diaphragm inclined upwards for raising said beam from the horizontal

and means positioned adjacent the concave surface of said diaphragm in intimate acoustic cou-

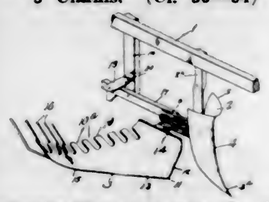


pling relation therewith for diffusing said beam of high frequency sound waves horizontally.

2,102,213

ROOT CROP DIGGING DEVICE

Walter Pannike, Waterloo, Ontario, Canada
Application April 22, 1936, Serial No. 75,794
In Germany January 23, 1936
5 Claims. (Cl. 55—54)



1. In combination, apparatus for digging root crops comprising a frame, a stalk and root remover carried by said frame, a share carried by said frame to the rear of said remover, said remover being shaped to lift the stalk and root out of the ground and pass the stalk and root to the share and a grill secured to the side of the stalk remover adjacent the share and extending rearwardly therefrom in substantially a horizontal plane.

2,102,214

ART OF PREVENTING SEIZURE OF CONTACTING SURFACES OF SOFT ALLOYS AND LIKE MATERIALS

Arthur L. Parker, Cleveland, Ohio
No Drawing. Application November 6, 1934, Serial No. 751,750
5 Claims. (Cl. 91—68)

1. An article of manufacture comprising a soft metal part such as aluminum and aluminum alloy, having threaded portions which are coated with a thin adherent film of an anti-seizing material composed of stearic acid and a compound selected from the group consisting of zinc, aluminum and lead stearates, combined with a modifying ingredient comprising a lacquer base in such amount as to form a coating which will stand handling without marring or chipping.

2,102,215

IRON AND STEEL ALLOY HAVING CORROSION RESISTANCE

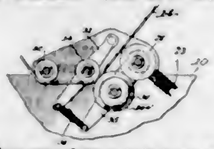
Russell F. Passano, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Application September 20, 1935, Serial No. 41,453
3 Claims. (Cl. 75—125)

1. A corrosion resistant alloy having the following analysis: Carbon 0.005 per cent to 0.15 per cent, manganese 0.030 per cent to 0.80 per cent, phosphorus 0.05 per cent to 0.15 per cent, copper 0.20 per cent to 0.75 per cent, nickel 0.20 per cent to 0.75 per cent, molybdenum 0.10 per cent to 0.50 per cent balance substantially all iron.

2,102,216

SUPPLYING INK TO INK TRANSFER MEMBERS

George Ernest Pelton, Middleburg, Va.
Original application September 19, 1932, Serial No. 633,874, now Patent No. 2,074,970, dated March 23, 1937. Divided and this application November 13, 1936, Serial No. 110,711
11 Claims. (Cl. 197—171)

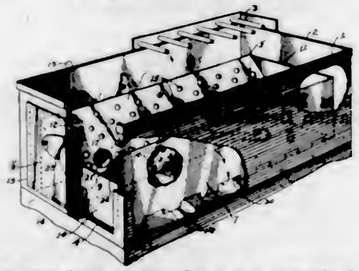


1. Device for supplying ink to a writing ribbon in a typewriter as said ribbon travels back and forth during intermittent operation of said typewriter, to maintain an approximately uniform supply of ink in said ribbon at the typing position, comprising two rotary inking members, adjacent each other which are substantially non-ink-absorptive, and a pulley which contacts with said ribbon opposite that face of said ribbon which contacts a rotary inking member; an ink reservoir, whose ink supply lies below said pulley; said ink being placed on a face of said writing ribbon by a rotary inking member in predetermined amounts, accurately gauged; at least two of said rotary members, of said device for supplying ink, being connected by gears.

2,102,217

FIREBOX

Charles B. Pothemus, San Jose, Calif.
Application March 26, 1936, Serial No. 70,969
3 Claims. (Cl. 126—29)



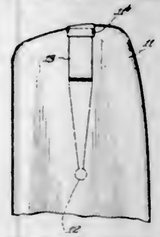
3. A structure of the character described comprising, an open topped firebox, an oblong member that is M-shaped in transverse cross-section disposed therein and in spaced relation to the walls thereof, said member having the central V-shaped portion perforated and the side portions provided with air passages to connect the spaces between the V-shaped portion and the side portions with the spaces between the side portions and the firebox wall.

2,102,218

SPECTACLE CASE

James T. Rakauskas, Chicago, Ill.
Application December 31, 1936, Serial No. 118,654
4 Claims. (Cl. 24—3)

1. A combined spectacle case and pocket clip therefor, said case being formed to provide a substantially horizontal slot therein adjacent an upper edge portion thereon, an integral extension of said edge of said case above said slot, said clip including a shank extending through said slot and upwardly towards said edge along the inside of said case, said extension engaging the



free end of said shank and to fasten said clip to said case.

2,102,219

WATER SOFTENING COMPOUND

Sidney A. Raymond, Green Bay, Wis.
No Drawing. Application November 10, 1936, Serial No. 110,185
4 Claims. (Cl. 210—23)

1. The improved water softening compound consisting of tri-sodium phosphate, sodium aluminate, borax, and an alum.

2,102,220

DEVICE FOR USE IN PLAYING SOLITAIRE CONTRACT BRIDGE

Charles H. Richardson, Dover, N. H.
Application November 21, 1935, Serial No. 50,883
9 Claims. (Cl. 273—150)



1. A device for use in playing solitaire contract bridge having, in combination, a base, a table rotatably mounted thereon, a plurality of card holders each rotatably mounted on the table, and means for yieldingly maintaining each holder in place on the table in any position to which said holder may be rotated thereon.

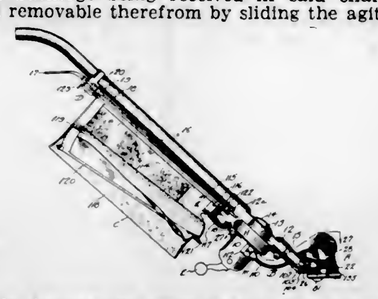
2,102,221

VACUUM CLEANER

Frederick Riebel, Jr., and Dewey M. Dow, Toledo, Ohio, assignors to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application November 9, 1934, Serial No. 752,270
10 Claims. (Cl. 15—8)

1. In a suction cleaner, a suction producing unit including a prime mover, a floor tool attached to said unit, a rotary agitator in said floor tool, an auxiliary electric motor mounted upon the top of said floor tool with its axis parallel to the axis of said agitator, a drive pulley at one end of said motor, a casing covering said motor, a belt housing cover on the end of the casing, closed thereagainst and extending to the top wall of the floor tool, an opening in said wall, below said belt housing, a driven pulley on said agitator below said opening, a belt travelling on said pulleys and extending through said opening and an air inlet between the lower end of said belt housing and said top wall, opposite the upwardly moving reach of said belt.

3. In a suction cleaner, a suction head formed integrally with rigid vertical channels in its end walls, a rotary agitator, shaft ends projecting from the ends thereof, a pair of bearing bushings loosely mounted on the respective shaft ends, said bushings being received in said channels and removable therefrom by sliding the agitator

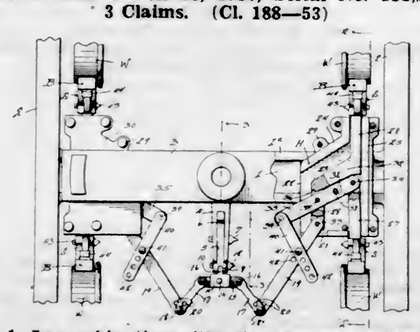


bodily downwardly, each bushing being in substantial contact simultaneously with both sides of its respective channel and spring detent means engaging the rounded side faces of said bushings and retaining them in the channels.

2,102,222

BRAKE ACTUATING MECHANISM

William I. Riley, Trussville, Ala.
Application March 16, 1937, Serial No. 131,221
3 Claims. (Cl. 188—53)



1. In combination with a transverse member of a wheel truck, plungers supported by said transverse member for sliding movement beyond opposite sides of the member, one of the plungers having its inner portion laterally offset, a lever pivotally connected with the inner end portion of the second plunger and with the offset part, means for pivotally holding said lever to the transverse member at a point between its pivotal connection with the plungers, a secondary lever pivotally connected to the offset portion of one of the levers, a link pivotally connecting the first named lever and the secondary lever, means for swinging the secondary lever to move the plungers outwardly or inwardly in unison, and brake shoes carried by the outer extremities of the plungers.

2,102,223

MULTIPLE FASTENER

Leo Roseman, Newark, N. J.
Application September 18, 1936, Serial No. 101,383
20 Claims. (Cl. 2—38)

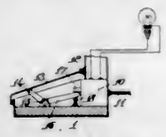
1. A fastener comprising two pieces of material disposed in edgewise approximately abutting relation, one having hook elements secured thereon and spaced longitudinally thereof with their bills extending longitudinally of the piece

and approximately parallel to the edge thereof, the other piece having tubular loops of pliable material secured thereon with their axes approxi-



mately parallel to the edge of the piece each to frictionally receive the bill of one of said hook elements for connecting said pieces together.

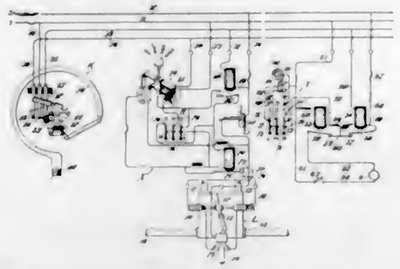
2,102,224
ELECTRIC LAMP
Ernst Ruppel, Gotha, Germany
Application February 21, 1935, Serial No. 7,630
In Germany February 22, 1934
5 Claims. (Cl. 240—123)



1. Electric table light with box-like base, a column disposed on said base and supporting a lamp, and a double action switch covered in said base and adapted to be operated from the exterior thereof, at least the greater portion of the upper side of the box being formed as a base cover plate, movable relative to the box-like base and connected with the switch so that through pressure exerted from above on said movable plate the switch is operated to circuit-closing position, and, after release of the pressure, remains in this position until action is again exerted on the plate.

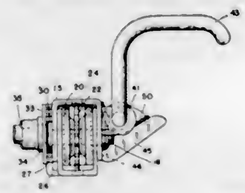
2,102,225
TEMPERATURE CONTROL SYSTEM FOR RAILWAY CARS
Edward A. Russell, Chicago, and Donald W. Miller, Elmhurst, Ill., assignors to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application April 6, 1931, Serial No. 528,058
24 Claims. (Cl. 236—1)

10. In combination with a railway car, temperature regulating mechanism thereon including a heating system and a refrigerating system, thermostatic control mechanism for causing the temperature regulating mechanism to maintain a predetermined temperature within the car, a power supply line on the car which is connected in circuit with a train power source when the car is connected in service as a unit of a train, and means connected with said power line for rendering the refrigerating means entirely inoperative and for limiting the operation of the heating means to the maintenance of a predetermined minimum temperature in the car when the car is out of service and the power line is broken.



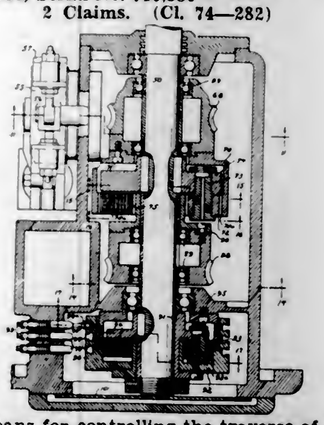
23. In combination with heat-exchange apparatus for maintaining a selected temperature within an enclosure, regulating means for controlling the action of the heat-exchange apparatus to maintain any selected one of a plurality of temperatures within the enclosure, said means comprising a plurality of thermostats, each thermostat adapted to function to maintain a certain predetermined one of these temperatures, and thermostatic means responsive to outside temperatures for selecting the temperature to be maintained within the enclosure.

2,102,226
SEAT SUPPORT
Walter S. Saunders and Thomas A. McGregor, Pontiac, Mich., assignors to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application November 9, 1936, Serial No. 109,859
6 Claims. (Cl. 155—14)



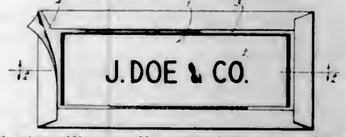
1. Slidable supporting means for a seat or the like comprising a track channel having upwardly projecting flanges, a carriage element rollable over the track element and comprising a channel member inverted over the track element, said channels having their flanges overlapping and interfitted, opposed portions of channels being serially perforated, and guiding and anti-friction means arranged between said elements and housed within the space enclosed thereby, comprising rollers engageable with said top and bottom surfaces, gear portions movable with the rollers and meshing with said serial perforations, the overlapping webs of said element being longitudinally slotted in substantial alignment with the axes of said rollers, and axle members for said rollers projecting through said slots to prevent the separation of said elements and limit the travel of the carriage with respect to the track element.

2,102,227
CONVEYER FEED MILLING MACHINE
William Sinclair, Detroit, Mich., assignor to Production Engineering Company, Detroit, Mich., a corporation of Michigan
Original application February 24, 1930, Serial No. 430,688. Divided and this application August 22, 1934, Serial No. 740,880
2 Claims. (Cl. 74—282)



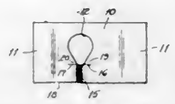
1. Means for controlling the traverse of a machine tool or the like comprising, in combination with a shaft, planetary gearing mounted thereon including a sun gear loose on the shaft, a cage fast upon the shaft, planetary gears carried by the cage and meshing with the sun gear, another gear of different size from the sun gear, also concentric with the shaft and meshing with said planetary gears, independent driving means for said sun gear and said other gear, including a worm connected to said sun gear, a worm connected to said other gear, and an independent motor connected to each worm, whereby the shaft is actuable at different speeds depending upon which of said motors is, or whether both motors are, running, and whereby when either motor is at rest, the gear to which it is connected is held against rotation by its worm, controlling means for said motors, including switching means drivable by said shaft, a worm wheel for driving each of said sun gear and other gear, said worm wheels also being concentrically carried by said shaft, and meshing with said worms to prevent turning of the sun gear or other gear when the driving motor of either is at rest, said switching means including a control member also concentrically mounted on and drivable by the shaft, and reduction gearing connecting the shaft and control member.

2,102,228
STENCIL
John C. Smith, Beaver, Pa., assignor to Solar Laboratories, Beaver, Pa., a corporation of Pennsylvania
Application November 3, 1936, Serial No. 108,951
4 Claims. (Cl. 101—127)



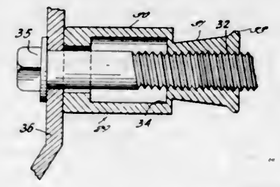
1. A stenciling unit comprising a metal frame, a stencil membrane spanning said frame, resinous soldering medium integrating the frame and the membrane into a substantially unitary structure.

2,102,229
FASTENING DEVICE
George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio
Application June 17, 1936, Serial No. 85,750
3 Claims. (Cl. 85—32)



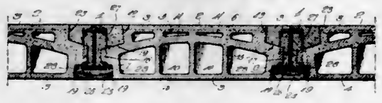
1. A threadless fastener comprising a metallic strip having substantially parallel longitudinal edges and having a bolt receiving irregular opening therein, the fastener having a slit extending substantially tangentially to one end of the opening and also substantially parallel to one of the longitudinal edges, the slit cooperating with the opening to provide a single yieldable tongue which is adapted to be moved with reference to the body portion.

2,102,230
EXPANSION BOLT
George Henry Waterman, Wyomissing, Pa.
Application July 24, 1936, Serial No. 92,339
1 Claim. (Cl. 85—2.4)



In a structure of the class described, a body cylindrical in cross-sectional form provided on its peripheral surface with fins circumferentially spaced and forming longitudinal retaining ribs extending from end to end of said body, and a conical nut attached by an annular rib to one end of said body, said annular rib being breakable to permit longitudinal movement of the nut into the body to expand the latter, said nut being provided on its outer end with an outstanding lateral flange.

2,102,231
FLOOR OR CEILING STRUCTURE
Robert Zoettl, Salzburg, Austria, assignor of one-half to Hans Knoll, Salzburg, Austria
Application October 4, 1935, Serial No. 43,617
In Germany October 8, 1934
14 Claims. (Cl. 72—66)



13. In a floor or ceiling structure, an I-beam, rows of tiles disposed on opposite sides of the beam and having supporting lugs engaging the lower flanges of the beam and provided with supporting flanges located below the plane of the bottom of the beam, bridge plates disposed to close the space between the rows of tiles beneath

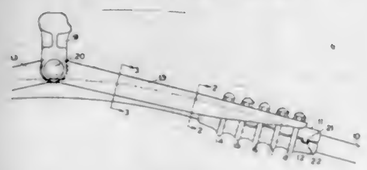
the beam and in spaced relation thereto, said plates having their upper surfaces recessed, a filling of binding material between each row of tiles and the adjacent side of the beam, and binding material between the bottom of the beam and rows of tiles and the bridge plates, said material seating in the recessed upper surfaces of said plates.

2,102,232

UNIFORM ARC, COMPENSATING CHORD CONDUCTOR SUPPORT WITH RESILIENT GRIP HEADS

Arthur O. Austin, near Barberton, Ohio

Application February 3, 1934, Serial No. 709,609
30 Claims. (Cl. 248—63)



1. The combination with a conductor of a carrier for said conductor comprising a supporting member, separate links extending in opposite directions from said supporting member and having their adjacent ends pivoted to said member by coaxial pins or bosses, one at each side of the conductor and clamps carried by the outer ends of said links respectively for gripping said conductor at spaced points thereon said supporting member and links providing clearance for said conductor to move vertically past the pivotal axis of said links on said supporting member, said common axis being located substantially in line with the axis of the cable ends where they leave said clamps.

2,102,233

THERMAL INSULATION

Frank A. Biederman, Chicago, Ill., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin

Application May 16, 1932, Serial No. 611,623
Renewed November 2, 1935
8 Claims. (Cl. 154—44)



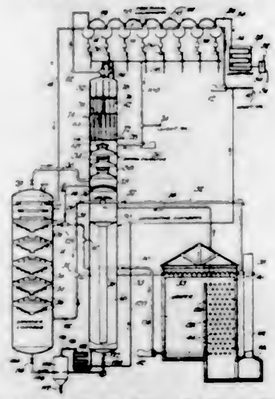
1. A thermal insulating unit comprising an assembly of superposed creped tissue paper sheets which are of such thinness as to be not self-supporting, and a casing enclosing the assembly, the sheets being suspended edgewise from the top wall of the casing.

2,102,234

DISTILLATION OF OIL

David G. Brandt, Westfield, N. J., assignor, by mesne assignments, to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application January 31, 1922, Serial No. 532,953
Renewed January 14, 1928
32 Claims. (Cl. 196—66)



1. A process of cracking high boiling hydrocarbon oils to form low boiling hydrocarbon oils comprising maintaining a first body of oil of high boiling point, maintaining a second body of oil of lower boiling point, circulating oil from said second body through a heater and returning it to said second body, separating vapors from the heated oil and passing them through the first body of oil.

2,102,235

VACCINES AND PROCESS FOR MANUFACTURING VACCINES

Marion Dorset, deceased, late of Washington, D. C., by Virgil Jackson Dorset, administrator, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America

No Drawing. Application January 15, 1936, Serial No. 59,159½
2 Claims. (Cl. 167—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process for the manufacture of vaccine against hog cholera which comprises mixing together virulent defibrinated virus blood from swine sick with hog cholera with from 1/50 to 1/17 of its volume of a 1 per cent aqueous solution of crystal violet, and maintaining the mixture at near 37.5° C. for approximately two weeks, until the material becomes incapable of transmitting hog cholera when injected into susceptible swine.

2,102,236

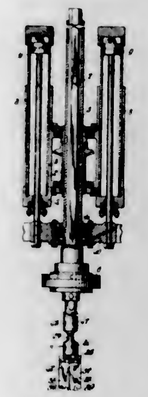
DRILLING IMPLEMENT

Harry C. Johansen, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application May 4, 1934, Serial No. 723,919
4 Claims. (Cl. 255—61)

4. In an implement of the character described, a rotary drive element, a drilling element, said elements being relatively rotatable, yielding means connecting said elements, and means comprising an abutment fixed as regards rotation relative to said drilling element and a cooperating abutment

fixed as regards rotation relative to said drive element for limiting yielding of said yieldable means, upon relative rotation between said elements,



providing substantially equal limits of yield irrespective of the axial deformations of said yielding means.

2,102,237

REEL SEAT FOR FISHING ROD HANDLES

John Karl Kinnear, Geneva, Ohio, assignor to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio

Application November 30, 1936, Serial No. 113,371
6 Claims. (Cl. 43—22)

1. In a fishing rod handle, a hand grip portion, a reel seat base, a clamp element comprising an enlarged head portion and a hand grip connected portion, said head portion having a plurality of surfaces of different contour adapted to seat therein reels of varying sizes.

2,102,238

COPPER-NICKEL-TITANIUM ALLOYS

Norman B. Pilling, Westfield, N. J., and Paul D. Merica, New York, N. Y., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application October 1, 1931, Serial No. 566,311. Divided and this application November 16, 1935, Serial No. 50,240
31 Claims. (Cl. 148—32)

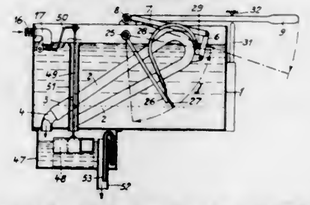
1. A hard nickel-copper alloy containing about 2% to about 50% nickel, at least 1 to about 10% titanium, and copper constituting substantially the balance of the alloy, said alloy being age hardened by heating the alloy to an elevated temperature below its melting point but sufficiently high to cause titanium to go into solution, quenching the alloy and reheating to a temperature below that of the initial heating but sufficiently high and for a period of time sufficient to obtain a substantial increase in the hardness of the alloy.

2,102,239

DEVICE FOR DISPENSING MEASURED QUANTITIES OF LIQUID

Fritz Schär, Zurich, Switzerland

Application May 11, 1936, Serial No. 79,191
In Switzerland May 10, 1935
10 Claims. (Cl. 221—95)



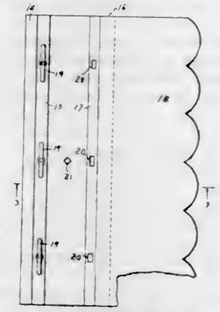
1. A device for dispensing predetermined quantities of liquid comprising in combination, a liquid supply pipe, a vessel connected to said pipe, an inlet valve, a float controlling said inlet valve, a syphon within said vessel, means to prime the syphon, a tube communicating with the intake leg of said syphon, the inlet opening of said tube being placed at the discharge level of the vessel, hydraulic means to automatically time the opening of said valve by said float.

2,102,240

REMOVABLE-DECORATIVE-WINDOW SHADE ATTACHMENT

Adolph Schwartz, Brooklyn, N. Y.

Application January 21, 1937, Serial No. 121,505
1 Claim. (Cl. 156—10)



An ornamental attachment for window shades comprising a single piece of material having a stiffening member, provided with a plurality of prong fasteners, secured adjacent to one end and another stiffening member, provided with a plurality of aligned openings, secured intermediate of the ends; the portion between the stiffening members being adapted to be folded around the lower part of the window shade with the prongs inserted through the material of the shade and through the apertures to secure it to the shade; and the free end of the attachment adapted to hang down over the clinched ends of the prongs to hide these.

2,102,241

HAIR WAVING APPLIANCE

Georg Ströher, Rothenkirchen, Germany

Application November 7, 1936, Serial No. 109,637
In Great Britain October 5, 1936
1 Claim. (Cl. 219—24)

A heating clamp for hair waving purposes comprising a pair of articulated jaws, each of said

jaws consisting of a single piece of ceramic material, at least one longitudinal recess in each of said jaws at the interior side thereof, a heating element disposed in said recess, a metal layer



on the interior surface of each of said ceramic jaws entirely covering said heating element, said metal layer being formed integral with said jaw and being devoid of extraneous fastening means.

2,102,242

ORNAMENT AND FRAME THEREFOR

Leo K. Stupell, New York, N. Y.

Application October 5, 1935, Serial No. 43,704
6 Claims. (Cl. 40—140)



1. In combination, an ornament holder member comprising a frame having an opening, and an ornament member adapted to seat in said opening, said members being made of metal, the edge parts of said frame opening and of the ornament member having complementary grooves and projections, one of said members being of elastic material whereby said ornament member may be snapped into said frame with said complementary parts engaging to lock said ornament member in said frame, and means on said members for guiding the engaging movement of said parts, said members having means for preventing movement of the ornament member parts past the holder member parts when engaged for snapping together.

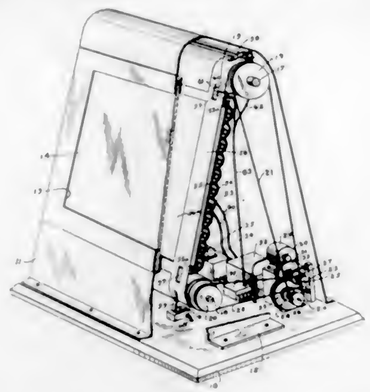
2,102,243

ANIMATED SIGN

Harry R. Van Deventer and John J. Shively, New York, N. Y., assignors, by mesne assignments, to Service Devices, Incorporated, New York, N. Y., a corporation of New York

Application September 6, 1935, Serial No. 39,360
2 Claims. (Cl. 40—53)

1. In a display device in combination, a pair of laterally spaced rollers having conducting surfaces, a film of insulating material spirally rollable on said rollers and having its opposite ends attached respectively thereto, said film having a perforation in its first lap on each of said rollers, means to alternately drive said rollers whereby said film may be rolled back and forth between them, and electrical control means for said driving means including a brush adjacent each roller and adapted to make contact with the conducting face thereof through said perforation whereby a circuit may be established while retaining a portion of said film on said roller behind said brush, the second laps of said film on said rollers



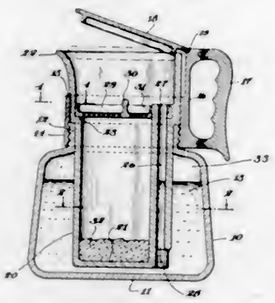
being adapted to override said perforations to break said contacts.

2,102,244

METHOD AND APPARATUS FOR STEEPING COFFEE, TEA, AND THE LIKE

Thomas M. Walsh, East Orange, N. J.

Application July 3, 1936, Serial No. 88,771
2 Claims. (Cl. 53—3)



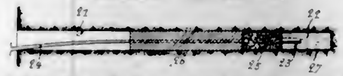
1. In a device for steeping coffee, an outer vessel having an upper neck and adapted to contain water, an inner vessel removably insertable through said neck and having a peripheral shoulder seated thereon and in sealing relation with said neck, said inner vessel having an unperforated bottom wall adapted to receive the coffee to be steeped, a pipe extending from the upper portion of the inner vessel to the lower portion of the outer vessel, whereby steam generated in the latter will force heated water up through the pipe into the inner vessel and onto said coffee, the bottom wall of the inner vessel being arranged in close proximity to the bottom wall of the outer vessel, so that the heat applied to the bottom wall of the outer vessel to generate said steam will simultaneously effect a preliminary roasting of said coffee, and a handle structure embracing and attached to the neck and having a top hinged thereto and covering the inner vessel.

2,102,245

EXPLOSIVE CHARGE AND APPARATUS FOR THE MANUFACTURE OF THE SAME

Guillaume Weber, Hayange, Moselle, France, assignor to Les Petits Fils de Francois de Wendel & Cie, Paris, France

Application May 26, 1934, Serial No. 727,635
In France June 17, 1933
5 Claims. (Cl. 102—5)



1. A blasting charge comprising in combination a mixture of water in the form of snow and of carbon dioxide in the form of snow, and a heating element adjacent said mixture and adapted to produce the heat necessary to cause the instant vaporization of said mixture.

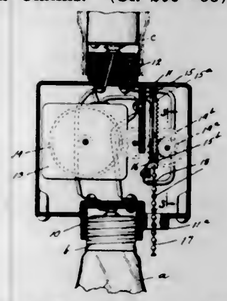
5. An apparatus for preparing an explosive mixture of water and carbon dioxide in the form of snow comprising an expansion chamber, a container adapted to receive liquid carbon dioxide under pressure, communicating means between said expansion chamber and said container, a nozzle at the end of said communicating means situated in said expansion chamber, whereby liquid carbon dioxide is adapted to be introduced in a finely divided state from said container into said chamber, a receptacle adapted to contain gaseous carbon dioxide under pressure, conduit means between said receptacle and said expansion chamber, injecting means at the end of said conduit means situated in said expansion chamber, water supplying means, and guiding means between said water supplying means and said injecting means adapted to bring water from said supplying means into said injecting means, whereby said water is adapted to be introduced in a finely divided state by said gaseous carbon dioxide into said expansion chamber.

2,102,246

TIME CONTROLLED ELECTRIC SWITCH FOR ELECTRIC BULBS

Abraham Weiss, New York, N. Y.

Application August 12, 1935, Serial No. 35,711
Renewed May 12, 1937
2 Claims. (Cl. 200—35)



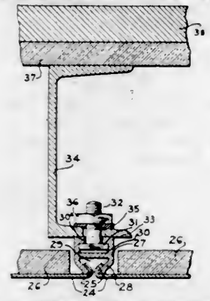
1. In an incandescent electric lamp a socket therefor, a clock mechanism in said socket including a driving gear and a time gear frictionally connected to said first named gear, an electric switch for the circuit of said lamp including a manually displaceable reciprocatory contact member cooperating with said time gear, so that when displaced in one direction, it will close the circuit and set said time gear for the desired period and when released will be caused to move in opposite direction by said time gear holding said circuit closed and on reaching its initial position open said circuit, said displaceable contact member forming a part of an endless manually operable pull means.

2,102,247

SHEET MATERIAL BUILDING CONSTRUCTION

John J. Whelan, Washington, D. C., assignor to Copper Houses, Inc., New York, N. Y., a corporation of Maryland

Application October 4, 1935, Serial No. 43,577
7 Claims. (Cl. 189—34)



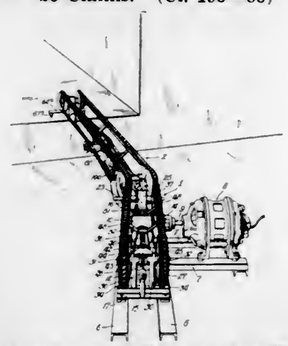
1. A house or like structure including in combination: a supporting framework; a coupling-bar adapted to be secured to the said supporting framework and having both a longitudinal flange-receiving channel and a longitudinal attaching-groove therein; attaching-means entered into the longitudinal coupling-groove of the said coupling-bar and anchoring the same to the said supporting framework; and a pair of panels of sheet-material arranged with their edges adjacent and each having an offsetting coupling-flange entered into the flange-receiving channel of the said coupling-bar and coupled with one of the boundary walls thereof.

2,102,248

CONVEYER

Walter C. Yeakel, Battle Creek, Mich., assignor, by mesne assignments, to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application February 25, 1935, Serial No. 7,954
26 Claims. (Cl. 198—88)



7. A conveyer comprising a plurality of conveyer sections, conveying means on each of said sections, a longitudinal shaft extending from one end to the other of each of said sections for driv-

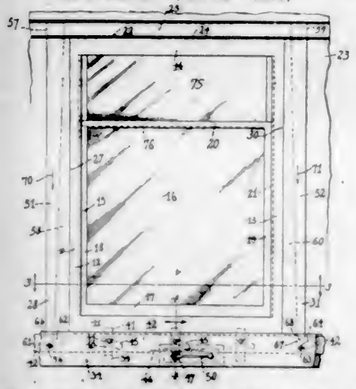
ing the conveying means of that section, a universal joint connecting the end of one longitudinal shaft with the adjacent end of the next shaft, means for supporting the end of one section on the adjacent end of the next section including a yoke swiveled for movement about one axis and carried by one section, a second yoke carried by the other section and swiveled for movement about an axis disposed at right angles to said first axis, and means pivotally supporting the arms of one yoke on the arms of the other yoke for relative movement about an axis at right angles to both of the aforesaid axes, all of said axes intersecting at a point in the plane of the axes of the universal joint connecting the two associated longitudinal shafts.

2,102,249
ANODE
John L. Young, Pittsburgh, and Allen C. Jephson, Johnstown, Pa.
Application June 10, 1935, Serial No. 25,728
4 Claims. (Cl. 204—4)



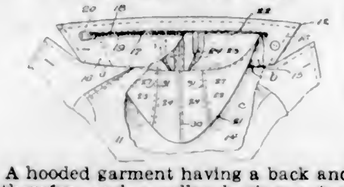
1. An anode of specific particular shape and size and of labyrinthine structure formed wholly of metal in metallic state consisting of a mass of tin-plated iron crushed to the shape desired with a multiplicity of discontinuous contacts, the mass being autogenously welded at such contacts.

2,102,250
RELEASABLE WINDOW
William J. Zeeb, New York, John T. Dammes, Brooklyn, and Alfred C. Morris, New York, N. Y., assignors to Emergency Window and Exit Devices Corporation, New York, N. Y.
Application March 12, 1936, Serial No. 68,380
12 Claims. (Cl. 20—52.2)



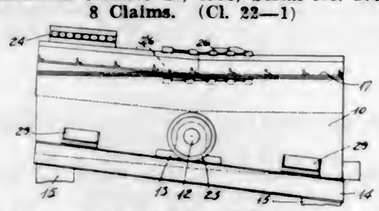
8. In a window, having a frame carrying the window pane and being set into an opening in a wall, means to secure said frame in said opening, and a slidable element arranged on said wall adjacent to said frame, a single movement of said slidable element being adapted to instantly release said securing means, and permit said frame to be pushed out of said opening, either inwardly or outwardly.

2,102,251
HOODED GARMENT
Morris Arst, Chicago, Ill.
Application April 29, 1937, Serial No. 139,655
2 Claims. (Cl. 2—84)



1. A hooded garment having a back and a lining therefor, and a collar having a top collar portion sewed to the lining and an undercollar portion secured to the back, said collar, back and lining providing a storage space for a hood, the undercollar portion having a lengthwise extending slit therein, fastening means for closing said slit, and a completely formed hood, with the front and back thereof folded together at the sides, and having an upright box pleat in its back, the hood being pressed flat to form creases along the marginal edges thereof and at the box pleat, said hood being stitched along its neck portion to the collar, on the inner side thereof, adjacent the slit therein, and capable of being stored in said space in a smooth condition.

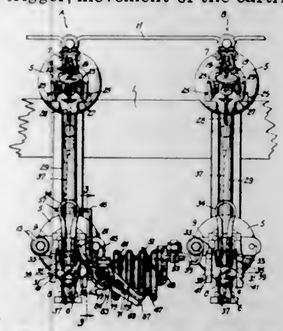
2,102,252
GYRATING MACHINE
George W. Behnke, Durand, Mich., assignor to Simplicity Engineering Company, Durand, Mich., a corporation of Michigan
Application October 12, 1936, Serial No. 105,302
8 Claims. (Cl. 22—1)



1. A screening apparatus of the class described and comprising a base, a gyrating screen frame mounted thereon and including spaced apart side walls, "work" supporting tracks secured to said side walls and adapted to support the "work", a screen interposed between said tracks, and driven means for gyrating said frame.

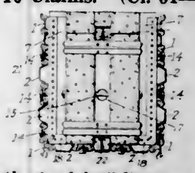
2,102,253
FUSE SWITCH
Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application May 18, 1935, Serial No. 22,139
7 Claims. (Cl. 200—126)

7. An attachment for fuse switches having line terminals and swingable cartridges, comprising a bracket adapted to be fastened to one line terminal adjacent the point of swinging of the cartridge, an insulator thereon, a contact carried by the insulator and adapted to be electrically connected with another one of said fuse switches, a switch blade pivoted to said bracket and normally insulated from said contact, an over-centering spring adapted to hold said switch in either normally open position, or to move the same to engage said contact, a trigger pivoted to said bracket at the same center as the switch blade and having a lost-motion engagement with a portion of said blade, a spider pivoted to said bracket having means engageable with the cartridge whereby the spider partakes of the cartridge movement, and having means engageable with said trigger, movement of the cartridge con-



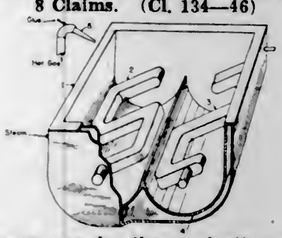
trolling said spider to permit the trigger to be temporarily positioned to be engaged by the cartridge whereby the trigger is caused to over-center the switch blade, said spring independently closing the blade, said means for setting the trigger being adapted to reset the same and to effect over-centering opening of the switch blade.

2,102,254
METHOD AND APPARATUS FOR BUILDING SEA WALLS
James B. Brockhurst, Red Bank, N. J.
Application May 21, 1934, Serial No. 727,449
16 Claims. (Cl. 61—52)



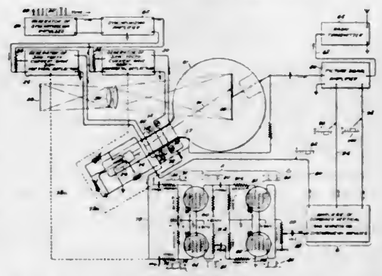
1. The method of building sea walls and the like which consists in erecting a coffer dam extending below the bottom of the desired structure, in placing successive massive blocks in the upper portion of the said coffer dam, and in lowering the blocks by scouring out the material beneath the block and discharging it between the block and the coffer dam.

2,102,255
PROCESS FOR THE MANUFACTURE OF COMPOSITE GLUE PRODUCTS
Charles H. Campbell, Kent, Ohio
Application November 6, 1935, Serial No. 48,468
8 Claims. (Cl. 134—46)



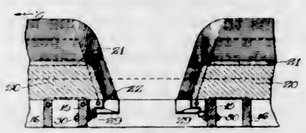
1. In a process for the production of a pulverulent, composite glue product, the steps comprising heating a finely divided, inert base, agitating the base with the type of agitation accomplished by mixer arms, during the agitation directing a nebular spray of glue solution upon the surface of the agitated base, and simultaneously directing a flow of hot gas around the glue spray partially to dry the glue before it impacts upon the base material, the total heat being sufficient to dry the glue before substantial agglomeration of base particles occurs.

2,102,256
TELEVISION SYSTEM
Richard L. Campbell, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1933, Serial No. 672,963
Renewed October 16, 1936
14 Claims. (Cl. 178—7.2)



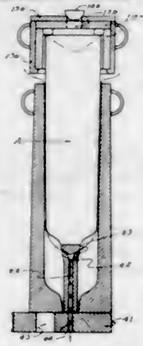
1. In a television transmission system, electron apparatus for developing picture signals, means for developing control signals, means for effecting scanning action of said apparatus and including a generator of an electrical wave of a given frequency, said generator being supplied with said control signals and maintained in operation thereby at said given frequency, and means supplied with electrical impulses from said generator and operating to develop therefrom synchronizing impulses for transmission.

2,102,257
FURNACE CONSTRUCTION
George L. Danforth, Jr., Chicago, Ill., assignor to Open Hearth Combustion Company, Chicago, Ill., a corporation of Delaware
Application August 21, 1936, Serial No. 97,165
2 Claims. (Cl. 263—46)



1. In a furnace, a wall of the furnace having a doorway formed therein, the outer face of the wall being substantially vertical and the inner face of the wall being upon such an angle that bottom-making material will lie on said wall, bottom-making material extending up on said wall, the doorway in the wall having downwardly and inwardly inclined sides whereby the bottom of the doorway is narrower than the top, and the doorway being larger on the inner face of the wall than upon the outer face of the wall, the opening flaring toward the inside of the furnace.

2,102,258
METHOD OF PRODUCING INGOTS
George A. Dornin, Baltimore, Md.
Application March 26, 1931, Serial No. 525,525
25 Claims. (Cl. 22—216)



3. The method of treating ingots comprising directly surrounding the skin of an ingot with a confined treating atmosphere while the major portion of the body of the ingot metal is still molten, controlling the movement of said atmosphere, and varying the movement of said atmosphere over different portions of the skin of the ingot in direct contact therewith to increase the cooling rate of the lower portion of the ingot relative to the rate of cooling of the upper portion to effect the freezing of the molten interior of the ingot from the bottom upward.

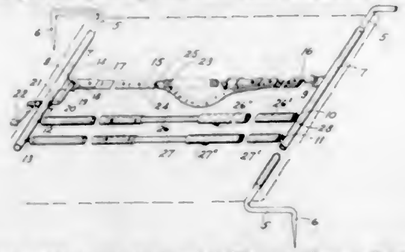
2,102,259
PIPE CUTTING AND WELDING BENCH
Paul A. Edwards and Martin G. J. Gross, Pittsburgh, Pa., assignors to G. F. Higgins Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 9, 1936, Serial No. 104,902
23 Claims. (Cl. 29—33)



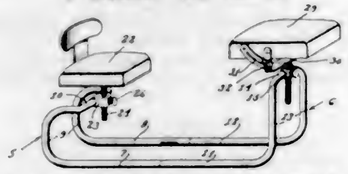
1. A work bench of the class described, comprising a supporting structure having a main bench portion having means to receive and support a length of straight pipe, supporting means for holding fittings of different diameters located adjacent to but beyond one end of the bench having means thereon for engaging and holding fittings over a range of sizes in position to be welded to such straight length of pipe, and means for effecting relative vertical movement between the supporting means on the bench and the supporting means for the fittings to maintain the pipe and the fittings in horizontal alignment whereby the bench can be used with pipes and fittings over a range of diameters.

2,102,260
GRAVE CONCEALING DEVICE
Emil M. Elder, Cleveland Heights, and Wayne D. Goodyear, London, Ohio, assignors, by direct and mesne assignments, to The Joseph M. Stern Company, Cleveland, Ohio, a corporation of Ohio
Application September 25, 1937, Serial No. 165,738
9 Claims. (Cl. 27—30)

3. In grave concealing apparatus, a pair of rotatable members supported adjacent opposite top edges of a grave, a mat having a portion adapted to overlie at least a part of the grave opening, a supporting member secured to said portion of said mat and adapted to extend across the grave opening between said rotatable members, means on said rotatable members adapted to support said mat supporting member, and means for controlling the rotation of said rotatable members whereby said mat may be supported over the grave opening or permitted to drop thereinto.

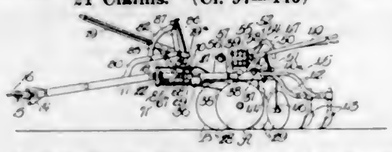


2,102,261
CHIROPODIST'S STOOL
Harold C. Fotre, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York
Application March 25, 1935, Serial No. 12,787
4 Claims. (Cl. 155—2)



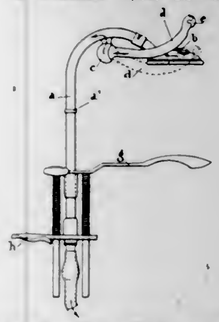
1. In a stool of the character described, a base comprising a pair of U-shaped members each having the parallel legs thereof bent at an intermediate point to elevate the cross leg leaving the remainder of the parallel legs for disposition on the floor, the free ends of the parallel legs of each member being arranged for telescopic connection with the legs of the other member, a seat supported by one elevated cross leg, and a rest supported by the other elevated cross leg.

2,102,262
TRACTOR LISTER CULTIVATOR
William S. Graham, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application January 31, 1936, Serial No. 61,827
21 Claims. (Cl. 97—143)



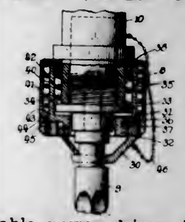
1. A lister cultivator comprising a frame member, a plurality of cultivator units, draft means pivotally connecting said cultivator units to said frame member for movement relative to each other and to the frame member, and means mounted on said frame member and connected to said draft means for equalizing the position of the line of draft of said cultivator units about the line of draft of said lister cultivator.

2,102,263
SALIVA EJECTOR
Hubert Grunewald, Paris, France
Application May 6, 1935, Serial No. 20,038
In Germany July 26, 1934
8 Claims. (Cl. 32—33)



7. An apparatus for collecting saliva from the inside of the mouth, which comprises, in combination, at least one hollow element provided with an inlet opening adapted completely to cover the outlet of at least one salivary duct whereby said duct then opens into a closed chamber formed by said element, said element being of centrally bifurcated arcuate shape, and a suctions means connected with said element.

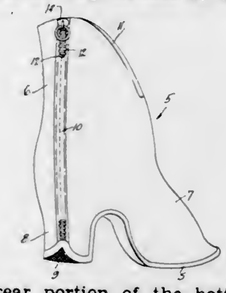
2,102,264
TOOL RETAINER FOR PORTABLE POWER DRIVEN TOOLS
Joseph F. Haas, Forest Park, Ill., assignor to Wodack Electric Tool Corporation, Chicago, Ill., a corporation of Illinois
Application May 19, 1934, Serial No. 726,515
5 Claims. (Cl. 121—32)



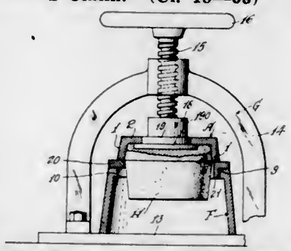
1. In a portable power driven tool having a barrel and a tool reciprocable in one end thereof, means for removably retaining the tool in position in the barrel comprising an arcuate retaining member having inturned flanges at opposite ends for respectively engaging the barrel and the tool, said barrel having a part provided with a groove to receive one flange of said retaining member, said part being resiliently mounted on the barrel proper to cushion the shock on said retaining member of the reciprocable movement of the tool, and disengageable means resiliently urged into locking position for locking the retaining member in position on the end piece.

2,102,265
OVERSHOE AND THE LIKE
Bert Halberstadt, New York, N. Y.
Application February 25, 1937, Serial No. 127,585
1 Claim. (Cl. 36—7.3)

An article of foot wear of the character described comprising a sole, an upper having a vamp and a rear section including a heel enclosing portion, a bottom wall for the heel enclosing portion having its rear portion extended upwardly, the said vamp and rear section being formed of soft material and the rear section being provided with an unobstructed slit extending from the top thereof to the upwardly extending rear portion of the bottom wall of the heel so that a foot of the wearer may be readily inserted from the rear and the upwardly extending portion of the bottom wall of the heel will serve to reinforce the lower end of the slit, a slide fastener section secured to each side edge of the slit, and a slide for separating and uniting said fastener sections.

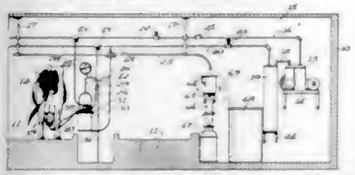


2,102,266
APPARATUS FOR REMOVING CONTENTS OF FLASKS
Edward J. Handler, Irvington, N. J.
Application June 29, 1937, Serial No. 150,902
1 Claim. (Cl. 18—33)



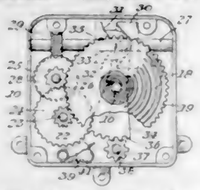
Apparatus for removing material from a flask which comprises two hollow complemental sections, one being cup-shaped and the other being hollow with open ends and the edges of said sections being in abutting relation, said hollow section having a plurality of projections on the outer side of its wall and the other section having an opening in its bottom wall and a plug slidable in said opening to close it, and said flask containing material exposed through one end of said hollow section, said apparatus comprising a hollow jack frame having a rim at one end to receive and cooperate with said projections on the hollow flask section and support said flask with the cup-shaped section in suspended relation and free from said jack frame, an adaptor ring to separably seat on said rim to receive and support said cup-shaped section up-side down at its edge, a press comprising a base to support said jack frame, a yoke mounted on said base, and a screw in said yoke movable toward and from said base with one end formed to engaged said plug and pass through said opening in the cup-shaped section and to engage the material in said hollow section at the end of the latter opposite said jack frame, whereby to force the material from said flask sections.

2,102,267
PRESSURE RELEASER MILKING SYSTEM
Floyd G. Hodsdon, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application March 24, 1937, Serial No. 132,676
8 Claims. (Cl. 31—58)



1. In a releaser milker system, a milk receiver pail to receive milk from a milking machine, a vacuum pipe to supply vacuum to the pail and machine, a milk pipe in the system including a connection with the pail, the combination with said pail of a source of compressed air, means to cut off the vacuum supply to the pail, and means to supply compressed air from said compressed air supply to the pail whereby the milk in the pail will be forced therefrom into the milk pipeline through its connection with the pail.

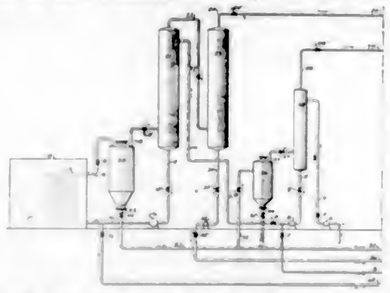
2,102,268
WINDSHIELD WIPER
David Hoppenstand, Pittsburgh, Pa.
Application April 2, 1935, Serial No. 14,251
2 Claims. (Cl. 185—37)



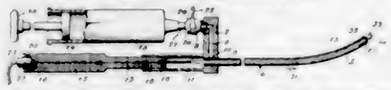
1. A windshield wiper comprising an oscillatable shaft having a wiper arm thereon, an oscillatable gear segment for driving a pinion on said shaft, a barrel cam having its axis at right angles to said shaft and having a sinuous groove therein, a follower rigid with said segment cooperating with said groove, and a motor for driving said cam.

2,102,269
CRACKING OF HYDROCARBON OILS
Lyman C. Huff, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 26, 1930, Serial No. 431,405
Renewed April 30, 1935
5 Claims. (Cl. 196—49)

1. A hydrocarbon oil cracking process which comprises initially cracking the oil in a primary cracking zone under sufficient pressure to retain a substantial portion thereof in the liquid phase, separating the thus treated oil into vapors and unvaporized oil, simultaneously cracking a condensate separated from said vapors in the vapor phase in a second cracking zone, flash distilling said unvaporized oil by pressure reduction and dephlegmating the resultant flashed vapors independently of the vapor phase cracked vapors from said second cracking zone and in contact with fresh charging oil for the process thereby forming a mixture of unvaporized charging oil and flash reflux, dephlegmating the vapors from said primary cracking zone and the vapors from said second cracking zone in contact with portions of said mixture, then supplying the charging oil and resultant reflux condensate to the primary cracking zone, and condensing the dephlegmated vapors.

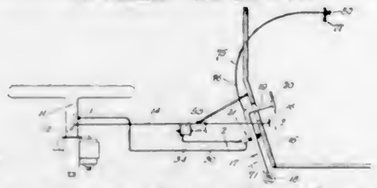


2,102,270
ELECTROSURGICAL DEVICE
Mortimer N. Hyams, New York, N. Y.
Application November 29, 1935, Serial No. 52,037
2 Claims. (Cl. 128—303.17)



1. In combination with a medical instrument comprising a tube, an electrode adjacent one end of said tube, a handle adjacent the opposite end of said tube, an insulated conducting wire connecting said handle with said electrode and situated within said tube, and means connecting said wire to a source of electrical energy, said handle, said wire and said electrode being movable relatively to said tube, a free space being provided within said tube between the inner surfaces thereof and the outer surfaces of said insulated conducting wire for the passage of a fluid, a support firmly connected with said opposite end of the tube, a passage being formed in said support which is in communication with the interior of said tube, and a syringe carried by said support and in communication with said passage.

2,102,271
AUTOMATIC THROTTLE
Frank J. Irving, Los Angeles, Calif.
Application November 28, 1933, Serial No. 700,095
11 Claims. (Cl. 192—.01)



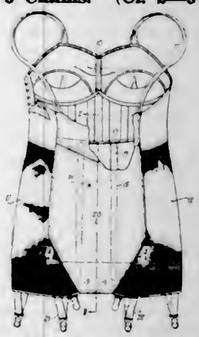
1. In a device as described the combination of an engine provided with an intake manifold having a throttle valve and developing a suction in the manifold and a clutch controlled by a movable clutch lever, a suction operated power device, an interconnection between said power device and throttle, a suction operated valve and a suction air connection between the intake manifold and the intake manifold and the valve, and between the valve and the power device, the said valve having a valve closure normally seated when subjected to suction, and an operative means interconnecting between the valve and the clutch lever to open the valve on closing of the clutch thereby giving a suction connection between the intake manifold and the power device.

2,102,272
FILING CABINET SHELL
Frank D. Jonas, East Williston, N. Y., assignor to Oxford Filing Supply Co., Brooklyn, N. Y., a partnership composed of Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas
Application March 31, 1934, Serial No. 718,447
2 Claims. (Cl. 45—2)



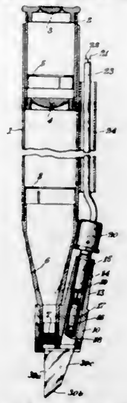
1. A combination comprising a plurality of open end filing cabinet shells arranged in at least two columns of adjacent stacks, each shell being made of flexible, fibrous material, and having a reinforcing metal column of hollow section secured to the sides of the open ends thereof, means for interlocking adjacent shells comprising a metal key lying in the adjacent ends of the columns and having a central peripheral boss to space the columns and means interconnecting the adjacent keys at the bosses of adjacent stacks to lock the stacks together.

2,102,273
CORSET, GIRDLE, AND THE LIKE
Mario Laguzzi, West Haven, Conn., assignor to The Strouse Adler Company, New Haven, Conn., a corporation of Connecticut
Application November 15, 1935, Serial No. 49,867
5 Claims. (Cl. 2—37)



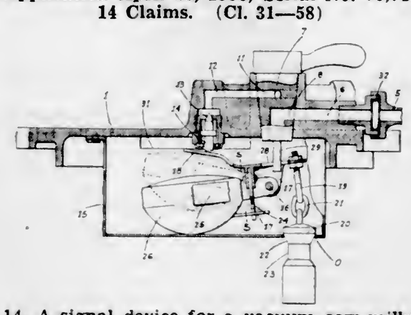
1. A garment of the class specified having a back section of material substantially non-elastic in the vertical direction extending below the waist and the edge of which, at its lower portion, from both sides of it and from some distance above the lower edge of the garment, extends toward the centerline of the back, and a section of material, elastic in the vertical direction, at each side of said back section and extending from substantially the waist of the wearer to the lower edge of the garment and attached to the edge of said back section at both sides of and throughout the length of said back section below the waist, thereby having portions located between said back section and the lower edge of the garment as well as at both sides of said back section.

2,102,274
MICROSCOPE FOR PATHOLOGICAL RESEARCH
Louise D. Larimore, New York, N. Y.
Application June 29, 1934, Serial No. 732,962
3 Claims. (Cl. 128—6)



1. In a compound microscope, the combination with a tubular body, an eyepiece, and an objective, of a wedge-shaped transparent contact member projecting from said tubular body and having a contact surface parallel with the line of vision and a reflecting surface in the line of vision constructed and arranged to totally reflect light rays from said contact surface to the objective of said compound microscope, and an illuminating lamp arranged alongside of and screened from said objective in position to direct its light rays to said contact surface by total reflection from said reflecting surface.

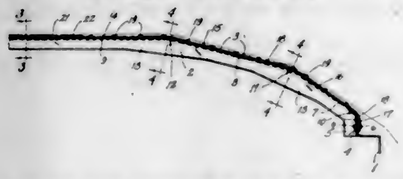
2,102,275
AUDIBLE SIGNAL FOR MILKING MACHINES
Philip H. J. Martin, Sacramento, Calif.
Application April 28, 1936, Serial No. 76,741
14 Claims. (Cl. 31—58)



14. A signal device for a vacuum cow milking machine including an audible signal mounted in

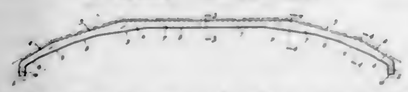
connection with the machine, a normally closed valve to control the actuation of the signal and a means to open the valve upon completion of the milking operation.

2,102,276
CAR ROOF
Walter P. Murphy, Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application October 3, 1936, Serial No. 103,832
12 Claims. (Cl. 108—5.4)



1. A car roof comprising side plates, carlines extending from side plate to side plate, roof sheets extending from side plate to side plate and a runway, the upper surfaces of the carlines and sheets conforming substantially to the established tunnel clearance outline throughout the width of the car and of the sheets with their ridge portions horizontal and spaced low enough for the runway to clear said outline, and said runway comprising expanded metal laid directly on the roof sheets throughout its length.

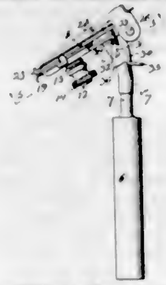
2,102,277
CARLINE
Walter P. Murphy, Chicago, Ill., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania
Application October 3, 1936, Serial No. 103,833
3 Claims. (Cl. 108—5.6)



1. A carline for car roofs whose upper surface substantially conforms to the established tunnel clearance outline and whose lower surface has certain portions, which are substantially parallel with but of shorter length than the adjacent portions of the upper surface, and other portions, which connect the ends of said short portions and substantially increase the depth of the carline in the regions of the breaks in its upper surface.

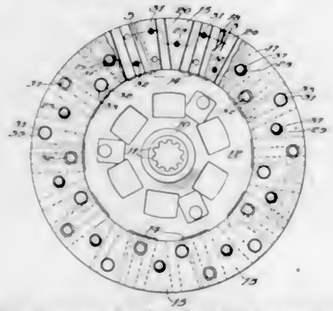
2,102,278
SAFETY RAZOR
William Myer, New York, N. Y.
Application August 8, 1935, Serial No. 35,241
3 Claims. (Cl. 30—58)

2. A safety razor including a handle having a head mounted thereon of substantially triangular shape against the top surface of which the blade is adapted to rest, a comb member to cooperate with one of the cutting edges of the blade adjacent one of the edges of said triangular head and a non-flexing triangularly shaped blade having an aperture therein, an angular and revolvable blade engaging member on said head adapted to be received in the aperture of said blade, a stud on said blade engaging member extending downwardly through an aperture in the head, a spring on said stud urging said blade engaging member downwardly, and means below the head for turning said stud and said blade engaging member to turn the razor blade to bring



its different cutting edges in co-operative relation with the comb, and means for clamping the blade on said head.

2,102,279
CLUTCH PLATE
George E. Pope, Stratford, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of Connecticut
Application February 24, 1937, Serial No. 127,365
12 Claims. (Cl. 192—107)

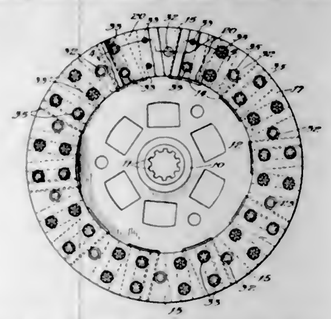


1. An improved clutch plate, comprising a mounting plate, a pair of annular friction facings disposed in juxtaposed relation on opposite sides of the plate, and means for securing said elements to the plate, including a plurality of overlapping circularly spaced sectoral leaf springs rigidly secured to said plate and to one of said facing elements, whereby application of pressure causes said facings to move toward each other for producing uniform, smooth resilient driving engagement.

2,102,280
CUSHIONED CLUTCH PLATE
George E. Pope, Stratford, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application April 17, 1937, Serial No. 137,461
14 Claims. (Cl. 192—107)

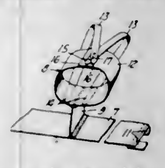
1. An improved clutch plate, comprising a mounting plate, a pair of axially spaced apart annular friction facing elements disposed on opposite sides of said plate, resilient means connecting said facings to the mounting plate, and normally maintaining said facings in spaced relation to said plate, said means being formed so that upon compression of the facing elements toward each other one of said facing elements is moved an angular amount relatively to the other facing element for producing smooth and

uniform clutch engagement, and means interconnecting said resilient means with said mount-



ing plate for limiting the amount of axial separation of said facing elements.

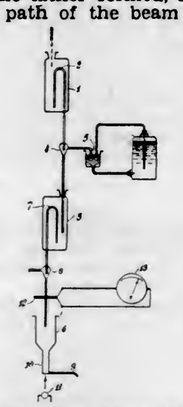
2,102,281
BABY SUPPORT
Mary Pringle, Alameda, Calif.
Application March 11, 1935, Serial No. 10,436
2 Claims. (Cl. 128—134)



1. A baby support comprising, a strap adapted to be secured to a support for supporting the baby when lying down, a body band to encircle the body of the baby and having an intermediate portion thereof normally adapted to engage the back of the baby's body, and a flexible restraining tie of relatively thin material substantially equal in length to the radius of said band and of a character to enable the baby to lie thereon without discomfort, said tie secured to said strap and to the band at the said intermediate portion thereof, whereby with the baby resting on its back it may without turning shift sidewise to either side of a vertically aligned position of the secured points of said tie and strap.

2,102,282
AUTOMATIC APPARATUS FOR DETERMINING THE HARDNESS OF WATER
Cecile Marguerite Roy, Meudon, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France
Application April 25, 1936, Serial No. 76,319
5 Claims. (Cl. 23—253)

1. An automatic apparatus for the determination of hardness of water comprising a vessel into which flows the water the hardness of which is to be measured, a syphon in said vessel to remove therefrom a definite quantity of water for each determination, a suction injector in the tube from said syphon and adapted to introduce into the water a definite quantity of soap solution, a further vessel into which the mixture of water and soap solution passes whence it is transferred by means of another syphon, a suction injector in the tube from this syphon and adapted to introduce into the mixture a quantity of air whereby a lather is formed, a source of electromagnetic radiations adapted to cast a beam through the lather formed, a photo-electric cell in the path of the beam after it has

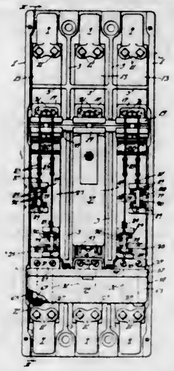


passed through the lather, and means for measuring the current passing through the cell.

2,102,283
ALLOY STEEL
Byramji D. Saklatwalla, Crafton, Pa.
No Drawing. Application March 6, 1936, Serial No. 67,508
4 Claims. (Cl. 75—125)

2. An alloy consisting of chromium 3% to 8%, copper 2% to less than 5%, molybdenum .6% to 1%, carbon .1% to .25%, manganese .1% to 1%, silicon .5% to less than 1%, and the balance being iron with the exception of incidental impurities such as phosphorus and sulphur.

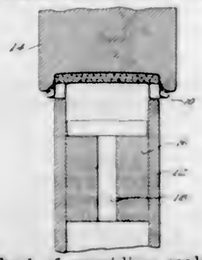
2,102,284
CIRCUIT INTERRUPTER
Jerome M. Sandin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1935, Serial No. 40,193
16 Claims. (Cl. 200—107)



1. In a circuit interrupter, separable contact means for opening and for closing the main electrical circuit therethrough, actuating means for said main contact means mechanically connected thereto, said main contact actuating means having three positions, an open circuit, a closed circuit, and a tripped position, a plurality of auxiliary switching means, said auxiliary switching

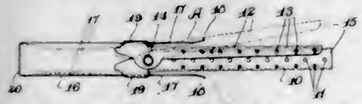
means being mechanically connected to be operated by said main contact actuating means, and at least one of said auxiliary switching means being operated when said main contact actuating means is moved to the open circuit and to the closed circuit position and at least one other of said auxiliary switching means being operated by an element of said main contact actuating means which moves only when said main contact actuating means is moved to the tripped position.

2,102,285
METHOD OF PRODUCING CROWN CAPS
Harry M. Schmidt, Chicago, Ill., assignor to Mitchell & Smith, Inc., Detroit, Mich., a corporation of Massachusetts
Application January 8, 1937, Serial No. 119,638
2 Claims. (Cl. 113—80)



1. The method of providing sealing caps with an impervious facing, which consists in holding the sealing face of the cap in operative engagement with a hollow delivery tube which circumscribes the area of the facing to be applied, delivering to the exposed face of the cap within the tube a dissolved plastic in a liquid phase, and thereafter withdrawing the surplus of dissolved plastic while the cap is still maintained in operative relation to the delivery tube to leave the cap with a relatively thin residuum of plastic film which hardens and assumes solid form upon exposure to air.

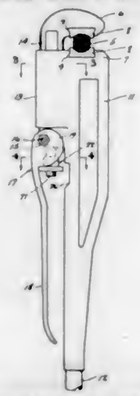
2,102,286
HAIR CURLER
William H. Schmitt, St. Paul, Minn.
Application July 12, 1935, Serial No. 31,015
14 Claims. (Cl. 132—33)



1. In a hair curler, a tubular member having holes therethrough, a clamp pivoted to one end thereof and adapted to engage and hold the end strands of hair to be wound on said tubular member, and a slidable clamping member slidably mounted on said tubular member and said clamp and supported substantially parallel thereto adapted to slide over the hair wound on said members to lock the same closed and hold the hair in curling position on said curler.

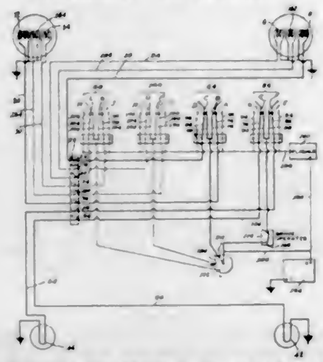
2,102,287
WIRE LINE TWISTER
James A. Smethers, Andrews, Tex.
Application March 26, 1935, Serial No. 13,083
7 Claims. (Cl. 81—87)

1. In a wrench, a pair of clamping jaws, a movable supporting arm structure for one of said jaws, and a cam operating to move said arm structure toward clamping position, said structure having adjustment means cooperating with said cam for varying the jaw opening in clamping position, said adjustment means and



cam having cooperating locking surfaces for maintaining said means in adjusted position, said supporting arm structure also being movable independently of said cam toward clamping position to free said locking surfaces.

2,102,288
SIGNALING MEANS FOR VEHICLES
Roland L. Smith, Belmont, Mass.
Application June 27, 1935, Serial No. 28,616
13 Claims. (Cl 177—337)

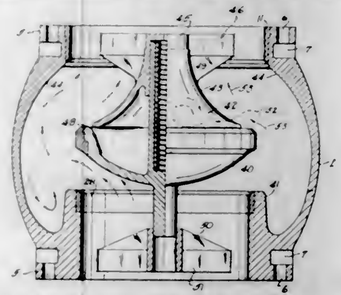


7. In a signaling system for vehicles, a source of current, two pairs of filaments, each filament connected to the current source by at least two parallel circuits, one pair of filaments on the right, the other pair on the left of the vehicle, means for lighting simultaneously one filament of each pair of filaments with continuous current, means for discontinuing continuous current to one of said lighted filaments and means for thereafter supplying intermittent current to both filaments of one pair.

2,102,289
DIRECT FLOW CHECK VALVE
Michael Smolensky, Cleveland, Ohio
Application October 10, 1933, Serial No. 692,974
2 Claims. (Cl. 251—144)

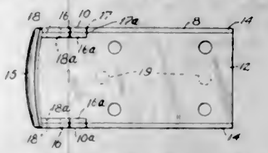
1. A check valve comprising a one piece body arranged for connection with pipes at its ends

and having a chamber therein of circular cross section and axially aligned entrance and exit passages at the opposite ends of the chamber respectively, a crown about the entrance passage extending into the chamber and defining with the walls thereof a relatively deep annular trough, a closure disk seatable on said crown and movable toward and away from said crown for opening and closing the valve, a spider in the entrance passage, a bearing carried by the spider, a detachable spider in the exit passage, a bearing carried thereby and coaxial with the first



bearing, posts on the disk slidably accommodated by said bearings, a shield integral with the bearing in the exit passage and extending therefrom into the chamber in spaced relation to the walls thereof and flaring radially outwardly toward the disk and terminating at its larger end substantially flush with the limit of the disk nearest the exit passage when the disk is in fully opened position, and a compression spring operatively interposed between the disk and detachable spider and urging the disk to seated position on the crown.

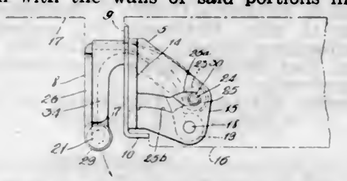
2,102,290
COVERED JOINT HINGE
Joseph Soss, Roselle, N. J.
Application March 14, 1935, Serial No. 10,963
12 Claims. (Cl. 16—148)



9. A hinge comprising two hinge butts, one of said hinge butts being composed of two parts arranged and fitting snugly one within the other, each part of said butt having at one end a curved extension including top and bottom walls continuous with and extending angularly from the upper and lower edges of said extension, and the adjacent top and bottom walls of said parts collectively forming thick pintle bearings.

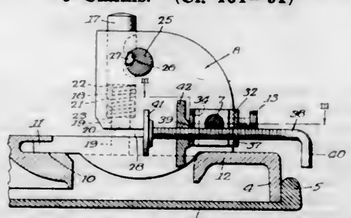
2,102,291
CONCEALED HINGE
Joseph Soss, Roselle, N. J.
Application February 20, 1936, Serial No. 64,830
14 Claims. (Cl. 16—166)

9. A concealed hinge of the class described comprising a butt housing and two hook arm butt parts, one end of each of said parts having an independent mounting in the butt housing, the other end of said parts being pivotally coupled together, both parts comprising a substantially straight outer portion and a curved inner portion with the walls of said portions in sub-



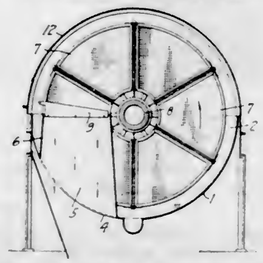
stantially parallel relation with respect to each other when said parts are in closed position.

2,102,292
BACK GAUGE FOR PUNCHES
Charles V. St. Louis and George J. Rundblad, Chicago, Ill., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 26, 1936, Serial No. 107,644
6 Claims. (Cl. 164—91)



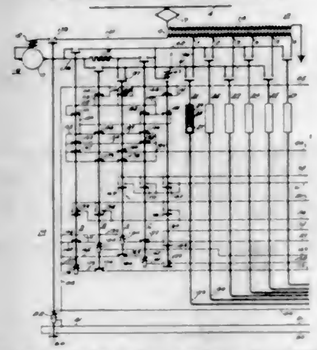
1. In a punch, a back gauge comprising a pair of U-shaped members, a screw extending through said U-shaped members, a flat disk permanently secured to the forward end of said screw, and a lock nut operable to prevent movement of said screw relative to said U-shaped members.

2,102,293
FILTER
Ernest J. Sweetland, Piedmont, Calif., assignor to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada
Application March 23, 1936, Serial No. 70,316
3 Claims. (Cl. 210—201)



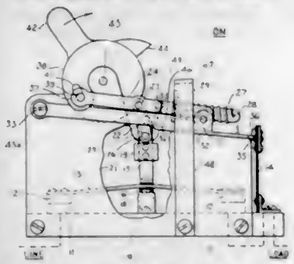
1. A rotary disc filter comprising: a substantially semicylindrical pan; a plurality of spaced filter discs accommodated within said pan; spaced, rectangular openings formed along one side of the bottom of said pan in registration with the spaces between said discs; rectangular hoppers secured to said pan in registration with said openings and extending vertically upward between said discs; said hoppers being spaced from said discs and from the adjacent side wall of the pan; and means for discharging the cake from said discs into said hoppers.

2,102,294
CONTROL SYSTEM
William R. Taliaferro, Charles C. Whittaker, and Lynn G. Riley, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 15, 1935, Serial No. 45,048
7 Claims. (Cl. 171—119)



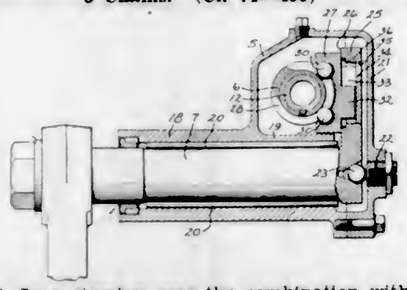
1. In a tap-changing system, in combination, electrical conversion apparatus, a plurality of switches for changing taps on said apparatus, fluid-pressure means for operating said tap-changing switches, circuit-breaking switches for connecting the tap-changing switches to a power circuit, means for controlling the operation of said circuit-breaking switches, and fluid-controlling means actuated by the circuit-breaking switch controlling means for controlling the operation of the tap-changing switches.

2,102,295
CIRCUIT BREAKER
Alfred J. Thomson, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application March 6, 1933, Serial No. 659,714
Renewed January 11, 1937
22 Claims. (Cl. 200—116)



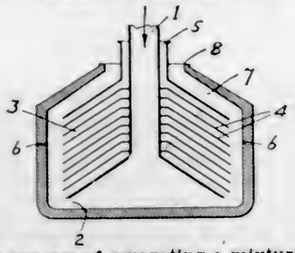
1. In a circuit breaker of the character described, an operating mechanism including an elongated pawl fixedly pivoted at one end to a fixed part, and normally held down at the other end by an overload release part, an operating crank fixedly pivoted to a fixed part and having a reset part for engaging said pawl and resetting it by moving it downwardly after it has been released by said release part and moved upwardly, an operating link connected at one end to said crank by a positive, lost-motion pivotal connection and positioned alongside said pawl, with its aforesaid pivotal connection adjacent the pivotal connection of the pawl, a compression spring on the end of said operating link adjacent the release part, and a spring compression link pivotally connected to the operating link and to the pawl.

2,102,296
STEERING GEAR
B. Wickliffe Twyman, Milwaukee, Wis., assignor to Lavine Gear Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 11, 1935, Serial No. 49,144
3 Claims. (Cl. 74—499)



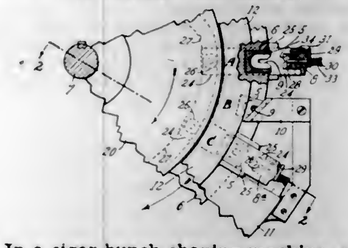
1. In a steering gear the combination with a worm cam and a rock shaft having a rocker arm member oscillatory adjacent the worm cam, of cam follower member having a portion interposed between said worm cam and arm with its external face in bearing contact with the arm, a bearing block fixed on one of said members and elongated in the direction of the radius of said arm, and a swivel element journaled in the other of said members and provided with a transverse slot in which said block is reciprocable in the relative movement of said members.

2,102,297
PROCESS AND APPARATUS FOR SEPARATION OF THE COMPONENTS OF A MIXTURE OF MORE THAN TWO COMPONENTS
Henri Walch and Jean Prélas, Paris, France, assignors, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application May 11, 1931, Serial No. 536,500
In Sweden June 11, 1930
7 Claims. (Cl. 233—20)



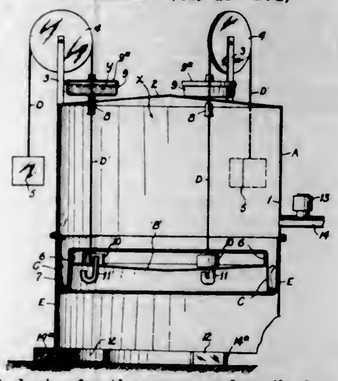
4. The process of separating a mixture of more than two constituents of which one of the heavier constituents is a relatively free flowing liquid and the other of the heavier constituents is a relatively viscous material, which comprises subjecting the mixture to centrifugal force, effecting separate discharge of the three constituents by so throttling the discharge through which the two heavier constituents tend to escape as to allow the escape therethrough of only the more free flowing of the two heavier constituents and compel separate outflow of the other heavier constituent.

2,102,298
CIGAR BUNCH SHAPER MECHANISM
Henry H. Wheeler, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application March 14, 1936, Serial No. 68,800
16 Claims. (Cl. 131—9)



1. In a cigar bunch shaping machine, a bunch mold for supporting cigar bunches to be shaped, a member having an operative face complementary to the shape of the mold for pressing a bunch into said mold, means for moving said member to and from pressing position in said mold, and stripping means carried by said member for stripping said bunch therefrom during the outward movement of said member.

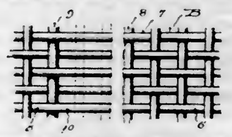
2,102,299
GASHOLDER
John H. Wiggins, Tulsa, Okla.
Application September 7, 1935, Serial No. 39,529
9 Claims. (Cl. 48—174)



9. A device for the purpose described, comprising a gas storage chamber formed by a stationary member having a side wall and a top wall both of which are fixed or immovable, a vertically movable piston in said stationary member which forms the bottom of said storage chamber, and a flexible sealing element attached to said piston for closing the space between said piston and the side wall of said storage chamber, said flexible sealing element being folded into a loop which depends from said vertically movable piston.

2,102,300
WIRE SEAM
Otto A. Abendroth, Appleton, Wis.
Application April 19, 1937, Serial No. 137,820
2 Claims. (Cl. 245—10)

1. The method of producing a seam in a wire fabric which comprises trimming the warp wires close to the end weft wire of one terminal of the fabric; removing a weft wire from the other terminal and substituting a solid fuse wire therefor; trimming the warp wires of the last mentioned terminal close to the fuse wire; bringing the terminals together with the fuse wire in close relation to the end weft wire and applying heat to the fuse wire to completely melt the same.



2,102,301
METHOD OF MAKING ELECTRIC HEATER ELEMENTS
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1935, Serial No. 26,847
2 Claims. (Cl. 201—64)



2. The process of making a heater element comprising a resistive conductor surrounded by insulating material and enclosed in a metallic envelope, which includes the steps of making an elongated shallow envelope member, making an elongated envelope member of a depth greater than the thickness of the insulating material in the finished article with inwardly inclined margins at the edges of its sides, making a cake comprising the resistive conductor surrounded by insulating material and bonded to the shallow member, then inserting said cake with the shallow member endwise into said deep member and flattening the margin against the shallow member.

2,102,302
RESISTOR ELEMENT
Edwin E. Arnold, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1935, Serial No. 26,848
6 Claims. (Cl. 201—69)

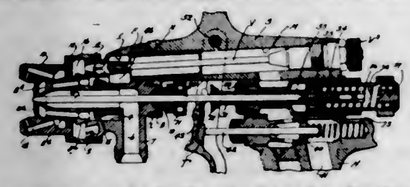


1. A conductive resistor element comprising a sinuous ribbon of sheet metal having transverse portions each in a plane normal to the plane of the element, margin portions joining each pair of successive transverse portions the margin portions being in a plane parallel to the plane of the element, said transverse portions having torsionally twisted portions, one at each end of each transverse portion uniting it to the respective margin portions.

2,102,303
SPRAY GUN VALVE
Svend Bramsen and Fritz Wahlin, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1935, Serial No. 47,580
9 Claims. (Cl. 251—134)

1. In a spray appliance, a body member, a trigger of light metal depending in front of the

said body member, a longitudinally movable needle valve extending freely through the said trigger, a tube coaxial with and freely housing a part of the valve behind the trigger and having a diametrically enlarged frontal head part, the tube being supported by and longitudinally slidable with respect to the said body portion, and a hardened metal presser plate fastened to the rear face of the trigger and having an aper-



ture through which the needle valve freely extends; the presser plate having thickened portions at opposite sides of the said aperture for simultaneously engaging portions of the tube head part at opposite sides of the axis of the latter part, which thickened portions have their rear faces convexed as portions of a common cylindrical surface which has its axis substantially intersecting the axis of the needle valve.

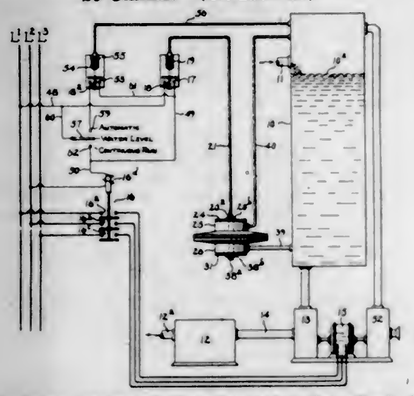
2,102,304

PRESSURE RESPONSIVE DEVICE

Allan P. Charbonneau, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application September 12, 1935, Serial No. 40,249

20 Claims. (Cl. 137—68)



1. In a device of the character described, in combination, a container adapted to receive a supply of liquid, a housing, a diaphragm located within said housing, means for subjecting the upper surface of the body of liquid within said container and the upper and lower surfaces of said diaphragm to the pressure conditions obtaining above said body of liquid, said means being adapted to additionally subject the lower surface of said diaphragm to a degree of fluid pressure proportional to the height above a given level of the level of liquid within said container, a switch located at a point remote from said housing, operating means for said switch, and means for rendering said operating means subject to control by said diaphragm, said last mentioned means including fluid means for transmitting movements of said diaphragm to said switch operating means.

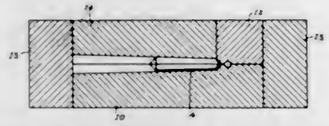
2,102,305

METHOD OF MAKING ABRASIVE TEETH FOR STONE SAWS

George W. Chormann, Niagara Falls, N. Y., and Harry J. Cowie, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Original application September 8, 1933, Serial No. 688,640. Divided and this application February 1, 1935, Serial No. 4,446. Renewed October 30, 1937. In Canada October 24, 1933

7 Claims. (Cl. 76—112)



1. The method of manufacturing an accurately fitting insert tooth for a stone-cutting saw which comprises shaping a sheath for the root of the tooth from sheet metal, placing the sheath in a die, confining an edge portion of the sheath with a supplemental die, introducing onto the die and sheath a mixture of abrasive grain and bonding material, and pressing the same to accurate shape while simultaneously molding edge portions of the root into the sheath.

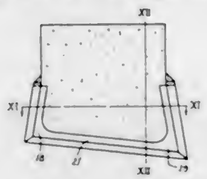
2,102,306

METAL REINFORCEMENT FOR ABRASIVE TEETH

George W. Chormann, Niagara Falls, N. Y., and Harry J. Cowie, Niagara Falls, Ontario, Canada, assignors, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application April 24, 1936, Serial No. 76,278

5 Claims. (Cl. 125—22)



1. An insert tooth for a stone-cutting saw comprising an abrasive member having a body and a root both flattened to enter a relatively narrow kerf, and a sheet metal sheath enclosing edges of said root and extending across at least one lateral face of said root, said edges being bevelled to conform to a V-shaped socket and the sheath being correspondingly shaped.

2,102,307

PROCESS FOR PREPARING OIL VARNISHES

August Chwala, Vienna, Edmund Waldmann, Klosterneuburg, near Vienna, and Aldo Martina, Vienna, Austria

No Drawing. Application February 19, 1936, Serial No. 64,652. In Austria February 28, 1935

8 Claims. (Cl. 134—26)

1. A varnish of high luster and good flow containing drying oil and an organic compound having an acetylene linkage selected from the group of organic carboxylic acids and substituted organic carboxylic acids.

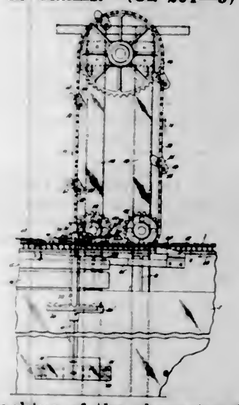
2,102,308

AUTOMATIC PLATING CONVEYER

Burton G. Daw, Webster Groves, Mo.

Application March 20, 1936, Serial No. 69,909

13 Claims. (Cl. 204—5)



1. In a machine of the character described, a plurality of carriers for the articles to be plated, an actuator for engaging and moving said carriers horizontally while the articles are immersed in an electrolytic solution, means operated by each carrier for disengaging the next succeeding carrier from said actuator for a short interval only, other means for thereafter disengaging said carriers successively from said actuator and stopping said carriers, a vertical actuator for transferring the carriers from one tank to another successively, and a series of pivoted supports on said vertical actuator for engaging and supporting the carriers during transfer operations.

11. In a machine of the character described, an approximately vertical wall, a carrier frame, a rail for supporting said carrier frame, rollers on said carrier frame operating on said rail and against said wall respectively, for guiding said frame horizontally and vertically, respectively, a continuously moving actuator for engaging and moving said frame horizontally when the articles are immersed in an electrolytic solution, a separate actuator for engaging, lifting, moving laterally and lowering said carrier frame to place certain of said rollers thereon on said rail in transferring the articles from one tank to another while others of said rollers operate against said wall, and mechanisms for operating said actuators, respectively.

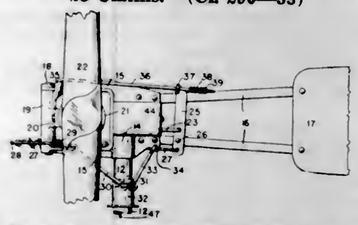
2,102,309

WIND DRIVEN GENERATOR STRUCTURE

William G. Dunn, Clarinda, Iowa

Application April 27, 1937, Serial No. 139,225

23 Claims. (Cl. 290—55)



21. In a wind driven generator structure, a support, a frame member pivotally mounted on said support on a vertical axis and a generator pivotally mounted on said frame member on a second vertical axis spaced from said first axis.

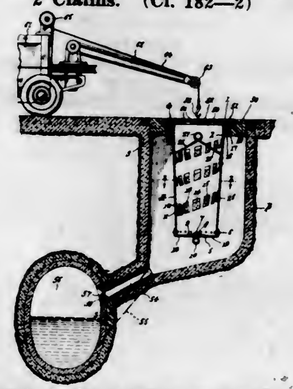
2,102,310

CONSTRUCTION OF SEWERS AND SEWER BASINS AND RECEPTACLES FOR USE IN SEWER BASINS

George F. Egan, Jersey City, N. J.

Application April 4, 1934, Serial No. 719,029

2 Claims. (Cl. 182—2)



1. A receptacle for catching solids for use in a sewer catch basin having a retaining frame, said receptacle fitting in the frame and having side drain ports arranged in a spiral with the distance of the ports from the bottom of the receptacle increasing in successive ports by an amount less than the diameter of a port whereby to effect a constant drain at any height in the receptacle.

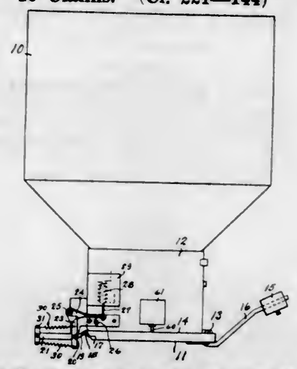
2,102,311

ELECTRICALLY CONTROLLED VALVE MECHANISM

Orin Wallace Fisher and Ralph Edwin Walter, Seattle, Wash., assignors to Fisher Flouring Mills Co., Seattle, Wash., a corporation of Washington

Application May 17, 1935, Serial No. 22,056

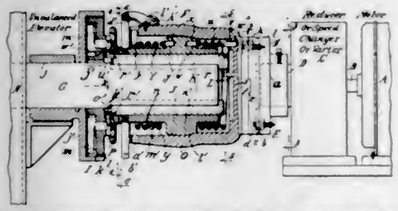
10 Claims. (Cl. 221—144)



1. In mechanism of the class described, a hopper having a discharge opening in its lower portion; a valve operatively positioned across said discharge opening and arranged to be in the path of discharging material when open; movable counterweight means operatively connected with said valve tending to close said valve, said counterweight means moving to a substantially balanced position in which it exerts substantially no

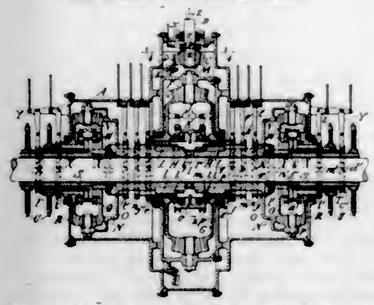
closing force on said valve when the valve is in a fully open position; and means positioned in the path of travel of said counterweight means engageable by said counterweight means when the counterweight means is in said substantially balanced position, said means affording a relatively light predetermined pressure urging the counterweight means out of balanced position, whereby a relatively light predetermined pressure tending to close said valve, when fully open, is provided.

2,102,312
COUPLING OR OTHER TRANSMISSION DEVICE
George Holt Fraser, Brooklyn, N. Y.
Application May 12, 1932, Serial No. 610,807
Renewed July 15, 1937
33 Claims. (Cl. 192—12)



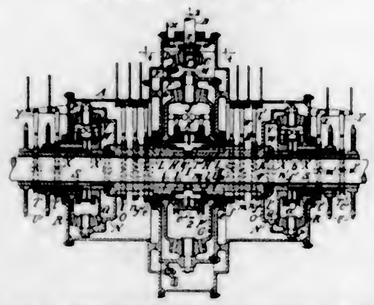
1. In rotation transmissions, a rotary driver member, for receiving and transmitting rotation, and a rotary driven member rotative with and relatively to said member, for receiving and transmitting rotation therefrom, and for permitting relative rotation of said members, said members having adjacent reciprocal transmission faces having semi-cylindrical reciprocal keyway provisions in their adjacent portions, for permitting rotative connection of said members, the combination therewith of a radially yieldable semi-cylindrical oscillatory key oscillatorily mounted in one of said keyways and movable therein into and out of engagement with the other of said keyways, for drivingly disengaging said members when in one position and for circumferentially yieldingly drivingly engaging said members when in another position, for yieldingly transmitting such rotation, and means for moving said key.

2,102,313
DRIVE AND DIFFERENTIAL
George Holt Fraser, Brooklyn, N. Y.
Original application November 21, 1932, Serial No. 643,664. Divided and this application November 16, 1935, Serial No. 50,223
20 Claims. (Cl. 74—316)



1. In rotation transmissions, members revoluble together and differentially about the same axis, one having a rotation permission and prevention clutch provision axially intermediate of said members and in operative relation to the other thereof, and rotation permission and differentiation prevention movable clutch means axially intermediate of and common to said members, rotatable with one thereof and in revoluble engagement with and revoluble relatively to said clutch provision of the other of said members when in one position, and in differentiation prevention engagement with and revoluble with said provision when in another position, and means for moving said clutch means.

2,102,314
DRIVE AND DIFFERENTIAL
George Holt Fraser, Brooklyn, N. Y.
Continuation of application Serial No. 643,664, November 21, 1932. This application November 20, 1935, Serial No. 50,674
32 Claims. (Cl. 74—316)

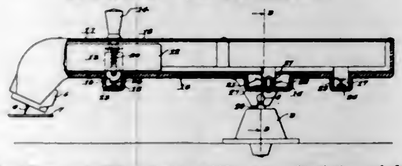


1. In a differential drive comprising a master gear, an orbital pinion revolved by said gear and rotatable on an axis radially of said gear, differential gears revolved by and revoluble as to said orbital pinion, and driven axles driven by said differential gears respectively, a rotatable master pinion in mesh with said master gear, for revolving the latter, a rotatable drive shaft on which said master pinion is rotatably mounted, for driving said master pinion, and a drive discontinuance drive connection between said master pinion and said drive shaft comprising reciprocal keyways in the adjacent peripheries of said master pinion and said shaft, and a radially yieldable movable key movable into and out of driving engagement with said keyways for drive connection and drive disconnection of said master pinion and said drive shaft, and yieldable circumferentially of said peripheries, for yieldably resisting drive torque, for yieldable drive connection and disconnection of said master pinion and said drive shaft, for yieldably controlling drive of said master gear.

2,102,315
PROCESS OF PREPARING AN ENZYME FROM MOLD
Wolfgang Grassmann and Hans Rubenbauer, Munich, Germany, assignors to August Karreth, Munich, Germany
No Drawing. Application January 22, 1934, Serial No. 707,740. In Germany January 26, 1933
16 Claims. (Cl. 195—66)

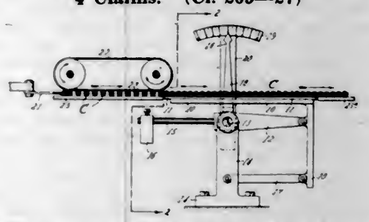
1. The process of preparing an enzyme preparation which comprises cultivating a mold on a non-alkaline nutrient medium containing a cellulose substance, continuing the cultivation of the culture beyond the mycelium stage and up to the formation of spores, extracting the culture mass and concentrating the extract to produce an enzyme preparation which has a lichenase value of 0.5 to 1.0 and is effective to split cellulose an hemi-cellulose.

2,102,316
PHONOGRAPH RECORDING CONTROL SYSTEM
Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 31, 1935, Serial No. 34,015
21 Claims. (Cl. 179—100.41)



1. The combination with an electric pickup device for recording and reproducing phonograph records and the like, of means for adjusting the stylus pressure thereof on a record surface and means for changing electrical connections therewith in predetermined relation to the adjustment of said stylus pressure.

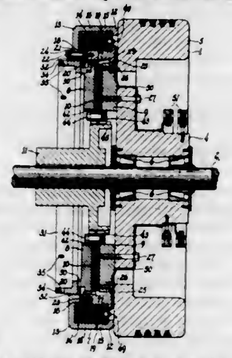
2,102,317
CIGARETTE WEIGHER FOR CONTINUOUS-ROD CIGARETTE MACHINES
George W. Gwinn, Hewlett, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application September 7, 1935, Serial No. 39,601
4 Claims. (Cl. 265—27)



1. The combination with a weighing device provided with a platform adapted to support a predetermined number of cigarettes in side by side formation, of means for delivering cigarettes sidewise to said platform and simultaneously removing cigarettes therefrom to maintain a constant number of cigarettes on the platform, said means including a set of stationary guide rollers arranged adjacent each end of said platform, endless conveyor belts trained over said guide rollers and platform, a driving pulley over which said conveyor belts are looped, said belts being slack between the driving pulley and platform, drag rollers pressing said belts against said driving pulley, an idler pulley over which said belts are looped, a pressure roll holding said belts against said idler pulley, and mechanism for delivering cigarettes sidewise on to said belts above the set of guide rollers adjacent the slack in the belts.

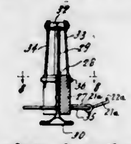
2,102,318
ELECTROMAGNETIC CLUTCH
Howard E. Hodgson, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 29, 1935, Serial No. 52,107
6 Claims. (Cl. 192—84)

1. In an electromagnetic clutch, in combination, a driving element having cooperating field and armature members of annular form, a pair of friction elements mounted within the opening in said field member, one of said friction elements being fixed to said field member and the other being coupled directly to said field member to



rotate therewith and being movable toward said former friction element by said armature member upon attraction of the latter and a driven friction element to be clamped between said pair of friction elements upon attraction of said armature member.

2,102,319
COMBINATION MOP
Charlotte Huber, New York, N. Y.
Application May 8, 1936, Serial No. 78,596
In Yugo-Slavia May 25, 1935
1 Claim. (Cl. 15—120)

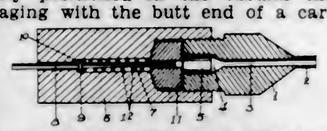


A device of the class described, comprising a substantially cylindrical body having a central axial bore extending therethrough, a rod slidably mounted in said opening and extending from both ends of said body, a handle on one end of said rod, a base member on the other end of said rod and having an opening therethrough, a frame secured to the lower end of said body and comprising a pair of oppositely extending members, each of said frame members having a pair of spaced-apart substantially radial arms united at their outer ends, said device being adapted to have a cloth trained about said frame and through said opening in said base member, means for releasably locking said cloth on said frame, said handle having a pair of side members pivotally mounted thereon, said side members being adapted to be folded down against said body, and a resilient ring loose on said body adapted to encircle said body and said side members when the latter are in folded down position to releasably lock said side members against said body.

2,102,320
BEARING OBSTRUCTION EJECTOR
Leon Kandarian, Oakland, Calif.
Application September 9, 1936, Serial No. 99,976
3 Claims. (Cl. 184—105)

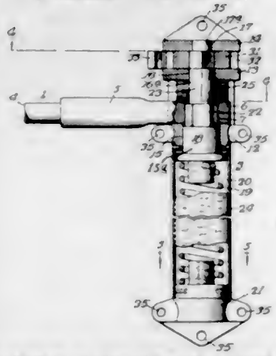
1. A bearing obstruction ejector comprising an elongated member having means at one end

for attachment to a structure which is to be freed of an obstruction, the said member and the said means having a longitudinal opening therethrough, the portion of the opening located in the means being restricted and another portion of the opening being enlarged to provide a seat for a cartridge; a tubular member removably secured to the elongated member; a block removably positioned in the tubular member for engaging with the butt end of a cartridge



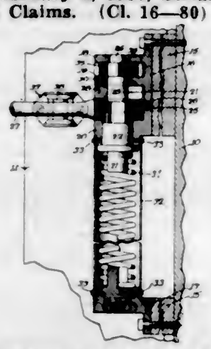
which is positioned in the seat in the elongated member, whereby the cartridge is prevented from moving rearwardly when fired; a firing pin movably extending through the tubular member and the block, having one end projecting to a point outside the tubular member and its other end normally positioned adjacent the butt end of the cartridge; and spring means for moving the firing pin to its normal position after it is actuated against the butt end of the cartridge.

2,102,321
DOOR CLOSER
William J. Keene, Chicago, Ill., assignor to Chicago Spring Hinge Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1936, Serial No. 91,272
5 Claims. (Cl. 16—76)



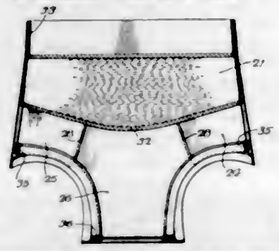
1. In a device of the class described, a pair of spaced frame members, a tube extending between said frame members, a coil spring positioned within said tube and anchored at one of its ends to one of said frame members, the other of said frame members including a pair of spaced brackets integral therewith, a short shaft extending between and journaled upon said brackets, said short shaft being connected at one of its ends to the other end of said coil spring, and the portion of said short shaft which extends between said spaced brackets being divided into a flat sided section and a section of substantially less cross sectional area than said flat sided section, a closer arm having a hub at one end thereof which is adapted to be disposed about and to lockingly engage said flat sided section of said shaft, and a collar normally positioned about said reduced area section of said shaft, said collar locking said hub in place upon said flat sided section of said shaft and being removable to permit said hub to be moved onto said reduced area section in which position adjustment may be made in the angular position of said closer arm on said short shaft.

2,102,322
DOOR CLOSER
William J. Keene, Chicago, Ill., assignor to Chicago Spring Hinge Company, Chicago, Ill., a corporation of Illinois
Application February 4, 1937, Serial No. 123,943
2 Claims. (Cl. 16—80)



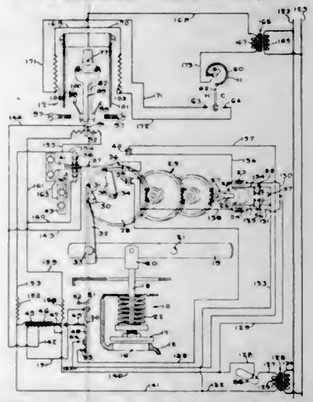
1. In combination with a door frame and a refrigerating room door vertically hinged at one edge thereof on a vertical member of said frame so as to open outwardly, said door being hinged in such a manner that a substantial portion of the thickness of said door projects outwardly beyond the hinge axis, a bracket mounted on said vertical frame member, a vertical shaft journaled in said bracket, an arm carried by said shaft and extending laterally therefrom and crosswise of said portion of the thickness of the hinged edge of the door which projects outwardly beyond said hinge axis, means on the hinged edge of said door outwardly of said hinge axis for engaging said arm, said arm being of such short length as not to project substantially beyond the plane of the outside of the door, and a spring tending to turn said shaft in a direction to cause said arm to bear on said roller to thereby effect closing of the door, the axis of said shaft being so located relative to said hinge axis that when the door is opened, the point of engagement between said arm and said means moves outwardly to progressively increase the lever arm length of said arm as the tension of said spring increases during the opening movement of the door.

2,102,323
SWIMMING TRUNKS
Arthur R. Kneibler, Kenosha, Wis., assignor to Coopers Incorporated, Kenosha, Wis., a corporation of Wisconsin
Application March 19, 1937, Serial No. 131,759
5 Claims. (Cl. 128—159)



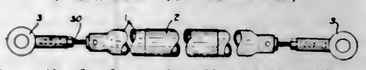
2. A swimming garment comprising outer trunks, and relatively independent inner trunks of different material than said outer trunks, said outer and inner trunks having their waist portions united, said inner trunks having a wide waist portion of relatively strong, elastic material constituting an abdominal support, and a lower portion of softer less elastic material, said lower portion having a body supporting crotch part of material which is elastic transversely and relatively inelastic longitudinally of the garment, said crotch part being secured to and thereby supported from said waist band.

2,102,324
CONTROL SYSTEM
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application June 22, 1935, Serial No. 27,956
26 Claims. (Cl. 236—9)



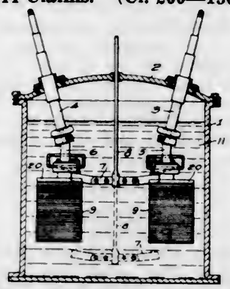
6. A system of the class described, comprising, in combination, a condition changing device, a control member normally moved in accordance with changes in the value of a condition which is affected by the condition changing device, connections between said control member and condition changing device by which the former controls the latter, mechanism associated with said control member and operative to move the same to either of its extreme control positions and maintain it therein irrespective of changes in the value of said condition, and means responsive to another condition in control of said mechanism and operative to move the same to one of its extreme control positions when the value of said second condition rises to a predetermined maximum and to move the same to its other extreme control position when the value of said second condition falls to a predetermined minimum.

2,102,325
AIRPLANE CONTROL ROD AND METHOD OF MAKING THE SAME
John Kylstra, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application June 9, 1936, Serial No. 84,284
7 Claims. (Cl. 29—148.2)



6. A method of constructing composite tubes, which comprises sliding a short sleeve lengthwise over a long tube into a position between the ends of the latter, from opposite sides of the sleeve applying thereto a slight swaging force over its entire length, from opposite sides of the sleeve spaced angularly from the sides from which the next previous force was applied again applying thereto a slight swaging force over its entire length, and from successively angularly spaced opposite sides of the sleeve recurrently applying thereto such slight swaging forces over its entire length, to swage the sleeve and that portion of the tube lying immediately therebeneath uniformly inwardly to the desired smaller diameter.

2,102,326
CIRCUIT BREAKER
Winthrop M. Leeds, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application May 20, 1930, Serial No. 453,909. Divided and this application November 11, 1933, Serial No. 697,647
44 Claims. (Cl. 200—150)



1. The combination with a circuit interrupter having separable contact members for drawing an arc, and a plurality of insulating plates having alined slots adjacent to the arc path, of magnetic plates associated with a portion of said insulating plates for moving the arc in the space formed by said slots, and a coil associated with the remaining portion of said plates for increasing the force to move the arc when the arc is moved into the slots of the last said portion of the plates.

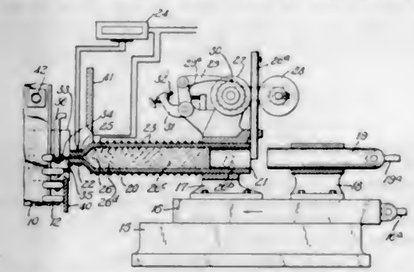
2,102,327
CERAMIC PATCHING CEMENT
John M. McKinley, East Cleveland, and Willard K. Carter, Columbus, Ohio, assignors to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application September 25, 1933, Serial No. 690,883. Divided and this application September 30, 1935, Serial No. 42,882
3 Claims. (Cl. 106—10)

1. A refractory patching cement comprising grog, clay, and about 1% of sodium aluminate.

2,102,328
METHOD OF MAKING THERMOPLASTIC FASTENERS
Louis H. Morin and Davis Marinsky, Bronx, N. Y., assignors to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application October 4, 1934, Serial No. 746,771
10 Claims. (Cl. 18—59)

1. The herein described method of manufacturing stringers of separable fasteners, which consists in arranging the mounting strip of the stringer between casting dies movable toward and from each other, the dies having an impression around a portion of the strip disposed therebe-

tween, providing a cylinder containing thermoplastic material with a nozzle at one end of the cylinder, heating the cylinder, maintaining the thermoplastic material soft and moldable at the nozzle end of the cylinder and at different degrees of softness in a direction away from said nozzle and substantially hard at the outer feed



end of the cylinder, moving the nozzle toward and from the dies, and applying pressure to the thermoplastic material in the cylinder to discharge said material from the nozzle thereof into the impression of said dies along the parting line thereof to form a thermoplastic link cast directly upon that portion of the strip disposed within the impression of said dies.

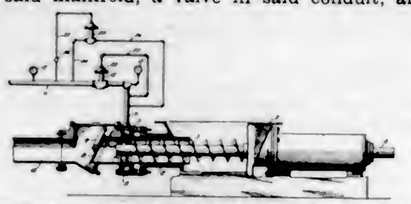
2,102,329
PACKAGE
Arthur J. Nelson, Milwaukee, and John H. Olsen, Whitefish Bay, Wis., assignors to Pulp Reproduction Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 29, 1936, Serial No. 82,466
3 Claims. (Cl. 229—62)



1. A package, comprising, a flexible transparent bag-like container bearing indicia simulating part of an object, a rigid closure for the open end of said container simulating the remaining parts of said object, said closure having an enlarged end insertible within the container end and a continuous annular recess directly adjoining said end, and means coacting with said container and with the recess and enlarged end of said closure to secure these parts together.

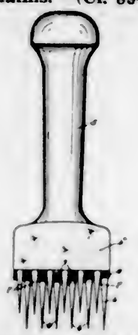
2,102,330
CONVEYING APPARATUS
Vincent K. Newcomer, Independence, Mo.
Application November 16, 1935, Serial No. 50,166
5 Claims. (Cl. 302—50)

1. In a conveying apparatus in which finely divided materials are admixed with air, an air distributing manifold, a conduit for supplying air to said manifold, a valve in said conduit, and



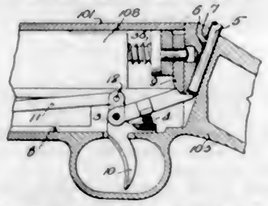
means responsive to the air pressure in said manifold for controlling said valve.

2,102,331
ICE PICK
Harry F. Niles, Covina, Calif.
Application October 14, 1935, Serial No. 44,858
4 Claims. (Cl. 83—62)



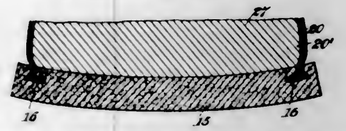
1. An ice pick including a body having a handle and having two rows of sharp prongs set therein and projecting therefrom, longitudinally thereof, one row of prongs being shorter than the other row and being set at an angle thereto, whereby said prongs, if extended lengthwise, would intersect the line of said longer prongs.

2,102,332
FIREARM
George Norman, Birmingham, England, assignor to Auto-Ordnance Corporation, New York, N. Y., a corporation of New York
Original application June 5, 1934, Serial No. 729,052. Divided and this application April 23, 1936, Serial No. 75,950
2 Claims. (Cl. 42—75)



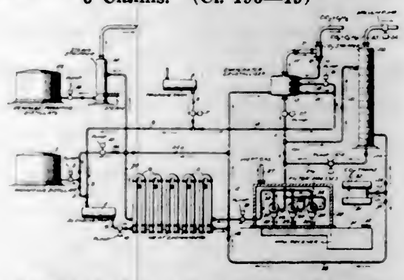
1. A firearm comprising a receiver having a forwardly facing abutment therein and having a rear face, a frame slidably mounted under the receiver with a portion seating against said face, said portion having an opening extending therethrough from top to bottom, said frame having a recess opposite said abutment, a pivot pin extending crosswise of said recess in advance of said abutment, a catch having its forward end pivoted on said pin and having a shoulder intermediate its ends for engagement with said abutment and having its rearward end in line with said opening, and a push plunger extending through said opening for disengaging the catch from the abutment.

2,102,333
SHOE AND METHOD OF MAKING SAME
Edward Quinn, Brooklyn, N. Y., assignor to The Del-Mac Shoe Process Corporation, New York, N. Y.
Application December 17, 1935, Serial No. 54,798
5 Claims. (Cl. 12—142)



1. A turned shoe comprising a sole member having a channel of angular cross section extending about the surface margins inwardly of the edge thereof, a strip of angular cross section inlaid in said channel and an upper clinched between said strip and the outer wall of the channel, the inlaid sides of said strip being substantially parallel to the channel walls and the surface of the strip lying flush with said margins of the sole member.

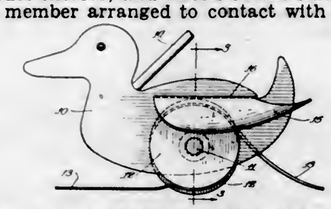
2,102,334
PROCESS FOR DEWAXING HYDROCARBON OILS
Earl Petty, Hempstead, N. Y., assignor, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application April 14, 1933, Serial No. 666,099
6 Claims. (Cl. 196—19)



6. A method of dewaxing hydrocarbon oils including the steps of mixing oil to be dewaxed with a liquefied, normally gaseous hydrocarbon diluent, then chilling the mixture and increasing the concentration of the oil in the mixture by stripping the diluent hydrocarbon from the oil with a normally gaseous, non-inflammable material of a lower boiling range than the diluent and removing the wax from the oil.

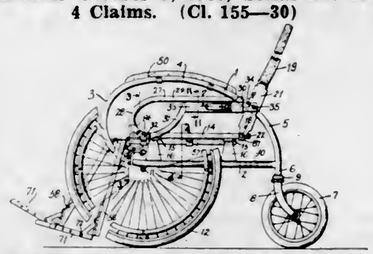
2,102,335
TOY
James S. Richards, Cincinnati, Ohio
Application February 17, 1936, Serial No. 64,248
10 Claims. (Cl. 46—104)

1. A toy of the class described comprising a body member; movable members projecting from the sides thereof; and wheels on the sides of said body member arranged to contact with and rub



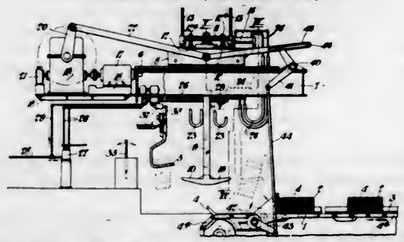
against the undersides of said movable members to impart lifelike movements thereto.

2,102,336
INVALID CHAIR
Mayo E. Roe, Elyria, Ohio, assignor to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application October 9, 1936, Serial No. 104,863
4 Claims. (Cl. 155—30)



1. In an invalid chair, a pair of laterally spaced frame elements comprising tubes each bent to provide a lower generally horizontal forwardly and rearwardly extending portion, an upwardly bent forward portion, an upper rearwardly extending arm rest supporting portion and a rearwardly depending portion, the horizontal portion secured at its rear end to the depending portion, caster wheels on the lower ends of the depending portions, uprights on the horizontal portions, a seat on the uprights, front wheels supporting the frame at the forward portion of the horizontally extending frame elements and transverse bracing elements connecting the said frame elements.

2,102,337
APPARATUS FOR HANDLING COILS
George H. Rose, Cleveland, Ohio
Application November 24, 1936, Serial No. 112,596
4 Claims. (Cl. 214—91)



1. Coil handling apparatus including the combination of a conveyer for transporting rod bundles in the horizontal and a transfer mechanism for engaging said bundles when vertically disposed, a table for intercepting said bundles in the plane of said conveyer, means for elevating said table to a position cooperable with said

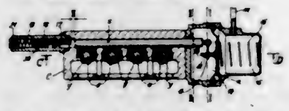
transfer mechanism, said means being coordinated in operation with that of said transfer mechanism.

2,102,338

GOVERNOR MEANS FOR LIQUID INJECTION INTERNAL COMBUSTION ENGINES

Alfred Schweizer, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application April 26, 1935, Serial No. 18,418
In Germany May 25, 1934
6 Claims. (Cl. 123—139)



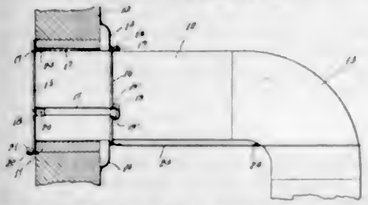
1. Governor means for liquid injection internal combustion engines comprising a control member adapted to adjust the fuel delivery, a servo member subject to a variable and pulsating governing force in one direction and a return force in the opposite direction variable in accordance with the position of the servo-member thereby causing comparatively long-range desirable oscillations and undesirable short-range hunting oscillations of said servo-member and a lost motion connection between said control member and said servo member permitting the servo member to oscillate under the influence of the pulsations of said governing force without transmitting such undesirable hunting oscillations to the control member at least within the range of movement of the servo-member corresponding to the lower speed range of the engine.

2,102,339

STOVEPIPE COLLAR AND ANCHOR

Albertus Upton, Waveland, Ind.

Application May 5, 1936, Serial No. 78,014
3 Claims. (Cl. 126—318)



1. Fastening means for a stovepipe, comprising two wire rings having offset portions, metal bands secured to said offset portions and connecting the rings, one of said rings being adapted to engage in a chimney opening, the other ring being carried by a stovepipe and engaging the outer face of the chimney.

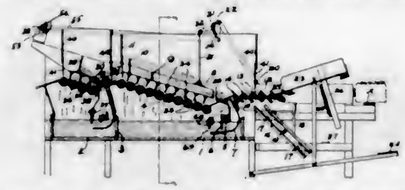
2,102,340

REMOVING SPRAY RESIDUE AND OTHER ACCUMULATIONS FROM FRUIT AND THE LIKE

Paul Van Wyk, Portland, Oreg., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application March 27, 1934, Serial No. 717,644
19 Claims. (Cl. 146—202)

1. An apparatus for treating fruit and the like to remove spray residue and other accumulations from the surfaces thereof comprising rotating transverse brush means for supporting and advancing a stream of fruit along a predetermined path, grid openings along said path, rotating means underneath said grid openings and transverse thereof for throwing a stream of treating solution upward therethrough and over the same onto fruit positioned on said supporting means,



a tank of solution in which said rotary means is mounted and means for imparting rotation thereto, a housing surrounding said rotating means to segregate the body of liquid directly in contact with said rotating means from the main body of liquid in the tank.

2,102,341

PROCESS FOR REACTIVATION OF SPENT CLAY

George Hugo von Fuchs, Wood River, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 15, 1936, Serial No. 74,498
8 Claims. (Cl. 252—2)

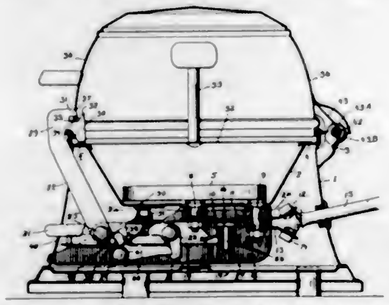
3. In the process of reactivating spent refining clay containing adsorbed organic matter, the steps of extracting same with a neutral organic solvent for said adsorbed organic matter in the presence of sufficient ammonia to displace the adsorbed matter from the clay, said solvent being volatile and substantially stable under the conditions of the extraction.

2,102,342

ELECTRICAL COOKING AND HEATING APPARATUS

Emil Walder, Rochester, N. Y., assignor to Samson-United Corporation, Rochester, N. Y.

Application June 11, 1931, Serial No. 543,637
14 Claims. (Cl. 219—43)



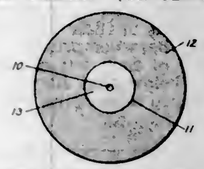
1. An electric cooking and heating apparatus comprising a vessel adapted to receive a body of vaporizable liquid, an electric heating unit mounted within said vessel so as to be completely surrounded by the vaporizable liquid in the vessel, a thermostatically operated switch mounted on said vessel so as to be operated only by the direct radiation from said heating unit after the vaporizable liquid has been vaporized thereby.

2,102,343

GRINDING WHEEL

Kenneth F. Whitcomb and Herbert W. Wagner, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 3, 1933, Serial No. 678,816
13 Claims. (Cl. 51—206)



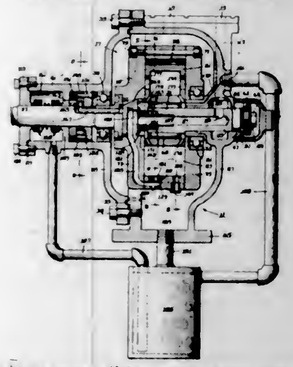
11. A grinding wheel of uniform basic structure which has an arbor hole throughout and which has an outer zone and a relatively narrow inner annular zone adjacent the arbor hole impregnated throughout the thickness of the wheel with a strengthening material, the outer annular zone being unimpregnated and unchanged.

2,102,344

COMPRESSOR

William W. Wishart, Chicago, Ill.

Application January 23, 1935, Serial No. 3,030
10 Claims. (Cl. 230—140)



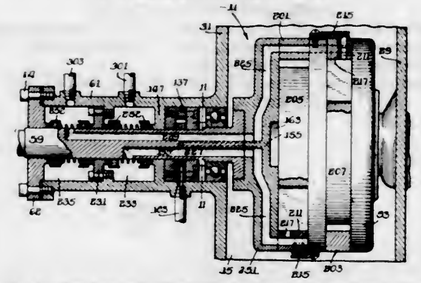
1. A rotary reversible compressor comprising a cylinder element and a piston element within the cylinder element, said piston element having an axis relatively eccentric with respect to the axis of the cylinder element, said elements defining a compression space therebetween, means to rotate the cylinder element about its axis, a blade carried by the cylinder element and having bearing engagement on the piston element, said blade being adapted to sweep through said compression space during an operating cycle of the compressor whereby to force fluid in said compression space, said cylinder element having inlet ports communicating with said compression space, one on each of the opposite sides of said blade, both of said inlet ports being provided with valve means opening toward said space, means forming a common inlet communicating with said inlet ports in advance of said valve means, said cylinder element also being formed with outlet means comprising outlet ports communicating with said compression space one on each of the opposed sides of said blade and opening outwardly of said cylinder through a wall thereof, both of said outlet ports having valve means opening outwardly of said compression space whereby the compressor may deliver a fluid work medium from the inlet through said outlet means regardless of the direction of rotation of said cylinder element.

2,102,345

COMPRESSOR

William W. Wishart, Chicago, Ill.

Application February 9, 1935, Serial No. 5,712
9 Claims. (Cl. 230—140)



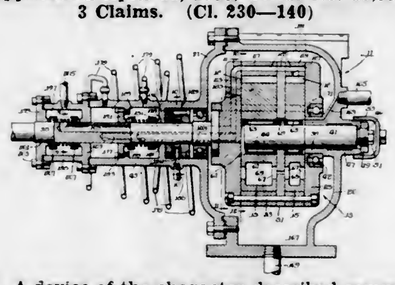
1. A device of the character described comprising cylinder means providing a plurality of pressure stages, piston means associated with each stage, said cylinder means having a projecting shaft fixed on an end wall thereof whereby the same may be supported for rotation about its axis, axially extending duct means in said shaft, blade means cooperatively associated with the cylinder means and the piston means in the several stages, said cylinder and piston means being operable to develop a pressure differential on opposite sides of the blade means in each of the stages when the cylinder means is rotated, said end wall carrying the shaft having a plurality of substantially radially extending ducts communicating each with one of the several stages and with said axially extending duct means.

2,102,346

COMPRESSOR

William W. Wishart, Chicago, Ill.

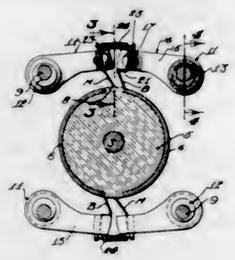
Application April 11, 1935, Serial No. 15,830
3 Claims. (Cl. 230—140)



1. A device of the character described comprising cylinder means providing a plurality of pressure stages, piston means associated with each of said stages, blade means associated with the piston and cylinder means in the several stages, said cylinder means comprising an end wall having a projecting shaft whereby the cylinder means may be supported for rotation about its axis, duct means extending axially in said shaft, said end wall having a plurality of substantially radially extending ducts connecting with said duct means, at least one of said radially extending ducts being in communication with one of said pressure stages at one side of the blade

means, and another of said radially extending ducts communicating with said stage on the opposite side of said blade means, said piston and cylinder means being operable to develop a pressure differential on opposite sides of the blade means in the several stages when the cylinder means is rotated.

2,102,347
COMMUTATOR BRUSH
James C. Arnold, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application June 29, 1936, Serial No. 87,965
8 Claims. (Cl. 171—323)



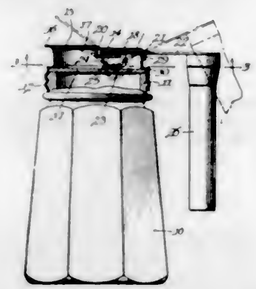
1. A commutator brush structure comprising: a pair of brush elements disposed in contiguous relation with each other and engageable with a commutator; means electrically coupling said brush elements directly one with the other so that they form in effect a single brush means; and a device for shifting said brushes to and from each other to vary the effective width of said brush means.

2,102,348
CUSPIDOR CARRIER AND HANDLER
Charlie T. Balochi, Roanoke, Va.
Application March 20, 1937, Serial No. 132,141
2 Claims. (Cl. 294—32)



1. A device of the class described comprising a cylinder provided with a pair of diametrically opposed slots adjacent its lower end, a handle bar secured to its upper end and spanning the same, a pair of leaf springs secured to the cylinder to depend therefrom in vertical alignment with said slots, respectively, a pair of block-like grips secured to the lower ends of said springs, respectively, to project through said slots into said cylinder and tensioned against separative movement by said springs, and manipulative means for separating said grips comprising a pair of bars depending from the top of said cylinder and secured at their lower ends to said grips, respectively, said bars being swingably mounted on said cylinder for separative movement of their lower ends, means for swinging said bars comprising an extension on the upper end of each bar overlying the top of said cylinder below said handle bar, and a sleeve-like hand grip telescoping over the extensions of said bars.

2,102,349
CLOSURE FOR RECEPTACLES
Charles S. Baron, Tiffin, Ohio
Application July 7, 1937, Serial No. 152,460
20 Claims. (Cl. 65—31)



14. A cap for dispensing receptacles having a discharge opening and spaced slots in the top thereof, a flap above the top and normally positioned to close said opening, said flap having a depending offset portion extending through one of said slots and arranged loosely to engage the wall thereof to provide a fulcrum support for the flap when the same is moved relative to said opening, and means extending through the other of said slots and operatively connected to said offset portion whereby upon the actuation of said means to raise the flap relative to said opening.

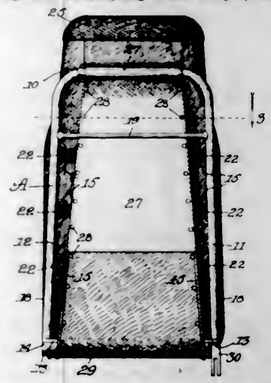
2,102,350
PROCESS FOR MANUFACTURING AMINO SULPHONIC ACID
Paul Baumgarten, Berlin, Germany, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1936, Serial No. 88,090. In Germany May 21, 1935
7 Claims. (Cl. 23—190)

7. The process for producing amino sulphonic acid which comprises reacting urea with sulphur trioxide in the presence of sulphuric acid.

2,102,351
SEAT BACK
Ernie J. Beck and William B. Schroeder, Chicago, Ill., assignors, by mesne assignments, to S. Karpen & Bros., a corporation of Illinois
Application May 22, 1935, Serial No. 22,844
10 Claims. (Cl. 155—178)

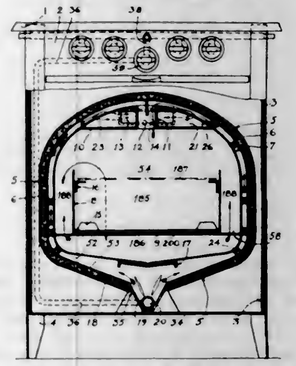
1. A seat back comprising: a substantially rectangular frame having spaced vertical bars

equipped with attachment loops, non-elastic straps hingedly engaging said loops, and an elas-



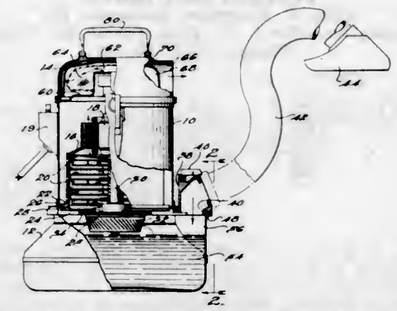
tic sheet centrally located within said frame and secured to the inner ends of said straps.

2,102,352
COOKING RANGE WITH MUFFLE-OVEN
Tord Erik Daniel Bilde, Stockholm, Sweden
Application November 16, 1933, Serial No. 698,338
In Sweden February 23, 1933
1 Claim. (Cl. 126—39)



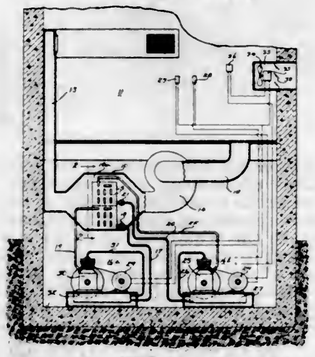
In an oven construction arranged to give an equal heat in every part of a muffle oven, the combination of a closed shell, a muffle oven suspended within said shell in such a manner that channels for the hot flue gases are provided around the walls of the muffle oven, a heater arranged within said shell and below said muffle oven, means to evenly distribute the heating medium over the bottom and side walls and the upper side of the muffle oven and an inner food retaining compartment suspended within said muffle oven consisting of a substantially horizontal plate spaced from the bottom of the muffle oven and of such dimensions that channels are left between its edges and the bounding walls of said muffle oven, said plate being provided with two upwardly directed walls which extend throughout the depth of the oven and substantially parallel to the sides thereof to form channels for air circulating within said oven in a defined path upwardly through oppositely disposed side channels and downwardly through further oppositely disposed end passages separated from said channels by the upwardly directed walls.

2,102,353
VACUUM CLEANER
Clarence A. Brock, Detroit, Mich., assignor to Rexair Corporation, Detroit, Mich., a corporation of Michigan
Application January 8, 1937, Serial No. 119,578
7 Claims. (Cl. 183—24)



1. In a device of the class described, a portable vacuum cleaner housing having inlet and outlet openings therethrough and including a receptacle containing a bath of liquid, said inlet opening communicating with said receptacle, a blower within said housing, a centrifugal separator extending into said receptacle above said bath, and means for operating said blower and said separator for drawing air into said housing through said inlet opening, into contact with the liquid of said bath, through said separator, and for discharging the air through said outlet opening.

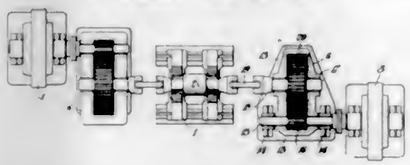
2,102,354
REFRIGERATION
Jewel C. Chambers, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application May 16, 1933, Serial No. 671,314
Renewed April 20, 1937
5 Claims. (Cl. 62—6)



1. In an air conditioning apparatus, an enclosure, air flow means having an outside fresh air inlet and a recirculated air inlet for air to be conditioned for said enclosure, air blowing means for circulating air through said air flow means, a plurality of refrigerant evaporators in said air flow means, refrigerant liquefying means connected to said evaporators, means automatically rendering inactive the evaporation of refrigerant in one of said evaporators while evaporation remains active in another of said evaporators in accordance with conditions in said enclosure and

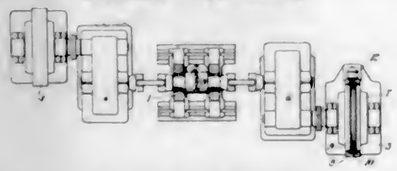
balancing the liquefying capacity of said liquefying means, whereby the active refrigerant temperature remains substantially constant.

2,102,355
ROLLING MILL DRIVE
Alden C. Cummins, Duquesne, Pa.
Application March 21, 1934, Serial No. 716,686
2 Claims. (Cl. 80—54)



1. A drive for a rolling mill having a frame adapted to horizontally mount rolls at different axial levels, said drive including the combination of a pinion fixedly journaled in spaced relation to the ends of rolls mounted by said frame, a gear journaled by means constantly holding it in mesh with said pinion while permitting it to swing to different levels and a vibrating spindle for interconnecting said gear and the ends of rolls mounted by said frame, whereby power from a stationary power source may be transmitted to rolls mounted by said frame through said spindle and the latter maintained at efficient operating angles regardless of differences in the axial levels of said rolls by swinging said gear to the levels required, said spindle moving universally to accommodate swinging of said gear.

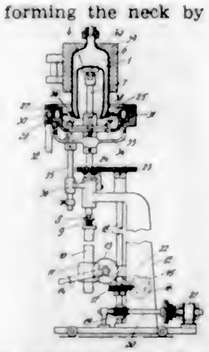
2,102,356
DIE-ROLLING MILL
Alden C. Cummins, Duquesne, Pa.
Application March 21, 1934, Serial No. 716,687
4 Claims. (Cl. 80—24)



1. A die-rolling mill including the combination of a frame, cooperative rolls journaled in said frame, said rolls being individually provided with cooperative recesses or matrices which are shaped according to the requirements of the work being rolled, a synchronous electric motor arranged to drive one of said rolls, a second synchronous electric motor arranged to drive the other of said rolls and means for rotatively mounting at least the stator windings of at least one of said motors so as to thereby effect angular adjustments of said rolls.

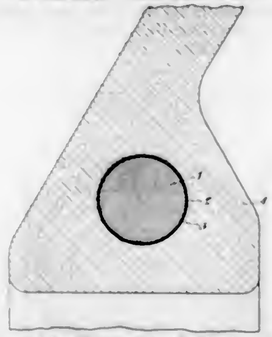
2,102,357
METHOD AND APPARATUS FOR MAKING DOUBLE-WALLED GLASS VESSELS
Jakob Dichter, Berlin-Schoneberg, Germany
Application April 20, 1934, Serial No. 721,464
In Germany March 4, 1933
11 Claims. (Cl. 49—7)

1. In the manufacture of double-walled, substantially bottle-shaped glass vessels in one piece the step of forming the neck by exerting cen-



trally directed pneumatic pressure on the neck portion of the inner wall.

2,102,358
TIRE WIRE
Flint C. Elder, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application November 18, 1935, Serial No. 50,469
3 Claims. (Cl. 245—1.5)



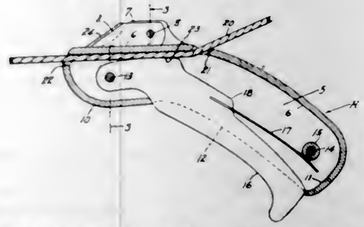
1. The combination of a steel object having a galvanized coating and bearing at least traces of silver on the outer surface of said coating, and a rubber body vulcanized to said steel object, whereby said object is protected from corrosion by said coating and firm adherence with said rubber body is secured by said silver.

2,102,359
SANITARY GARMENT
Jacob G. Frieman, Attica, Ohio
Application November 5, 1935, Serial No. 48,404
7 Claims. (Cl. 128—289)



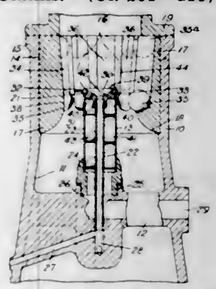
4. A sanitary garment of the class described comprising a fabric body member having a closed crotch portion formed with a central pad receiving pocket attached to the crotch portion by a fulling reinforcing seam, said pocket being formed with a longitudinal opening for the removal of a pad from said pocket through said opening.

2,102,360
TWINE CONTROLLING AND CUTTING DEVICE
Harvey Geroux, Los Angeles, Calif.
Application September 3, 1935, Serial No. 38,901
2 Claims. (Cl. 30—127)



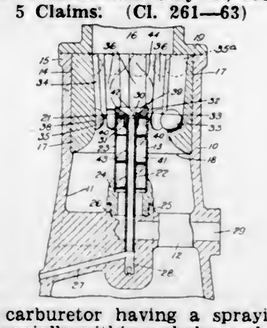
1. In a device of the kind described, a casing having a knife mounted externally thereon and a cord guide leading therethrough, and furnished with a handle portion whereby said casing is manually bodily movable to sever said cord, and means within said casing to grip the portion of the cord within the casing between said means and said casing, said cord gripping means comprising a pivoted lever operable by the fingers of a hand which is gripping said handle portion, the cord-gripping portion of said lever being near its pivot and the portion thereof engageable by the fingers of the operator being remote therefrom, there being an opening for the cord through the wall of the casing adjacent to said knife in order that the cord may be directed backwardly from said opening and then severed by said knife while said cord is held under tension by said cord-gripping means.

2,102,361
CARBURETOR
Arthur William David Gladwell, London, England
Application February 7, 1936, Serial No. 62,852
In Great Britain July 18, 1935
4 Claims. (Cl. 261—116)



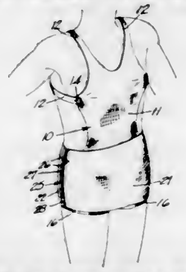
1. In a carburetor having a spraying nozzle mounted coaxially within a choke, said nozzle comprising two concentric tubes, means for admitting fuel and atmospheric air respectively to the inner one of said tubes and to the annular space between said tubes, and a centrally perforated cap upon the upper ends of said tubes, a rim around said cap, said rim located above the narrowest portion of said choke and projecting radially beyond the outer one of said tubes, the upper surface of said cap including a depression around the central perforation and a plurality of oblique holes spaced around said central perforation, said holes communicating with said annular space below said cap and converging upon the axis of said central perforation at a point within said depression.

2,102,362
CARBURETOR
Arthur William David Gladwell, London, England
Application February 7, 1936, Serial No. 62,853
In Great Britain July 18, 1935
5 Claims. (Cl. 261—63)



1. In a carburetor having a spraying nozzle mounted coaxially within a choke, a choke member having a convergent inlet portion and a divergent outlet portion, said outlet portion having its inner surface formed with flutings extending approximately from the throat of said choke member to the end of said outlet portion, said flutings being open for their entire length inwards of said surface, and elements loosely confined in said flutings, said elements partly projecting from the open sides of said flutings to restrict the passage through said outlet portion and being controlled by the air current through said choke.

2,102,363
BATHING SUIT
Theodore R. Kugler, Inglewood, Calif.
Application August 22, 1932, Serial No. 629,857
Renewed April 15, 1935
8 Claims. (Cl. 2—67)



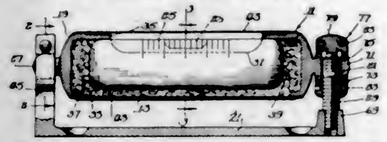
1. In an article of swimming apparel, the combination of: a front body covering; a plurality of straps secured to said front covering, said straps being adapted to embrace the wearer's body; means for removably securing the free ends of said straps to said front covering; hip covering flaps formed on said front covering; a breech covering; a crotch member joining said breech covering with a lower portion of said front covering; and means for attaching or detaching said breech covering to or from said hip covering flaps.

2,102,364

SPIRIT LEVEL AND MEANS FOR MOUNTING SAME

Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Company, Chicago, Ill., a corporation of Delaware

Application December 23, 1935, Serial No. 55,767
9 Claims. (Cl. 33—214)



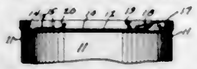
1. A spirit level comprising an elongated element, a support, cooperating means formed on said support and on one end of said element for swivelingly mounting said end on the support, said element having a mounting portion remote from said end and formed with an opening therethrough, said mounting portion having oppositely-facing, spherical surfaces formed thereon at the opposed ends of said opening, a threaded post carried by said support in position to extend through said opening, a threaded nut adjustable on said post and carrying a spherical portion for engagement with the spherical surface on one side of the mounting portion whereby to support the same adjustably on the post to determine the angularity of said element with respect to the support, and clamping means having a threaded portion engaging said post and a spherical portion adapted to engage the spherical surface on the opposite side of said mounting portion for clamping said portion in adjusted position between said nut and said clamping element.

2,102,365

CAN OPENING DEVICE

Harold B. Lloyd, Sioux City, Iowa

Application January 8, 1934, Serial No. 705,708
2 Claims. (Cl. 220—48)



1. A can opening device comprising a flat shearing member positioned to lie against the upper can top, and including a piercing point at the extremity thereof, shearing surfaces tapering downwardly from said point, means for attaching the shearing member to the can, said shearing surfaces having an opening therebetween to allow pouring of a liquid therethrough.

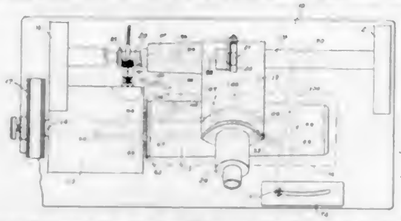
2,102,366

DICTATING MACHINE

Joseph M. Lucarelle and John E. Renholdt, Bridgeport, Conn., assignors to Dictaphone Corporation, New York, N. Y., a corporation of New York

Original application June 7, 1929, Serial No. 369,044. Divided and this application November 2, 1933, Serial No. 696,364. Renewed January 9, 1936
4 Claims. (Cl. 274—17)

3. In a dictating machine, in combination, a record-support, a carriage, a sound-box supported by said carriage, a sound-box control having recording, neutral and reproducing positions, a record-ejector, means for preventing operation of said record-ejector, means rockable in any position of the carriage for controlling operation of said preventing means, and means pivotally connected to said sound-box control for so controlling movement of said rockable means as to



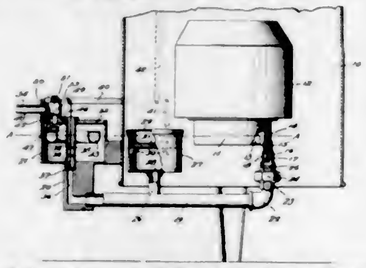
permit operation of said record-ejector when said sound-box control is moved to neutral position.

2,102,367

BURNER AND FUEL CONTROL MECHANISM

David Lumsden, Sikeston, Mo.

Original application December 21, 1935, Serial No. 55,644. Divided and this application December 22, 1936, Serial No. 117,195
6 Claims. (Cl. 158—84)



2. A burner comprising a fuel pan having a fuel inlet at its bottom, a fuel chamber spaced laterally from said fuel pan and having an upper portion above the plane of the bottom of the fuel pan, said chamber having a fuel inlet, a fuel pipe leading from said fuel chamber to the fuel inlet of said fuel pan, an auxiliary fuel chamber above the fuel pipe extending upwardly above the plane of the bottom of the fuel pan and having an outlet at its bottom communicating with the fuel pipe, float controlled means for controlling flow of fuel into the fuel chamber, a valve for controlling flow of fuel from the fuel chamber through the fuel pipe, and a removable body in the auxiliary fuel chamber for displacing a predetermined quantity of fuel above the plane of the bottom of the fuel pan.

2,102,368

ARCH-SUPPORTING STOCKING

Edgar J. Martel, Laconia, N. H.

Application September 26, 1935, Serial No. 42,251
5 Claims. (Cl. 66—182)



1. A knitted sock or stocking having its leg portion made of an inelastic yarn and having an elastic yarn knitted into the sole portion thereof

together with an inelastic yarn continuously from the heel pocket to the toe pocket thereof, whereby the arch of the foot is given support and a substantial cushion is provided for the ball of the foot.

2,102,369

GARTER STOCKING

Edgar J. Martel, Laconia, N. H.

Application March 3, 1936, Serial No. 66,826
2 Claims. (Cl. 66—172)



1. In an article of hosiery, supporting means incorporated therein comprising an elastic area in the leg portion thereof extending around approximately the rear half only of the circumference, said elastic area containing knitted elastic yarn.

2,102,370

FLOTATION PROCESS

Marion H. Merriss, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 16, 1935, Serial No. 11,438
17 Claims. (Cl. 209—166)

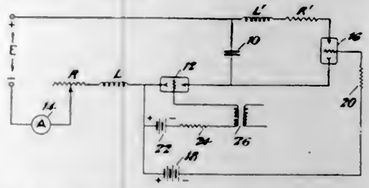
1. In the froth flotation process of treating ores, the step which comprises utilizing as a flotation agent a sulfuric acid derivative of a mixture of the oxygenated organic compounds boiling above 100° C. obtained from the catalytic hydrogenation of carbon oxides under elevated temperatures and pressures.

2,102,371

IMPULSE RATE METER

Benjamin Miller, Richmond Hill, N. Y., assignor to Power Patents Company, Jersey City, N. J., a corporation of Maine

Application June 4, 1936, Serial No. 83,447
3 Claims. (Cl. 175—368)



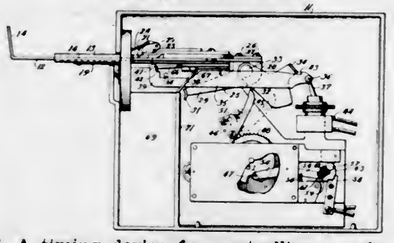
1. In an electric impulse rate meter, a condenser, a source of energy for charging the condenser, means connected in series circuit with the energy source and with the condenser for charging the condenser to a potential higher than the potential of the energy source, said means comprising a normally non-conducting trigger tube and an inductance forming with the condenser an oscillating circuit, automatic means for discharging the condenser as soon as it reaches its maximum potential, and means for applying the impulses whose rate is to be measured to the trigger tube thereby rendering said trigger tube conductive.

2,102,372

TIMING DEVICE FOR ELECTRICALLY CONTROLLED APPARATUS

Bert E. Mills, Oak Park, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois

Application June 30, 1933, Serial No. 678,405
3 Claims. (Cl. 194—9)



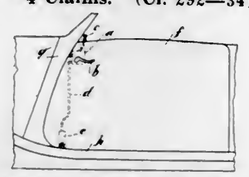
3. A timing device for controlling an electric circuit comprising a coin slide having an advancing stroke in a stranght line and a return stroke, two switches in the circuit to be controlled, a member connected with one of said switches, means carried by the slide adapted to operatively engage said member after predetermined advancing movement of the slide and, upon further movement, to cause said member to open said switch, means operable by said slide for closing the other switch on such advancing stroke, said member being operable through the instrumentality of said slide upon its return stroke for closing said first-mentioned switch, and timing mechanism adapted to be set by operation of said slide, said mechanism being operatively connected to said second-mentioned switch and adapted to open the same after a predetermined time.

2,102,373

LATCHING SYSTEM FOR AUTOMOBILES OR OTHER VEHICLES

Lucien Dominique Octave Moittié, Levallois-Perret, France, assignor to Société Anonyme des Etablissements Repusseau & Cie, Levallois-Perret, France, a company of France

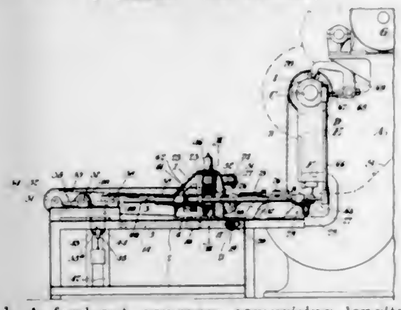
Application December 20, 1935, Serial No. 55,478
In France January 5, 1935
4 Claims. (Cl. 292—34)



1. In a vehicle including a bodywork, at least one door, and a door frame carried by said bodywork, a latching system which comprises, in combination, two corresponding rigid metallic pieces adapted to wedge in each other carried by said door and a vertical side of said frame, respectively, so as to engage each other when said door is closed, means for positively interlocking said pieces in each other, two other corresponding rigid metallic pieces adapted to wedge in each other carried by said door and the lower horizontal side of said frame, respectively, so as to engage each other when said door is closed,

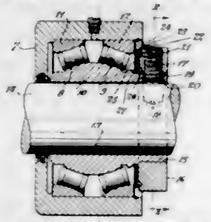
means for positively interlocking the two last mentioned pieces in each other, and means interposed between said interlocking means for causing them to operate simultaneously.

2,102,374
CONVEYER
Carl E. Moore, Gary, Ind., assignor to American Sheet & Tin Plate Company, a corporation of New Jersey
Original application January 23, 1934, Serial No. 707,979. Patent 2,025,418, dated December 24, 1935. Divided and this application November 27, 1935, Serial No. 51,908
3 Claims. (Cl. 271—80)



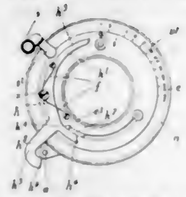
1. A feed-out conveyer comprising longitudinally extending guide means, a cross-head mounted for sliding movement longitudinally relative to said guide means, means for moving said cross-head, a roller journaled on said cross-head, a second roller journaled on a fixed portion of said conveyer remote from said cross-head, an endless belt conveying element trained around said rollers and provided with a take-up loop, and a counterweighted roller mounted in said take-up loop.

2,102,375
FASTENING MEANS FOR BEARING SLEEVES
Frederick C. Morton, Eggertsville, N. Y.
Application February 26, 1937, Serial No. 127,951
12 Claims. (Cl. 308—236)



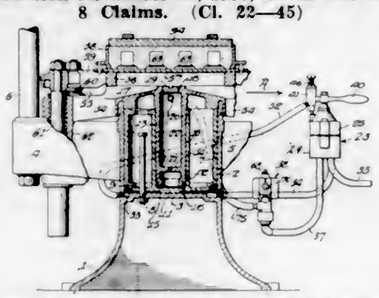
1. A bearing of the character described including a sleeve-like member which is adapted to fit upon the shaft with which the bearing is associated, said member having a hub portion, the outer face of which is eccentric to the bore of said member, said hub portion having an elongated circumferentially arranged slot formed therein, a collar which is mounted upon said hub portion and means carried by said collar which extends through said slot to engage said shaft, said means being adjustable to cause the opposite sides of said collar and shaft to engage the thin side of said hub portion, whereby said member is prevented from moving relatively to said shaft by the wedging of said hub portion between adjacent portions of said collar and shaft.

2,102,376
SHUTTER TRIGGER LATCH
August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 2, 1936, Serial No. 103,702
In Germany October 4, 1935
7 Claims. (Cl. 95—62)



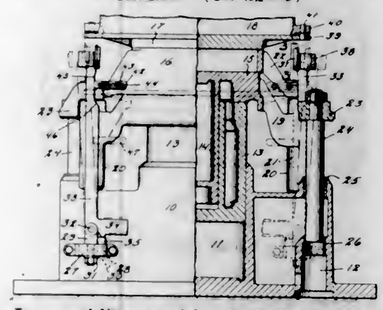
1. A locking mechanism for photographic shutters comprising, in combination, a trigger, a shutter tensioning member, a shutter setting member movable to different positions for determining the type of exposure, including instantaneous, time and bulb, an armed lever pivotally mounted on the shutter, a trigger latch carried by an arm of the lever, and means carried by the shutter setting mechanism adapted to engage and move said lever to release the trigger latch when said shutter setting member is moved to time or bulb position.

2,102,377
JOLTING AND SQUEEZE CONTROL FOR MOLDING MACHINES
William H. Nicholls, Roslyn, and Gustave Anderson, Brooklyn, N. Y.; William H. Nicholls, Roslyn, N. Y., administrator of said William H. Nicholls, deceased; assignors to Wm. H. Nicholls Co., Inc., Richmond Hill, N. Y., a corporation of New York
Application November 22, 1935, Serial No. 51,144
8 Claims. (Cl. 22—45)



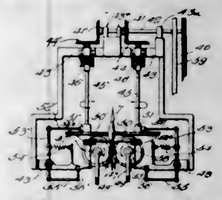
1. In a molding machine, the combination of a squeeze cylinder and a piston operating therein, a jolting cylinder, a jolting plunger operating within the jolting cylinder, and supporting means for a flask to be jolted by said jolting plunger and subsequently pressed by said squeeze piston, a manually operable control valve for selectively supplying fluid pressure to the jolting plunger or to the squeeze cylinder and for subsequently exhausting fluid pressure from the latter, means for preventing operation of the valve to exhaust fluid pressure from the squeeze cylinder until the pressure therein has reached the maximum, and a normally open and retardedly closed automatic fluid pressure operated valve remote and separate from the manual valve interposed between the connection from the manual valve to said jolting cylinder for controlling the number of jolts given said jolt cylinder.

2,102,378
ROLL-OFF MOLDING MACHINE
William Henry Nicholls, Roslyn, N. Y.; William H. Nicholls, administrator of William H. Nicholls, deceased, assignor to Wm. H. Nicholls Co., Inc., Long Island, N. Y., a corporation of New York
Application February 5, 1936, Serial No. 62,523
7 Claims. (Cl. 22—9)



1. In a molding machine including a base carrying a squeeze cylinder, a squeeze piston slidable within said cylinder and formed with a jolt cylinder, a jolt piston slidable within said jolt cylinder and carrying a jolt and squeeze head, a top frame supported by said squeeze head, laterally positioned guiding means for said frame, a pattern plate connected to said frame and normally adapted to engage and support a flask, roll-off mechanism for said flask comprising a pair of roll bars adapted to underlie adjacent portions of said flask, arms for pivotally and adjustably supporting said bars, and adjustable means carried by said frame for maintaining said roll bars out of the path of movement of the said flask during a portion of the downward movement of said frame.

2,102,379
BEET-TOPPING MACHINE
James G. Nutter, Round Grove Township, McLeod County, Minn.
Application March 21, 1932, Serial No. 600,326
6 Claims. (Cl. 55—107)

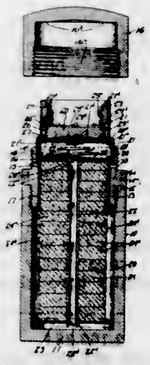


1. In vegetable topping machines the combination of a pair of rotatable cylinders disposed axially parallel to each other, means for feeding vegetables to be topped upon said cylinders, means for rotating at least one of said cylinders whereby the tops of said vegetables are drawn between said cylinders, means for passing said vegetables toward one end of said cylinders, a knife for severing the tops of said vegetables therefrom and means for adjusting the position of said knife in accordance with the shape of said vegetable, said last means including a pair of shafts at least one of which is pivotally mounted, and means mounted on said shafts for engaging the vegetables and moving said pivoted shaft according to the size of the vegetables engaged.

2,102,380
PROCESS OF CRYSTALLIZING PURE D-GLUCONO-DELTA-LACTONE
Richard Pasternack, Brooklyn, N. Y., assignor to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application March 23, 1934, Serial No. 717,112
9 Claims. (Cl. 260—123)

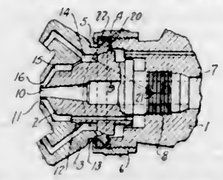
1. Process of preparing pure d-glucono-delta-lactone from aqueous gluconic acid solutions resulting from the gluconic acid fermentation of glucose, comprising over-saturating the solution in the presence within the solution of a minor proportion of an acid stronger than gluconic acid, and crystallizing d-glucono-delta lactone at 30–70° C. from the acidified solution.

2,102,381
LIGHTER CONSTRUCTION
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application January 20, 1936, Serial No. 59,822
12 Claims. (Cl. 67—7)



10. In a catalytic lighter, a container adapted to receive a volatile fuel and having a fuel vapor flow passage, a chamber adjacent said container in communication with said flow passage, a catalyst element in said chamber, said catalyst element being sealed on the bottom and sides and open at the top, and a flow conduit associated with said chamber for directing fuel vapor from said chamber to the upper open surface of said catalyst element.

2,102,382
SPRAY HEAD
Harold A. Roselund, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application January 16, 1936, Serial No. 59,433
6 Claims. (Cl. 299—140.1)



1. A spray gun having a body, an inner nozzle fixed to the body, an outer nozzle mounted on

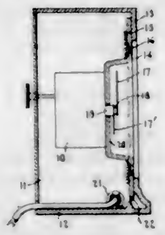
the inner nozzle, said nozzles having concentric discharge orifices and having conical portions rearwardly of said orifices one seating on the other, said outer nozzle having an outwardly projecting annular flange at its rear end with the forward face of such flange curved about a rearwardly disposed center on the common longitudinal axes of the nozzles, a union nut threaded on the body, and a ring interposed between said flange and nut in contact with the curved surface of said flange for floating movements relative thereto transverse to its axis.

2,102,383
CONNECTING DEVICE
Selden Bradley Sanford, Yonkers, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application May 8, 1936, Serial No. 78,538
10 Claims. (Cl. 173—332)



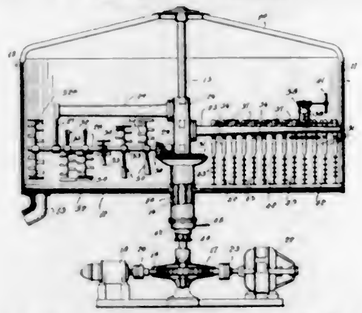
2. A connector for electrical conductors comprising, an insulated supporting body having an aperture therein, a socket having a body portion and a plurality of metallic spring fingers extending longitudinally from said body portion and positioned within said aperture, and a metallic plug for insertion into said socket, the longitudinal center portions of said fingers being out of contact with the wall of said aperture when said plug is out of said socket, said plug, when it is inserted, engaging the longitudinal center portions of the fingers and, with the edges of the fingers bearing against the wall of said aperture, flexing the fingers transversely outwardly toward said wall substantially throughout their length.

2,102,384
ILLUMINATED MEASURING DEVICE
Francis H. Scantlebury, Brooklyn, N. Y.
Original application March 10, 1932, Serial No. 598,004. Divided and this application July 18, 1935, Serial No. 32,068
9 Claims. (Cl. 240—2.1)



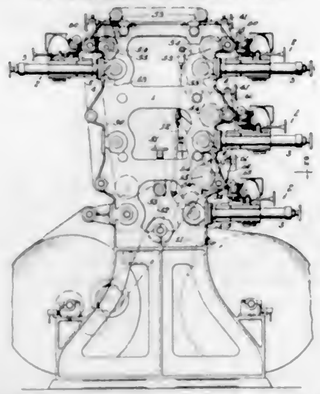
1. An illuminated device, comprising a dished member of glass with flange, the flange having etched configurations with opaque backing and the bottom of the dished member being etched to afford a background and being perforated to pass therethrough a driving element, an element movable by said driving element before the background and in juxtaposition to the configurations and contrasting with said background, and means invisible from the front of the device to illuminate the background and to edge-illuminate the configurations.

2,102,385
BREWING DEVICE
Robert C. Schock, New Rochelle, N. Y., assignor to Shock, Gusmer & Co. Inc., Hoboken, N. J., a corporation of New Jersey
Application April 20, 1936, Serial No. 75,333
5 Claims. (Cl. 259—102)



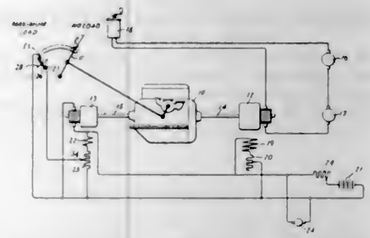
1. A mash treating means comprising a tub, a plurality of mash mixing members in the tub, means for supporting said mixing members for swinging movement about the tub, means for rotating said mixing members coactive with the swinging movement thereof, a plurality of mash loosening members, means for supporting said loosening members for swinging movement with said mixing members, the innermost of said mixing members being so constructed as to move the mash outwardly of the center of the tub at a faster rate than the outermost mixing members, and means operable exteriorly of the tub for raising said mixing members and said loosening members out of the mash within the tub.

2,102,386
PATTERN REGISTRATION MEANS FOR MULTIPLE CYLINDER PRINTING MACHINES
Harry A. Scott, North Plainfield, and Lynn B. Case, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application June 9, 1936, Serial No. 84,278
10 Claims. (Cl. 101—248)



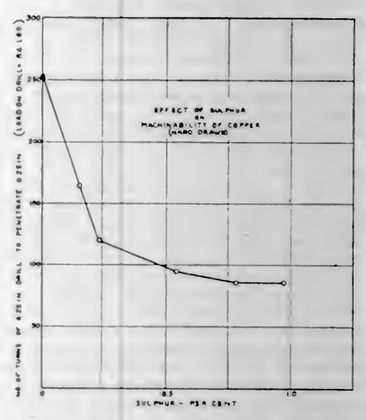
8. In a printing machine, a frame, a plurality of printing rolls for successive engagement by a web, an inking and a fountain roll associated with each printing roll, means for adjusting each printing roll with respect to its associated inking roll, means for adjusting each printing roll axially, a sprocket in driving relation to each printing roll, a chain engaging said sprockets, a pivoted arm supporting each sprocket, and means for swinging each arm to move the sprocket carried thereby lengthwise of said chain to effect registration of the patterns produced on the web by said printing rollers.

2,102,387
ELECTRIC POWER SYSTEM
George H. Shapter, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 16, 1937, Serial No. 137,253
8 Claims. (Cl. 290—17)



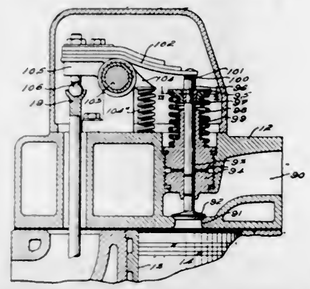
1. A power system including a prime mover providing a source of power supply, a source of electrical power supply, a main electrical load, an auxiliary electrical load, means for supplying power to said electrical loads from said prime mover, means responsive to a predetermined operating condition of said system for removing said auxiliary load from said prime mover, and means for connecting said auxiliary load across said source of electrical power supply.

2,102,388
COPPER-SULPHUR ALLOY
Cyril Stanley Smith, Cheshire, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
Application September 21, 1933, Serial No. 690,345
8 Claims. (Cl. 75—160)



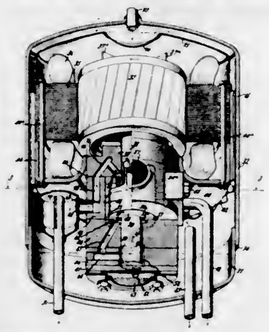
3. An article of manufacture for use in machining operations formed of a copper base alloy composed of silicon in appreciable amount up to 5%, sulphur from 0.05% to 1.5% and balance copper.

2,102,389
VALVE MECHANISM
Allen C. Staley, Birmingham, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application July 28, 1932, Serial No. 625,449, now Patent No. 2,011,780, dated August 20, 1935. Divided and this application March 30, 1935, Serial No. 13,823
4 Claims. (Cl. 121—127)



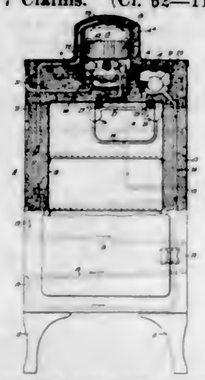
1. In an air motor having a cylinder provided with a movable piston; valve mechanism including an intake and an exhaust valve, each adapted to be opened and closed, said intake valve being adapted to be opened by a combined mechanical and fluid pressure differential on opposite sides thereof and to be closed by positive mechanical means.

2,102,390
REFRIGERATING MACHINE
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 14, 1934, Serial No. 730,589
10 Claims. (Cl. 230—139)



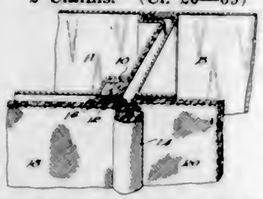
4. A refrigerating machine including a closed casing, a motor and a compressor arranged within said casing, an inverted shell having a closed depression in the top thereof secured above said motor, means including a corrugated baffle sheet for providing passages for cooling fluid between said motor and said casing, and means producing a flow of cooling fluid into the depression in said shell over said shell and through the passages formed by said corrugated sheet for cooling said motor.

2,102,391
REFRIGERATING MACHINE
Christian Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application June 14, 1934, Serial No. 730,589. Divided and this application April 13, 1935, Serial No. 16,161
7 Claims. (Cl. 62—116)



1. A refrigerating machine comprising a closed casing and including an electric driving motor, means in said casing for producing circulation of refrigerant, a cabinet for said machine including a metal outer shell and an inner liner spaced therefrom and insulation filling the space therebetween, said inner liner forming a compartment having a door opening affording access thereto, said casing being imbedded in the insulation between the top wall of said metal outer shell and the top wall of said inner liner, and means including said refrigerant circulating means for cooling said compartment.

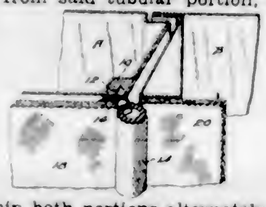
2,102,392
WEATHER STRIP
Clark A. Tea, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 27, 1936, Serial No. 71,125
2 Claims. (Cl. 20—69)



1. A weatherstrip comprising a pliable member of materially greater longitudinal dimension than its thickness, a continuous strip of wire bent into connected loops in a substantially flat plane partially within the area of said member, and extending longitudinally thereof, and securing means carried by said strip within the area of said member.

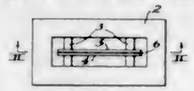
2,102,393
WEATHER STRIP
Clark A. Tea, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 27, 1936, Serial No. 71,127
2 Claims. (Cl. 20—69)

2. A weatherstrip comprising a tubular resilient portion, a flat securing portion projecting radially from said tubular portion, and looped



wire within both portions alternately contacting the opposite faces of the inner periphery of said tubular portion.

2,102,394
METHOD OF MAKING COMPOSITE FERROUS METAL ARTICLES
Max R. Trembour, Beaver, Pa., assignor to Jessop Steel Company, Washington, Pa., a corporation of Pennsylvania
Application December 3, 1931, Serial No. 578,661
15 Claims. (Cl. 29—189)

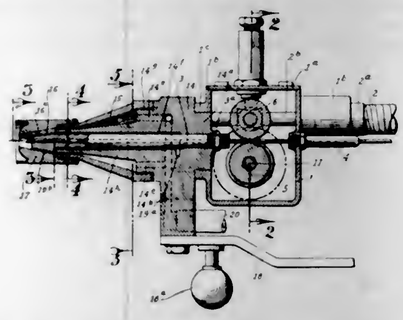


1. A method of making ply metal comprising supporting in a mold an insert formed of chromium alloy steel, the insert having a clean roughened weldable surface and a surface provided with a weld-preventing coating, casting steel other than said chromium steel around the insert to envelop it and form a composite ingot in which said insert is completely enclosed within said cast metal, rolling said ingot while heated to working temperature to press the surfaces together and cause welding between said steel and the weldable surface of said insert and to effect a desired change in section, then cropping off excess steel to expose the edges of the insert, and separating along the parting plane formed by said weld-preventing coating to form said ply metal.

2,102,395
METAL SPRAYING APPARATUS
Thomas G. Valentine and Edward J. Brennan, San Diego, Calif.
Application May 12, 1934, Serial No. 725,370
3 Claims. (Cl. 91—12.2)

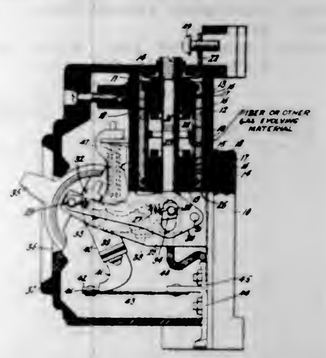
1. In a metal spraying apparatus, a gear casing, wire feeding means positioned in said gear casing, a single piece manifold secured in the one side of said gear casing and provided with a forwardly extending tapered contracted portion extending to near the nozzle end of said spraying apparatus and provided with separate fuel and air conducting conduits in said manifold, a wire guide mounted in said manifold and extending through said contracted extended portion and provided with an integral nozzle on its one end adapted to seat against the extended end of said contracted portion and its other end extending into said gear casing, a nut on said wire guide in said gear casing for drawing the nozzle end of said wire guide against the extended end of said manifold, a fuel conduit in said manifold its inner wall formed by the exterior surface of said wire guide, its one end communicating with the fuel conduit in said manifold and its other end communicating with a plurality of fuel conduits in the nozzle end of said wire guide, air conduits outwardly of said

fuel conduits in said nozzle end of said wire guide and communicating with the air conduits in said manifold, and a hood secured to said manifold



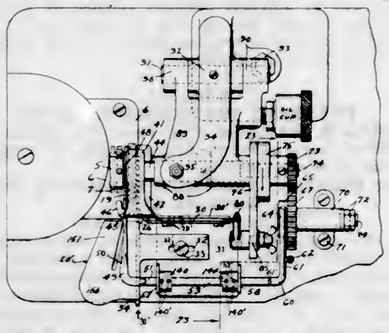
and extending in spaced relation over said extended portion of said manifold forming an air conduit with said extended portion.

2,102,396
CIRCUIT BREAKER
Ludwig S. Walle, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application May 29, 1936, Serial No. 82,486
5 Claims. (Cl. 200—144)



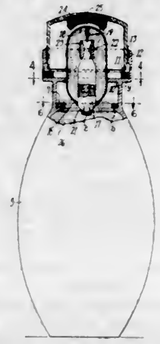
1. A circuit interrupting device comprising a pair of relatively movable contacts having a predetermined range of movement between open and closed circuit positions, walls of pressure resistant material surrounding said contacts to form a substantially gas-tightly sealed compression chamber, and a gas evolving member disposed within said chamber adjacent the point of separation of said contacts and entirely within said range of movement, said member being formed of a cellulose material containing no substantial amount of kerosene whereby substantial quantities of gas are evolved when said member is heated by the arc between said contacts, the proportions of said gas evolving member and the volume of said chamber being so related that upon operation of said contacts to an open circuit position and the consequent formation of an arc in proximity to said gas evolving member, pressures are quickly generated within said chamber of sufficient magnitude to extinguish the arc.

2,102,397
METHOD OF MAKING SEAMED ARTICLES AND APPARATUS THEREFOR
John P. Weis, Nyack, N. Y., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a corporation of New York
Application July 31, 1934, Serial No. 737,704
57 Claims. (Cl. 112—124)



1. Apparatus to produce articles with a trimmed margin and stitched seam, comprising a sewing mechanism adapted to feed multiple plies of material and to form a line of stitching; a trimming mechanism adapted to form trimmed margins on the plies relative to the line of stitching; means for driving said sewing and trimming mechanisms synchronously; and means adapted to control and move one or more of said multiple plies to vary the margin thereof relative to the line of and at the time of stitching.

2,102,398
MEANS FOR PREPARING A LIQUID
Jacob Wetstein, deceased, late of New York, N. Y., by Florence W. Winters and Erna Korn, executrices, New York, N. Y.
Original application March 31, 1932, Serial No. 602,378, which is a continuation of Serial No. 498,095, November 25, 1930. Divided and this application November 21, 1935, Serial No. 50,954. In Canada and Great Britain November 25, 1931
6 Claims. (Cl. 225—18)



5. In a device of the character described, a liquid container having positioned therein a refill member including a gas cartridge and a drink ingredient holder in which the cartridge is positioned, said holder being movable relatively to the cartridge to open a discharge outlet for the contents of both, a cover on the container, a gasket

carried by the cover, said cover and gasket having a vent opening therein, means for moving the gasket into and out of contact with the refill member, the continued movement of the said gasket after contact causing movement of the cartridge and holder whereby the drink ingredient and gas from the cartridge may charge liquid in the container, and said gasket movement out of contact causing release of the gas pressure in the top of the container after the liquid in said container has been charged with the gas and the drink ingredient.

2,102,399
TREATING HECTOGRAPH BANDS

William B. Whitmore, Oak Park, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

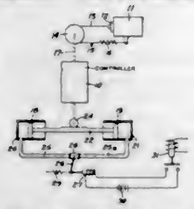
No Drawing. Application December 9, 1935, Serial No. 53,616
12 Claims. (Cl. 41—31.6)

1. A hectograph pad capable of being stacked or wound without sticking to an adjacent pad or adjacent convolutions of the same pad comprising a coating of gelatinous duplicating material and an integral non-adhesive film of a water-soluble compound of the class consisting of the polyhydric alcohols and ethers thereof on the duplicating surface of said pad.

2,102,400
CONTROLLER APPARATUS

Otto Wünsche, Berlin-Friedenau, Germany, assignor to General Electric Company, a corporation of New York

Application January 9, 1935, Serial No. 1,044
In Germany January 29, 1934
12 Claims. (Cl. 175—355)



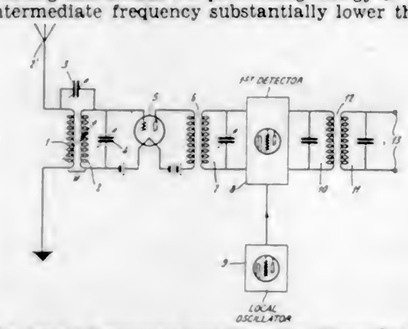
1. In combination a circuit controller operable through a plurality of circuit controlling positions for controlling a driven device, operating means therefor, retarding means for said controller comprising cylinder means for a damping fluid, a conduit connected to said cylinder means, piston means slidably mounted within said cylinder means and operable by said controller to move said fluid through said conduit, a coil spring, means mounting said coil spring in the path of said fluid, the flow of said fluid being through the spaces between the turns of said spring, and means responsive to a condition of operation of the driven device and including a plunger for compressing said spring to control the speed of movement of said piston means and said controller.

2,102,401
SUPERHETERODYNE RECEIVER

Jon Joseph Yolles, also known as Jack Yolles or Jacob Yolles, Paris, France, assignor to Radio Corporation of America, a corporation of Delaware

Application February 18, 1935, Serial No. 7,078
4 Claims. (Cl. 250—20)

1. In a superheterodyne receiver, the combination of an input circuit including a radio frequency transformer having an untuned primary winding and a secondary winding, a single condenser having its opposite sides directly connected to the ends of said secondary winding to tune said secondary winding to the signal frequency, a source of signal energy connected to said primary winding and means for preventing energy of the intermediate frequency substantially lower than

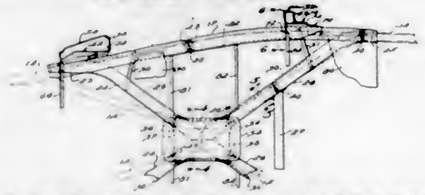


the signal frequency from passing through said secondary winding comprising a capacity coupling between said primary and secondary windings said capacity coupling being in opposed phase to the inductive coupling between said windings and the value of said capacity coupling being substantially less than the maximum value of said single condenser.

2,102,402
MOTOR VEHICLE

James C. Zeder, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application January 30, 1935, Serial No. 3,997
12 Claims. (Cl. 296—28)



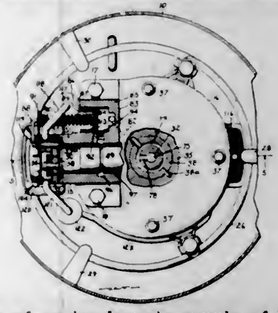
3. In an open type body structure of the character described having a forward cowl section and a rear section providing a driver's compartment therebetween, a chassis structure having longitudinally extending rails, a body frame structure connecting said body sections as a unit, means for securing said unit to said chassis structure, said chassis structure including an X-brace below said compartment, and said body frame structure including an X-brace supported by said chassis X-brace.

2,102,403
REFRIGERATING MACHINE

Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 11, 1935, Serial No. 1,337
26 Claims. (Cl. 230—30)

1. A refrigerating machine comprising a refrigerant compressor, a plurality of parts having contacting relatively moving surfaces, a lubricant reservoir, means including a closed series lubricant circuit for recirculating lubricant from said reservoir to said relatively moving surfaces to lubricate the same, means connected in said series lubricant circuit for controlling the loading and unloading of said compressor, and means for causing said loading and unloading controlling means to unload said compressor in response to

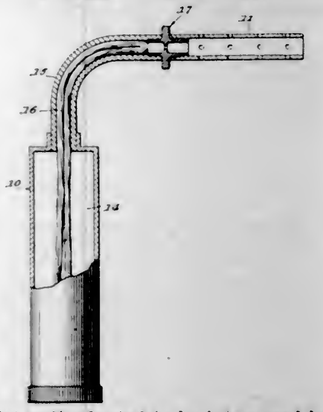


the supply of an inadequate supply of lubricant to said relatively moving surfaces and including a sharp edged orifice for causing said loading and unloading controlling means to be unresponsive to changes in viscosity of said lubricant.

2,102,404
AUTOMATIC BLAST TORCH

Samuel C. Brody, Brighton, Mass.

Application August 10, 1936, Serial No. 95,220
8 Claims. (Cl. 158—35)



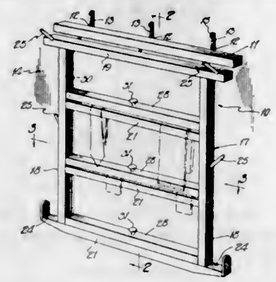
1. A jet unit adapted to be interposed between the pressure generating unit and the combustion burner of a self-generating blast torch, comprising a member having a portion projecting into the inner end of the combustion burner so as to be heated thereby and providing an expansion chamber in communication with the pressure generating unit and open to the interior of the burner within which chamber the gases emitted from said pressure generating unit enter and expand into contact with the heated inner wall surface of said chamber to absorb the heat therefrom and thereby enter the combustion burner in expanded and highly volatilized form.

2,102,405
UTILITY HANGER

Gioacchino Coggiola, Union City, N. J.

Application April 28, 1937, Serial No. 139,410
4 Claims. (Cl. 211—89)

1. A utility hanger for attachment to a wall or other like vertical supporting structure comprising a rectangular shape frame, spaced parallel horizontal supporting rails fixedly mounted in said frame, vertical rods fixedly supported by said frame and extending adjacent the inner sides of the side rails of the same and for the

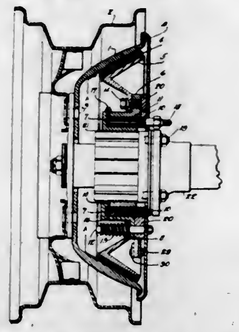


height thereof, complementary clamping rails for the respective supporting rails and superposed relative thereto, and pairs of guide pins carried by opposite ends of said clamping rails between which said rods extend.

2,102,406
BRAKING APPARATUS

Abraham Cohen, New Haven, Conn.

Application April 11, 1935, Serial No. 15,851
8 Claims. (Cl. 188—71)



1. In a fluid pressure brake, a brake drum, a base member, a brake shoe slidably supported on said base member, means for applying fluid pressure to said brake shoe, said last named means including a stationary annular piston fastened to said base member cooperating with a movable annular cylinder located directly on said brake shoe.

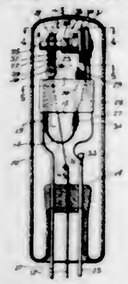
2,102,407
CONTROL DEVICE AND THE PRODUCTION THEREOF

Charles W. Dann, East Orange, N. J., assignor, by mesne assignments, to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application April 28, 1934, Serial No. 722,960
36 Claims. (Cl. 200—138)

1. In a device of the class described, a sealed container, a switching structure mounted within said container and comprising a thermo-sensitive member and a plurality of electrical contacts, at least one of said contacts being movable under the influence of said member, and at least one of said contacts being mounted for adjustment in

respect to said movable contact, and means for effecting the locking of said adjustable contact



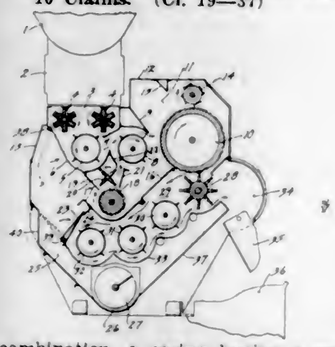
in adjustment with the seal of said container intact.

2,102,408

CLEANER AND HULL EXTRACTING FEEDER FOR COTTON

Frank E. Deems, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware

Application July 15, 1935, Serial No. 31,371
10 Claims. (Cl. 19—37)



7. In combination, a casing having a cotton inlet and a cotton discharge, a hull extractor mechanism on the cotton discharge side of the casing, an after-cleaner compartment disposed across the casing in position to deliver cotton into said discharge and comprising a series of cleaner rolls and a bottom screen bed, means to deliver the cotton stream directly from said inlet into the inner end of said after-cleaner compartment for a single traverse thereof to the cotton discharge, and means to deliver the cotton stream from said extractor mechanism into the outer end of said compartment in position to engage said cleaner rolls and be driven thereby for a double traverse of said compartment in its passage to said discharge, and means to discharge the hulls and trash removed from the cotton stream in its selected traverse of said casing.

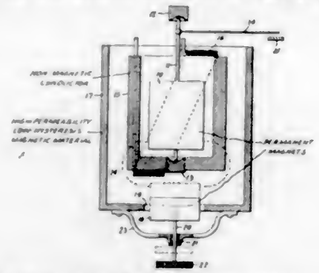
2,102,409

ELECTRICAL-MEASURING INSTRUMENT

Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application June 19, 1936, Serial No. 86,109
7 Claims. (Cl. 171—95)

3. A direct current electrical measuring instrument having a movable armature consisting of a magnetic cylinder of sintered oxide material of about half the weight of steel and polarized across a diameter thereof through its axis of rotation, stationary energizing winding means surrounding the armature for directly producing flux across the axis of rotation of said armature



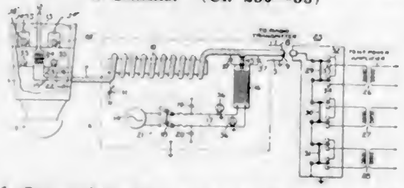
and a magnetic shield of high-permeability low-hysteresis magnetic material surrounding the flux axes of said coil and armature for protecting the instrument from stray fluxes and serving as a magnetic return for fluxes of the instrument.

2,102,410

ANTENNA SYSTEM

George W. Fyler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 20, 1935, Serial No. 17,451
4 Claims. (Cl. 250—33)



1. In combination, an antenna tower insulated from ground except through capacitance, a source of oscillations connected between ground and said antenna tower, an inductance coil connected in series between said tower and said source, the inductance of said coil being so proportioned relative to said capacitance that the voltage on said tower is substantially greater than that of said source, a power load arranged on said tower, a power source, a conductor extending from said load to said source along the turns of said coil throughout the length of said turns, and a drainage connection for static charges on said tower, said connection comprising said conductor, a connection from the tower end thereof to said tower and a connection from the source end thereof to ground.

2,102,411

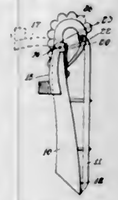
CLIP PIN FLOWER HOLDER

Robert Graillat, New York, N. Y., assignor to George Schuler & Co., Inc., New York, N. Y., a corporation of New York

Application July 22, 1937, Serial No. 154,978
2 Claims. (Cl. 24—6)

2. A clip pin flower holder, comprising a body portion and means pivoted to its under side at one end for attaching the holder to a garment, and a U-shape member pivoted at its open end to said body portion at said end with a portion extending over the upper surface of the body portion and adapted for contact therewith, said

member having extensions beyond its fulcrum with squared surfaces at right angles to each other, and springs attached at one end to the



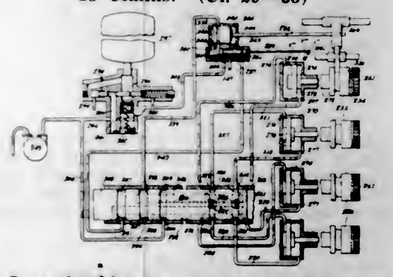
underside of the body portion and having free ends respectively adapted to bear alternatively upon one or the other of said surfaces.

2,102,412

CHUCKING MACHINE

George O. Gridley, New Britain, Donald H. Montgomery, Hartford, and Earl H. Wheeler, New Britain, Conn., assignors, by mesne assignments, to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Original application July 16, 1931, Serial No. 551,136. Patent No. 2,055,435, dated September 22, 1936. Divided and this application May 29, 1936, Serial No. 82,424. Renewed July 30, 1937
15 Claims. (Cl. 29—38)



1. In a chucking machine, a rotatable spindle, a chuck carried thereby, a fluid pressure actuated means for actuating said chuck, means for driving said spindle, a clutch controlling the same, a fluid pressure actuated means for actuating said clutch, and a single valve for controlling the flow of pressure fluid for both said fluid pressure actuated means.

2,102,413

ANALEMMIC TELLURIAN GLOBE

William H. Hall, Cicero, Ill.

Application April 27, 1934, Serial No. 722,616
20 Claims. (Cl. 35—46)

1. In a tellurian apparatus, a terrestrial globe, meridian indicating means on the globe, means for mounting the globe for rotation about its polar axis, means supporting said globe and its mounting for rotation about a vertical axis intersecting the center of the globe and the axis of the globe at an angle of 23°—27 minutes, a stationary arch surrounding the greater portion of the globe having a margin whose plane so intersects the equator of the globe as to divide it into two parts of approximately 178°—7½ minutes and 181°—52½ minutes, a time band mounted for oscillation bearing hour indicia encircling the globe in a plane parallel to its equator, and means for positioning said band relatively to the arch to show correctly the mean solar time hour angles for the meridians of the globe for any position of the



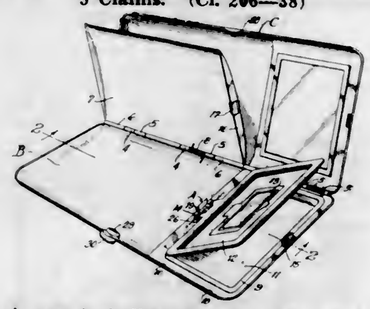
globe's polar axis relatively to the plane of said arch.

2,102,414

COMBINATION VANITY AND CIGARETTE CASE

Charles J. Hannings, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois

Application August 29, 1936, Serial No. 98,535
5 Claims. (Cl. 206—38)



1. A case including a two-compartment body to which is hinged a lid fitting over one compartment and a cover overlying the lid, a partition wall for the case compartments, and a one-piece spring catch having a pivotal mounting adjacent the partition wall and bearing yieldingly thereagainst adapted to releasably engage the lid when in closed position.

2,102,415

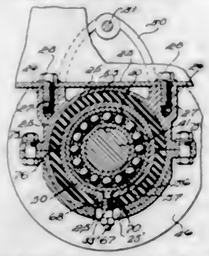
PROPELLER SHAFT BEARING

Alexander G. Herreshoff, Grosse Pointe, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application January 25, 1934, Serial No. 708,223
3 Claims. (Cl. 308—26)

1. A bearing for supporting in suspended relationship to a frame a propeller shaft having a plurality of universal joints, including a non-yieldable radial bearing rotatably journaling said shaft therein at a point intermediate two of said universal joints, a rigid support member fixed to said frame and provided with an opening therein, a rigid bearing holder enclosing said bearing and closely fitting the periphery thereof, a rubber annulus having cross sectional convex inner and outer peripheral surfaces, said holder and support member being provided with recesses complementary with the inner and outer peripheral surfaces, respectively, of said annulus

for receiving the latter, said rubber annulus being disposed in said recesses and intermediate said holder and support member to take up varia-



tions in the length of said propeller shaft and yieldably to oppose angular misalignment of said propeller shaft.

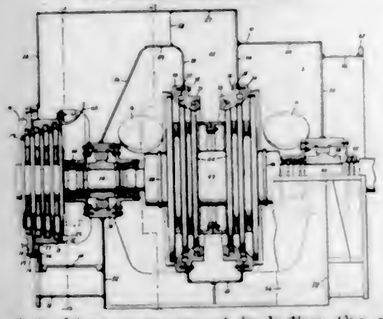
2,102,416

ELASTIC FLUID TURBINE ARRANGEMENT

Oscar Junggren, deceased, late of Schenectady, N. Y., by the Schenectady Trust Company of Schenectady, N. Y., executor, assignor to General Electric Company, a corporation of New York

Application June 26, 1936, Serial No. 87,556

7 Claims. (Cl. 253—69)



1. A turbine arrangement including the combination of a high pressure turbine, a low pressure turbine, shaft means for the turbines, a bearing for supporting the shaft means, said bearing having one side disposed in the exhaust space of the high pressure turbine and another side disposed in the exhaust space of the low pressure turbine, and packing means on each side of the bearing to reduce leakage of exhaust fluid from the high pressure turbine into the bearing and from the latter into the low pressure turbine.

2,102,417

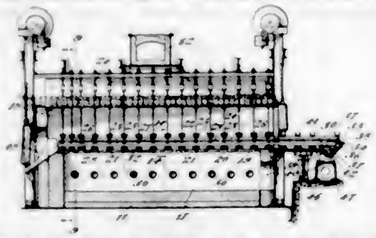
APPARATUS FOR MANUFACTURING BOLTS AND SIMILAR ARTICLES

James A. Kinney, Lebanon, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania

Application April 12, 1935, Serial No. 15,975

27 Claims. (Cl. 263—6)

1. A furnace of the class described, comprising a combustion chamber and a heating chamber, a plurality of pusher-bars in the heating chamber adapted to receive one end of articles to be heat treated, having their inner ends arranged in stepped relation to each other, stationary guide-bars arranged in pairs above each pusher-bar for supporting the opposite ends of the articles suspended in a vertically inclined position, and means for reciprocating the pusher-bars to



advance the articles being heat treated through the heating chamber.

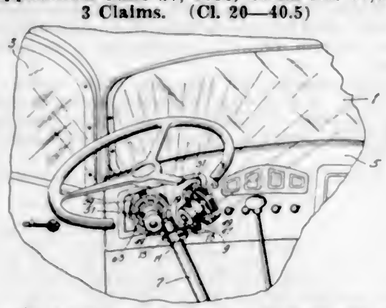
2,102,418

AUTOMOTIVE AIR CIRCULATOR

Benjamin Kirsch, Chicago, Ill., assignor to Auto Radiator Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application June 27, 1936, Serial No. 87,681

3 Claims. (Cl. 20—40.5)



1. An air circulator for automotive use comprising a single fixed support within a vehicle body, a bracket on said support, adjusting means between the bracket and the support, and a plurality of fans adjustably mounted on the bracket and forming a bracketed cluster.

2,102,419

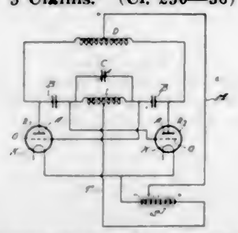
OSCILLATION GENERATOR

Fritz Klutke, Berlin-Johannisthal, Germany, assignor to Allegemeine Elektricitatz Gesellschaft, Berlin, Germany, a corporation of Germany

Application February 12, 1936, Serial No. 63,486

In Germany April 6, 1935

5 Claims. (Cl. 250—36)



1. A regenerative oscillator comprising an electron discharge device having within an envelope, an anode, a cathode and a grid, a feed-back circuit between said anode and grid, and means for maintaining said anode at a positive direct current potential relative to said cathode and said grid at a direct current potential at least as positive as said anode with respect to said cathode, whereby there is obtained substantial constancy of amplitude of oscillation.

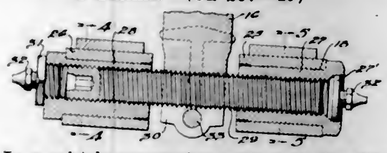
2,102,420

VEHICLE SUSPENSION SYSTEM

Axel W. Kogstrom, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application February 13, 1936, Serial No. 63,717

8 Claims. (Cl. 267—19)



1. In a vehicle suspension system, a plurality of weight supporting springs, each of said springs having an eye portion, a bushing disposed in each of said eye portions, a shaft extending through said bushings for connecting the adjacent ends of said springs together, at least one of said bushings provided for an adjustment of said shaft relative to the axis of one of said spring eye portions.

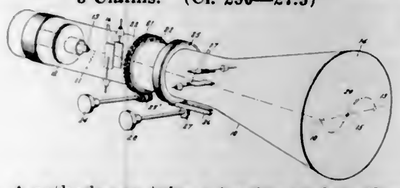
2,102,421

CATHODE RAY OSCILLOGRAPH

Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 12, 1934, Serial No. 734,784

3 Claims. (Cl. 250—27.5)



1. A cathode ray tube, a tracing surface therefor, means for projecting a cathode ray through said tube onto said surface, two sets of deflecting means at different axial positions in said tube, one set for deflecting the ray along one axis, and the other set for deflecting the ray along a different axis, and means located external to the tube for producing an adjustable but substantially uniform magnetic field through said tube in any desired direction in a plane at right angles to the normal direction of the ray between said two sets of deflecting means.

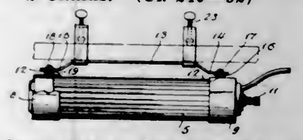
2,102,422

SUPPORT FOR LAMPS

Max Lager, New York, N. Y.

Application April 12, 1937, Serial No. 136,358

2 Claims. (Cl. 240—52)



1. In a lamp, the combination of a light permeable body adapted to enclose a source of light, removable end caps for said body, a connecting member joining said end caps and having its ends offset from the intermediate portion thereof, with one of said ends provided with a slot open at the adjacent extremity of said connecting member, means to secure the other end of said connecting member to one of said caps, a fastener extending through the slot in the first named end of the connecting member and into the associated end cap, and means on said strap for mounting the lamp on a support.

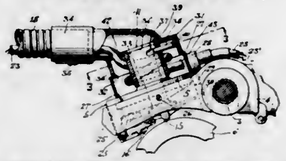
2,102,423

PHONOGRAPH

Sam G. Langley, Maplewood, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application September 14, 1934, Serial No. 743,949

15 Claims. (Cl. 274—17)



8. The combination with a phonograph including a record rotating device, sound translating means movable to engage various surface portions of a record rotated by said device, a sound transmitting tube, an electric circuit for controlling the operation of said rotating device, and a switch carried by said tube and adapted to be connected into and to govern said circuit; of means coupling said tube to said translating means and comprising a part in fixed relation to said translating means and a relatively swivellable part; an interior tubular element comprised in said swivellable part and forming with said fixed part an annular recess; and electric leads connecting said switch into said circuit, said leads passing from said switch longitudinally of said tube and into said recess, having a slack portion disposed within said recess, and passing from said recess outwardly through said fixed part of said coupling means.

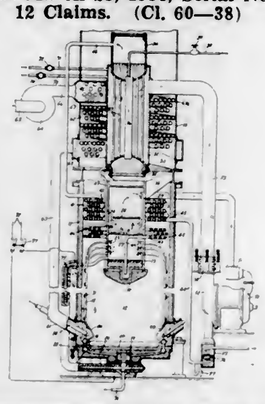
2,102,424

MERCURY POWER PLANT

Anthony J. Larrecq, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 23, 1934, Serial No. 717,125

12 Claims. (Cl. 60—38)



1. In a mercury power plant, the combination of a boiler, a condenser connected to the boiler being located at a level above the boiler, a turbine receiving mercury vapor from the boiler being located at the level of the boiler, a conduit for conducting exhaust vapor from the turbine

into the condenser whereby a part of the energy content in the exhaust vapor is utilized in conveying the exhaust vapor to a higher level, and an evaporator connected to the turbine exhaust for receiving liquid particles exhausted from the turbine and evaporating them.

4. In a mercury power plant, the combination of a boiler having a cylindrical outer casing, a wall of heat resisting material lining the interior of a lower portion of the casing to define a combustion space, a drum and heating elements being at least partly disposed within said space, a turbine for receiving vapor from the drum, a condenser boiler diposed within and supported on the cylindrical casing above the drum for receiving exhaust vapor from the turbine, and means for conducting condensate from the condenser to the drum comprising a liquid heater having a plurality of series-connected layers of spirally wound tubes encircling the drum and exposed to the fire gases discharged from the combustion space.

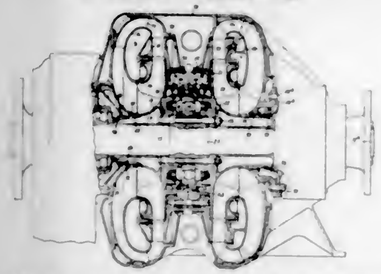
9. In the operation of a power plant comprising a boiler for generating and superheating mercury vapor using a mixture of mercury and a substance in the mercury for increasing the superheat of the mercury at the operating temperature of the plant, the method of increasing the relative amount of said substance to increase the superheat of the mercury at the operating temperature of the plant as the load on the power plant decreases.

2,102,425

FÖTTINGER DRIVE

Walter Lenz, Berlin-Reinickendorf-West, Germany, assignor to General Electric Company, a corporation of New York

Application March 23, 1936, Serial No. 70,503
In Germany April 25, 1935
2 Claims. (Cl. 60—54)



1. A multiple hydraulic gear of the Föttinger type with a plurality of separate liquid circuits comprising the combination of a single drive shaft having a collar, at least two gears, each gear having a pump wheel, the two pump wheels arranged back to back, and means flanging the back to back arranged pump wheels to the collar.

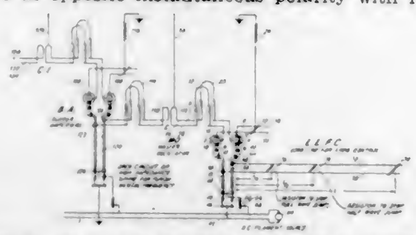
2,102,426

FREQUENCY CONTROL

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application April 5, 1932, Serial No. 603,310, now Patent No. 2,052,576, dated September 1, 1936. Divided and this application November 23, 1933, Serial No. 699,372. Renewed March 8, 1937
17 Claims. (Cl. 250—36)

1. A high frequency oscillation generator comprising a pair of push-pull connected electron discharge devices each having an anode, a cathode and a control electrode, a high frequency circuit connecting said anodes together, a high frequency circuit connecting said control electrodes together, and a high frequency circuit connecting said cathodes together, whereby said anodes are at opposite instantaneous polarity with respect to each other and said grids are at opposite instantaneous polarity with respect to each other, a frequency stabilizing circuit consisting of a pair of conductors having uniformly distributed inductance and capacity connected between said cathodes, and means for producing standing waves on said frequency stabilizing circuit.

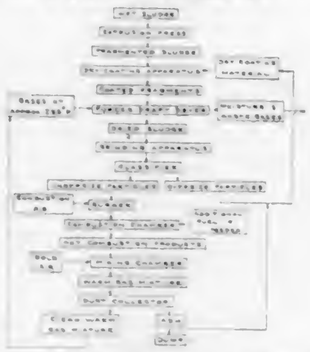


2,102,427

METHOD OF TREATING WASTE WET ORGANIC MATERIAL

Richard L. Lloyd, Great Neck, N. Y., and Henry J. Stehli, Cedar Grove, N. J.; Stella Warde Lloyd executrix of said Richard L. Lloyd, deceased

Application June 22, 1932, Serial No. 618,676
2 Claims. (Cl. 110—8)



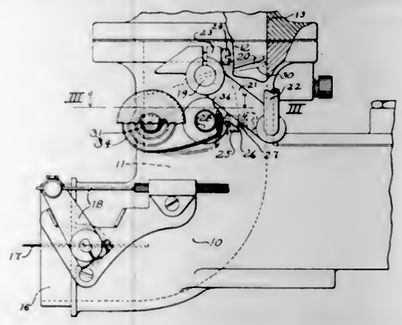
1. The method of treating sewage sludge which comprises dividing a wet mass of said sludge into small fragments, coating the surface of each fragment with dry powdered material to such an extent as to prevent adjacent fragments from adhering one to the other, forming a layer of the coated fragments with air passageways extending from top to bottom of the said layer, passing a current of warm drying gases through the said passageways until the said fragments are substantially dry, the temperature of said gases being not in excess of about 225° F., grinding the dry fragments, classifying the ground material to sized and oversized portions, mixing the sized portion of the ground material with air and projecting the mixture into a combustion zone maintained at a temperature at least in excess of red heat, separating the dust from the resultant gases of combustion, drying other coated fragments with the cleaned gases, and coating other wet fragments with dry powdered material formed of a mixture of said ash and the oversized portion of the ground material.

2,102,428

INTERNAL COMBUSTION ENGINE FUEL SYSTEM

John B. Macauley, Jr., Grosse Pointe, and Andre J. Roualet, Detroit, Mich., assignors to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application December 13, 1932, Serial No. 647,006
6 Claims. (Cl. 123—119)



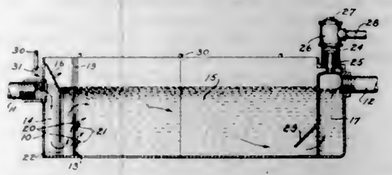
1. In a carburetor including a fuel mixture passage having a variable choke valve, means for controlling only the quantity of fuel mixture passing through the latter including a variable throttle valve, a stop engageable by said means for holding said throttle valve against closing beyond one predetermined partially open position, and means including a temperature responsive element operable irrespective of the position of said variable choke valve only when subjected to temperatures below a predetermined temperature for holding said throttle valve against closing to said predetermined partially open position and beyond another predetermined partially open position.

2,102,429

GREASE TRAP

Arthur M. McLeod, Madison, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin

Application July 3, 1936, Serial No. 88,729
8 Claims. (Cl. 210—56)



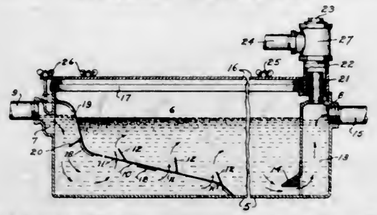
1. A grease trap comprising, a casing forming a separating chamber, a dam spanning said chamber and having an opening therethrough beneath its crest, said dam having a louvre adjacent said opening extending upwardly away from the dam in the direction of flow of liquid through said opening, and means for maintaining the liquid level in said chamber considerably above the crest of said dam.

2,102,430

GREASE TRAP

Arthur M. McLeod, Madison, Wis., assignor to D. J. Murray Manufacturing Co., Wausau, Wis., a corporation of Wisconsin

Application July 23, 1936, Serial No. 92,096
12 Claims. (Cl. 210—56)



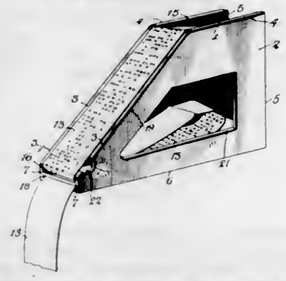
1. A grease trap comprising, means forming a separating chamber having an inlet and an outlet, and a dam spanning said chamber and having a series of through openings located progressively nearer said outlet, each of said openings having a wall for deflecting the flow through the opening upwardly therefrom.

2,102,431

COPY HOLDER FOR STENOTYPE STRIPS

Jay McNamara, New York, N. Y.

Application September 4, 1936, Serial No. 99,339
2 Claims. (Cl. 120—29)



1. A holder for stenotype record strips comprising a chamber to receive the folded strips and defined by a bottom wall, a rear wall, a top wall inclined upwardly from the rear wall, an inclined table extending from the forward end of the top wall to the forward end of the bottom wall and side walls projecting above the top wall and acting as a guide for the strip exteriorly and interiorly of the chamber, spaced cleats below the bottom wall acting as guides for the previously read portion of the strip, one of the cleats and the lower end of the table being spaced from the forward end of said bottom wall to provide outlet passages for the ends of the strip.

2,102,432

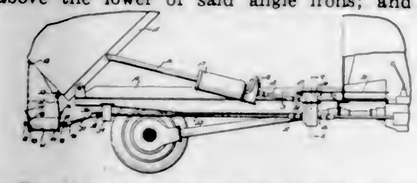
COMBINATION TRUCK AND CONVEYER

Clifford A. Nesseth, Detroit, Mich.

Application June 5, 1935, Serial No. 25,033
3 Claims. (Cl. 214—83)

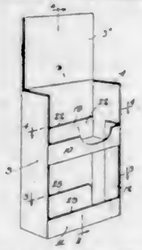
1. In a device of the class described, a conveyer comprising: a pair of spaced, oppositely disposed side plates; an angle iron mounted on the inner face of each of said side plates, adjacent the upper and lower edges thereof, and extending longitudinally thereof; a transversely extending plate connecting said side plates at their opposite ends, said transversely extending side plate being

positioned below and spaced from the lower of said angle irons; a roller rotatably mounted between said side plates at each end thereof, said rollers being located to position the periphery thereof above the upper of said angle irons and above the lower of said angle irons; and an



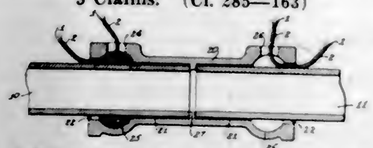
endless belt passing around said rollers, the upper portion of said belt passing above the upper of said angle irons and the lower portion of said belt passing above the lower of said angle irons, said transversely extending plates assisting the lower of said angle irons in preventing sagging of the lower portion of said endless belt.

2,102,433
BOX
Matthew J. Nevins, Jr., Glen Ridge, N. J., assignor to The Nevins-Church Press, New York, N. Y., a corporation of New Jersey
Application April 13, 1937, Serial No. 136,545
3 Claims. (Cl. 229—27)



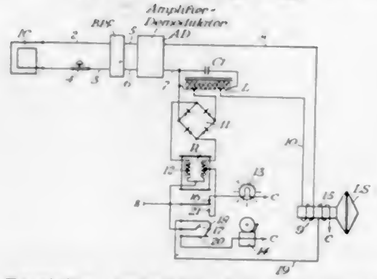
1. A box formed of paper, pasteboard or similar material comprising a back, a pair of side walls and a pair of folding structures, one independent folding structure extending from one of said side walls being at the bottom of the box and the other intermediate of the height, each of said folding structures including a front wall, a side panel cemented to the other of said side walls, a bottom and a back wall frictionally engaging the back wall of the box, and a tab extending from the back wall of the box for supporting the bottom of the intermediate folding structure.

2,102,434
PIPE JOINT
Alden E. Osborn, New York, N. Y.
Application November 11, 1936, Serial No. 110,196
5 Claims. (Cl. 285—163)



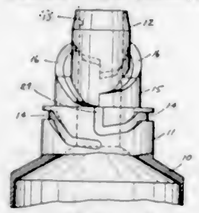
1. A fitting having a channel and provided with an aperture intersecting said channel and a means for retaining a member within said fitting and for preventing leakage adjacent said means of retention, comprising a cord embodying a wire of relatively hard material and a wire of relatively soft material, both said wires being normally fastened together and adapted to be simultaneously wound thru said aperture and into said channel by relative rotation between said fitting and said member.

2,102,435
RECEIVING APPARATUS FOR COMMUNICATION SYSTEMS
Willard P. Place, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 26, 1937, Serial No. 133,214
12 Claims. (Cl. 179—82)



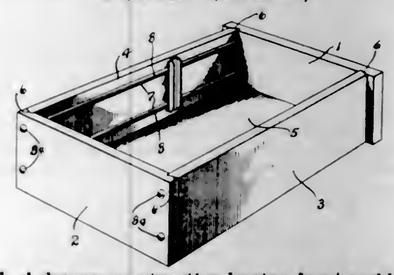
1. Receiving apparatus for communication systems comprising, a demodulator capable of demodulating a carrier telephone current and a signaling current equivalent to the carrier modulated by a predetermined frequency, a parallel resonant circuit proportioned for resonance at said predetermined frequency, a loud speaker, a first winding associated with the loud speaker, means to connect said resonant circuit and said first winding across the output terminals of the demodulator to form an output circuit for the demodulator, a relay, means to connect a winding of the relay with said resonant circuit to energize the relay in response to such signaling current supplied to the demodulator, and circuit means including a back contact of the relay and a second winding associated with the loud speaker as well as a current source to condition the loud speaker as required for reproducing the voice frequencies of the current flowing in said first winding in response to such telephone current supplied to the demodulator.

2,102,436
CLOSURE FOR CONTAINERS
Frank I. Remy, Syracuse, and Benjamin P. Remy, Indianapolis, Ind.; Margaret Wood Remy executrix of said Benjamin P. Remy, deceased
Application January 14, 1933, Serial No. 651,776
2 Claims. (Cl. 221—60)



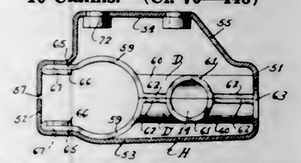
1. A closure for containers having a discharge spout provided with an orifice, said spout including a neck having a cam surrounding the same, a second cam surrounding said spout, a rotatable cap mounted over said neck and embracing said spout movable longitudinally of said neck by said first-mentioned cam upon rotation, a valve pivotally mounted in said cap having a head movable over said orifice for closing the same, and means associated with said valve and operable by said second-mentioned cam for moving said valve to closing position when said cap is rotated in one direction and into open position when said cap is rotated in the opposite direction.

2,102,437
KNOCK-DOWN DRAWER
Bayard E. Richardson and Richard W. Willey, Grand Rapids, Mich.
Application February 18, 1936, Serial No. 64,442
2 Claims. (Cl. 45—7)



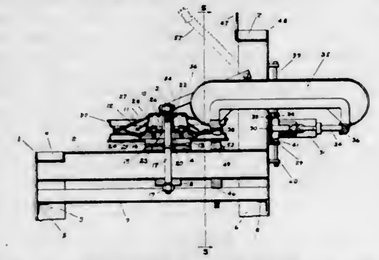
1. A drawer construction having front and back and spaced apart vertical sides, horizontal rods extending lengthwise of each of said sides connecting the front and back of the drawer, and vertically positioned channel shaped partition guides each having clips attached at its rear side, said clips slidably connecting with said rods.

2,102,438
AUTOMOBILE LOCK STRUCTURE
Ray A. Sandberg, Waukegan, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application June 11, 1936, Serial No. 84,601
10 Claims. (Cl. 70—448)



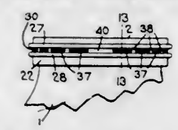
1. In a steering post lock body, an integral oblong housing comprising top, side, and end walls, said top wall having a steering column receiving opening adjacent one end thereof and a lock cylinder structure receiving opening at the other end thereof, a structure within said housing extending longitudinally thereof and composed of similar integral halves comprising each a semi-tubular longitudinal wall with a semi-tubular lateral wall extending therefrom and an arcuate wall extending from one end, said halves being secured together edge to edge whereby said longitudinal walls form a cylindrical bore for a shiftable steering post locking bolt structure and said lateral walls form a bore in registration with the lock cylinder structure receiving opening in the housing top, said arcuate walls being in alignment with the housing top opening for receiving the steering column.

2,102,439
WHEEL REPAIRING MECHANISM
Henry C. Schildmeier, Indianapolis, Ind.
Application May 1, 1935, Serial No. 19,227
8 Claims. (Cl. 153—32)



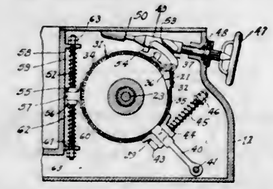
6. In a wheel repairing mechanism, a frame, a wheel support on said frame for supporting a wheel in position for repair, a standard forming part of and rising from said frame, said standard having an opening therein, a jack seat mounted on said standard adjacent to said opening, a jack on said seat, and a C bar adapted to be disposed in said opening with one jaw engaged with the rim of a wheel on said support, and the other engaged by said jack.

2,102,440
CONTAINER
Harry Sebell, Boston, Mass., assignor of one-half to Arthur H. Parker, Lexington, Mass.
Application July 20, 1935, Serial No. 32,389
7 Claims. (Cl. 215—46)



3. A container presenting an open-top body portion provided with a bead at its upper edge and a closure of sheet metal having a skirt portion encircling and crimped to said bead, said skirt portion being formed with two annular ribs and the zone between said ribs being provided with a line of weakness whereby when the ribs are pried apart the closure is torn along the line of weakness.

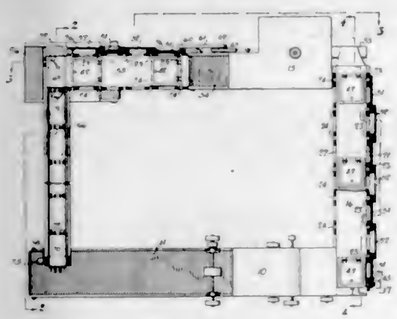
2,102,441
DRIVE MECHANISM
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1935, Serial No. 29,791
Renewed August 14, 1936
20 Claims. (Cl. 188—77)



1. In a power transmission device, a driven member, geared drive means for driving said

member including a rotatable member, and means under the control of friction for automatically releasing said drive means upon a predetermined torque load on said driven member including a friction member engageable with said rotatable member, manually operable means for engaging said friction member with said rotatable member, a rocking member engageable with said friction member and having connection with said means for manually engaging said friction member with said rotatable member, and a yieldable member engaging said friction member and adapted to yield upon a predetermined torque load on said shaft and drum to permit said friction member to rock said rocking member and release said manual engaging means.

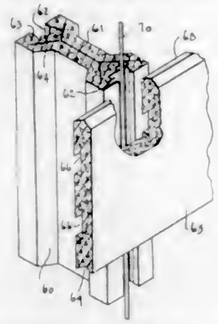
2,102,442
COTTON CONVEYER
William H. Suttenfield, Statesville, and Olin L. York and Van Buren A. Howard, Longisland, N. C., assignors to Superior Yarn Mills, Incorporated, Statesville, N. C., a corporation of North Carolina
Application June 8, 1934, Serial No. 729,692
1 Claim. (Cl. 19—67)



Fiber preparation machinery comprising a bale breaker, an opener, and a picker, a horizontally disposed endless belt for feeding fibers into the bale breaker, a tube disposed between the bale breaker and the opener and having a series of grates forming upper and lower horizontal compartments extending for the length of the tube, the interior of the tube being exposed to atmospheric pressure, said tube having a plurality of driven beaters disposed transversely thereof for driving the fibers from the bale breaker to the opener, a second tube disposed between the opener and the picker and having a series of grates therein forming upper and lower compartments, the upper compartment having a plurality of transversely disposed driven beaters therein for forcing the fibers from the opener to the picker, a second endless belt for conveying any surplus fibers which are not fed into the picker back and onto the top of said first endless belt whereby the surplus fibres are again introduced into the bale breaker.

2,102,443
BUILDING CONSTRUCTION
Lawrence T. Thorn, Memphis, Tenn.
Application January 17, 1935, Serial No. 2,211
1 Claim. (Cl. 72—115)

A unit for building construction, comprising a precast concrete member having an undercut groove formed in a face thereof, the outer portion of said groove having sides extending inward substantially at right angles to the face of said

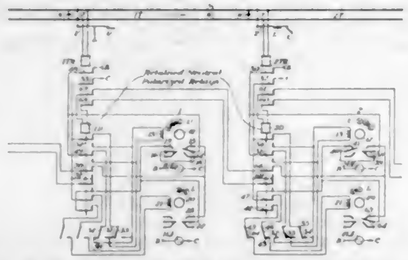


member for substantially one half its depth, and thence diverging to the bottom of said groove.

2,102,444
INVESTMENT COMPOSITION
George Clyde Van Allen, Maplewood, N. J., assignor to Baker & Company, Inc., a corporation of New Jersey
No Drawing. Application July 2, 1936, Serial No. 88,595
10 Claims. (Cl. 22—188)

1. An investment composition comprising a major portion of a siliceous filler and gypsum, and a relatively small proportion of a titanium compound.

2,102,445
RAILWAY SIGNALING
James J. Vanhorn, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 15, 1936, Serial No. 64,095
14 Claims. (Cl. 246—50)



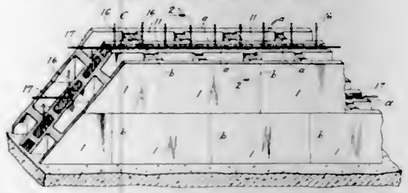
1. A railway signal system comprising, a plurality of successive sections of railway track, each such section having a track circuit including a track relay, a signal for each section, each such signal having a mechanism responsive to the polarity of the current supplied thereto, a line circuit for each section governed by the associated track relay, a polarized line relay for each section connected to the line circuit for that section, contacts of each line relay for reversibly governing the line circuit for the section next in rear of the associated section and for reversibly governing the mechanism of the associated signal, and means including front contacts of each track relay for supplying current to said contacts of the associated line relay if and only if such track relay is energized.

2,102,446
RIBBON REEL
Henry Wallace, New York, N. Y.
Application March 11, 1937, Serial No. 130,286
2 Claims. (Cl. 242—70)



1. A ribbon reel, comprising two separable parts, one part comprising a disc and a tubular hub extending therefrom, and the other part comprising a disc and a part-cylindrical spring sheath extending therefrom adapted to be forced on to the hub by relative edgewise movement of the discs, the longitudinal edges of the sheath being turned outward and the side portions of the sheath adjacent its longitudinal edges being free of the disc to flex outwardly to receive the hub, and the sheath being of a size to fit closely about the hub to grip the ribbon between the sheath and the hub.

2,102,447
BUILDING CONSTRUCTION
Donald D. Whitacre, Waynesburg, Ohio
Application April 1, 1935, Serial No. 13,994
12 Claims. (Cl. 72—68)

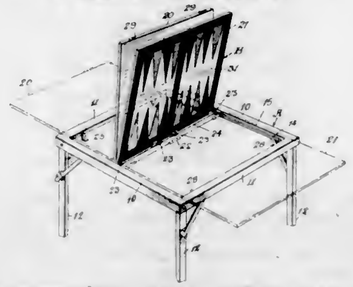


10. In a load-bearing structure the combination of a plurality of blocks adapted to sustain load in compression having load-bearing engagement with each other through substantially planar surfaces presented by adjacent blocks in load-bearing contact, and longitudinally disposed tension means extending transversely of said contacting surfaces and secured to blocks longitudinally spaced in said structure and positioned in the region of tension of said structure and holding adjacent blocks in load-bearing contact on said contacting surfaces.

2,102,448
PROCESS OF PREPARING ALUMINUM ALLOYS
Henry L. Whitman, Los Angeles, Calif.
No Drawing. **Original application August 26, 1936, Serial No. 98,076. Divided and this application March 13, 1937, Serial No. 130,677**
1 Claim. (Cl. 75—140)

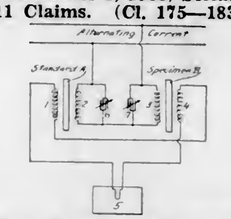
The process of preparing an aluminum alloy consisting in melting together 5.31% of copper, .88% of nickel, 1.66% of manganese; adding this when thoroughly melted to 88.23% of aluminum fused in a separate crucible, then adding to this melted mass 2.65% of tin, .88% of magnesium, stirring the same thoroughly and while in a thoroughly fluid and melted condition finally adding .39% of silver, making up the total 100%, stirring and mixing thoroughly.

2,102,449
COMBINATION TABLE
Leo Zimmerman, New York, N. Y.
Application January 21, 1937, Serial No. 121,454
4 Claims. (Cl. 311—67)



1. A combination table, including an open frame, a reversible top comprising two leaves hingedly connected, each leaf of a size to fit within the frame, a cross rod secured to one leaf adjacent its hinged end, and slotted rails secured to the inner faces of opposite sides of the frame and receiving the ends of the rod, said rails extending throughout the length of the inner faces of the sides of the frame and permitting the rod to move in the slots so as to position the hinged ends of the leaves at either end of the frame to reverse the top in the frame.

2,102,450
MAGNETIC ANALYSIS
Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application November 1, 1933, Serial No. 696,220
11 Claims. (Cl. 175—183)

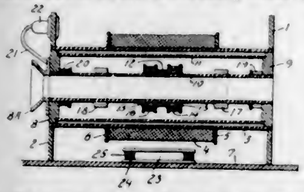


1. A method of testing a magnetizable body which comprises, simultaneously establishing a magnetic flux in a standard of known magnetism affecting properties and in said body respectively by means of alternating current exciter coils placed in inductive relationship to said standard and said body respectively, emphasizing the difference in the two fluxes set up by tuning the exciter coils to a harmonic of the exciter current, and producing for inspection a representation of the instantaneous value variations of a cycle unit of a secondary current produced by the emphasized difference in said magnetic fluxes due to a difference in a magnetism affecting property of said standard and said body.

2,102,451
MAGNETIC ANALYSIS
Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, a corporation of New York
Application April 23, 1936, Serial No. 75,943
7 Claims. (Cl. 175—183)

1. In a magnetic analysis apparatus the combination which comprises an exciter coil disposable in inductive relationship with a magnetizable

body, a source of alternating current for energizing the exciter coil, one or more secondary coils disposed in inductive relationship with the exciter coil, means for indicating an electrical potential induced in the secondary coils, and met-



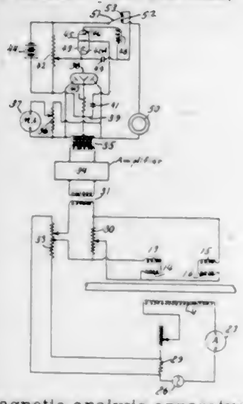
al rings disposed co-axially at both ends of the exciter coil to reduce the potential change in the secondary coil when a magnetizable body is removed from inductive relationship with the exciter coil.

2,102,452

DETECTION OF FLAWS IN MAGNETIZABLE BODIES

Theodor Zuschlag, West Englewood, N. J., assignor to Magnetic Analysis Corporation, a corporation of New York

Application April 23, 1936, Serial No. 75,944
9 Claims. (Cl. 175—183)



1. In a magnetic analysis apparatus the combination which comprises an exciter coil, means for supplying alternating current to the exciter coil, two pairs of secondary coils disposed in inductive relationship with the exciter coil, one coil of each pair being disposed closer to the exciter coil than the other coil of the pair, a bridge network in which the coils of each pair are connected in series opposition with each other and the pairs are also connected in series opposition with each other, and means for detecting the presence of a potential in said network.

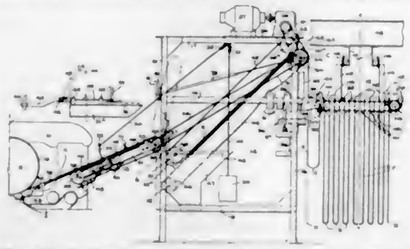
2,102,453

AUTOMATIC STOCK TAKE-OFF MACHINE

Winthrop W. Benner, Ithan, and Frederick Leopold, Jr., Harmonville, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York

Application May 28, 1935, Serial No. 23,862
10 Claims. (Cl. 271—2.2)

1. In an apparatus of the character described, in combination, a conveying mechanism arranged to continuously convey a relatively long strip of stock to a predeterminedly located point of discharge, a stock receiving unit shiftable laterally to either side of the path of movement of the strip of stock, means for locking said unit in position to receive the strip of stock discharged from the conveying mechanism, and means operative automatically to shift successive portions



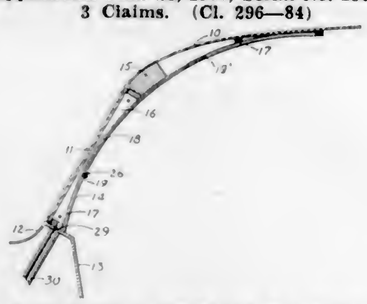
of the stock discharged from the conveying mechanism to and upon the said stock receiving unit, said last-mentioned means being operative to arrange the successive portions of the stock so shifted upon the receiving unit therefor in the form of a series of longitudinally spaced similarly formed looped sections.

2,102,454

CLEAR-VISION ANTIGLARE WINDSHIELD

William Bennett, Westbury, N. Y.

Application June 25, 1937, Serial No. 150,255
3 Claims. (Cl. 296—84)



1. A clear-vision windshield for automobiles and the like comprising, a fixed, flat, transparent sheet of "Safety" glass, a transparent, concave, tinted member spaced from and aligned with said glass, tracks curved to correspond to the arc formed by the concave member and wherein said member is adapted to be slid out of alignment with the glass, air-heating means, means for conducting and delivering heated air to the space between the glass and transparent member, and means for releasing said transparent member from said tracks.

2,102,455

CAR ROOF

Charles David Bonsall, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a corporation of Pennsylvania

Application March 14, 1936, Serial No. 68,939
7 Claims. (Cl. 108—5.4)

1. In a car roof, a seam construction comprising a carline having a hollow longitudinal rib, roof sheets below said carline and provided along their adjacent margins with flanges that extend into said rib, and a weld of added metal located against the inside top surface of said rib above the general surface of the sheets and securing

said flanges to said rib whereby said weld metal increases the capacity of the seam construction



for resisting compression stress due to vertical load.

2,102,456

TREATMENT OF RUBBER ARTICLES

Abraham K. Brill and Walter A. Wake, Youngstown, Ohio, assignors to The Republic Rubber Company, Youngstown, Ohio, a corporation of Ohio

No Drawing. Application August 17, 1935, Serial No. 36,753
7 Claims. (Cl. 260—1)

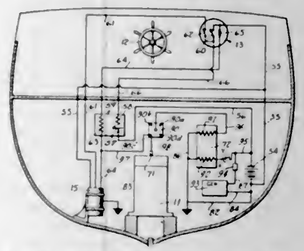
1. A method for surface-conditioning an article formed at least partially of rubber which consists in subjecting the rubber surface of the article to the action of a solution containing nitric acid for a length of time sufficient to form a hard polishable skin thereon.

2,102,457

GAS DETECTING APPARATUS

Raymond Alfred Gandy, Stamford, Conn.

Application January 15, 1935, Serial No. 1,975
8 Claims. (Cl. 177—311)



1. In a gas detecting apparatus, in combination, an explosion chamber, a circuit including a source of current, an indicator connected to the circuit, igniting means positioned within the explosion chamber and connected to the circuit, switch means for closing the circuit to supply current to said igniting means and said indicator, and a second switch means connected in parallel with said first switch responsive to the occurrence of an explosion within the explosion chamber whereby the circuit will remain closed after the opening of said first named switch if an explosion has occurred.

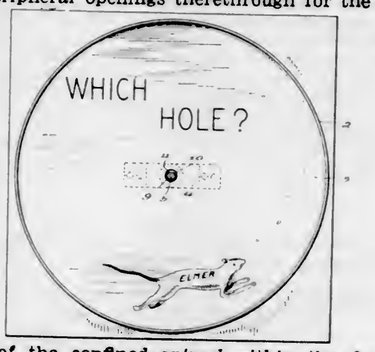
2,102,458

AMUSEMENT DEVICE

Carter Gibson, San Angelo, Tex.

Application April 13, 1936, Serial No. 74,197
3 Claims. (Cl. 273—143)

1. An amusement device comprising a base having a surface to receive an animal thereon, a bracket attached thereto, a spindle fixed to the bracket and extending upwardly therefrom, a sleeve journaled on the spindle, a drum having a top fixed to the upper end of the sleeve, said drum being adapted to confine the animal between the top and base, means connected with the spindle for detachably holding the sleeve in place on the spindle, said drum having a plurality of peripheral openings therethrough for the es-



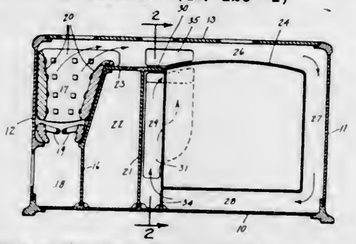
cape of the confined animal within the drum following rotation thereof.

2,102,459

COOK STOVE

William Dow Harvey and Alden P. Chester Kokomo, Ind., assignors to Globe American Corporation, Kokomo, Ind., a corporation

Application February 27, 1936, Serial No. 65,993
2 Claims. (Cl. 126—1)



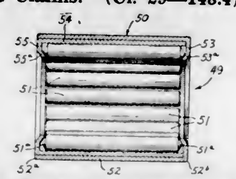
1. In a cook stove, the combination of a firebox, an oven, a warming chamber between the firebox and oven, and means spaced from the oven and forming passages conducting products of combustion from the firebox across the top of the oven, thence downwardly along the side of the oven remote from the firebox, thence across the bottom of the oven and thence upwardly along the side of the oven nearest the firebox between the oven and warming chamber.

2,102,460

METHOD OF MAKING ROLLER BEARINGS

Lewis R. Heim, Mount Dora, Fla.

Application July 18, 1934, Serial No. 735,802
16 Claims. (Cl. 29—148.4)



15. The method of making a roller bearing which consists in forming from sheet metal a cylindrical sleeve having at one end thereof an inwardly directed retaining flange with the free edge thereof bent axially of said sleeve and having at the other end thereof a substantially simi-

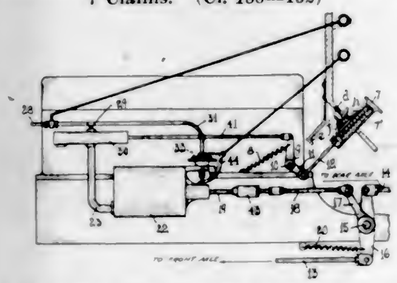
lar flange, placing in contact with a part of said sleeve a plurality of small diameter cylindrical rollers having reduced ends, with one reduced end of each roller disposed within said first-mentioned flange, and subjecting the second-mentioned flange to substantial axial pressure to force said flange into a relative position wherein its free edge overlies the adjacent reduced end of each of said rollers and contacts with said reduced ends, whereby to hold said rollers and sleeve as a unit.

2,102,461

BRAKE CONTROLLING APPLIANCE

Bernard E. Howell and Walter S. McKnight, Council Bluffs, Iowa

Application July 29, 1935, Serial No. 33,700
7 Claims. (Cl. 188—152)



1. In brake rod appliances for a motor vehicle, said motor having an intake manifold and a control-valve for fuel, resilient means normally maintaining the brake rods in inoperative position, a spring controlled bell-crank provided centrally with an operating-shaft, a link connected with the control-valve and having a connection with the operating-shaft, a valve housing, a suction-control valve in the valve housing having a rod mounted on the bell-crank, a brake-cylinder having a suction pipe communicating with the intake manifold subject to the control of the suction-control valve, a piston in the brake-cylinder having a rod connected with the brake rods, a vacuum chamber having a suction pipe in communication with the intake manifold, a spring-controlled piston in said chamber having a rod secured thereto, a latch-pin pivoted to said rod and normally engaging the rod of the first named piston, and a treadle connected and movable in one direction for moving the bell-crank to cause opening of the fuel control valve and to permit a movement of said spring-controlled piston to cause disengagement of the latch-pin from the piston rod of said first named piston, said treadle being movable in a reverse direction for actuating the bell-crank and suction-control valve to permit actuation of the piston in the brake cylinder, by force of suction, for moving the brake rods to operative position, the fuel control-valve moving to closed position.

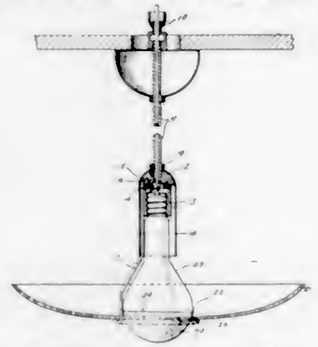
2,102,462

HANGER

Theodore L. Howell, New York, N. Y., assignor to Kurt Versen, New York, N. Y.

Application July 25, 1932, Serial No. 624,372
7 Claims. (Cl. 240—78)

1. A lighting fixture comprising a tubular supporting shaft adapted to carry electrical conductors, a supporting block secured to the bottom of said shaft provided with vertical holes in its top and radical grooves leading therefrom down the sides at spaced points about said shaft for reception of suspension wires, a lamp socket secured to the bottom of said supporting block, a lamp mounted in said lamp socket having the portion of the glass thereof below the level of the filament silvered to provide a spherical reflector, a plurality of suspension wires each having its ends turned back to a U shape, the upper ends being inserted in the spaced holes of the supporting block and the lower ends lying close to the bulb of said lamp slightly below the upper border of the silvered portion, a ring held in the bottom U's of said wires, a light-permeable bowl supported on said ring and having a central



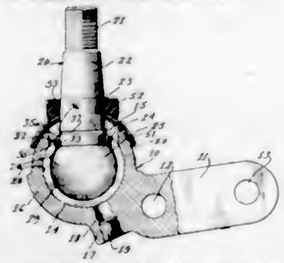
opening approximately the size of the central opening in said ring adapted to permit the lamp bulb and the suspension wires to project therethrough, whereby the silvered portion of the bulb forms a visible part of the fixture when viewed from below, said bowl being shaped to follow approximately the photometric curve of the lamp, whereby the bowl will be uniformly illuminated, but will intercept only a very small proportion of the light from the lamp, a husk slidable on said shaft adapted to fit over the supporting block and lamp socket so as to hold the suspension wires, the holes and grooves of the supporting block, and a fastening means adapted to secure said husk in position upon said shaft.

2,102,463

BALL JOINT FOR FRONT WHEEL SUSPENSIONS

George H. Hufferd, Detroit, Mich., assignor to Thompson Products Incorporated, Cleveland, Ohio, a corporation of Ohio

Application October 19, 1936, Serial No. 106,341
8 Claims. (Cl. 287—90)



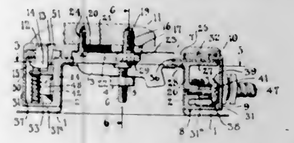
1. A joint comprising a housing having a cylindrical bore therein, a pair of complementary seating elements rotatable in said bore and having inner bearing surfaces therein, an integral headed stud member having the integral head thereof seated on the inner bearing surfaces of the seating elements in tiltable and rotatable relation therewith and means associated with said stud to transmit tilting movements thereof in planes at right angles to the axis of the bore to the seating elements.

2,102,464

CLOSURE CAP LOCK

Clarence M. Hurd, Huntington, N. Y.

Application April 21, 1936, Serial No. 75,519
12 Claims. (Cl. 292—144)



1. A closure cap construction for the filler neck of a gasoline tank comprising a housing member adapted to be secured to said filler neck, a lid hinged to the housing member and adapted to close the opening in said filler neck, slidable means mounted on said lid for engaging with said housing member when the lid is in a closed position, locking means positioned within said housing for normally holding said engaging means of the lid in locked relation to said housing member when said lid is closed, and electromagnetic means within said housing for effecting the release of said locking means from its locking position with respect to said slidable engaging means of the lid upon the closing of an electrical circuit.

2,102,465

LAMP SOCKET

Gustaf A. Johnson, New Bedford, Mass.

Application November 17, 1933, Serial No. 698,462
12 Claims. (Cl. 173—355)



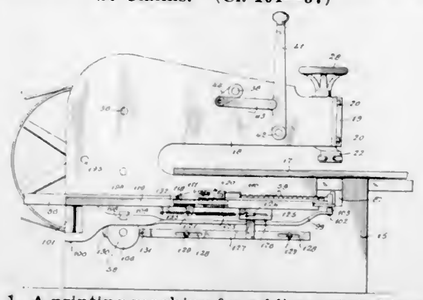
1. In a lamp socket, the combination of an insulating body recessed in its top face to afford space for knotting lead wires and in its bottom face to form a switch chamber, a slotted opening connecting said two recesses, said opening having an interior shoulder at each end adjacent said first recess, a pair of fixed contacts mounted in said switch chamber, a U-shaped rocker member pivotally mounted on said interior shoulders and having arms extending into said switch chamber, said arms being resilient permitting them to move inwardly toward each other when said rocker member is thrown between said fixed contacts, an operating member and an actuating spring intermediate said rocker member and said operating member for rocking said rocker member to turn said resilient arms into or out of sliding engagement between said fixed contacts whenever said operating member is actuated.

2,102,466

PRINTING MACHINE

Harry L. Latz, New York, N. Y., and Stephen H. Plum, 2d, Madison, N. J., assignors to Harry Latz Service Inc., New York, N. Y., a corporation of New York

Application January 4, 1936, Serial No. 57,464
20 Claims. (Cl. 101—57)



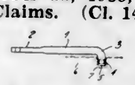
1. A printing machine for adding printed items to previously printed matter comprising a support for a plurality of slugs each provided with type constituting the item to be added to said previously printed matter, printing mechanism having a linearly movable printing member normally in receiving relation to said support, means for shifting said slugs successively to a position on said support for delivery to said printing member, means for intermittently transferring said slugs in sequence from said support to said printing member for movement therewith and for removing each next previous slug therefrom, and mechanism for operating said printing mechanism in the intervals between the transferring and removal of successive slugs to and from said printing member.

2,102,467

MANUFACTURE OF KEYS FOR PRESERVE CANS

Erik Ljungström, Stockholm, Sweden, assignor to Aktiebolaget Transitoria, Stockholm, Sweden, a corporation of Sweden

Application October 22, 1935, Serial No. 46,090
18 Claims. (Cl. 140—1)



1. A method of manufacturing tearing members or keys for preserve cans from a metal string, which comprises stepwisely feeding the string through predetermined equal lengths while subjecting each of said lengths to the following operations in the order named: cleaving an end portion of the string length in its longitudinal direction to form two shanks while shaping the remaining portion of the string length to adapt same for fixation to the can, bending said shanks outwardly in opposite directions to form gripping hooks, and severing the string length thus treated from the following string.

2,102,468

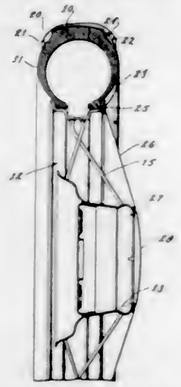
COMBINATION TIRE COVER AND HUB GUARD

George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware

Application January 2, 1932, Serial No. 584,561
4 Claims. (Cl. 150—54)

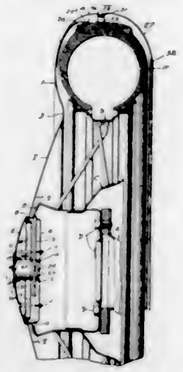
1. As an article of manufacture, a side plate part for use in a multi-part tire cover including

a convexly curved ring-like portion for disposition over the outer side wall of a spare tire and an inwardly extending and outwardly slanting disc-like portion for covering the spokes of the



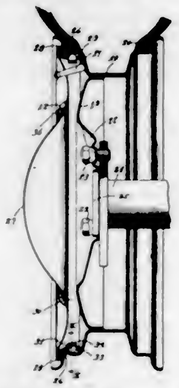
wheel carrying the tire to which the cover is applied, said disc-like portion having a central opening defined by a marginal turned edge formed to engage under a wheel hub cap.

2,102,469
TIRE COVER
George Albert Lyon, Detroit, Mich., assignor to Lyon Incorporated, Detroit, Mich., a corporation of Delaware
Application August 21, 1933, Serial No. 686,027
4 Claims. (Cl. 150—54)



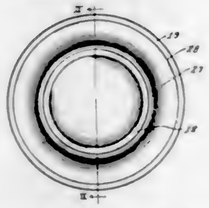
1. In a spare wheel and tire cover assembly: a drum-like member shaped to substantially conform to the outer side of the spare wheel and spare tire carried thereby and to be shoved axially into cooperative relation thereto, resilient means carried by said member and engageable with the tread of the tire to yieldably support the member from the tire, said means being provided at a plurality of spaced points at the outer periphery of the member to hold the member in substantially coaxial relation to the tire, and locking means arranged substantially centrally of said member and formed to interlock with the wheel hub to prevent unauthorized removal of the cover, said resilient means serving to center said locking means with the hub to enable said locking means to readily interlock with said hub.

2,102,470
ORNAMENTAL RING FOR DISK WHEELS
George Albert Lyon, Detroit, Mich.
Application September 20, 1934, Serial No. 744,758
7 Claims. (Cl. 41—10)



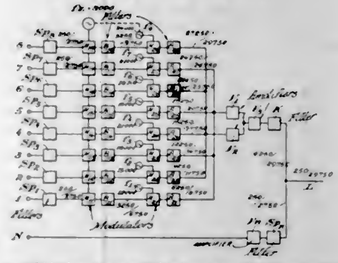
1. In combination in a vehicle wheel, a front shell, an outwardly smooth surfaced tire rim on said shell, spaced lugs projecting from said shell adjacent the jointure between the shell and rim, and an ornamental band having underturned means disposed at an angle to the outer portion of the band and designed for engagement with said lugs, said band being compressible to vary the angle between the outer portion thereof and said underturned means to cause complete engagement between said underturned means and said lugs, and said band being shaped to extend outwardly adjacent the rim and conceal said jointure.

2,102,471
VEHICLE WHEEL AND COVER PLATE
George Albert Lyon, Allenhurst, N. J.
Original application September 20, 1934, Serial No. 744,758. Divided and this application September 9, 1935, Serial No. 39,709
4 Claims. (Cl. 301—37)



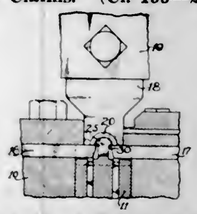
1. In combination, a vehicle wheel, and an ornamental disc of a size to cover the major portion of the side face of the wheel inside the tire rim and carrying retaining means for snap-on engagement with a part of the wheel adjacent the outer periphery thereof, said retaining means cooperating with means on the rim to prevent relative rotation therebetween and eliminate sidewise pressure against a tire valve stem member.

2,102,472
MULTICHANNEL CARRIER TRANSMISSION SYSTEM
Hans Mayer, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application December 12, 1933, Serial No. 701,963
In Germany December 22, 1932
9 Claims. (Cl. 179—15)



1. A multiple transmission system comprising a circuit having a plurality of transmission branches, means for supplying to each of said branches, carrier currents of the same intermediate frequency, means for supplying to each of said branches, branch carrier currents the frequencies of which are different from said intermediate frequency but are entire multiples of said intermediate frequency, and means for passing through said branches, transmission currents in frequency bands each of which is narrower than the interval between two successive entire multiples of said intermediate frequency.

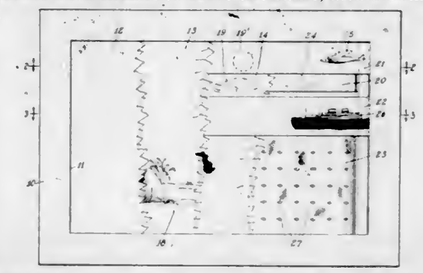
2,102,473
METHOD OF MAKING RETAINER LOCKS
Eugene A. McBride, Cleveland, Ohio, assignor to Thompson Products, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application October 8, 1936, Serial No. 104,619
2 Claims. (Cl. 153—2)



1. In the method of making valve spring retainer locks from a metal strip, the steps which comprise severing a blank from said strip of a length slightly greater than the length of a finished lock, forming said blank to the shape of a finished lock between forming dies and severing opposite edges of said blank while supported between said dies to produce a lock of the desired finished dimensions.

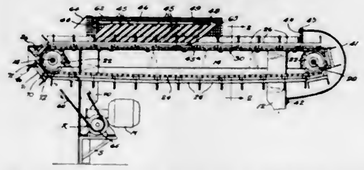
2,102,474
ANIMATED LUMINOUS DISPLAY DEVICE
Vincent McKenna, Walter McKenna, and Sydney Rouss, New York, N. Y., assignors to McKenna Glo-Life Corporation, New York, N. Y., a corporation of New York
Application June 26, 1937, Serial No. 150,430
9 Claims. (Cl. 40—132)

8. An illuminated device, comprising a housing having an opening and a translucent screen closing the same, a transparency located behind said screen and bearing display matter, a travelling band of foraminous material provided with light apertures and located behind the screen, together with means to drive the same, and a source



of light within the housing behind said transparency and band, rays therefrom passing through the band and its apertures onto the screen to cooperate with the matter of said transparency projected upon said screen by further rays of said light.

2,102,475
SLICING MACHINE
Willard C. McNitt, Winnetka, Ill.
Application December 6, 1934, Serial No. 756,195
Renewed May 10, 1937
5 Claims. (Cl. 146—163)

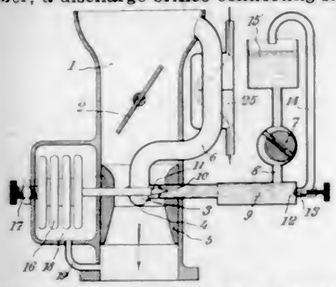


3. A conveyor comprising an endless chain, a plurality of rectangularly spaced open topped containers mounted upon separated links thereof, each of said containers comprising flat spacers and flat finger members assembled together in alternate relation, each of said finger members comprising a base portion with upstanding fingers at each end thereof forming horizontal bottom and vertical front and rear wall portions of the container, flat plates at each end of the assembly forming end closures for the container and a pair of bolts upon which the end plates, flat spacers and base portions of the finger members are threaded and clamp together in contacting relation.

2,102,476
FLOATLESS CARBURETOR
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to "Société Anonyme Solex" Neuilly-sur-Seine, France, a society of France
Application December 28, 1936, Serial No. 117,953
In France January 3, 1936
14 Claims. (Cl. 123—119)

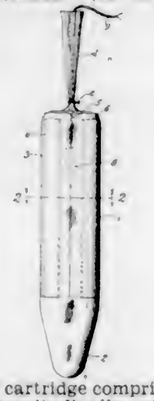
1. A floatless carbureting system for an internal combustion engine comprising a suction pipe, a throttling member in said suction pipe, a fuel-air mixing chamber communicating with said suction pipe through a passage having a small effective area, air inlet means having a large effective area and communicating with said mixing chamber, a fuel reservoir, a feed chamber communicating with said mixing chamber, a rotary pump connected to said reservoir and driven

by said engine for delivering fuel to said feed chamber, a discharge orifice connecting said feed



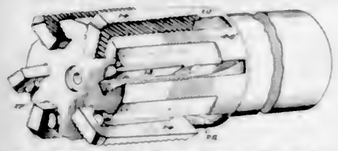
and mixing chambers, and conduit means connecting said feed chamber to said fuel reservoir.

2,102,477
BLASTING CARTRIDGE
George A. Merchant, Chicago, and Roland Milan, Pinckneyville, Ill., assignors to Binkley Coal Company, Chicago, Ill., a corporation of Illinois
Application April 8, 1935, Serial No. 15,198
12 Claims. (Cl. 102—6)



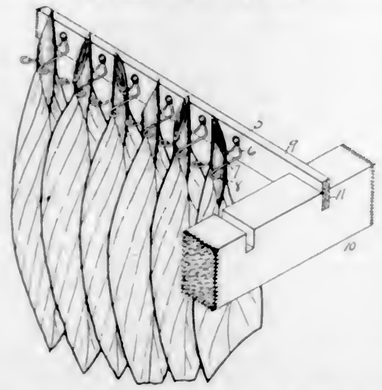
1. A blasting cartridge comprising, a fabric bag, a plurality of longitudinally extending peripherally disposed and spaced reinforcing members contained therein, the combined width of which is materially less than the peripheral length of the bag, a carbonaceous filler for the bag, the filler and the reinforcing members being both impregnated with liquid oxygen.

2,102,478
CUTTING TOOL
Frank P. Miller, Meadville, Pa.
Application May 17, 1934, Serial No. 726,145
6 Claims. (Cl. 29—105)



1. In an inserted blade cutter, a body having a slot provided with parallel side walls, a blade in said slot and having a cutting end portion, said blade being formed with means cooperating with said side walls in defining an adjusting angle at an acute angle to the longitudinal axis of the blade, said blade being diminished in wall thickness from the outer forward portion thereof to the inner rear portion thereof on a line parallel to the said adjusting angle and means for locking said blade in adjusted position.

2,102,479
TOBACCO HANGER
Albert Newfield, Hartford, Conn.
Application December 16, 1935, Serial No. 54,681
1 Claim. (Cl. 131—21)



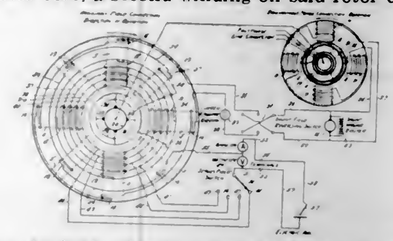
A tobacco hanger formed from a piece of wire doubled at substantially its lengthwise center and thereat shaped into a substantially closed eye constituting a firm seat extending substantially fully around the under side of the head of a screw, branches extending straight from said eye in the plane thereof in divergent directions to properly space spring arms and constituting with said eye a flat base, and spring arms extending straight from the ends of said branches at substantially right angles thereto in substantially parallel relation to receive the stems of tobacco leaves.

2,102,480
ROAD COVERING
Hans Peter Karl Theodor Nielsen, Aabyhøj, Denmark, assignor to De jydake Skaervefabriker, Aarhus, Denmark
No Drawing. Application May 31, 1935, Serial No. 24,424. In Denmark November 14, 1934
4 Claims. (Cl. 106—31)

1. A process for the manufacture of a covering composition adapted to be deposited in cold state as a covering for roads and floors, comprising mixing a stone material with dry humin substances and with a bituminous binding agent, the melting-point of which measured by the ball and ring method lies below 40° C.

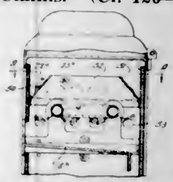
2,102,481
DYNAMO MOTOR
Clay W. Noel, Mansfield, Ohio, assignor to The Ideal Electric and Manufacturing Company, Mansfield, Ohio, a corporation of Ohio
Application September 26, 1934, Serial No. 745,636
14 Claims. (Cl. 171—123)

1. A combined dynamo and synchronous motor to supply current to a current consuming load comprising a stator, a set of pole pieces and an exciting winding for the synchronous motor carried by said stator, a magnetically independent set of pole pieces carried by said stator adapted to provide a dynamo exciting field, a rotor, independent motor and dynamo cores carried by said rotor, an alternating current fed winding on said motor core, a second winding on said rotor com-



mon to both of said cores, said second rotor winding being conductively insulated from said other rotor winding but inductively coupled thereto, a plurality of tapped windings associated with the dynamo exciting field pole pieces, and means for serially connecting said tapped windings with said second core winding and the current consuming load.

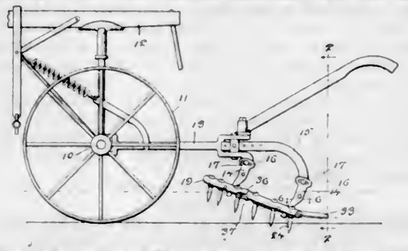
2,102,482
BURNER MECHANISM FOR GASEOUS FUEL STOVES
Claude E. Parker, Chicago, Ill., assignor to Skoop-A Corporation, Chicago, Ill., a corporation of Illinois
Application August 7, 1936, Serial No. 94,825
8 Claims. (Cl. 126—41)



1. In a gaseous fuel cook stove, a closed lower combustion chamber having upright side walls and a top wall, an outlet in said top wall spaced inwardly from opposite side walls, a food support in said chamber arranged generally horizontally in downwardly spaced relation to said top wall, an inlet for admitting secondary air to said chamber, a burner overlying said food support and adapted to apply heat downwardly toward the support, an upper combustion chamber communicating downwardly with the lower chamber through said outlet and having a top plate disposed horizontally a short distance above said outlet from the lower chamber, and an outlet from said upper chamber disposed laterally of the outlet from the lower chamber, one of said outlets being of restricted capacity to effect the retention in said lower chamber of a slowly rising body of highly heated gases radiating heat downwardly toward said food support.

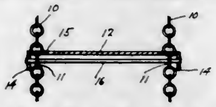
2,102,483
CULTIVATOR
Fred F. Powell, La Valle, Mo.
Application January 26, 1937, Serial No. 122,458
3 Claims. (Cl. 97—179)

1. A cultivator attachment including the combination with the shanks of a cultivator, of brackets secured at the upper ends to the shanks for adjustment in an arc downwardly from the shanks, said brackets being bifurcated, a tooth bearing bar, bolts passed through the bar and



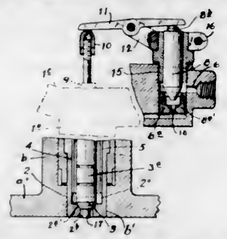
adjustably secured between the branches of the brackets whereby the bar may be elevated at either end from the horizontal, and a blade carried by the bar and disposed in rear of the bar.

2,102,484
EMERGENCY FIRE ESCAPE
Arnold C. Rapp, Covington, Va.
Application March 27, 1936, Serial No. 71,218
2 Claims. (Cl. 228—40)



2. A portable collapsible fire escape comprising hanger chains including open links, and a plurality of steps, each step being provided with depending flanges and connecting rods, passing through the flanges and the link to join the chains to the steps, said flanges supporting the plates in spaced relation when the plates are in a stacked collapsed position to enclose the chain and rods between the plates.

2,102,485
FUEL INJECTION MEANS FOR MOTORS
Olaf Leonhard Augustinus Riegels, Cleveland, Ohio
Application April 26, 1935, Serial No. 18,395
5 Claims. (Cl. 123—32)



1. A fuel injection apparatus for internal combustion engines, which includes a source of fuel supply under high pressure, a normally closed spring-controlled injection means comprising a valve seat having a discharge opening of predetermined size governed by the desired discharges into the engine cylinder, and a movable element co-operating with such valve seat, a by-pass means for periodically by-passing fuel to said source of supply and comprising a valve seat having a discharge opening and a movable valve element cooperating with said seat, the related surfaces of said last mentioned valve seat and valve element serving gradually to open or close the discharge opening through the valve seat during the movement of said valve element, the

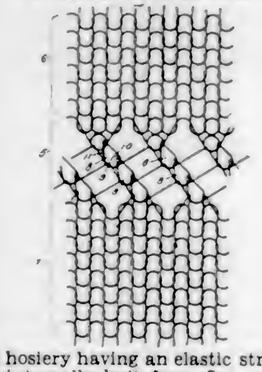
discharge opening through said last mentioned valve seat being smaller than the discharge opening through said injection means valve seat and said openings being proportioned to the relative pressures respectively beyond the same, the higher pressure being beyond the injection valve where it discharges into the engine cylinder, and means for operating said movable valve elements for effecting the opening of one valve simultaneously with the closing of the other, said means being co-ordinated with the relative sizes of said discharge openings to insure equal volumetric flow through said openings.

2,102,486

HOSIERY WITH STRAIN ABSORBING ZONE REINFORCED AGAINST CURLING

Richard H. Scheer, New Holland, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania

Application December 24, 1936, Serial No. 117,591
5 Claims. (Cl. 66—172)



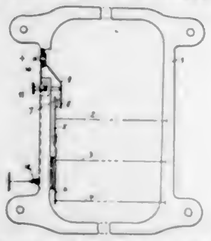
2. Knit hosiery having an elastic strain absorbing zone integrally knit from fine gage covered rubber elastic yarn, of such width as to have an inherent tendency to objectionable curling, the elastic rubber fabric in said zone being formed with thickened portions resisting the tendency to curl comprising short bars extending transversely with respect to the width of said zone and arranged in a band spaced from the top and bottom edges of said zone extending circumferentially of said zone.

2,102,487

DEFROSTING SCREEN

Alfred Schwarz, Eisenach, Marienhohe, Germany; Sophie Schwarz, née Kuhlhoff, sole heir of said Alfred Schwarz, deceased, assignor to Metallwerk Alfred Schwarz, G. m. b. H., of Germany

Application September 27, 1935, Serial No. 42,541
In Germany December 30, 1933
3 Claims. (Cl. 219—19)



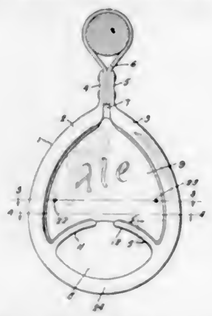
1. A defrosting device for windshields and the like, including a wire designed to be energized for the development of heat, and a switch controlling the energization of said heating wire, said switch being opened and closed by the variations in the length of the wire incident to a heated or non-heated condition thereof.

2,102,488

ADVERTISING STRAP HANGER

Abel Garcia Sirera, New York, N. Y.

Application May 11, 1937, Serial No. 142,015
6 Claims. (Cl. 105—354)



1. Advertising strap hanger comprising a frame formed as a loop having its free ends confronting, in slightly spaced relation, to receive the suspending element to which it is adapted to be secured, the sides of said frame having sufficient resiliency to permit said free ends to be slightly warped to spread or contract the space between said ends to fit suspending means of different thickness, the lower part of the space within said frame providing room for the hand when gripping said frame, a plate for advertising matter fitting the upper part of said frame with some small clearance toward the top, said frame being formed with slotted lugs extending into said space with the slots elongated in the general direction of the movement of the sides of said frame when warped, and fastening means passing through said plate and lugs permitting freedom of movement between said plate and the sides of said frame, so that the frame can be clamped together upon the suspending means without impediment from said plate.

2,102,489

SELF-LOCKING NUT AND METHOD OF MAKING THE SAME

Oliver Edwin Simmonds, London, England, assignor to Simmonds Development Corporation Limited, London, England

Application March 23, 1936, Serial No. 70,497
In Great Britain April 16, 1935
9 Claims. (Cl. 10—86)



1. The method of making a self-locking screw-threaded nut, which comprises forming in the nut a recess the walls of which form a complete figure of revolution, forming in the axially-extending wall of the said recess an inwardly-extending projection, and forcing within said recess in axial alignment an elastic inset which has a peripheral surface that forms a complete figure of revolution and which has a hole therein of less diameter than the maximum interior diameter of the screw-threaded portion of the nut.

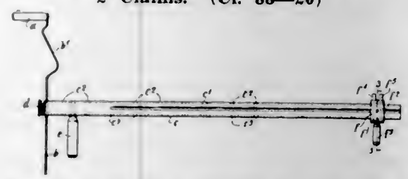
9. A self-locking nut having a screw-threaded bore, a recess the walls of which form a complete figure of revolution, an elastic inset that is housed within said recess, that has a peripheral surface forming a complete figure of revolution and that has a hole therein in axial alignment with the said bore and of less diameter than the maximum interior diameter of said bore, and a projecting part on the base wall of said recess interlocked directly into said inset to prevent relative movement between the said inset and nut.

2,102,490

MEANS FOR INVESTIGATING, CORRECTING, AND DEVELOPING THE POWER OF HUMAN VISION

Robert Brooks Simpkins, Edgbaston, Birmingham, England

Application September 4, 1934, Serial No. 742,678
In Great Britain September 6, 1933
2 Claims. (Cl. 88—20)



1. Apparatus for investigating, correcting and developing the power of human vision, comprising a tube of circular cross-section provided in its outer periphery at diametrically opposite sides with longitudinally extending grooves, positioning means of strip form carried by said tube having vertical and horizontal components conforming in shape to and adapted to fit a part of a patient's face for definitely and accurately locating the tube relatively to the eyes without obstruction of vision, a rod depending from said tube forwardly of said positioning means, and a traversable member on the tube to support a device for detecting an abnormality of vision and onto which patients are encouraged to train the eyes and perform exercises calculated to remedy a detected abnormality, said traversable member having ball bearings adapted to run in the said longitudinal grooves in said tube.

2,102,491

WINDOW CONSTRUCTION

Schley E. Smith, Rock Island, Ill.

Application September 16, 1935, Serial No. 40,803
1 Claim. (Cl. 189—64)



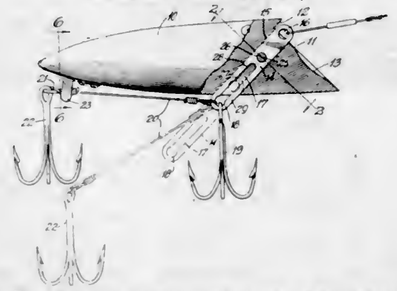
A window construction comprising channel guides, sash frames including vertical and horizontal rungs and having the vertical rungs thereof slidably supported by said guides, cushion friction blocks carried by the vertical rungs and engaging walls of the guides, said vertical rungs having entrances, panel supporting frames abutting the sash frames, and channel guides formed on the panel supporting frames and extending into the entrances of the vertical rungs of the sash frames.

2,102,492

FISH LURE

William A. Stolley, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a corporation of Michigan

Application December 6, 1935, Serial No. 53,180
5 Claims. (Cl. 43—46)



1. In a fish lure, the combination of a body provided with a slot therethrough, a link entered through said slot and configured at its upper end to afford a line tie and configured at its lower end to afford a hook connection, a leader connected to the lower end of the link, a hook connected to the rear end of the leader, a clip on the rear portion of the body adapted to normally engage and hold the leader and hook elevated in contiguous relation to the body and adapted to permit disengagement of the leader and hook to swing free of the body, and a cross pin entered transversely through the link and through the adjacent portion of the body.

2. In a fish lure, the combination of a body, a slot extending through the body, a link slidably entered through said slot and configured at its upper end to afford a line tie and provided in its lower portion with an elongated slot affording a hook connection at its lower end, one of the arms of the slotted portion of the link being disconnected from the body of the link at one end and adapted when the link is withdrawn from the slot in the body to project laterally from the plane of the link to provide for the insertion of a hook and adapted, when the link is normally positioned within the slot in the body, to be held closed within the plane of the link, releasable means for normally holding the link within the slot, and a hook secured to the lower end of the link.

2,102,493

METHOD FOR THE PRODUCTION OF FAN-SHAPED SCREW LOCKS

Adolf Thode, Hamburg-Billbrook, Germany, assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois

Application August 19, 1932, Serial No. 629,428
In Germany April 25, 1932
36 Claims. (Cl. 10—86)

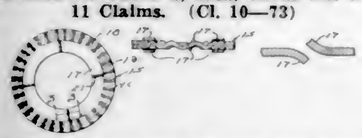


1. A lock washer comprising a flat disc of metal including an inner contracted band, there being a central opening in said disc, and an outer band having radial slits therein whereby to provide flaps, which latter are overlapped at their adjoining edges, said flaps being of the original thickness of the disc.

19. The method of making lock washers which includes the steps of providing a section of stock

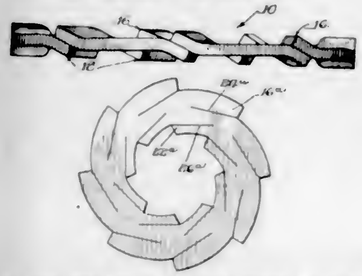
having a plurality of separate adjacent marginal prongs and a continuous portion to which said prongs are joined; and reducing the diameter of said portion to effect an overlapping of adjacent prongs.

2,102,494
LOCK WASHER
James J. Connell, Detroit, Mich., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application November 2, 1932, Serial No. 640,853
11 Claims. (Cl. 10—73)



8. The method of making lock washers of the type for application between parallel work surfaces which includes forming a plurality of radial slits along one margin of an annular washer blank whereby to provide a blank having a plurality of adjacent marginal prongs and a continuous circular portion to which said prongs are attached, warping said prongs so as to provide work engaging teeth thereon on opposite sides of the blank, and transversely working the metal of said continuous portion to effect an overlapping of adjacent prongs, radially contiguous parts of said continuous portion being maintained in parallel planes during the working operation.

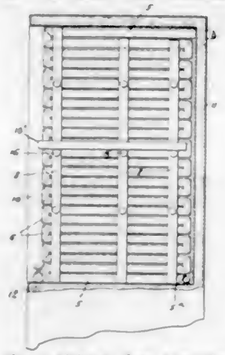
2,102,495
LOCK WASHER
Frank W. England, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application August 8, 1935, Serial No. 35,257
15 Claims. (Cl. 151—35)



6. A lock washer of spring stock including a plurality of inner and outer annularly disposed prongs, certain of said prongs having work engaging edges positioned on one side of the medial plane of the washer and other prongs presenting edges on the opposite side of said medial plane, each prong overlapping a section of washer stock different in shape from said prongs.

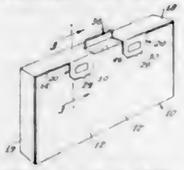
2,102,496
WATER COOLER FOR USE IN REFRIGERATORS
William Floyd Thompson and Russell Whitten, Alton, Ill., assignors of thirty-three and one-third percent to A. W. Tiska and Mary Tiska, Alton, Ill.
Application June 4, 1936, Serial No. 83,560
2 Claims. (Cl. 62—89)

1. In a refrigerator, the combination with a cabinet including a compartment of a water cooling coil therein, said coil comprising a plurality of spaced parallel tubes disposed one above the other and in the same vertical plane, and relatively short vertical tubes connecting the horizontal tubes in alternation at opposite ends of the horizontal tubes to provide for a through circulation of water through the tubes, the uppermost horizontal tube of said coil extending through



the wall of the cabinet for association with a source of water supply, the lowermost horizontal tube of the coil having a part extending through a wall of the cabinet and equipped with a spigot, and a supporting stand for the coil including vertical strips disposed at opposite sides of the horizontal tubes, and spacer strips connecting said vertical strips and arranged in alternate spaces between the horizontal tubes of the coil.

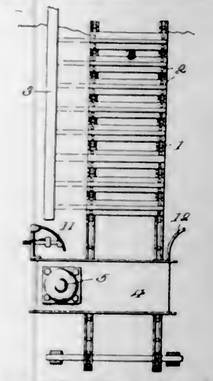
2,102,497
BOX
William Trogman, Chicago, Ill.
Application June 8, 1936, Serial No. 84,083
8 Claims. (Cl. 229—52)



7. A box having a cover with a wall portion adapted to overlie a surface of the box, said surface having a slit formed therein and a handle loop passed outwardly therethrough and having end formations engageable with the inner surface of the box adjacent said slit to limit outward movement of the handle, the aforementioned overlying wall of the cover having latch-tab means engageable with latch formations in a wall of said box adjoining the wall in which the slit is formed, said overlying cover wall further having a tongue-like formation insertible into said slit when the box is closed.

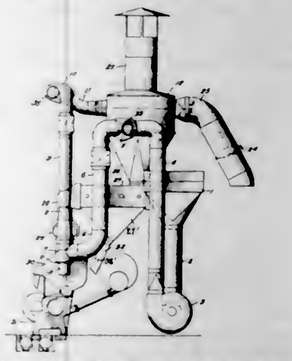
2,102,498
MACHINE FOR SQUARING THE ENDS OF CAKES OF ICE
Migiel J. Uline, Washington, D. C.
Application November 25, 1935, Serial No. 51,527
3 Claims. (Cl. 125—13)

1. In a machine for squaring the ends of cakes of ice, an endless conveyor provided with means for supporting and holding the cakes of ice on edge, said conveyor being arranged at an angle, a bumper arranged to one side of said conveyor, a frame bridging said conveyor, an obliquely arranged cylindrical cutter mounted in said frame



and means for guiding the cake of ice on said conveyor in engagement with said cutter for gnawing off the end of the cake of ice.

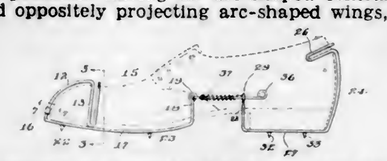
2,102,499
COTTON HANDLING APPARATUS
Jeffrey John Wallace, Amite, La., assignor to Gullett Gin Company, Amite, La.
Application April 28, 1936, Serial No. 76,870
1 Claim. (Cl. 19—72)



Cotton drying and feeding apparatus comprising a cotton cleaner, a cyclone dropper connected to said cleaner and having a wall thereof provided with a screen, a discharge pipe extending from said wall around said screen, a valve in said discharge pipe, a dust box connected to said cleaner, a valve controlled discharge pipe connected to said dust box, means for forcing air under pressure through said dropper and cleaner, means for heating said air, said valves being adjustable to regulate the pressure of the air through said apparatus.

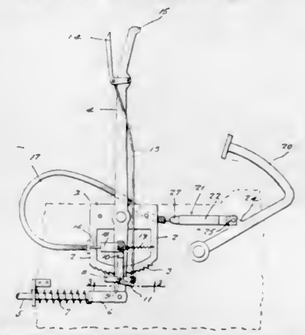
2,102,500
ANTISKID DEVICE FOR SHOES OR THE LIKE
William A. Walthers, Dalton, Wis.
Application March 9, 1937, Serial No. 129,945
7 Claims. (Cl. 36—7.6)

1. An anti-skid device for use with human footwear comprising a toe section and a heel section, means adjustably connecting the sections, the toe section including a substantially T-shaped toe protector having an arc-shaped central leg and oppositely projecting arc-shaped wings, the



extremities of which are adapted to rest against the edges of a shoe sole.

2,102,501
BRAKE RELEASE
Leo F. Wendel, Ellinwood, Kans.
Application June 27, 1936, Serial No. 87,767
3 Claims. (Cl. 192—13)



1. In a brake release for motor vehicles of the type including a clutch pedal, a ratchet, a hand brake lever, and a pawl pivotally mounted on said hand brake lever and engageable with the ratchet for securing said hand brake lever in set position, a releasing lever pivotally mounted on the hand lever, means operatively connecting said releasing lever to the pawl for disengaging said pawl from the ratchet, and means operatively connecting the releasing lever to the clutch pedal for actuation thereby when said clutch pedal is depressed.

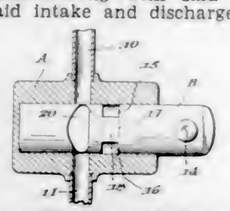
2,102,502
MAKING RIMMED STEEL
Rufus E. Zimmerman, Short Hills, N. J., and Clarence D. King, Brooklyn, N. Y.
No Drawing. Application January 8, 1937, Serial No. 119,630
3 Claims. (Cl. 75—53)

1. The method of making rimmed steel ingots which comprises the addition of about two to three ounces of dehydrated borax per ton of metal to the molten steel while pouring the ingot.

2,102,503
FAUCET
Joe Auger, Elk Lake, Ontario, Canada
Application November 17, 1934, Serial No. 753,518
In Canada December 21, 1933
7 Claims. (Cl. 251—104)

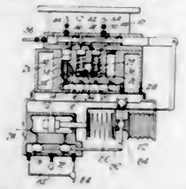
1. A faucet comprising a casing, hot and cold liquid conduits communicating with the casing, a valve plug rotatably mounted within the casing, said plug having opposed passageways formed therein opening on the surface of the plug in enlarged intake ducts in a plane registering with the liquid conduits, said plug including opposed

passageways terminating in enlarged discharge ducts opening on the surface of the plug in a plane registering with the said spout and commonly communicating with said passageways whereby said intake and discharge ducts may



communicate with the conduits and discharge spout to discharge hot or cold liquid or a mixture of both first in full flow from one conduit and subsequently in increasing amounts from the other conduit without at first reducing the flow from the first conduit.

2,102,504
MIXTURE CONTROL
Guy E. Beardsley, Jr., Hartford, and Wright A. Parkins, West Hartford, Conn., assignors, by mesne assignments, to United Aircraft Corporation, a corporation of Delaware
Application May 25, 1934, Serial No. 727,508
21 Claims. (Cl. 261—39)

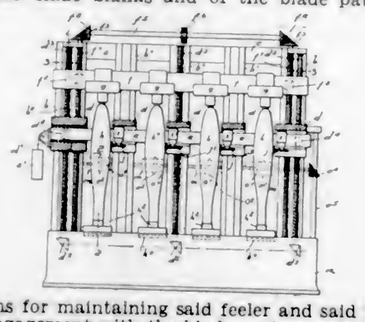


5. In a carburetor, mixture control means, comprising, in combination, means for regulating the flow of fuel, and means for operating said regulating means, said operating means comprising a pressure and temperature responsive device, a fluid pressure operated piston, a resilient connection between said piston and said device, a valve controlling the fluid to operate said piston, a connection between said valve and said device adapted to operate said valve in response to movements of said device, and a connection between said piston and said regulating means.

12. In a carburetor having a fuel nozzle fed by a plurality of fuel jets, means for controlling the quantity of fuel fed to said nozzle by said jets comprising a plurality of independent, fluid pressure operated, jet controlling plungers.

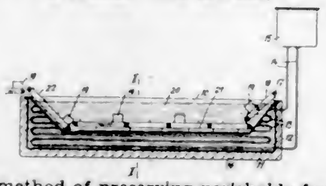
2,102,505
MACHINE FOR THE TOOLING OF METALLIC SCREW PROPELLER BLADES
Charles William Berthiez, Paris, France, assignor to "Compagnie de Fives-Lille", Paris, France, a corporation of France
Application March 26, 1937, Serial No. 133,257
In France April 2, 1936
2 Claims. (Cl. 90—136)

1. A machine for the tooling of metallic screw propeller blades according to a blade serving as a pattern, comprising a blade pattern and a set of blade blanks to be tooled arranged with their axis in a vertical position, means for giving to the blade pattern and to the blade blanks synchronous movements of rotation around their parallel vertical axes, a feeler adapted to engage with the blade pattern to be reproduced, a set of cutting tools adapted to engage with the blade blanks to be tooled, means for displacing the feeler along the blade pattern and means for giving to the tools displacements corresponding to those of the feeler, perpendicular to the axes of rotation of the blade blanks and of the blade pattern,



means for maintaining said feeler and said tools in engagement with the blade pattern and blade blanks respectively, during said displacements, in combination with means for maintaining each of the blade blanks and the blade pattern under axial tension during tooling, and with means for driving each of the blade blanks and the blade pattern at both ends during its movement of rotation.

2,102,506
FREEZING MEDIUM, METHOD OF PRODUCTION AND APPLICATION FOR FREEZING PURPOSES
Frederick Oliver Smith Bland, Hamburg, Germany
Application March 27, 1936, Serial No. 71,328
In Great Britain February 25, 1935
4 Claims. (Cl. 99—192)

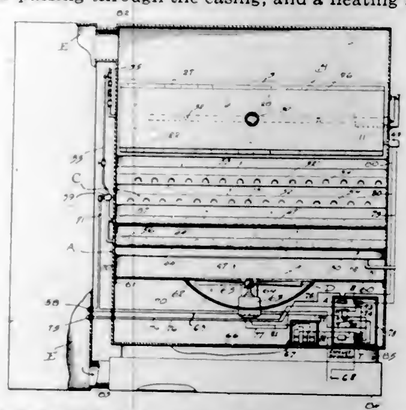


1. A method of preserving perishable foodstuff which consists in immersing said foodstuff directly in a liquid chilling medium, cooled to at least —30° C., consisting of 20 to 40% pure glycerine, 20 to 40% ethyl alcohol and 25 to 45% water, to freeze the said foodstuff rapidly.

2,102,507
AIR CONDITIONING SYSTEM AND APPARATUS
Robert A. Brand, Washington, D. C., assignor of one-half to James A. Perley, Washington, D. C.
Application April 30, 1934, Serial No. 723,251
4 Claims. (Cl. 237—7)

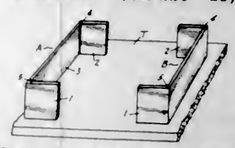
1. An air conditioning apparatus comprising a casing having an inlet and an outlet, blower means within the casing for producing a circulation of air through said casing situated adjacent said inlet, a scrubbing and humidifying apparatus intercepting the path of said air, said apparatus including a series of open-faced water tubes and means for circulating water through the tubes for

surface contact with the air, an eliminator disposed to the rear of the water tubes and in the path of the air leaving said tubes, said eliminator including a plurality of open-faced evaporating and cleaning tubes adapted to be impinged by the air passing through the casing, and a heating ap-



paratus within the casing and to the rear of the eliminator to heat said tubes and the air after it has passed thereover and prior to its discharge through said outlet, and means for effecting intermittent operation of said blower means in accordance with temperature requirements.

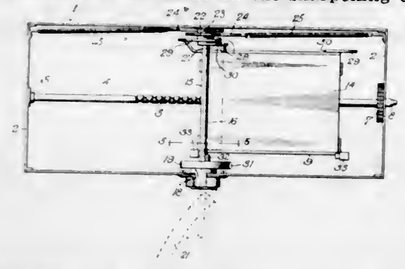
2,102,508
PACKAGE FOR DRY GOODS, AND METHOD AND APPARATUS FOR MAKING THE SAME
Alfred J. Brooks, Jamaica Plain, Mass.,
Application April 29, 1935, Serial No. 18,718
6 Claims. (Cl. 226—18)



1. A method of making a package from a preformed paper tube and two U-shaped blanks, consisting of the steps of placing the blanks on edge on a horizontal surface with their corresponding legs in alinement and extending toward each other and leaving an open space between said legs, inserting the articles to be wrapped within the space between the two blanks, inserting the assembly of blanks and articles within the paper tube and finally sealing the tube.

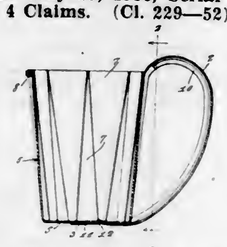
2,102,509
RAZOR BLADE SHARPENER
William A. Campbell, Youngstown, Ohio
Application July 7, 1936, Serial No. 89,439
5 Claims. (Cl. 51—65)

1. A razor sharpener comprising a casing, a carriage slidably mounted in said casing, a continuously rotatable feed shaft journaled in said casing and having double threads reversely arranged to each other thereon, a feed nut carried by the carriage for reciprocating the same, a sharpening element carried by the carriage, a holder journaled to the casing for supporting a blade at a proper angle to the sharpening element, automatic means for rotating the holder in either direction for the purpose of changing the position of the blade to present first one side thereof to the sharpening element and then the other side, said last-named means acting when the carriage reaches substantially the limit of its movement in either direction to bring about a reversing of the blade on the sharpening ele-



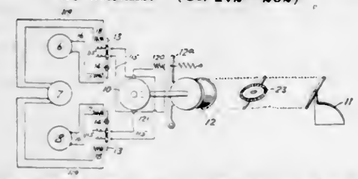
ment when the carriage reaches the limit of its movement in one direction and starts to move in an opposite direction, and stop means carried by the holder and carriage coacting adjacent to the ends of the reciprocatory movements of the carriage for maintaining the blade elevated above the sharpening element during reversing movements of the carriage.

2,102,510
PAPER DRINKING CUP
Walter W. Cecil II, Harrison, Ark.
Application July 29, 1936, Serial No. 93,277
4 Claims. (Cl. 229—52)



1. A paper cup comprising a pleated body, a bottom therefor, a reinforcing bead about the upper end of the body, a handle having one end integral with the body and its opposite end connected to the bottom, and a reinforcing bead about the edge of the handle and merging into the bead of the body.

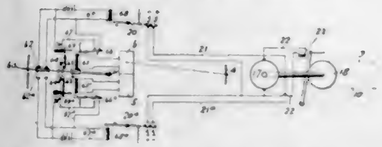
2,102,511
AUTOMATIC STEERING MEANS
Britton Chance, Haverford, Pa.
Application June 21, 1934, Serial No. 731,640
16 Claims. (Cl. 172—282)



5. In steering gear the combination of a source of light, a directionally fixed element axially

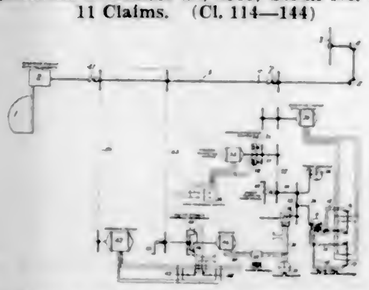
aligned with said light source, and a reflector mounted in the axis of said element and adapted to reflect a beam of light from said source in a direction fixed with the respect to said element.

2,102,512
AUTOMATIC STEERING MEANS
Britton Chance, Mantoloking, N. J.
Application May 4, 1935, Serial No. 19,822
5 Claims. (Cl. 172—282)



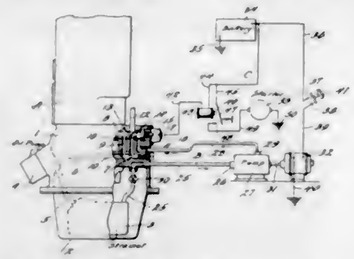
1. Apparatus for controllably actuating an element on a dirigible craft, such as a rudder, comprising means for providing a beam of radiant energy, means responsive to said beam movable relative to the beam in response to deviation of said craft from its course, means controllable by said beam-responsive means for actuating said element, means for maintaining said actuating means operative, follow-back means operable by said actuating means for relatively changing the position of said beam-responsive means and the incidence of the beam thereon to restore the normal relation therebetween, and means immediately responsive to the first restoration of said normal relation for rendering said maintaining means ineffective.

2,102,513
STEERING MEANS
Britton Chance, Mantoloking, N. J.
Application December 24, 1935, Serial No. 55,975
11 Claims. (Cl. 114—144)



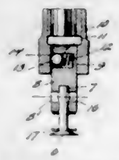
1. Apparatus for steering a dirigible craft having a rudder, comprising means for providing a beam of radiant energy, a plurality of devices selectively responsive to said beam, means for effecting relative movement between said beam and said devices in response to change of the course of said craft, whereby one of said devices is selectively activated, a motor, means controllable by said devices for actuating said motor, means actuated by said motor for effecting follow-back relative movement between said beam and said devices, manually operable mechanism for actuating said rudder, means whereby said motor may be connected at will to said mechanism to actuate said rudder automatically, a second motor, means actuated by said first motor for controlling said second motor, and means whereby said second motor may be connected at will to said mechanism.

2,102,514
AUXILIARY OILING DEVICE
Marion C. Clarkson, Atlanta, Ga.
Application November 21, 1936, Serial No. 112,132
8 Claims. (Cl. 184—6)



1. In combination with an internal combustion engine including a primary and an auxiliary oiling system, of an electrical starter mechanism for the engine, an electro-mechanical pumping mechanism for rendering the auxiliary oiling system operative until a predetermined oil pressure has been attained, an electro-mechanical means controlled by the pressure existing in the primary and auxiliary systems and co-acting with the starter to effect operation of the latter, when said predetermined oil pressure has been reached.

2,102,515
TOOL CARRIER
Robert L. Connell, Rome, Ga.
Application April 20, 1935, Serial No. 17,530
1 Claim. (Cl. 224—5)

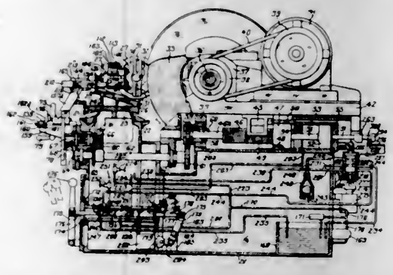


In combination with a belt adapted to be worn by a lineman, said belt being formed with a plurality of longitudinal aligned openings, a rectangular socket plug swivelly mounted at one end in each of said openings and adapted to detachably support a socket wrench at the other end, the first mentioned end of said plug being formed with a longitudinal bore and a transverse opening intersecting said bore, the swivel mounting comprising a shank having a head, said shank adapted to extend through said belt opening and within said longitudinal bore and having an enlargement within said transverse opening of a cross-section such as to prevent its rotation in and displacement from said longitudinal bore.

2,102,516
FLEXIBLE CHEESE COATING
Henri Jan Coster, The Hague, Netherlands, assignor to Special Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 26, 1936, Serial No. 102,699
3 Claims. (Cl. 134—1)

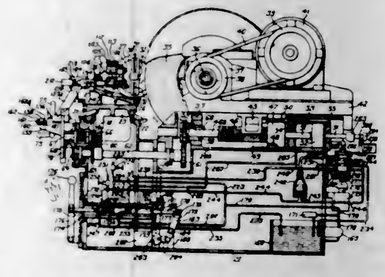
1. A composition of matter particularly adapted for use as a coating for cheese, comprising a uniform mixture of 50 to 85 percent white scale wax having a melting point of 120°–130° F. and 15 to 50 percent petroleum wax having a melting point of 130°–140° F., said composition in thin layers being flexible at ordinary storage temperatures, and having a melting point of about 130°–140° F.

2,102,517
GRINDING MACHINE
George Crompton, Jr., Flushing, N. Y., and Clarence J. Green, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 23, 1936, Serial No. 60,479
18 Claims. (Cl. 51—165)



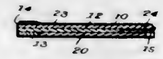
1. In a grinding machine, a grinding wheel, means to support a work piece for rotation, feeding means to feed the work piece and the grinding wheel one with relation to the other, an electrode, means urging the electrode towards the work piece, means contacting the work piece to limit movement of the electrode, electrical means controlling the feeding means, and an electrical circuit governing said electrical means including in said circuit the work piece and the electrode and which circuit is complete when the work piece and the electrode are in contact.

2,102,518
GRINDING MACHINE
Franklin E. Johnson, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 12, 1936, Serial No. 105,157
8 Claims. (Cl. 51—165)



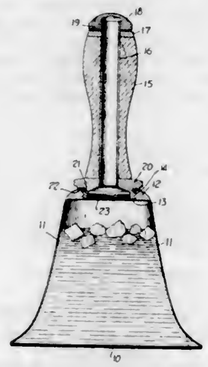
1. In a grinding machine, a grinding wheel, means supporting a work piece in position to be operated upon by the grinding wheel, a pair of gauges, a support for both of said gauges, means urging said support towards the work piece, a second support for one gauge mounted upon said first support whereby the gauges may measure the work piece to different sizes, and means for withdrawing the first named support.

2,102,519
PICTURE MOUNT OR THE LIKE AND METHOD FOR MAKING THE SAME
Carroll N. Cross, Middleboro, Mass.
Application August 14, 1936, Serial No. 96,075
5 Claims. (Cl. 40—152)



4. A picture mount or frame comprising a backboard, a cut-out face-board, a spacing member extending inwardly beyond the edges of the cut-out in said face-board interposed between said backboard and said face-board, a flexible binding member disposed over the marginal edges of said backboard, face-board, and spacing member whereby said members are sealed about their edges, a picture receiving well in said spacing member, a picture window inlay lying in the facial plane of said face-board and having its outer margins overlying the inwardly extending portions of said spacing member and its inner margins overlying a portion of said picture receiving well, said backboard, spacing member and face-board having coincident outer marginal edges, and means securing said members together.

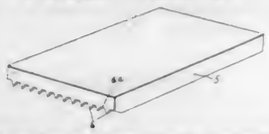
2,102,520
COCKTAIL SHAKER
Bruce de Montmorency, Pelham, N. Y., assignor to National Silver Deposit Ware Co., Inc., New York, N. Y., a corporation of New York
Application July 15, 1937, Serial No. 153,757
6 Claims. (Cl. 220—1)



1. A cocktail shaker comprising a container for the ingredients to be mixed, said container having a top wall with a relatively large central filling aperture, the side walls converging upwards to impart to the container a shape like the body of a bell, and a relatively long and narrow pouring member projecting axially from said container and removably secured to the top of the container in sealing relation to said aperture, said member having a relatively narrow longitudinal passage through which the contents of the container may be poured, and a removable closure for the outer end of said passage,

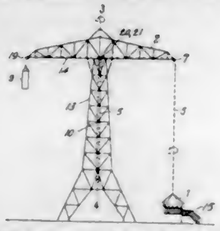
said member being graspable as a handle for swinging the container to mix the contents thereof.

2,102,521
DIFFRACTION GRATING TOOL
Ralph Douglas Doner, Auburn, Ala.
Application September 29, 1936, Serial No. 103,197
6 Claims. (Cl. 33—41)



1. A diffraction grating comb comprising a bar having one edge formed with a multiplicity of microscopic pyramidal teeth whose bases are spaced apart.

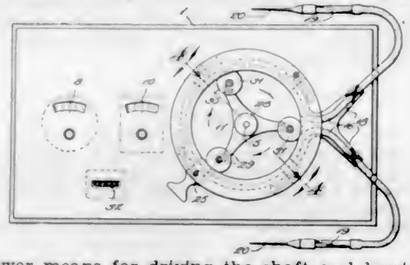
2,102,522
LATTICE TOWER WITH LIFT FOR PEOPLE IN PARKS, EXHIBITIONS, AND THE LIKE
Martin Eichelgrün, London, England
Application April 15, 1936, Serial No. 74,504
In Germany April 16, 1935
2 Claims. (Cl. 272—6)



1. In a lattice tower of the kind described and in combination, an upper circular platform rotatably mounted on said tower and having a toothed edge, a jib carried by said platform, and a lower platform, similar to the first, rotatably mounted in said tower, a winch carried by the lower platform, a vertical shaft carrying pinions meshing with the toothed edges of the upper and lower platform, two ropes wound from opposite sides upon the drum of said winch, a cage attached to the free end of one rope and a countershaft attached to the free end of the other rope, guide rollers extending said ropes from the winch over the ends of the jib to the cage and to the counterweight and a landing stage on even ground located to meet the cage in its lowered position.

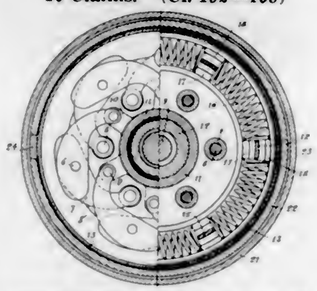
2,102,523
BLOOD TRANSFUSION MACHINE
Samuel J. Ferrara and William E. Deen, Peru, Ind.
Application March 23, 1936, Serial No. 70,462
2 Claims. (Cl. 103—149)

1. In a blood transfusion machine including intake and discharge means connected by a flexible hose, a casing, a pump housing supported by said casing and including an annular portion having an annular groove for receiving a portion of said flexible hose, a retaining member removably mounted to the annular portion and having an annular groove cooperating with the first-named groove in forming an annular seat, a driven shaft extending into the pump housing from said casing, a spider secured to said shaft, rollers pivotally and rotatably secured to the spider and contacting the hose within the annular seat for forcing blood through the hose, and



power means for driving the shaft and located in the casing.

2,102,524
CENTRIFUGAL CLUTCH
Jean Fleux, Paris, France, assignor of one-half to Schneider & Cie, Paris, France, a joint-stock company of France
Application April 9, 1936, Serial No. 73,568
In France April 16, 1935
10 Claims. (Cl. 192—105)



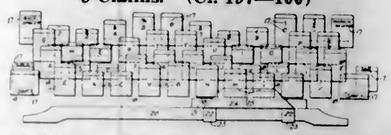
1. A torque limiting friction clutch of the type adapted to automatically connect and disconnect rotatable driving and driven members at a predetermined speed of rotation of the driving member comprising a drum secured to the driven member, a helical coupling band disposed within said drum normally out of contact with the inner surface thereof but adapted to be expanded into frictional engagement therewith to couple the driving and driven members together, a clutch actuating member mounted on said driving member and capable of rotation relatively thereto, said coupling band being anchored at its ends relatively to said driving and actuating members respectively, centrifugally actuatable weighted members operatively connecting said driving and actuating members in such a manner that movement of said weighted members under the influence of centrifugal force produces relative rotation between said driving and actuating members and expansion or contraction of said coupling band, a plurality of peripherally arranged, coil springs each bearing at both of its ends against stop members carried by one of said driving and actuating members, and means carried by the other of said driving and actuating members and cooperative with said stop members for effecting compression of each of said springs in either direction, whereby said springs may be compressed at one end for automatic operation of the clutch and at the other end for absorption and cushioning of the shocks resulting from movement of the driving member forwardly relative to the actuating member.

2,102,525
SEPARATION OF SOLID PARTICLES FROM FLUIDS
Horace Freeman, Three Rivers, Quebec, Canada, assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Continuation of applications Serial No. 68,667, March 13, 1936, and Serial No. 111,578, November 19, 1936. This application August 24, 1937, Serial No. 160,578. In Canada March 11, 1936
18 Claims. (Cl. 92—28)



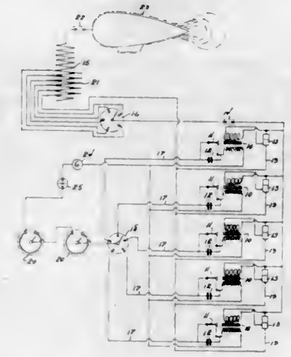
3. Apparatus for separating relatively heavy particles from fluid, comprising an upstanding substantially cylindrical chamber, a closure for the top thereof, means for forcing a stream of the fluid of such dimensions and pressure into the upper end of said chamber as to establish a downwardly flowing outer vortex occupying the peripheral zones thereof, the fluid of said vortex returning as an upwardly flowing inner vortex confined within and by the downward vortex, an outlet for withdrawing the fluid of said upward vortex upwardly from within the upper end of said outer vortex, a partition extending across said chamber at a point spaced substantially from both the upper and lower ends of said chamber, said partition having a central aperture whereby said vortices are greatly restricted in passing concentrically therethrough, a second partition extending across said chamber in the neighborhood of the lower end thereof and being apertured to permit a relatively gentle current of fluid to carry particles from said downward vortex to a point below said second partition, and permitting such current to return to the upward vortex, and means normally enclosing the space below said second partition against other escape of fluid therefrom.

2,102,526
TYPEWRITING MACHINE
Frederick M. Guilfoyle, Denfield, Ontario, Canada, assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application January 18, 1934, Serial No. 707,176
5 Claims. (Cl. 197—100)



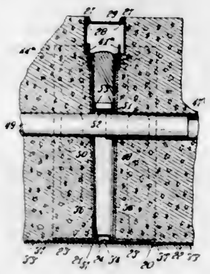
1. A key board for typewriting and like machines provided with four transverse rows of keys in which there is a difference in the height of the keys in each transverse row, the height of the alphabet keys in the first or front row being generally less relative to those in the second row than the difference in height between the alphabet keys in the second and third transverse rows of keys.

2,102,527
AIR RESISTANCE REDUCER
Everett M. Hadley, Riverside, Calif.
Application June 14, 1937, Serial No. 148,239
4 Claims. (Cl. 244—1)



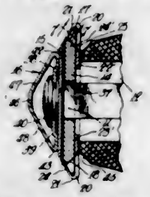
1. An air resistance reducer for aircraft of approximately pear-shaped cross section comprising means for supplying a charge of high potential electric energy to the surface of said aircraft.

2,102,528
EXPANSION JOINT
Eric E. Hall, Chicago, Ill., assignor to James H. O'Brien, Chicago, Ill.
Application October 27, 1933, Serial No. 695,470
Renewed March 1, 1937
19 Claims. (Cl. 94—18)



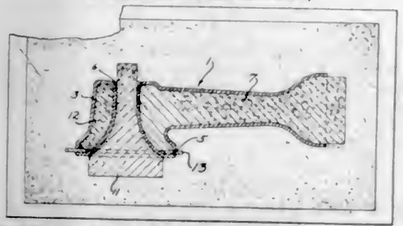
1. In apparatus of the class described, the combination with a metallic form having recesses in its bottom to accommodate dowels, of a series of members adapted to fit in said recesses and having their upper portions complementary to the cross sections of the dowels to prevent concrete from entering the form through the recesses while permitting the withdrawal of the form leaving the dowels and members in place.

2,102,529
HAIR CLIPPER
John A. Hanley, Stamford, Conn., assignor, by mesne assignments, to Clipshave Inc., a corporation of New York
Application February 7, 1935, Serial No. 5,319
25 Claims. (Cl. 30—43)



1. Hair clipping apparatus comprising a plate having parallel faces and a beveled margin, serrations across said margin, the wider face of said plate being undercut in registry with said serrations, an outer and thinner sheet metal shear plate straddling said beveled margin and slots transversely of said straddling edge, closed at both ends and determining shearing edges coacting with the portions of the serrations exposed at said beveled margin.

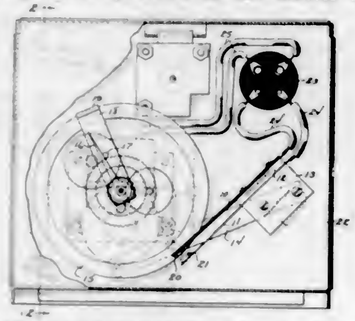
2,102,530
METHOD OF MAKING BURNERS
Christopher L. Hardwick, Cleveland, Tenn.
Application May 29, 1936, Serial No. 82,604
3 Claims. (Cl. 22—200)



1. The method of casting round burners having a hollow body and a relatively thin annular combustion slot comprising the steps of forming a baked sand core having the outline of said body, placing a ring-shaped auxiliary core member of strong non-combustible material on said baked sand core and inserting said baked sand core and said auxiliary core in a previously prepared mold whereby, when metal is cast in said mold, the space occupied by said auxiliary core will constitute said slot.

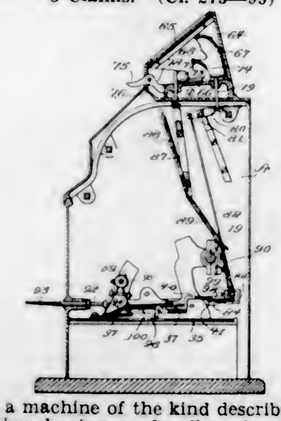
2,102,531
AUTOMATIC CONTROL FOR AUTOMATIC TALKING MACHINES
Harry H. Hoke, Jr., Washington, D. C.
Application October 7, 1936, Serial No. 104,531
3 Claims. (Cl. 194—15)

1. In a talking machine adapted to play one or more of a plurality of records and in which there is a Ferris wheel provided with record tables arranged in a circular series and on each of which a record is carried, a motor for rotating the Ferris wheel, a motor for driving each record table as the latter is brought into operative position with respect to it, a master switch controlling the motors, record governed means for operating the master switch, and a coin controlled switch operatively connected with the last said means to render the latter operative, the combination of a time controlled switch in parallel with the coin controlled switch to automatically effect positive operation of the master switch



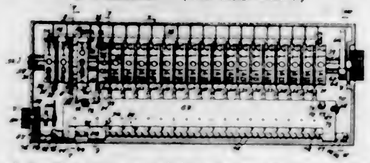
at fixed time intervals independently of the coin controlled switch.

2,102,532
COIN CONTROLLED MACHINE
Harry H. Hoke, Jr., Washington, D. C.
Application November 25, 1936, Serial No. 112,818
5 Claims. (Cl. 273—95)



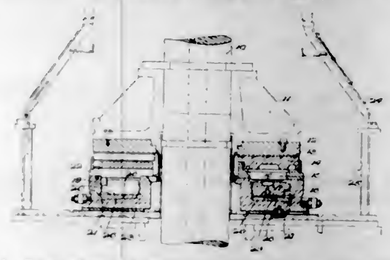
1. In a machine of the kind described, vending mechanism having a plurality of rotary driven display reels, motive means for rotating the reels, manually operated means for stopping the rotation of the reels during a cycle of operation of the said mechanism, means for staying the completion of the cycle of operation of the said mechanism, a ball-throwing device manually actuated for releasing the third-named means, and an adjustable image for receiving and directing a ball for said device into position for releasing the third-named means.

2,102,533
REGISTER
Bry E. Hovey, Huntington, W. Va.
Application February 16, 1934, Serial No. 711,605
9 Claims. (Cl. 235—117)



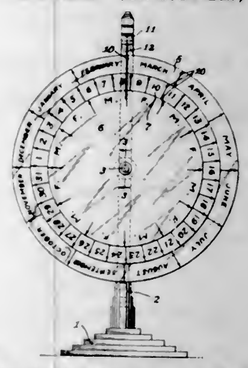
1. A register comprising a group of independent counter wheels, a series of pawls one for each wheel in the group, a common carrier for all of the pawls and supporting means movably supporting the carrier, and a selector operable along said supporting means and so shiftable along the common carrier thereby to render any one of the series of pawls operative.

2,102,534
THRUST BEARING
Harry A. S. Howarth, Philadelphia, Pa., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application January 13, 1936, Serial No. 58,941
14 Claims. (Cl. 308—160)



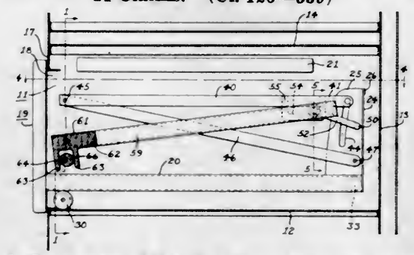
1. In a thrust bearing employing a plurality of tiltable bearing shoes, a support, means for distributing the pressure between said shoes comprising a series of bridged tiltable leveling plates, alternate plates of which series support the respective shoes and intermediate plates of which series are mounted on said support, and adjustable wedges individual to said shoe-supporting plates and mounted in slots in said support, said slots having inclined bottom faces, said wedges having their faces toward said plates in planes substantially at right angles to the axis of said bearing and their opposite faces inclined to conform with the inclination of the bottom of said slots, and said wedges being movable in said slots to support rigidly said shoe-supporting plates.

2,102,535
GAME APPARATUS
Loren E. Johnson and Benedict C. Bordonaro, Olean, N. Y.
Application January 25, 1937, Serial No. 122,282
1 Claim. (Cl. 273—142)



A game apparatus for selecting a prize winner according to date of birth and sex which comprises a base, a standard supported thereon, a shaft projecting therefrom, dials mounted on said shaft, said dials being individually, independently and selectively rotatable thereon, means for individually and independently stopping the rotation of each dial and indicia carried by said dials so arranged as to indicate a month, date and sex adjacent said stopping means when said dials come to rest.

2,102,536
STOVE
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application June 1, 1936, Serial No. 82,710
11 Claims. (Cl. 126—339)



1. In a stove of the character described having a broiler compartment, a food supporting frame, a carriage for supporting said frame providing for the withdrawal thereof from said compartment, means mounted on said carriage for adjusting the elevation of said food supporting mechanism throughout a range of positions, a control member positioned on a fixed wall of said compartment, and automatically detachable connections between said control member and said adjusting means for positioning said food supporting mechanism at any selected elevation.

2,102,537
OVERHEAD RAIL CLEANER
Louis W. Kahn, Cincinnati, Ohio
Application February 4, 1936, Serial No. 62,327
8 Claims. (Cl. 15—21)



1. A cleaning device for the side faces of an overhead rail which is normally out of reach of an operator, comprising in combination, a carriage including means for suspending it from such rail, a power actuated cleaning means supported by the carriage, a depending hand piece

of such length as to be within easy reach of an operator, said hand piece being rigidly connected with the carriage whereby movement of the carriage along the rail may be effected by the operator from a position beneath the rail, and a control means on the hand piece for control of the power actuated cleaning means.

2,102,538
ARMATURE UNIT
Charles Ray Kinkaid, Nashville, Tenn.
Application February 3, 1936, Serial No. 62,190
2 Claims. (Cl. 171—206)



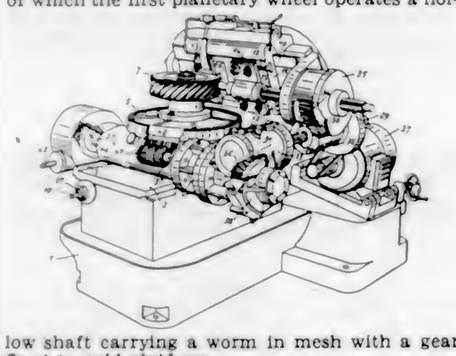
1. In combination with a generator armature having an armature shaft and a commutator, a self-contained thermostatically operated circuit breaker comprising an insulated disc having a slot and a centrally arranged opening, a contact ring mounted in said opening and frictionally engaging said armature shaft, an insulated block mounted in said slot, a fixed contact strip carried by said block and disposed within said slot, a bimetal contact strip fixed to said block and in said slot, means for electrically connecting said fixed contact strip to said contact ring, and means for electrically connecting said bimetal contact strip to said commutator.

2,102,539
PROCESS OF TREATING METAL
Carl F. Lauenstein and Paul F. Ulmer, Indianapolis, Ind., assignors to Link-Belt Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 7, 1936, Serial No. 67,703
5 Claims. (Cl. 91—70.1)

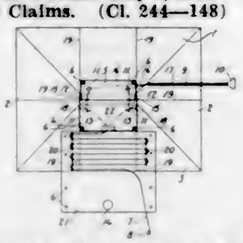
1. The method of coating and alloying a ferrous metal, of the group consisting of iron and steel, with manganese, which includes the steps of placing the ferrous metal, together with common salt and a source of manganese, in a container, heating said container and contents to a point sufficient to break down the salt to chlorine and sodium and cause direct combination of the chlorine and manganese and free the sodium for action as a reducing agent on the ferrous metal, whereby the surface of the ferrous metal is alloyed and coated with manganese.

2,102,540
MACHINE FOR HOBBING THE TEETH OF WORM WHEELS
Gabriel Lechesne, Montreuil-sous-Bois, France, assignor to Paul Durand, Neuilly-sur-Seine, France
Application July 7, 1936, Serial No. 89,407
In Great Britain July 29, 1935
4 Claims. (Cl. 90—4)

1. A machine for cutting worm gears comprising a horizontal rotary platform for receiving the blank, a horizontal rotary tool support for the cutting tool, a principal shaft actuated by a motor for controlling the said platform and said support, a worm keyed on the motor shaft meshing with a gear keyed on the tool support, a second worm keyed on said motor shaft and meshing with a gear keyed to a second shaft perpendicular to the motor shaft, this second shaft actuating the planetary wheels of a differential of which the first planetary wheel operates a hollow shaft carrying a worm in mesh with a gear fixed to said platform.

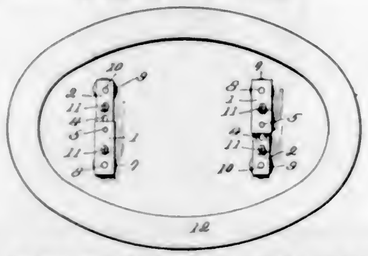


2,102,541
PARACHUTE PACK
Carl Herman Lundholm, Stockholm, Sweden
Application February 10, 1937, Serial No. 125,038
In Sweden May 7, 1936
9 Claims. (Cl. 244—148)



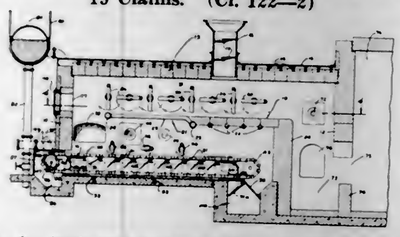
1. A parachute pack, comprising a plurality of flaps, manually operable means including a locking pin to lock and release the flaps, automatically operable means including another locking pin to lock and release the flaps, either locking pin in locked position to the pack being independent of and being operable without releasably affecting the other, a loose locking member independent of the pack and adapted in combination with said locking pins to connect at least three of the flaps substantially at one point, said locking member and said locking pins being situated, in closed position of the pack, on the outer surface thereof and substantially on the same level.

2,102,542
DEVICE FOR HOLDING FOWLS AND THE LIKE
George B. Markle, Jr., Hazleton, Pa.
Application February 11, 1937, Serial No. 125,290
4 Claims. (Cl. 65—15)



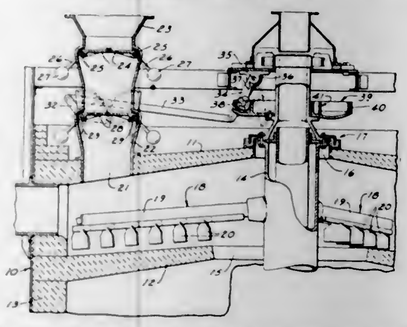
1. A device of the kind described comprising a pair of flat members, one member being provided with flanges between which the other member is slidably mounted, means for locking said members in adjusted position in respect to each other, a knurled pin secured in each member and a vacuum cup arranged under each member and secured thereto.

2,102,543
INCINERATION OF SEWAGE SCREENINGS AND THE LIKE
William Raisch, New York, Joseph C. Woodman, Flushing, John R. Buffington, New York, and John E. Morris, Flushing, N. Y., assignors to Decarie Incinerator Corporation, a corporation of New York
Application February 11, 1936, Serial No. 63,290
15 Claims. (Cl. 122—2)



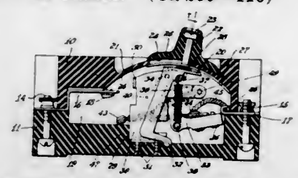
1. An incinerator comprising a furnace chamber, a drying hearth therein, a grate forming an extension of the hearth, stoking means operable from the outside of the incinerator without opening the same for moving matter deposited on the hearth in one direction along the same to the grate and along the grate to fall off the free edge thereof, and means, including a grate at a lower level, to support the dried material for burning and to move the burning material in the opposite direction beneath said grate and hearth.

2,102,544
FURNACE
William Raisch, New York, N. Y., assignor to Underpinning & Foundation Co., Inc., New York, N. Y., a corporation of New York
Application September 5, 1936, Serial No. 99,627
12 Claims. (Cl. 110—12)



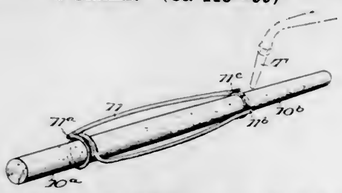
2. In an apparatus of the character described, the combination with a hearth, a charging device to drop material on said hearth and a rabbling device traveling so as to pass between the charging device and the hearth, of means for controlling the charging device to prevent the dropping of material therefrom while the rabbling device is beneath the charging device.

2,102,545
ELECTRIC SWITCH
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application May 9, 1936, Serial No. 78,818
11 Claims. (Cl. 200—116)



1. In a circuit breaker of the type having a sealed compression chamber and contacts movable relative to one another located within said chamber, the volume of said chamber being such that the entrapped gases, when heated by the arc drawn between said contacts on heavy overload, will expand and create pressure sufficient to extinguish the arc rapidly without the assistance of any escaping gas, that improvement which includes a switch mechanism for moving said contacts into and out of engagement with each other mounted entirely within said compression chamber, electro-responsive means for opening said switch mechanism upon overload also mounted entirely within said chamber, and means for actuating said switch mechanism, said actuating means being manipulative from outside of said chamber, and means preventing the escape of gas under pressure from said casing at the location of said actuating means.

2,102,546
FINGER-RING WELDING APPLIANCE
Charles Schatz, Los Angeles, Calif., assignor of one-half to Jean P. Spitzel, Los Angeles, Calif.
Application March 11, 1935, Serial No. 10,535
2 Claims. (Cl. 113—99)

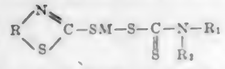


1. A mandrel for finger-ring welding and the like, having a portion on which the finger-ring is fitted composed of heat-resisting and relatively non-heat-conductive molded pressed carbon, said portion being of full circular cross section to constitute a support and backing for the entire inner peripheral extent of the ring at all points and to provide a maximum of frictional engagement with the ring, whereby the ring is held secure for the welding operation.

2,102,547
ACCELERATOR OF VULCANIZATION
Lorin B. Sebrell, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 6, 1933, Serial No. 692,427
20 Claims. (Cl. 18—53)

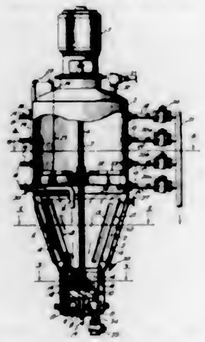
5. A method of treating rubber which com-

prises subjecting it to vulcanization in the presence of a material having the formula



in which R is an arylene group of the benzene series, R_1 and R_2 are hydrocarbon groups and M is a metal.

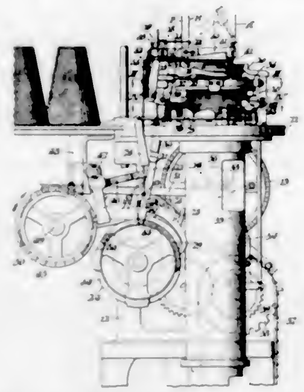
2,102,548
APPARATUS FOR TREATING HYDROCARBON OILS
Charles W. Stratford, Kansas City, Mo., assignor to Stratford Development Corporation, Kansas City, Mo., a corporation of Delaware
Application March 27, 1935, Serial No. 13,219
7 Claims. (Cl. 196—46)



1. In an apparatus for contacting a treating agent with a hydrocarbon oil, a shell comprising an upper cylindrical portion and a lower conical portion, a conical baffle within said lower portion and spaced therefrom to define an annular passageway of progressively increasing cross-sectional area, an impeller mounted within said shell adapted to circulate liquid from within said baffle and to discharge the same through said annular passageway, a floating dam within said cylindrical portion, an inlet to said shell for the treating agent and the oil, a plurality of drawoff connections communicating with the interior of said shell at a plurality of vertically spaced points and means for controlling said drawoffs.

2,102,549
KNITTING MACHINE
George C. Szabo, Knoxville, Tenn., assignor to Holston Manufacturing Company, Knoxville, Tenn., a corporation of Tennessee
Application June 21, 1934, Serial No. 731,632
1 Claim. (Cl. 66—42)

In a circular stocking knitting machine, a pair of pivoted feed fingers for serving two differently-colored yarns in plating relation to the needles; an associated normally-inoperative pivoted finger for serving a heel and toe yarn to the needles; thrust rods for controlling the aforesaid feed fingers; a rotary drum for actuating the thrust rods; means to cooperate with the needles to produce ornamental effects in the fabric by prescribed reversal of the plating yarns; means for actuating the needles to knit the plating yarns; an auxiliary feed for serving a third contrasting yarn to the needles during each rotation of the machine; a separate auxiliary stitch cam for actuating the needles to knit the auxiliary yarn, with formation from the latter, of plain single loop fabric courses in alternation with the double loop fabric courses produced with the plating yarns; connections from the auxiliary yarn feed aforesaid to the actuating thrust rod for the heel and toe yarn feed; connections from the auxiliary stitch cam with the cam drum aforesaid; and



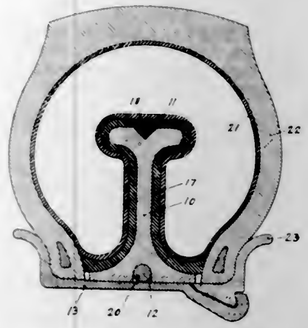
peripheral cam lugs on said drum respectively to effect the withdrawal of the auxiliary stitch cam, and for operating the thrust bar controlling the heel and toe yarn feed to concurrently effect withdrawal of the auxiliary yarn feed from action and placement of the heel and toe yarn feed into action for the knitting of the heel and toe pockets.

2,102,550
REVOLVING SIGN
Morrison C. Treesh, East St. Louis, Ill., assignor of one-half to Commodore Carr, East St. Louis, Ill.
Application August 1, 1936, Serial No. 93,892
1 Claim. (Cl. 40—77)



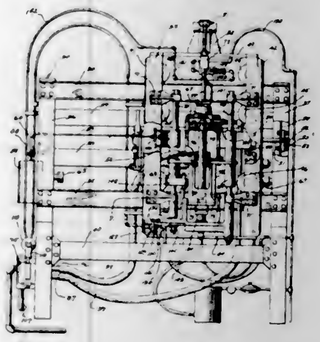
A rotary sign including a supporting member, upper and lower rotary members thereon each including a hub, radial arms and a rim having an inwardly extended flange, a sleeve secured upon and rotatable with the hub of the lower member, a housing fixed on and rotatable with the sleeve, a gear fixedly secured to the supporting member and positioned within the housing, speed reduction gearing within the housing, a supporting element mounted on the flange of the lower member, a motor mounted thereon, said speed reduction gearing constituting means for transmitting motion from the motor to the gear on the support, a housing surrounding and carried by the upper and lower rotatable members, lamps carried by the housing, and means on the supporting member for distributing electric current to the motor and lamp during the rotation of the flange about the supporting member.

2,102,551
SAFETY RING FOR PNEUMATIC TIRES
Alva W. Woodward, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application November 30, 1934, Serial No. 755,289
19 Claims. (Cl. 152—10)



2. In combination with a pneumatic tire, a tire rim mounting said tire, a safety ring consisting of a plurality of sections resting on said tire rim within the tire, an annular rubber flap enclosing and holding the ring sections in firm position by bead wire reinforcements vulcanized to the inside of the outer portion of the circumference of the rubber flap which rests against the portion of said ring on which the tire rests when the same is deflated and under load.

2,102,552
MOLD BREAKER
John F. Campbell, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application October 29, 1935, Serial No. 47,243
27 Claims. (Cl. 18—2)



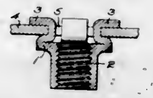
1. In a mold breaker, the combination with a frame, of a carriage slidable along said frame, a mold conveyor moving in the general direction of movement of said carriage along said frame, relatively movable elements on said carriage for engaging the mold sections of a split mold for separating same, and means actuated by said mold as said mold arrives adjacent said elements for operating said elements and to move said carriage in the direction of mold movement.

2,102,553
GREETING CARD
Sol D. Cohen, New York, N. Y., assignor to Paper Novelty Manufacturing Co., New York, N. Y., a corporation of New York
Application August 14, 1936, Serial No. 96,013
3 Claims. (Cl. 46—36)



1. A greeting card of the class described comprising a strip of cardboard divided by a score line extending vertically throughout its width, a strip of paper carrying a design and secured to said cardboard and a figure integral with said strip and extending therefrom, adapted to be animated by folding and unfolding the two portions of the cardboard strip, such animation consisting of the movement in a plane substantially parallel to the cardboard strip of such figure so as to disappear behind said superimposed paper strip upon the folding of the two portions of such cardboard strip.

2,102,554
THREADED NUT DEVICE
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application October 24, 1936, Serial No. 107,414
2 Claims. (Cl. 85—32)

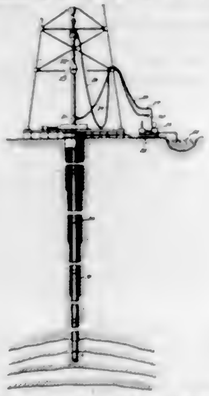


1. A sheet metal nut formed from a single piece of metal and having a flange portion, a hollow threaded shank extending from said flange and a plurality of bendable fingers extending from the periphery of said flange inwardly parallel to the plane of said flange and then outwardly at right angles thereto for the purpose described.

2,102,555
METHOD OF DRILLING WELLS
Joseph G. Dyer, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application July 2, 1936, Serial No. 88,563
3 Claims. (Cl. 255—24)

1. A method of drilling oil and gas wells into the earth through a subterranean formation of caving nature, including the steps of drilling in a conventional manner until a region in the vicinity of the caving formation is reached, withdrawing the drilling string, setting a casing in the hole thus formed, continuing the drilling through the casing while maintaining continuous circulation of a drilling mud containing a silicate, adding sections of drilling pipe to the drilling string as drilling proceeds, while maintaining continuous circulation of said drilling mud until the caving

formation has been penetrated, converting the drilling pipe into a well casing without removing



the same from the drill hole and then continuing the drilling until the desired objective is reached.

2,102,556

PROCESS OF PRODUCING CYCLOPROPANE

Henry B. Hass, West Lafayette, Ind., and Earl W. Gluesenkamp, Dayton, Ohio, assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana

No Drawing. Original application June 13, 1936, Serial No. 85,048. Divided and this application November 2, 1937, Serial No. 172,316

8 Claims. (Cl. 260—167)

2. The process of producing cyclopropane, which consists in bringing 1,3-dichloropropane and zinc together in the presence of iodide ions and of a compound capable of increasing the effective concentration of iodide ions.

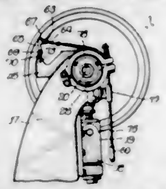
2,102,557

SAFETY MECHANISM

Jacob Hoffman, Chicago, Ill., assignor of one-half to Willy Dumke, Chicago, Ill.

Application November 16, 1934, Serial No. 753,321

17 Claims. (Cl. 192—131)



1. In a machine of the character described, a reciprocable impact element operable through a given working cycle including substantial movement from an initial position to an impact position, a prime mover for driving said impact element at a predetermined speed, selectively operable connecting means including a driven member intermediate said prime mover and said impact element, means normally acting to effect a driving connection between said driven member and the prime mover, and control means requiring the simultaneous use of both of the operator's hands for operating said connecting means and arranged normally to release said driving connection to halt operation of the machine if the operator removes either hand before said impact member has moved beyond a given intermediate position between said initial and impact positions whereafter the speed of the impact element will carry the latter from said intermediate position to impact position before the operator can move a hand from said control means into the path of the element.

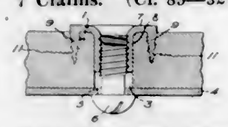
2,102,558

NUT AND INSTALLATION THEREOF

Gustav Johnson, West Roxbury, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application September 26, 1935, Serial No. 42,298

7 Claims. (Cl. 85—32)



1. A one piece metal nut comprising a base flange, a tubular threaded shank drawn from the base, and a plurality of locking prongs cut from the flange metal along lines within the outer edges of the flange, said prongs being bent at right angles, and being of greater length than the spacing between the prongs and the outer wall of the shank.

2,102,559

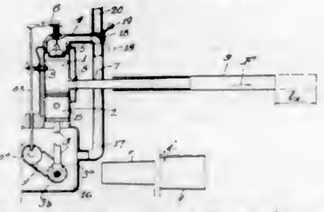
EXPLOSION OR INTERNAL COMBUSTION ENGINE

Michel Kadenacy, Paris, France

Application August 1, 1934, Serial No. 738,014

In France August 1, 1933

9 Claims. (Cl. 60—32)



1. Method of controlling two-stroke cycle internal combustion engines, which comprises establishing communication between the cylinder and exhaust system during the firing stroke, maintaining permanent open communication between the cylinder and the atmosphere while the exhaust port is open, providing for the issuance of the burnt gases from the cylinder substantially as a mass in an interval of time shorter than that which would be required for the burnt gases to expand down to the ambient pressure by adiabatic flow, whereby the mass of gases moves outward and thereafter returns toward the cylinder, preventing the entrance of fresh charging air until the said issuance of the burnt gases is in full progress, admitting fresh charging air into the cylinder when the said issuance of the burnt gases is in full progress and causes a suction effect to be exerted in the cylinder, while the exhaust port is still open, and providing for the said fresh charge to occupy the cylinder in the interval elapsing between the said exit of the burnt gases and the instant when the pressure of the returning gases becomes effective within the cylinder, whereby the re-entry of the said burnt gases into the cylinder will be opposed by the fresh charge contained therein.

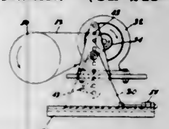
2,102,560

BELT DRIVE

Elmer G. Kimmich, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware

Application June 22, 1935, Serial No. 28,007

7 Claims. (Cl. 248—23)



7. In combination, a support, a motor-supporting bracket pivotally mounted on said support, said bracket having a portion on which the motor is mounted, a motor mounted on said portion to one side of the vertical axis through said pivotal mounting whereby the weight of the motor on said support may be utilized to tension a belt, and means for adjusting the pivotal mounting to various positions along a line substantially parallel with the direction of action of the weight of the motor on said bracket, whereby to bring the pivotal mounting substantially in the plane of that side of a belt driven by said motor which receives the driving torque.

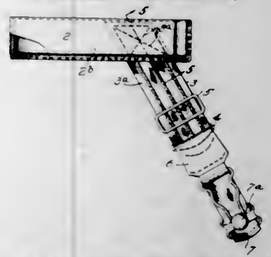
2,102,561

GARTER

Edgar O. Loeber, Cleveland, Ohio, assignor to William W. Taylor, East Cleveland, Ohio, as Trustee

Application December 4, 1934, Serial No. 755,920

1 Claim. (Cl. 241—6)



A garter or hose support comprising a resilient, curvilinear member formed of a relatively thin flat strip of metal shaped to provide a front portion arranged to engage the front portion of the wearer's leg and rearwardly extending side portions the ends of which yieldingly engage the sides of the leg and connectors adjustable endwise and consisting of flat elastic strips secured to said side portions inwardly of the ends thereof and extending therefrom at a rearwardly downwardly inclined angle and provided at their free ends with attaching devices for attachment with spaced portions of the hose rearwardly of the leg and serving to exert tension between said member and hose at an angle to the normal axis of the wearer's leg, whereby the resulting pressure or pull to support the hose is transmitted against the front portion of the wearer's leg.

2,102,562

YARN CARRIER CONTROL MECHANISM

Christian F. Meyer, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application December 17, 1936, Serial No. 116,389

12 Claims. (Cl. 66—127)

12. In a straight knitting machine, the combination with carrier bars, stops for the bars, a friction rod, and a rod reciprocable at a speed less than the speed of the friction rod, of a stationary rod, a plurality of friction boxes each connected to one of the carrier bars and each including means for alternately clamping the box to, and releasing it from, the friction rod simultaneously with releasing it from and clamping it to, said stationary rod, and means for operating said clamping and releasing means of the



several boxes in a predetermined cycle and effecting operative relation between the boxes and the reduced speed rod for reducing shocks of impact of the cyclically operated bars with the corresponding stops when the boxes are clamped to the friction rod and preventing operative relation between the boxes and the reduced-speed rod when the boxes are clamped to the stationary rod.

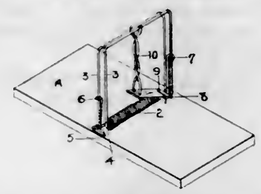
2,102,563

TRAP FOR ANIMALS

Ira A. Shanton, St. Petersburg, Fla.

Application December 18, 1936, Serial No. 116,455

1 Claim. (Cl. 43—82)



A spring trap for animals, having in combination, wire trapping members, substantially square shaped, the lower portions forming a supporting means for a spring actuating member for said trapping members and arranged to throw said trapping members in opposite directions, a suitably hinged bait holder centrally located and having attached at its inner end a trigger member which is forked at its outer end to permit sensitive engagement with the trapping members when trap is set, and a base member upon which said trapping means are mounted.

2,102,564

INSECTICIDES AND FUNGICIDES

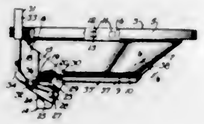
Robert J. Bonstein, Scranton, Pa.

No Drawing. Application November 27, 1933, Serial No. 700,015

15 Claims. (Cl. 167—33)

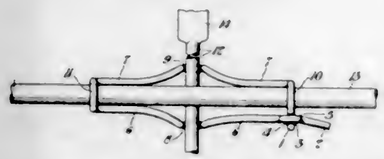
13. An insecticide and fungicide comprising a water-dispersible condensation product of an inorganic salt, selected from the group consisting of inorganic sulfides and inorganic selenides, with an organic halogen compound selected from the group consisting of aliphatic carbon compounds containing two halogen atoms on adjacent carbon atoms, and aliphatic carbon compounds containing a halogen atom and a hydroxyl group on adjacent carbon atoms.

2,102,565
SMOKER'S ACCESSORY
Roland T. Booth, Buffalo, N. Y., assignor to McDonald Products Corporation, Buffalo, N. Y.
Application February 11, 1937, Serial No. 125,261
11 Claims. (Cl. 131—51)



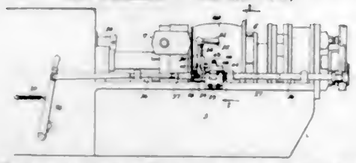
3. A smoker's accessory, comprising a receptacle, a cover for said receptacle having a depressed central portion formed with a discharge opening, a supporting bracket mounted on the under side of said cover and depending laterally therefrom, a closure plate pivoted on said bracket for edgewise movement in opening and closing said discharge opening, and a guide member secured at one end to said bracket, having a pair of curved sections following the marginal portions of said discharge opening below said closure plate and having the opposite end attached to said cover at the side of said discharge opening opposite to said bracket, said guide member cooperating with said bracket to provide a rigid support and guide for said closure plate.

2,102,566
BAR MAT CLIP
Alan E. Brickman and George A. Gleason, Worcester, Mass., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 30, 1936, Serial No. 61,603
2 Claims. (Cl. 94—8)



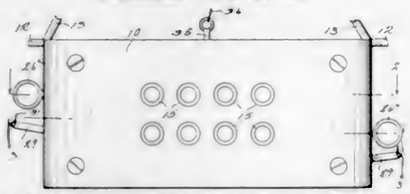
1. A clip for interfastening right-angularly crossed bars, said clip comprising a piece of spring wire in the form of an elongated loop of approximately rectangular outline, the respective end portions of said piece being arranged so they can be crossed at the side of one end of said loop and being respectively crimped in opposite directions to form interlocking surfaces when so crossed, the portions of said piece forming the sides of said loop being looped at their centers in planes at right angles to the plane of said loop so as to provide a pair of alined bar-seats that open in similar directions and the portions of said piece forming the ends of said loop being looped at their centers in planes also at right-angles to the plane of said loop so as to provide a pair of alined bar-seats which likewise open in similar directions, said pairs of bar-seats respectively opening in opposite directions so that said clip can be wrapped around said crossed bars and said portions forming the sides of said loop angling apart in the plane of the latter towards their respective centers so as to spread the first named pair of bar-seats.

2,102,567
SAFETY FEED KNOCK-OUT
Robert S. Brown, New Britain, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application September 12, 1936, Serial No. 100,517
15 Claims. (Cl. 29—38)



1. In a machine of the character indicated, an indexible chuck carrier, means for securing the same in indexed position between indexing movements thereof, a feed clutch, a plurality of chucks carried by said chuck carrier, chuck actuating means, a control member for said chuck actuating means, and means controlled by said means for securing said chuck carrier in indexed position and timed to act just prior to indexing of said chuck carrier for disengaging said feed clutch when said chuck control member is in open chuck position.

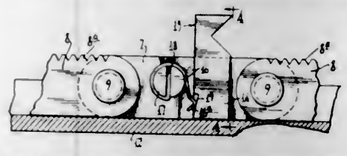
2,102,568
CHEST SUPPORTED FIREARM
Melvin A. Elkins, Tucumcari, N. Mex., assignor of one-half to Nesby W. Sharp, Conchas Dam, N. Mex.
Application March 9, 1937, Serial No. 129,911
7 Claims. (Cl. 42—1)



1. A firearm of the character described, including a body adapted to be supported on the chest, a cartridge holding chamber formed in the body and opening toward the front of the body, a firing pin disposed behind the chamber, a plunger disposed behind the rear end of the cartridge chamber and having a cam projection engaging with the firing pin to project it, a sear operatively engaging said plunger and holding it with its cam projection out of engagement with the firing pin, a spring urging the plunger in a direction to engage the cam projection with the firing pin, and a cord operatively engaged with the sear and adapted to be connected to the arm of the wearer, an upward movement of the arm placing the cord under tension, releasing said sear and allowing the projection of the firing pin.

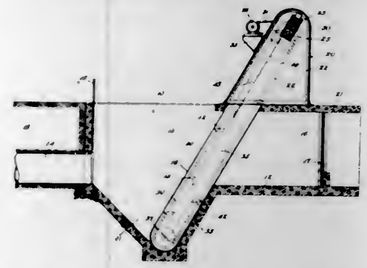
2,102,569
CONVEYER CHAIN WITH READILY DETACHABLE FEED-LUG
Roy E. Johnson, Minneapolis, Minn., assignor to Mereen-Johnson Machine Co., Minneapolis, Minn., a corporation of Minnesota
Application May 22, 1935, Serial No. 22,755
6 Claims. (Cl. 198—175)

1. In a conveyer chain made up of pivotally connected links, transversely extended parallel slots in opposite sides of a chain link, a feed-lug having laterally spaced parallel legs, said lug legs being slidably seated in the transverse slots of said chain link, and yielding means for locking



the lug against accidental displacement from the chain, said yielding means being automatically releasable by pull exerted on the lug.

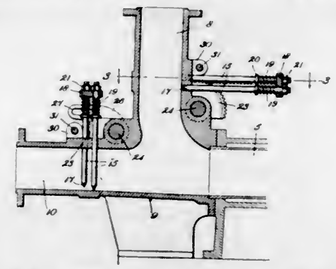
2,102,570
SCREENING APPARATUS FOR LIQUIDS
Arthur C. Lind, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 12, 1936, Serial No. 95,652
6 Claims. (Cl. 210—176)



1. In screening apparatus for liquids, a framework adapted to extend downwardly into a liquid conduit; an inclined screen carried by said framework across the conduit; an endless conveyor including an adjustable slack take-up head shaft mounted in said framework above said screen, said conveyor having a run disposed in co-operative relationship to said screen, and being provided with means arranged to remove settled solids from the conduit, and also to remove debris from said screen; and an inclined apron extending upwardly from said screen to said head shaft, said apron being slidably mounted in said framework for movements relative to the screen, and arranged to be moved with said head shaft to at all times close the space between the screen and head shaft and thereby prevent material spilling from said removing means from passing to the screened liquid.

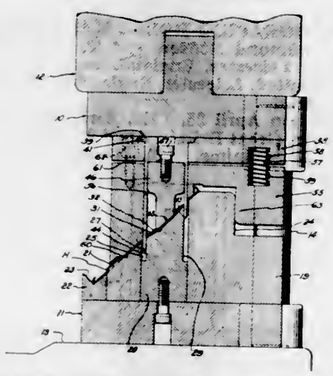
2,102,571
VALVE FOR CONTROLLING PLASTIC CONCRETE MIXTURES
John C. Merwin and Rudolph F. Lindow, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1933, Serial No. 698,716
3 Claims. (Cl. 83—73)

1. In a valve for controlling the flow of plastic concrete mixtures embodying substantial proportions of coarse aggregates which give to such mixtures a strong tendency to stow at restrictions, a housing having a mixture passage; a plurality of spaced prongs movable through a wall of said housing into said passage transversely thereof to partially obstruct the same and thereby produce stowing of the mixture to stop its flow; a cross-head exterior of said housing; yieldable connections between each prong and said cross-head, whereby any prong encountering a piece of aggregate which prevents its full travel



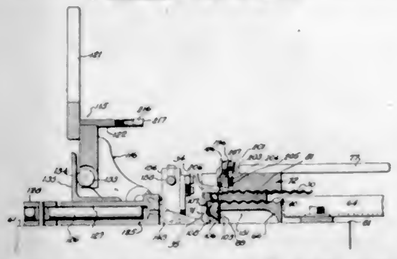
into said passage may yield; a rack carried by said cross-head; a gear meshing with said rack; and means for actuating said gear to move the rack and cross-head to cause said prongs to enter into and be withdrawn from said passage.

2,102,572
METAL FORMING TOOL
Frank J. Minkel, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application February 26, 1935, Serial No. 8,325
3 Claims. (Cl. 153—21)



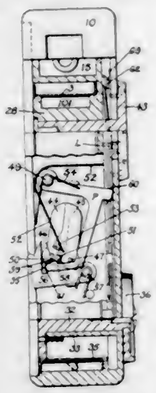
2. In a die mechanism for providing elliptical flanged holes in sheet metal blanks, a tool comprising a tubular punch having an outside diameter substantially equal to the minor axis of the hole to be formed and having an inside cutting edge and an outside forming edge for forming the flange in the blank, a second tool comprising a die block having a cylindrical forming die opening for cooperation with the forming edge of the tubular punch, and a cylindrical punch mounted concentrically within the die block opening and adapted to cooperate with the cutting edge of the tubular punch, means for mounting said tools for relative movement toward each other with the punch and die formations disposed in coaxial alignment, said die block having a supporting surface for the blank inclined at an angle to the axis of the formations, said punches being also formed with angular faces parallel to the supporting surface of the die block.

2,102,573
MACHINE FOR FORMING RADIATOR RIBBONS
Stanislaus Przyborowski, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application January 28, 1935, Serial No. 3,796
7 Claims. (Cl. 113—1)



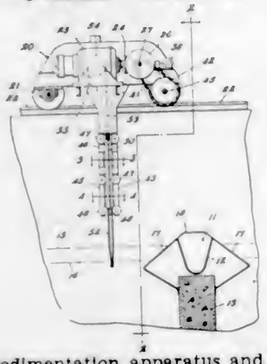
1. The combination with a joint forming mechanism for radiator ribbons having a bending die mechanism including a holding jig for the ribbons and bending dies for forming the joint, of a mechanism for feeding a predetermined length of solder wire, cooperative means on the holding jig and bending dies for operating said feeding mechanism in timed relation therewith, and solder shearing and positioning means on the jig and dies for inserting the wire lengths in the joint during the formation thereof.

2,102,574
PHOTOGRAPHIC ROLL-FILM CAMERA
Richard Edmund Reason and Thomas William Clifford, Leicester, England, assignors to Kapella Limited, Leicester, England, a corporation of England
Application April 25, 1935, Serial No. 18,148
In Great Britain April 26, 1934
9 Claims. (Cl. 242—71)



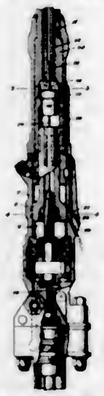
1. In a film camera having a spool for the film, a stop or stops connected with the spool at equal angular distances, a winder for the spool, a movable detent co-operating with the stop or stops so as to permit and determine successive constant angular movements of the spool, a film finger adapted to engage a hole in the film and thereby cause the movable detent to engage said stop or one of said stops to position the film for the first exposure, and a controlling cam movable intermittently by the winder and adapted to position the film finger alternatively in or out of engagement with the film.

2,102,575
SCUMMER FOR SETTLING TANKS AND THE LIKE
Samuel Shafer, Jr., Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 7, 1935, Serial No. 35,187
3 Claims. (Cl. 210—3)



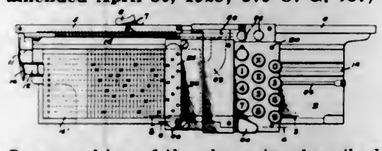
1. In sedimentation apparatus and the like, a plurality of tanks arranged side by side; scum receiving troughs carried by the division walls of said tanks; and a reciprocating scumming device arranged to transversely traverse all of said tanks, and to successively pass over and deposit scum in said troughs.

2,102,576
ROCK DRILL SLUDGE EJECTOR
Arthur H. Skaer, Los Angeles, Calif., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware
Application May 6, 1936, Serial No. 78,238
3 Claims. (Cl. 121—10)



1. In a pneumatic rock drill for overhead drilling, having a socket-like chuck, a working cylinder, and an exhaust passage, means for removing sludge from the chuck, comprising a passage entering the chuck at its most rearward point and at its other end opening into the exhaust passage in the direction of flow of the exhaust.

2,102,577
VERIFYING MACHINE
Oluf L. Cleven, Washington, D. C.
Application July 20, 1937, Serial No. 154,527
8 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



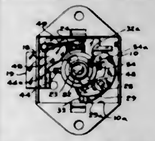
1. In a machine of the character described including an escapement mechanism and a card carrier whose movement is controlled with a step-by-step movement by said escapement mechanism, an analyzing means arranged to sense, by passage therethrough, perforations in a record, and permit the operation of the escapement mechanism only upon verification of said perforations, and marking means independent of the analyzing means and operable to simultaneously mark the card and cause a movement of the escapement mechanism when the analyzing means detects an error.

2,102,578
SEALING STRIP
George W. Gail, Ruxton, Md., assignor to G. W. Gail, Inc., Baltimore, Md.
Application January 22, 1937, Serial No. 121,877
7 Claims. (Cl. 20—69)



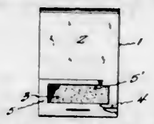
1. In a sealing strip, the combination with a flexible strip of semi-cylindrical form provided with an anchoring flange along each side edge, of a base member comprising inner and outer longitudinal parallel flanges defining slots adapted to receive the flanges on said flexible member and fastenings for securing said assembled strip in operative position, the heads of said fastenings engaging the upper faces of said inner flanges.

2,102,579
COMBINATION LOCK
Frederic K. Heyer, Stamford, Conn., assignor to The Yale & Towne Mfg. Co., Stamford, Conn., a corporation of Connecticut
Application December 5, 1933, Serial No. 700,995
35 Claims. (Cl. 70—285)



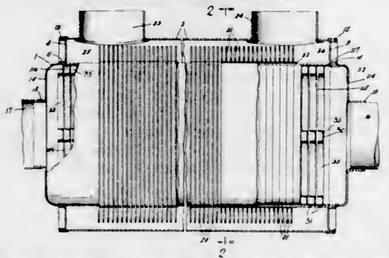
1. In a combination lock, a bolt, a bolt operating member, a series of tumblers having gatings, an actuator for rotating said tumblers, a tumbler fence member cooperable with said tumblers and adapted to enter their gatings when aligned, an actuator fence adapted to engage said actuator as said tumbler fence member enters the tumbler gatings, and means whereby said actuator fence is thereafter operable to actuate said bolt operating member to retract and throw said bolt.

2,102,580
MATCH FOLDER
Robert F. Mahon, Lake Geneva, Wis., assignor of one-half to Florence E. Macdonald, Lake Geneva, Wis.
Application October 16, 1936, Serial No. 105,967
1 Claim. (Cl. 206—29)



A match package comprising, a group of fibre matches, an envelop fitted over the same, and secured to the bottom edge thereof, the envelop being folded over the front edge of the match group to form a locking tongue having a rectangular opening therein, a striking strip carried by the envelop flap conforming to the contour of the opening in the tongue, whereby when the flap is closed said striking strip is nested in the opening with its outer surface flush with the outer surface of the tongue, said strip forming an interlocking engagement with the walls opening to hold the package closed at the free end of the envelop flap during a scratching operation for igniting a segregated match.

2,102,581
AUTOMOBILE HEATER
Arthur W. McNeish, Detroit, Mich.
Application August 19, 1936, Serial No. 96,726
1 Claim. (Cl. 257—241)



An automobile heater of the exhaust type comprising an inner sheet metal casing adapted for passage of exhaust gases therethrough and an outer sheet metal casing surrounding the inner casing in spaced relation therewith for passage of the air to be heated, spaced inlet and outlet openings in each of the said casings, a plurality of heat radiating sheet metal fin members each consisting of a closed ring of approximately L cross section, one leg of the L section of each fin member forming a continuous heat radiating fin lying in a plane approximately normal to the longitudinal axis of the casing and extending about the entire outer circumference of the inner casing and spaced from the inside wall of the outer casing, the second leg of the L section of each fin member forming an integral flange in the form of a continuous ring in continuous contact with the outside circumference of the inner casing and abutting the adjacent fin member to space each fin from the next adjacent fin whereby the flange of each fin is adapted for

joining to said casing by copper brazing, the said legs of each fin in section forming an approximately right angled external corner extending completely around said ring, the second leg of each fin along its free edge contacting the adjacent fin along said external corner with a surface contact whereby under the condition of relatively rapid heating at brazing temperature, and with the inner casing at a lower temperature than the fin members, such surface contact serves to retain melted copper in place in the joint until the inner casing is heated to the approximate temperature of the fin members.

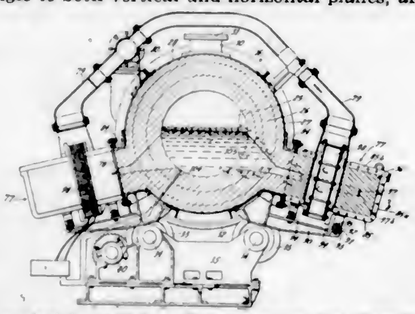
2,102,582

ELECTRIC INDUCTION FURNACE AND METHOD OF OPERATING THE SAME

David L. Summey, Waterbury, Conn.; The Colonial Trust Company and Richard P. Weeks Summey, executors of said David L. Summey, deceased, assignors to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application April 14, 1932, Serial No. 605,147
Renewed June 18, 1935
35 Claims. (Cl. 13—29)

1. An electric induction furnace comprising in combination, a horizontal cylindrical-bottomed hearth, a plurality of induction heating units thereon some of which are on each side of a vertical plane through the axis of the hearth, said heating units each including a secondary metal channel loop the plane of which is parallel to the axis of the hearth and normally inclined at an angle to both vertical and horizontal planes, and



a pocket in said hearth connecting the chamber thereof with the secondary channel loop, said pocket being rectangular in section where said loop enters it and spreading as it approaches the hearth chamber until it becomes circular in section with a diameter equal to the length of the major axis of the rectangular section.

DESIGNS

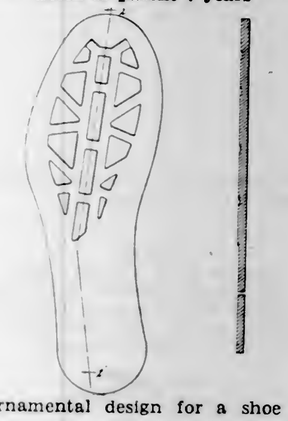
DECEMBER 14, 1937

107,400

DESIGN FOR A SHOE SOLE

Allen S. Bannister, Teaneck, N. J., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application August 18, 1937, Serial No. 71,163
Term of patent 7 years



The ornamental design for a shoe sole, as shown.

107,401

DESIGN FOR A CLOCK CASE

Jacques Martial Bars, New York, N. Y., assignor to Warren Telechron Company, a corporation of Maine

Application October 19, 1937, Serial No. 72,296
Term of patent 14 years



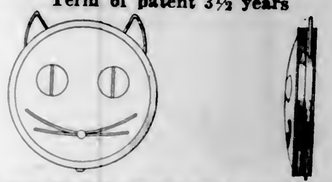
The ornamental design for a clock case as shown.

107,402

DESIGN FOR A COMPACT OR THE LIKE

Arthur Bates, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts

Application November 16, 1937, Serial No. 72,936
Term of patent 3½ years



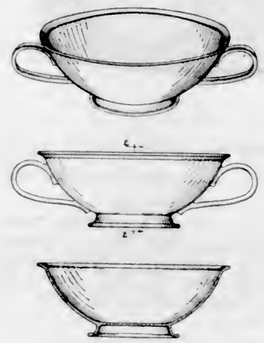
The ornamental design for a compact or the like as shown.

107,403

DESIGN FOR A SOUP CUP OR SIMILAR ARTICLE

Karl Bayreuther, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y., a corporation of New York

Application August 1, 1936, Serial No. 64,170
Term of patent 14 years



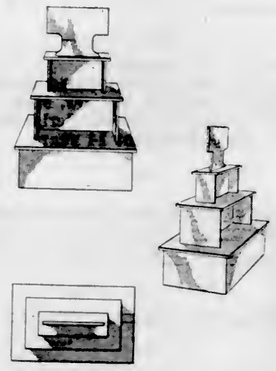
The ornamental design for a soup cup or similar article as shown and described.

107,404

DESIGN FOR A DISPLAY STAND

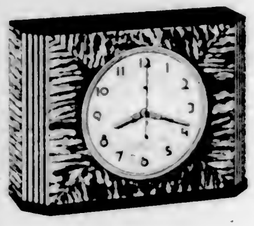
James M. Brooks, Winnetka, Ill., assignor to Story, Brooks & Finley, Incorporated, New York, N. Y., a corporation of New York

Application April 5, 1937, Serial No. 68,551
Term of patent 3½ years



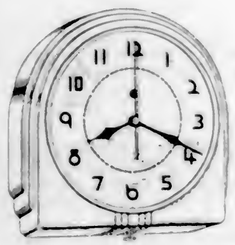
The ornamental design for a display stand, as shown and described.

107,405
DESIGN FOR A CLOCK CASE
Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 27, 1937, Serial No. 72,467
Term of patent 14 years



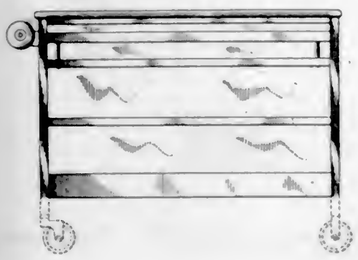
The ornamental design for a clock case as shown.

107,406
DESIGN FOR A CLOCK CASE
Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application October 28, 1937, Serial No. 72,472
Term of patent 14 years

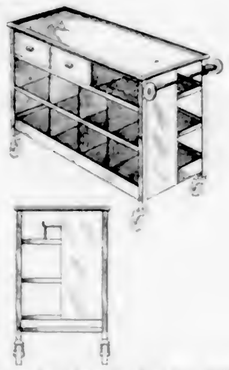


The ornamental design for a clock case as shown.

107,407
DESIGN FOR AN ORTHOPEDIC CARRIAGE
Amy J. Daniels, Palmer, Mass.
Application October 19, 1936, Serial No. 65,346
Term of patent 14 years

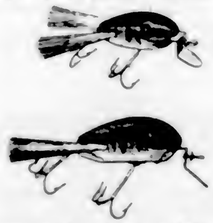


107,407—Continued



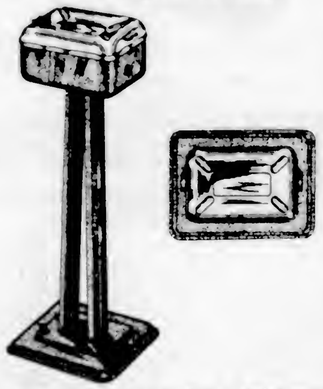
The ornamental design for an orthopedic carriage substantially as shown.

107,408
DESIGN FOR A FISH LURE
Sam F. Davenport, Garrett, Ind., assignor to Creek Chub Bait Company, Garrett, Ind.
Application June 5, 1937, Serial No. 69,703
Term of patent 14 years



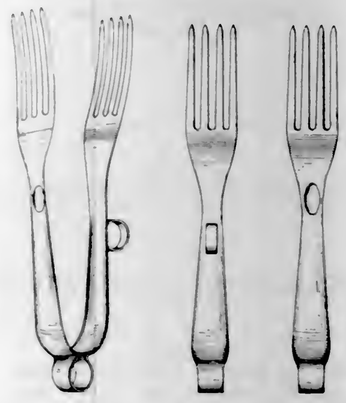
The ornamental design for a fish lure as shown.

107,409
DESIGN FOR A TOBACCO ASH RECEPTACLE
Talbert M. Dick and Maurice J. Fletcher, Des Moines, Iowa
Application April 27, 1937, Serial No. 69,002
Term of patent 14 years



The ornamental design for a tobacco ash receptacle substantially as shown.

107,410
DESIGN FOR A FOOD TONGS
Alexander A. Eliopoulos, Los Angeles, Calif.
Application October 5, 1937, Serial No. 71,973
Term of patent 14 years



The ornamental design for a food tongs as shown.

107,411
DESIGN FOR A MUSICAL CHIME
Evan G. Evans, Cincinnati, Ohio, assignor to Nutone Chimes Inc., New York, N. Y., a corporation of New York
Application October 7, 1937, Serial No. 72,048
Term of patent 3½ years



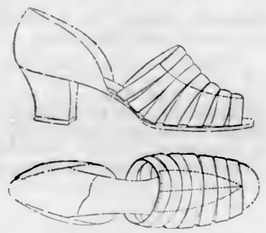
The ornamental design for a musical chime as shown.

107,412
DESIGN FOR A PLATTER OR THE LIKE
Louis Farber, Yonkers, N. Y.
Application April 30, 1937, Serial No. 69,081
Term of patent 3½ years



The ornamental design for a platter or the like, substantially as shown.

107,413
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Bernard Feldman, Newton Centre, Mass., assignor to Banner Shoemakers, Inc., West Peabody, Mass., a corporation of Massachusetts
Application October 9, 1936, Serial No. 65,214
Term of patent 3½ years



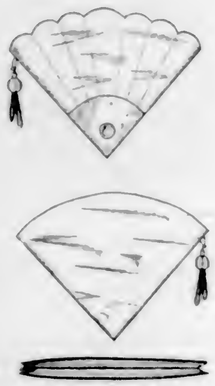
The ornamental design for a shoe or similar article substantially as shown and described.

107,414
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Bernard Feldman, Newton Centre, Mass., assignor to Banner Shoemakers, Inc., West Peabody, Mass., a corporation of Massachusetts
Application October 9, 1936, Serial No. 65,215
Term of patent 3½ years



The ornamental design for a shoe or similar article substantially as shown and described.

107,415
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 16, 1937, Serial No. 72,920
Term of patent 3½ years



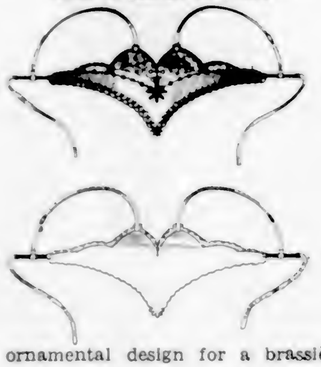
The ornamental design for a handbag, substantially as shown and described.

107,416
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 18, 1937, Serial No. 72,975
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

107,417
DESIGN FOR A BRASSIÈRE
Elizabeth B. Haines Fisher, Mount Pleasant, Mich.
Application November 6, 1937, Serial No. 72,660
Term of patent 14 years



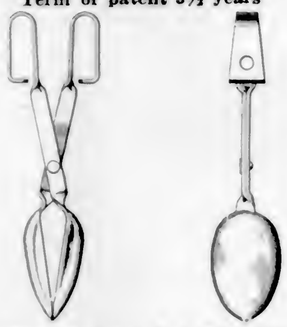
The ornamental design for a brassière, as shown.

107,418
DESIGN FOR A FISHING SINKER
John E. Ganaway, Fort Smith, Ark.
Application June 21, 1937, Serial No. 69,967
Term of patent 3½ years



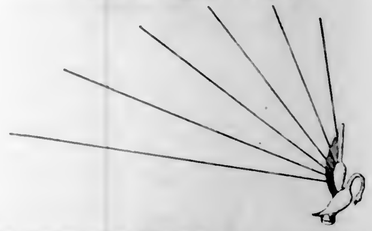
The ornamental design for a fishing sinker, as shown and described.

107,419
DESIGN FOR A TRANSPLANTING TOOL
George W. Gasser, College, Territory of Alaska
Application July 12, 1937, Serial No. 70,380
Term of patent 3½ years



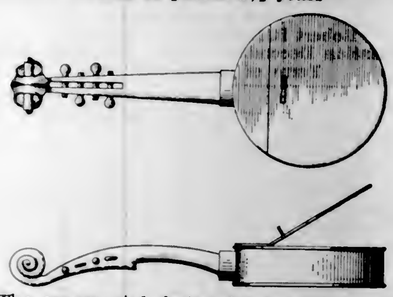
The ornamental design for a transplanting tool as shown.

107,420
DESIGN FOR AN AUTOMOBILE RADIO ANTENNA
John L. Gilmore, Kansas City, Mo.
Application October 25, 1937, Serial No. 72,426
Term of patent 7 years



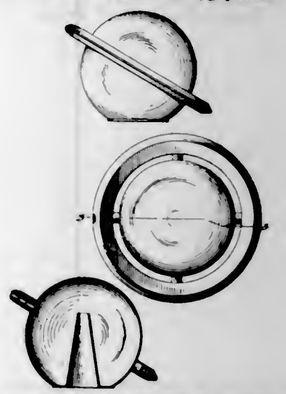
The ornamental design for an automobile radio antenna substantially as shown and described.

107,421
DESIGN FOR A SERVING TRAY OR SIMILAR ARTICLE
Edward San Giovanni, Jackson Heights, N. Y.
Application October 18, 1937, Serial No. 72,252
Term of patent 3½ years



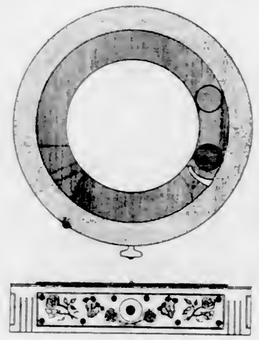
The ornamental design for a serving tray or similar article, as shown.

107,422
DESIGN FOR A TEAPOT
Edward San Giovanni, Jackson Heights, N. Y.
Application October 18, 1937, Serial No. 72,253
Term of patent 3½ years



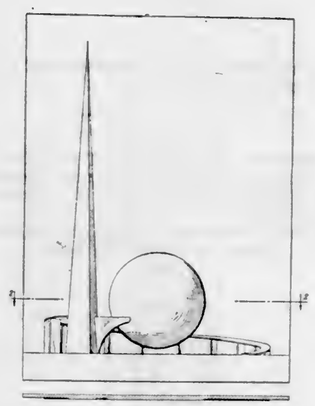
The ornamental design for a teapot, as shown.

107,423
DESIGN FOR A COMBINED COLOR DIAL AND DISPLAY STAND
Mary Gorelick, New York, N. Y.
Application October 4, 1937, Serial No. 71,947
Term of patent 3½ years



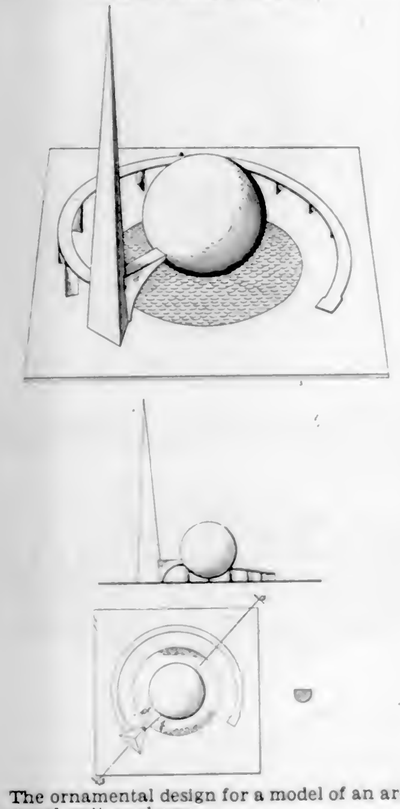
The ornamental design for a combined color dial and display stand, substantially as shown, and described.

107,424
DESIGN FOR A PLAQUE
Wallace K. Harrison, New York, N. Y., and Jacques Andre Fouilhoux, Short Hills, N. J., assignors to New York World's Fair 1939, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1937, Serial No. 70,971
Term of patent 3½ years



The ornamental design for a plaque as shown.

107,425
DESIGN FOR A MODEL OF AN ARCHITECTURAL UNIT
Wallace K. Harrison, New York, N. Y., and Jacques Andre Fouilhoux, Short Hills, N. J., assignors to New York World's Fair 1939, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1937, Serial No. 70,972
Term of patent 3½ years



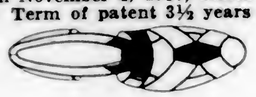
The ornamental design for a model of an architectural unit as shown.

107,426
DESIGN FOR A TOILET BOTTLE
René Honnorat, Grasse, France, assignor to Molinard, Inc., New York, N. Y., a corporation of New York
Application September 10, 1937, Serial No. 71,550
Term of patent 3½ years



The ornamental design for a toilet bottle, as shown and described.

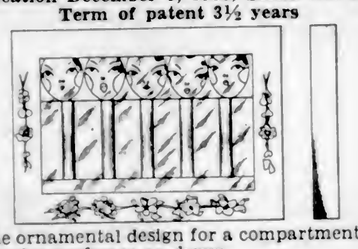
107,427
DESIGN FOR A SHOE
Morris Kalmon, St. Louis, Mo.
Application November 4, 1937, Serial No. 72,607
Term of patent 3½ years





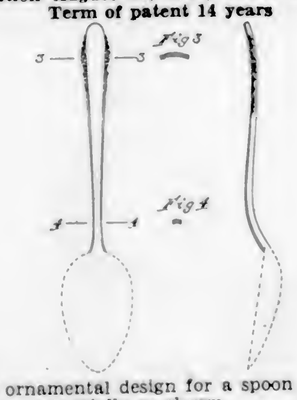
The ornamental design for a shoe substantially as shown.

107,428
DESIGN FOR A COMPARTMENT CONTAINER FOR PERFUMES
Robert B. Karoff, New York, N. Y.
Application December 9, 1936, Serial No. 66,405
Term of patent 3½ years



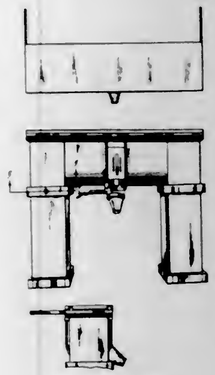
The ornamental design for a compartment container for perfumes as shown.

107,429
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Frederick W. Koonz, Bernardston, Mass., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts
Application August 18, 1937, Serial No. 71,156
Term of patent 14 years



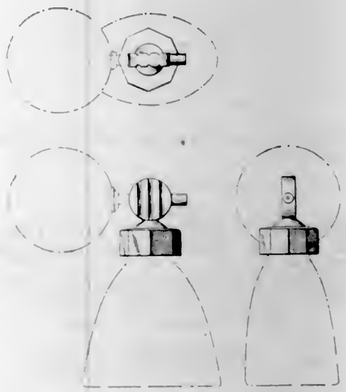
The ornamental design for a spoon or similar article, substantially as shown.

107,430
DESIGN FOR AN X-RAY APPARATUS
William M. Lee, Covington, Ky.
Application November 1, 1937, Serial No. 72,557
Term of patent 7 years



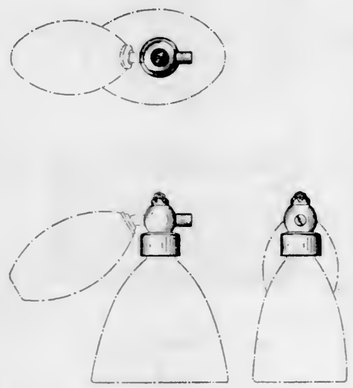
The ornamental design for an X-ray apparatus, substantially as shown.

107,431
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,721
Term of patent 7 years



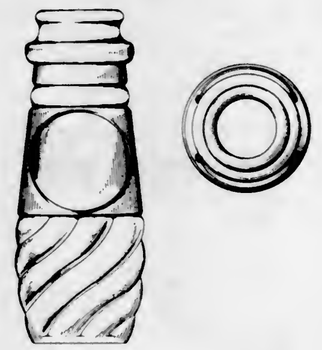
The ornamental design for an atomizer as shown and described.

107,432
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,726
Term of patent 7 years



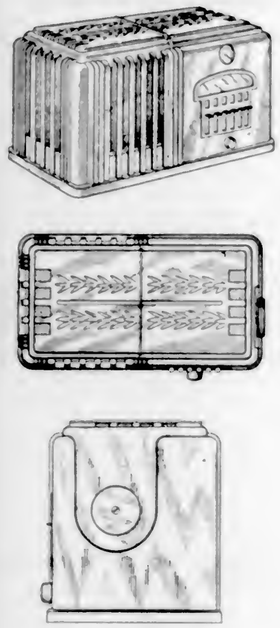
The ornamental design for an atomizer as shown and described.

107,433
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 19, 1937, Serial No. 72,297
Term of patent 14 years



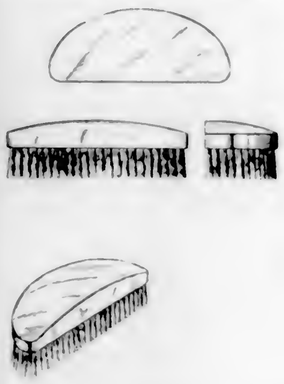
The ornamental design for a bottle substantially as shown.

107,434
DESIGN FOR A RADIO CABINET
Clarence J. Manning, Lake Bluff, Ill.
Application October 7, 1937, Serial No. 72,049
Term of patent 7 years



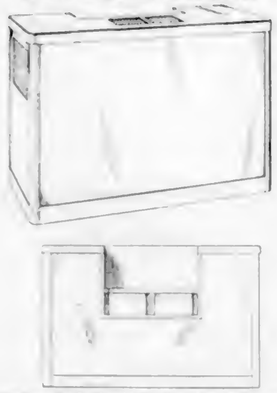
The ornamental design for a radio cabinet as shown.

107,435
DESIGN FOR A BRUSH
Leo Marder, Brooklyn, N. Y.
Application March 8, 1937, Serial No. 68,071
Term of patent 3½ years



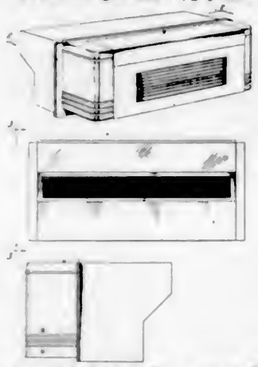
The ornamental design for a brush substantially as shown.

107,436
DESIGN FOR AN AIR CONDITIONING APPARATUS
Fred C. McClellan, Oak Park, Ill.
Application September 28, 1937, Serial No. 71,850
Term of patent 3½ years



The ornamental design for an air conditioning apparatus, as shown and described.

107,437
DESIGN FOR AN AIR FILTERING DEVICE
Fred C. McClellan, Oak Park, Ill.
Application September 28, 1937, Serial No. 71,851
Term of patent 3½ years



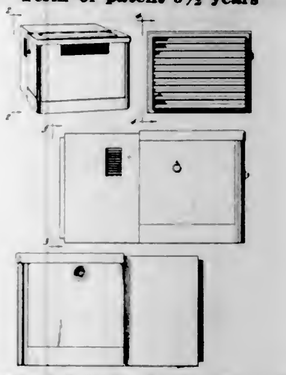
The ornamental design for an air filtering device, as shown.

107,438
DESIGN FOR A COMBINED FOUNTAIN PEN AND CHECK PROTECTOR OR SIMILAR ARTICLE
Charles J. MacNally, Jamaica, N. Y.
Application October 19, 1937, Serial No. 72,311
Term of patent 14 years



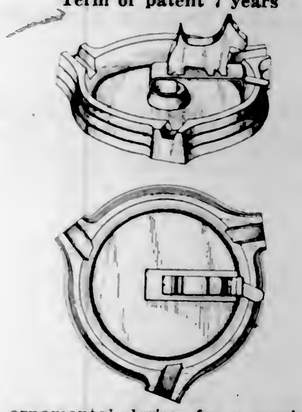
The ornamental design for a combined fountain pen and check protector or similar article, substantially as shown and described.

107,439
DESIGN FOR AN AIR CONDITIONING APPARATUS
Fred C. McClellan, Oak Park, Ill.
Application September 28, 1937, Serial No. 71,852
Term of patent 3½ years



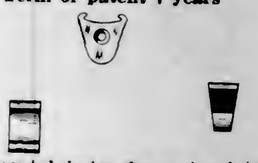
The ornamental design for an air conditioning apparatus, as shown.

107,440
DESIGN FOR A COMBINED ASHTRAY AND CIGARETTE EXTINGUISHING DEVICE
John Thomas McCreary, Chicago, Ill.
Application May 6, 1937, Serial No. 69,208
Term of patent 7 years



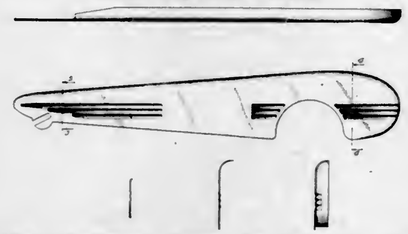
The ornamental design for a combined ashtray and cigarette extinguishing device, as shown.

107,441
DESIGN FOR AN INSULATED SWITCH HANDLE
Thomas J. Newman, Canton, Ohio
Application October 6, 1937, Serial No. 72,034
Term of patent 7 years



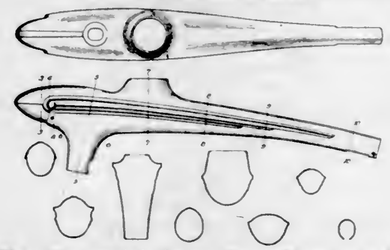
The ornamental design for an insulated switch handle, substantially as shown.

107,442
DESIGN FOR A BICYCLE CHAIN GUARD
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,071
Term of patent 7 years



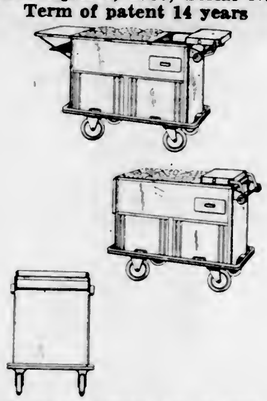
The ornamental design for a bicycle chain guard, as shown.

107,443
DESIGN FOR A BICYCLE TANK
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application October 8, 1937, Serial No. 72,072
Term of patent 7 years



The ornamental design for a bicycle tank as shown.

107,444
DESIGN FOR A FOOD CONVEYER
Harold J. O'Brien, Toledo, Ohio, assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application April 8, 1937, Serial No. 68,634
Term of patent 14 years



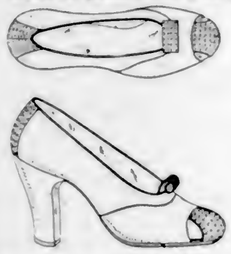
The ornamental design for a food conveyer, substantially as shown, and described.

107,445
DESIGN FOR A SHOE
Henning Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 8, 1937, Serial No. 72,675
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

107,446
DESIGN FOR A SHOE
Henning Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 8, 1937, Serial No. 72,677
Term of patent 3½ years



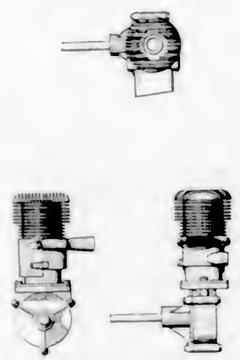
The ornamental design for a shoe, substantially as shown.

107,447
DESIGN FOR A SHOE
Henning Odencrants, St. Louis, Mo., assignor to Valley Shoe Corporation, St. Louis, Mo., a corporation of Missouri
Application November 8, 1937, Serial No. 72,678
Term of patent 3½ years



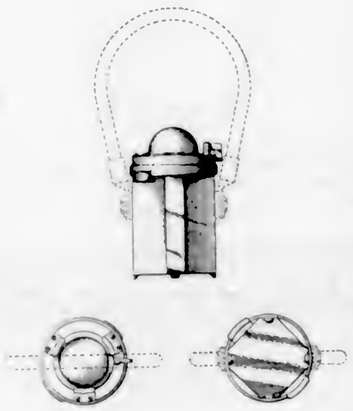
The ornamental design for a shoe substantially as shown and described.

107,448
DESIGN FOR A MINIATURE AIRPLANE ENGINE
Irwin G. Ohlsson, Los Angeles, and Henry T. Rice, San Gabriel, Calif.
Application June 28, 1937, Serial No. 70,100
Term of patent 7 years



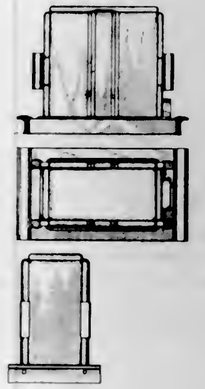
The ornamental design for a miniature airplane engine as shown.

107,449
DESIGN FOR AN ELECTRIC LANTERN
Judson S. Pixley, Astoria, N. Y.
Application October 25, 1937, Serial No. 72,408
Term of patent 14 years



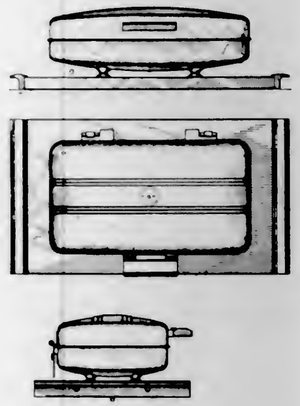
The ornamental design for an electric lantern, substantially as shown.

107,450
DESIGN FOR A BREAD TOASTER
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1937, Serial No. 71,666
Term of patent 7 years



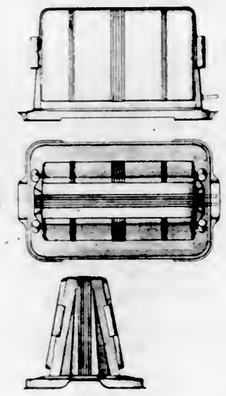
The ornamental design for a bread toaster as shown.

107,451
DESIGN FOR A SANDWICH TOASTER OR THE LIKE
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 17, 1937, Serial No. 71,668
Term of patent 7 years



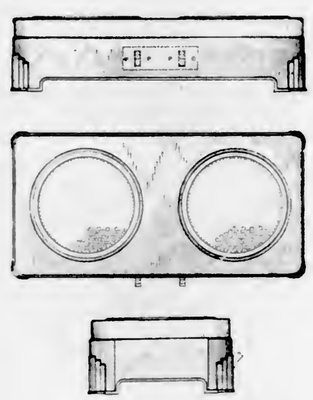
The ornamental design for a sandwich toaster or the like, substantially as shown and described.

107,452
DESIGN FOR A TOASTER
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1937, Serial No. 72,079
Term of patent 7 years



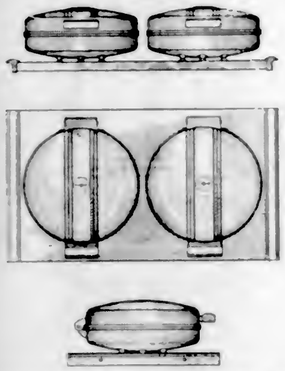
The ornamental design for a toaster, as shown and described.

107,453
DESIGN FOR A STOVE
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1937, Serial No. 72,080
Term of patent 7 years



The ornamental design for a stove, substantially as shown and described.

107,454
DESIGN FOR A WAFFLE MOLD OR THE LIKE
Edward S. Preston, Hinsdale, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 8, 1937, Serial No. 72,081
Term of patent 7 years



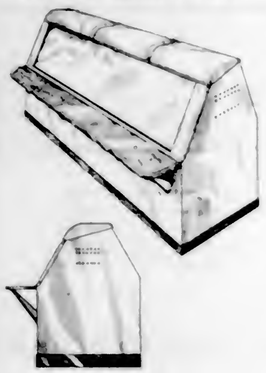
The ornamental design for a waffle mold or the like, substantially as shown and described.

107,455
DESIGN FOR A HANDLE OR THE LIKE FOR DOORS AND DRAWERS
Horace H. Raymond, Berlin, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application October 31, 1936, Serial No. 65,619
Term of patent 14 years

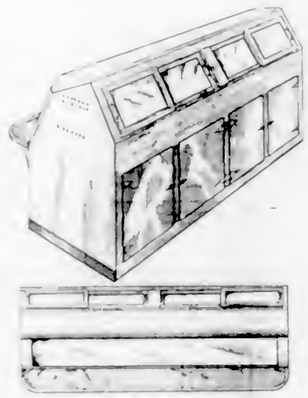


The ornamental design for a handle or the like for doors and drawers, as shown and described.

107,456
DESIGN FOR A SHOWCASE
Milton Rifkin, Denver, Colo.
Application July 12, 1937, Serial No. 70,367
Term of patent 7 years

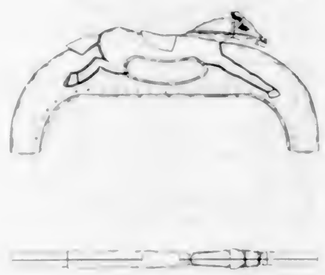


107,456—Continued



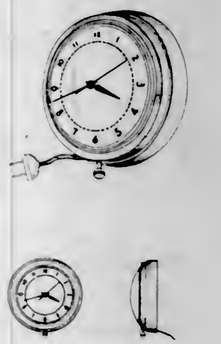
The ornamental design for a showcase, as shown.

107,457
DESIGN FOR A FRAME FOR A BAG OR SIMILAR ARTICLE
Herbert Rubin, New York, N. Y.
Application November 15, 1937, Serial No. 72,863
Term of patent 3½ years



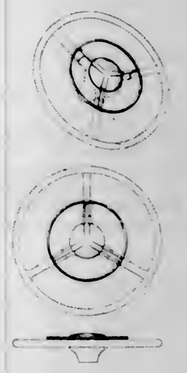
The ornamental design for a frame for a bag or similar article, substantially as shown.

107,458
DESIGN FOR A CLOCK CASING
Max Schlenker, La Salle, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application June 11, 1937, Serial No. 69,790
Term of patent 7 years



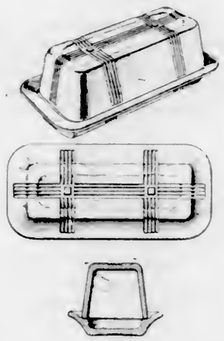
The ornamental design for a clock casing, as shown and described.

107,459
DESIGN FOR A COMBINED AUTOMOBILE STEERING WHEEL AND HORN CONTROL DEVICE
Robert D. Snoke, South Bend, Ind., assignor to Auburn Automobile Company, Connersville, Ind., a corporation of Indiana
Application February 19, 1937, Serial No. 67,743
Term of patent 7 years



The ornamental design for a combined automobile steering wheel and horn control device substantially as shown and described.

107,460
DESIGN FOR A DISH
James E. Spence, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application November 5, 1937, Serial No. 72,638
Term of patent 7 years



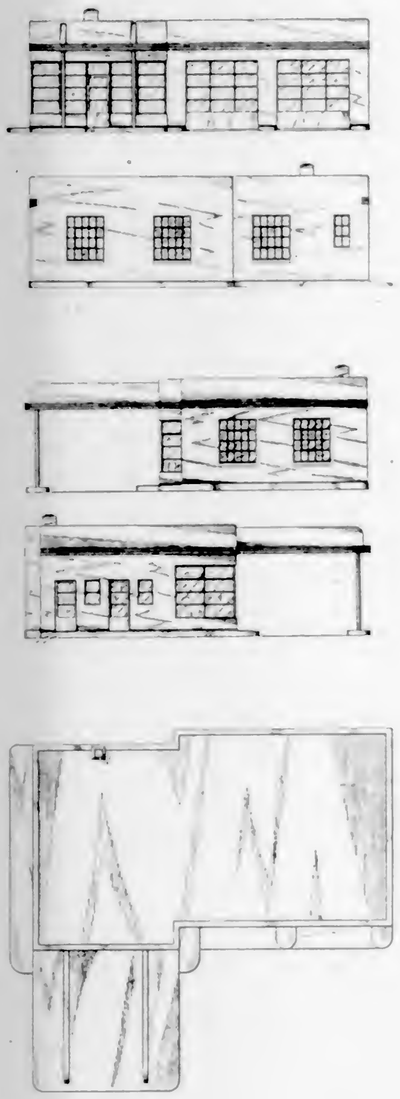
The ornamental design for a dish as shown.

107,461
DESIGN FOR A COMBINED COAL AND GAS RANGE
Walter D. Teague, Jr., Kew Gardens, N. Y.
Application December 10, 1936, Serial No. 66,464
Term of patent 14 years



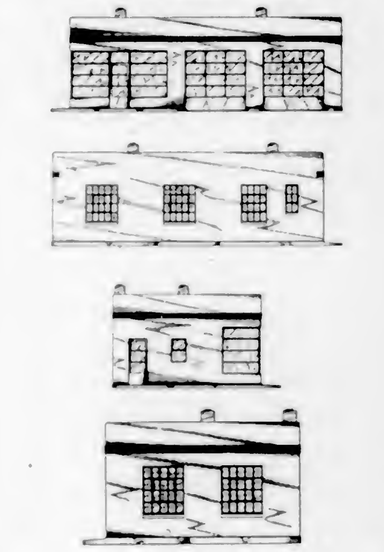
The ornamental design for a combined coal and gas range, substantially as shown, and described.

107,462
DESIGN FOR A SERVICE STATION
Walter D. Teague, Forest Hills, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 22, 1937, Serial No. 72,357
Term of patent 14 years



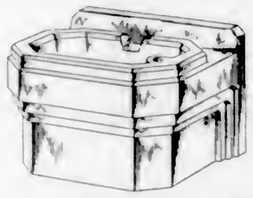
The ornamental design for a service station, as shown.

107,463
DESIGN FOR A SERVICE STATION
Walter D. Teague, Forest Hills, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 22, 1937, Serial No. 72,358
Term of patent 14 years



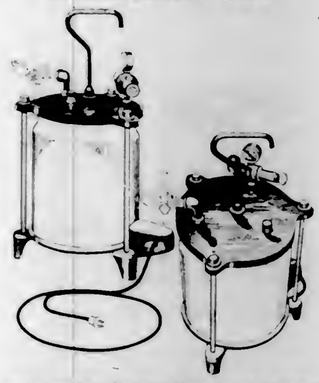
The ornamental design for a service station, as shown.

107,464
DESIGN FOR A DRINKING FOUNTAIN
Harry R. Trout, Pittsburgh, Pa., assignor to Standard Sanitary Manufacturing Company, Pittsburgh, Pa., a corporation of New Jersey
Application June 22, 1937, Serial No. 69,989
Term of patent 14 years



The ornamental design for a drinking fountain as shown.

107,465
DESIGN FOR A GEAR CASE FLUSHER
John William Tucker, Chicago, Ill., assignor to Linendoll Corporation, Chicago, Ill., a corporation of Illinois
Application October 14, 1937, Serial No. 72,173
Term of patent 7 years



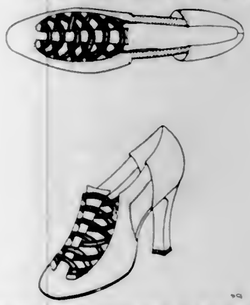
The ornamental design for a gear case flusher, substantially as shown.

107,466
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 10, 1937, Serial No. 72,749
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,467
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 10, 1937, Serial No. 72,750
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

107,468
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 10, 1937, Serial No. 72,751
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

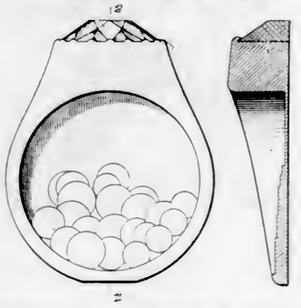
107,469
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application November 10, 1937, Serial No. 72,752
Term of patent 3½ years





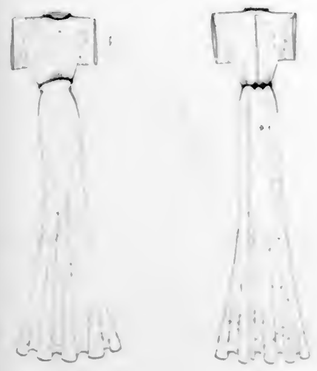
The ornamental design for a shoe substantially as shown.

107,470
DESIGN FOR A JEWELRY DISPLAY STAND
Rudolph J. Warner, Buffalo, N. Y.
Application January 14, 1937, Serial No. 67,065
Term of patent 14 years



The ornamental design for a jewelry display stand, as shown and described.

107,471
DESIGN FOR A DRESS
Irene Welch, New York, N. Y.
Application October 19, 1937, Serial No. 72,303
Term of patent 3½ years



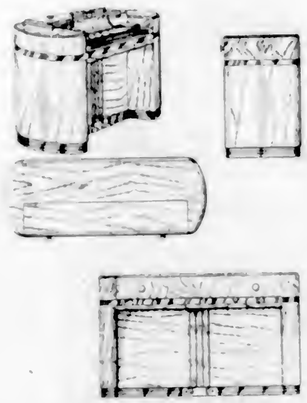
The ornamental design for a dress, substantially as shown.

107,472
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application September 23, 1937, Serial No. 71,755
Term of patent 3½ years



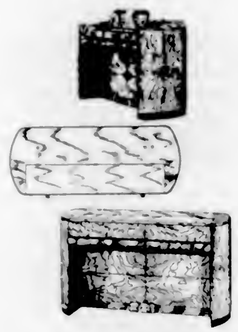
The ornamental design for a shoe or similar article, substantially as shown.

107,473
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application June 19, 1937, Serial No. 69,921
Term of patent 3½ years



The ornamental design for a piano substantially as shown.

107,474
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y., assignor to The Rudolph Wurlitzer Company, De Kalb, Ill., a corporation of Ohio
Application August 21, 1937, Serial No. 71,225
Term of patent 3½ years



The ornamental design for a piano substantially as shown, and described.

107,475
DESIGN FOR A DRESS
Jacob Abbate, New York, N. Y.
Application November 12, 1937, Serial No. 72,818
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,476
DESIGN FOR A TEXTILE FABRIC
John M. Balsam, Kenilworth, N. Y.
Application October 15, 1937, Serial No. 72,201
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

107,477
DESIGN FOR A DRESS
Marie R. Berger, New York, N. Y.
Application November 8, 1937, Serial No. 72,681
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

107,478
DESIGN FOR A DRESS
Viola Mayer Berrick, New York, N. Y.
Application October 6, 1937, Serial No. 71,985
Term of patent 3½ years



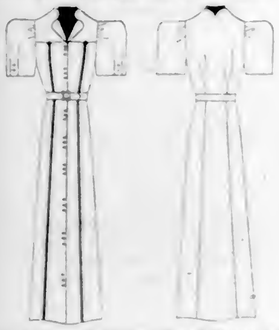
The ornamental design for a dress, substantially as shown and described.

107,479
DESIGN FOR A DRESS
Samuel Chapman, New York, N. Y.
Application July 14, 1937, Serial No. 70,447
Term of patent 3½ years



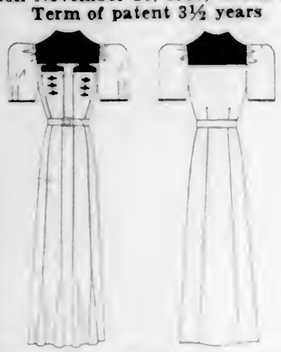
The ornamental design for a dress, substantially as shown.

107,480
DESIGN FOR A DRESS
Marie Efantes, New York, N. Y.
Application November 10, 1937, Serial No. 72,745
Term of patent 3½ years



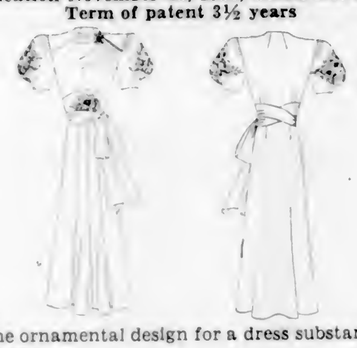
The ornamental design for a dress substantially as shown.

107,481
DESIGN FOR A DRESS
Marie Efantes, New York, N. Y.
Application November 10, 1937, Serial No. 72,746
Term of patent 3½ years



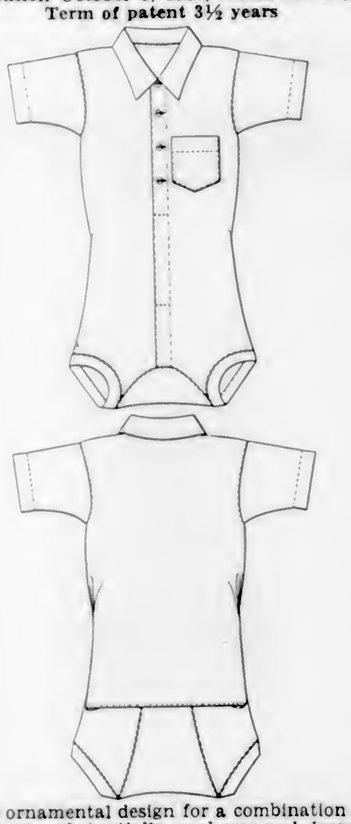
The ornamental design for a dress substantially as shown.

107,482
DESIGN FOR A DRESS
Louise Fenaroli, Astoria, Long Island, N. Y.
Application November 13, 1937, Serial No. 72,826
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,483
DESIGN FOR A COMBINATION SHIRT AND SHORTS
Everest D. Haight, New York, N. Y., assignor to E-Z Mills, Inc., New York, N. Y., a corporation
Application October 5, 1936, Serial No. 65,168
Term of patent 3½ years



The ornamental design for a combination shirt and shorts substantially as shown and described.

107,484
DESIGN FOR A LACE FOR A JACKET OR SIMILAR ARTICLE
Lawrence E. Hart and Herbert E. Lewy, New York, N. Y.
Application July 20, 1937, Serial No. 70,538
Term of patent 3½ years



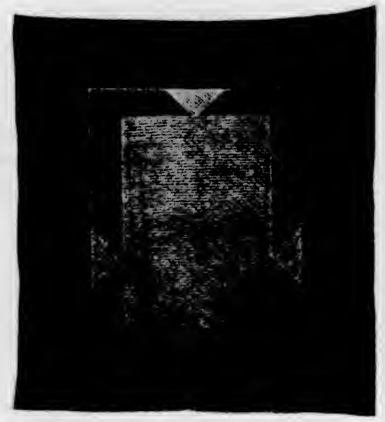
The ornamental design for a lace for a jacket or similar article, substantially as shown and described.

107,485
DESIGN FOR A WOVEN FABRIC
James Howard Hoffman, New York, N. Y.
Application October 20, 1937, Serial No. 72,337
Term of patent 7 years



The ornamental design for a woven fabric, as shown.

107,486
DESIGN FOR A BEDSPREAD
Clarence M. Jones, Calhoun, Ga.
Application October 21, 1937, Serial No. 72,347
Term of patent 3½ years



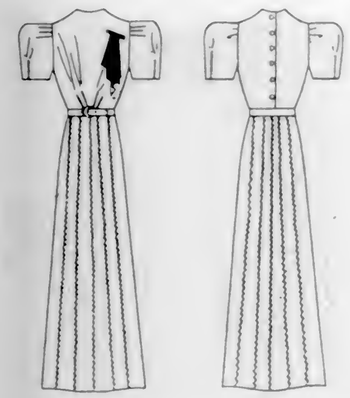
The ornamental design for a bedspread, substantially as shown.

107,487
DESIGN FOR A DRESS
Samuel Kronenfeld, Brooklyn, N. Y.
Application November 15, 1937, Serial No. 72,862
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,488
DESIGN FOR A DRESS
Herman Kushner, New York, N. Y.
Application November 1, 1937, Serial No. 72,555
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

107,489
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y., assignor to National Fabrics Corporation, New York, N. Y. a corporation of Delaware
Application September 11, 1937, Serial No. 71,569
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,490
DESIGN FOR A DRESS
David Rosenthal, New York, N. Y.
Application October 1, 1937, Serial No. 71,910
Term of patent 3½ years



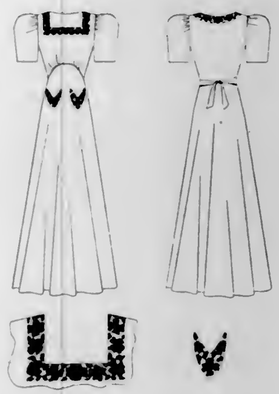
The ornamental design for a dress, substantially as shown and described.

107,491
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application October 8, 1937, Serial No. 72,054
Term of patent 3½ years



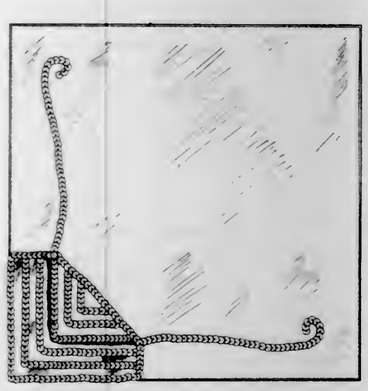
The ornamental design for a dress, substantially as shown and described.

107,492
DESIGN FOR A DRESS
Ralph Schultze, New York, N. Y.
Application November 24, 1937, Serial No. 73,167
Term of patent 3½ years



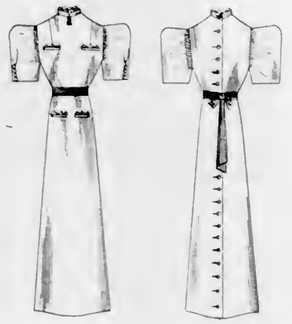
The ornamental design for a dress, substantially as shown and described.

107,493
DESIGN FOR A HANDKERCHIEF
David E. Schwab, New York, N. Y.
Application November 1, 1937, Serial No. 72,556
Term of patent 3½ years



The ornamental design for a handkerchief substantially as shown.

107,494
DESIGN FOR A DRESS
Augusta Waxberg, New York, N. Y.
Application November 10, 1937, Serial No. 72,753
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,495
DESIGN FOR A DRESS
Oscar Zaretzky, New York, N. Y.
Application October 23, 1937, Serial No. 72,379
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

Patents Nos. 2,102,583 to 2,103,229

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

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December 21, 1937

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Reissues	8—No.	20,595 to No. 20,602, inclusive.
Patents	647—No.	2,102,583 to No. 2,103,229, inclusive.
Designs	140—No.	107,496 to No. 107,635, inclusive.
Total	1,002	

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Dec. 3, 1937.*

Robert W. Edens and Omer E. Brubaker, their assigns or legal representatives, take notice:

Four interferences having been declared by this Office between a joint application for patent of Robert W. Edens and Omer E. Brubaker, of 349 Highland Avenue and 2892 Pershing Avenue, San Bernardino, California, respectively, and applications for patent filed by Edwin E. Daniels, 200 South Willard Street, San Jose, California, and Edison Harrington, 1128 Fugate Street, Houston, Texas, and ten other applications, and counsel for the parties Edens and Brubaker having been unable to secure satisfactory service upon said Edens and Brubaker, notice is hereby given that unless said Edens and Brubaker, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 1, 1937.*

Charles D. Fox, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Modern Merchandising Bureau, Inc., 36 West 44th Street, New York, N. Y., to effect the cancellation of trade-mark registration of M. Hirshfield, No. 241,179, dated April 17, 1928. The assignment records of this Office show a transfer of title to this registration to Charles D. Fox, New York, N. Y., who has been substituted for said M. Hirshfield to defend the registration concerned. The notice of such proceeding sent by registered mail to Charles D. Fox, at the said address, having been returned by the post office as undeliverable, notice is hereby given that unless Charles D. Fox, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Attorneys—Disbarment

(ORDER No. 3,402)

U. S. PATENT OFFICE, *Washington, D. C., June 25, 1937.*

Acting under the provisions of section 487 Revised Statutes of the United States (U. S. C. title 35, sec. 11), Herman Tischer, of 428 East 92d Street, New York, N. Y., whose registration is number 12,927, is hereby disbarred from practice before the United States Patent Office.

CONWAY P. COE,
Commissioner.

SUITS UNDER SECTION 4915 R. S. (35 U. S. C. 63)

Rules of the District Court of the United States for the District of Columbia—Excerpts from

LAW RULE 75, par. 6:

Whenever a case, which has progressed as far as the ready calendars, has been settled or dismissed, the attorneys therein *shall at once notify the assignment commissioner* of that fact.

EQUITY RULE 32:

A bill in equity shall not be dismissed at the instance of plaintiff *except upon motion.*

(Emphasis added.)

Condition of Applications Under Examination at Close of Business December 4, 1937

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 42,885; Trade-Mark Division, 1,314. Oldest new case, May 27, 1937; oldest amended, May 20, 1937.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 8	July 13	728
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Aug. 4	July 31	782
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 2	Oct. 1	447
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 7	Sept. 2	490
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Sept. 7	Sept. 8	558
4888C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 27	Sept. 1	733
5725	7. JARBOE, C. G., Optics; Photography	Aug. 20	Aug. 21	1,021
3685	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 13	Aug. 23	606
4824	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	July 31	July 31	626
5612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	July 27	Aug. 3	867
6087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 7	Sept. 2	462
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	July 16	July 24	641
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging, and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 11	Aug. 11	644
5097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Aug. 31	Sept. 3	640
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Aug. 25	Aug. 25	1,046
5715	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 6	Aug. 6	763
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 4	Sept. 4	537
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 6	Aug. 5	477
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 9	Aug. 5	784
6805	20. BROWN, L. M. Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 9	Aug. 16	491
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 4	Sept. 4	547
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Sept. 7	Sept. 8	569
7624	23. BUTTNER, W. J. Registers (part)	May 27	May 20	302
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 7	Sept. 8	654
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Aug. 26	Sept. 3	603
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 5	Aug. 5	503
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	June 29	June 26	914
4628	28. SOLYOM, H. L., Internal-Combustion Engines	Sept. 13	Sept. 4	351
5082	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage, Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Aug. 4	Aug. 4	756
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 6	July 6	869
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 8	Sept. 7	564
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Aug. 31	Aug. 31	479
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 7	Aug. 28	887
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Sept. 24	Sept. 21	332
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 4	Sept. 4	525
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 13	July 6	546
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	July 6	July 17	747
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 4	Aug. 3	651
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Aug. 2	Aug. 7	597
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 2	Aug. 2	1,236
7612	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Aug. 24	Aug. 18	284
5882	42. CUTTING, H. O., Electric Signaling	Aug. 14	Aug. 3	809
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Sept. 4	Sept. 4	612
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	July 9	July 9	708
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Aug. 18	Aug. 16	684
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 9	Aug. 9	605
6083	47. LOWE, E. R. (Act.), Clutches; Brakes	Sept. 2	Sept. 1	623
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 24	Aug. 24	558
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 7	June 10	842
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Sept. 4	Sept. 4	607
5629	51. BACKUS, C. D., Radiant Energy	Aug. 28	Aug. 28	772
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 21	Aug. 20	895
6697	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	July 23	Aug. 2	779
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Sept. 18	Sept. 18	421
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 22	July 21	962
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 22	July 22	1,079
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	July 8	July 19	539
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 10	Sept. 1	375
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Sept. 1	Sept. 3	612
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 12	Aug. 12	530
6734	61. PARKS, G. E., Laminated Electrical Insulation; Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	June 23	June 22	653
5621	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 15	Sept. 15	567
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation	Sept. 4	Sept. 3	392
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Sept. 4	Sept. 4	1,010
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 10	Aug. 2	666
2099B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks; Labels and Prints}	Oct. 19 Nov. 4	Nov. 1 Nov. 19	1,690 224
2605	DESIGNS, H. H. KALUPY	Nov. 8	Nov. 20	766

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

CARTER *v.* WADE & URFER

Decided March 31, 1936

INTERFERENCE—PRELIMINARY STATEMENTS—OPENING OF STATEMENTS UNDER RULE 111.

Where an award of priority was made to senior party in interference following order to show cause on junior party who alleged no date in his preliminary statement earlier than the filing date of the senior party, and no testimony was taken, *Held* that the provisions of rule 111 do not preclude senior party from having access to the preliminary statement of the junior party and he is entitled to same since the statement is an essential part of the proceedings leading up to the award of priority.

ON PETITION.

Mr. Herbert H. Thompson for Carter.

Messrs. Cameron, Kerkam & Sutton for Wade and Urfer.

FRAZER, *Assistant Commissioner:*

The party Wade and Urfer petitions for access to the preliminary statement filed on behalf of Carter. The latter has presented no opposition to the petition.

The statement in question alleged no date earlier than the filing date of petitioner's interfering application and Carter was therefore placed under an order to show cause why judgment should not be rendered against him. The showing made by Carter in response to the order was held insufficient and priority was therefore awarded to petitioner.

The practice of the Office in the matter of opening preliminary statements to opposing parties in an interference is governed by rule 111. Before the recent amendment to the rule it was the practice to throw such statements open, under the conditions set forth in the rule, at the beginning of the motion period. As amended the rule provides that the statements shall not be opened to the opposing parties until after all motions have been finally disposed of or the time for filing such motions has expired "* * * and the case is in condition for taking of testimony."

Where, as here, the judgment on priority was rendered following an order to show cause, it is obvious that no testimony will be taken and, if the quoted clause of the rule is read in a limiting sense, the senior and winning party must be denied the privilege which he had under the earlier rule.

It is not deemed that such was the intention but that the amendment to the rule was intended merely to advance the time at which the parties are entitled to see their opponent's statements. This conclusion is supported by the inclusion in the rule of a second paragraph stating:

> A junior party who fails to file a preliminary statement or a party who alleges no date in his preliminary statement earlier than the filing date of the application or applications of another party shall not have access to the preliminary statement of said party.

If the first paragraph of the rule had been intended to mean that both parties should be excluded under the circumstances here presented there would have been no occasion for inserting the second paragraph separately excluding a junior party under order to show cause.

The preliminary statement of the junior party Carter is an essential part of the proceeding leading up to the judgment on priority and therefore should be opened to the inspection of petitioner.

The petition is granted.

LESLIE FRAZER,
Assistant Commissioner.

Commissioner's Decision

SUMMERS *v.* ESAU

Decided July 29, 1936

INTERFERENCE—APPLICATION AND PATENT—PATENTEE'S RIGHT TO MAKE CLAIMS.

An interference between an applicant and a patentee should not be terminated by dissolution on the ground that the claims in issue are not properly supported by patentee's original disclosure, but should proceed to an award of priority and where an applicant brings a motion to dissolve on this ground, consideration thereof should be postponed until final hearing. (*Hull v. Hallberg*, 110 O. G. 1428, 1904 C. D. 200, overruled.)

ON PETITION.

Mr. Frank E. Summers pro se.

Mr. Frank S. Appleman for Esau.

MACKLIN, *First Assistant Commissioner:*

The party Esau petitions that the Primary Examiner be directed to modify his decision of February 27, 1936, by eliminating the portion thereof which granted the motion of Summers to dissolve.

The interference is between a patent to petitioner and an application of Summers. Petitioner is the senior party. Petitioner moved to dissolve on the ground that the claims in issue are not supported by the disclosure in the application of Summers and on the ground that the claims are unpatentable to Summers in view of certain art alleged to constitute a statutory bar against Summers alone.

Summers too moved to dissolve on the ground inter alia that the original disclosure in the application of petitioner, upon which his patent was granted, does not support the claims in issue, such claims containing new matter introduced during the prosecution of the application. The motions on these grounds were set for hearing and were granted by the Primary Examiner who set a limit of appeal for both parties.

Petitioner contends that in view of the granting of petitioner's motion to dissolve no decision on the motion of Summers was necessary and none should have been made because the motion was one attacking the validity of the claims of petitioner's patent.

An interference between an application and a pat-

ent is declared solely for the purpose of determining whether this Office should grant to the applicant a patent containing the claims copied from his opponent's patent. A decision favorable to the applicant may be based either on proof that he was the prior inventor of the subject matter involved, or on a holding that of the two contestants only the applicant is entitled to a patent on such subject matter. In either case an award of priority to the applicant unavoidably casts a cloud on the validity of his opponent's patent in so far as the interfering claims are concerned. When an interference is thus terminated by an award of priority to the applicant the patentee has the right of appeal to the Board of Appeals, and if necessary, to the Court of Customs and Patent Appeals. If, on the other hand, the interference is terminated by dissolution on the ground that the claims involved should not have been allowed in the patent, the patentee may appeal to the Board of Appeals, but he has no right of appeal to the Court. If, in the instant case, the Board, on appeal by both parties, should affirm the decision granting petitioner's motion to dissolve, the applicant Summers would have the right to prosecute the claims *ex parte* and, if the claims are refused him in this Office, he would have the right to appeal to the Court of Customs and Patent Appeals, or to proceed in equity under Sec. 4915 R. S. If the Board of Appeals should also affirm the decision granting the motion of Summers, no proceedings would be available to petitioner to remove the cloud thus placed on the validity of his patent.

In somewhat similar circumstances it was held in *Pohle* v. *McKnight*, 119 O. G. 2519, 1905 C. D. 549, that an interference between a patentee and an applicant should not be terminated by dissolution on the ground that the claims are not properly supported by the patentee's original disclosure but should proceed to an award of priority from which the patentee may have a course of appeals.

A contrary holding was made in *Hull* v. *Hallberg*, 110 O. G. 1428, 1904 C. D. 200, but it is deemed that in order that the parties should be on a parity as to the right of appeal, the practice set forth in *Pohle* v. *McKnight*, supra, should be followed. The decision in *Hull* v. *Hallberg* is therefore overruled.

Where in an interference between a patentee and an applicant the applicant raises the question of the sufficiency of the original disclosure of the patentee to support the claims in issue, consideration of this question should be postponed until final hearing.

In conformity with this conclusion the decision of the Primary Examiner, in so far as it granted the motion of Summers to dissolve, is vacated without prejudice to the right of Summers to raise again at final hearing and on appeal from an award of priority, the alleged failure of the original disclosure of petitioner to support the counts.

The petition is granted to the extent indicated.

Commissioner's Decision

EX PARTE JOHN DAVID

Decided September 23, 1937

TRADE-MARKS—APPLICATION DRAWING—AMENDMENT REMOVING A PORTION OF MARK SHOWN, TO BE SIGNED BY APPLICANT—DISCLAIMER NOT REQUIRED.

Where application was made for registration of mark consisting of words "Dog-on-it", printed beneath the picture of a Scottie dog and in response to a rejection of the application in view of an existing registration, counsel for applicant requested that the picture of the dog be removed from the application drawing, *Held* that the requested change should be expressly authorized over applicant's signature, but applicant should not be required to file a disclaimer. (*Ex parte Wayne Poultry Tonic Co.*, 164 O. G. 251, 1911 C. D. 37, overruled in so far as it is in conflict.)

ON PETITION.

Mr. Harry Radzinsky for applicant.

FRAZER, *Assistant Commissioner.*

Applicant applied for registration of the words "Dog-on-it", printed beneath the picture of a Scottie dog, as a trade-mark for various items of men's wearing apparel. The application was rejected by the Examiner of Trade-Marks in view of an existing registration, for similar merchandise, of the silhouette of a Scottie dog. Counsel for applicant then requested that the picture of the dog be removed from the application drawing. On authority of *Ex parte Wayne Poultry Tonic Co.*, 100 Ms. D. 246, 164 O. G. 251, the Examiner denied the request, stating that

"an applicant will not be permitted to modify the mark originally shown on the drawing by the elimination of a fanciful, arbitrary and salient feature thereof unless there shall be filed a disclaimer of such feature duly verified by the applicant."

By this petition applicant seeks a review of the Examiner's ruling.

I am inclined to agree with counsel for applicant that so far as the Patent Office is concerned there can be no more effective disclaimer than the removal from the drawing of the matter required to be disclaimed. If the picture of a Scottie dog had been omitted from the drawing as originally filed the reference relied on by the Examiner would probably have been deemed inapplicable and would not have been cited. Registration to applicant with the objectionable feature eliminated from his mark as filed will afford him no broader rights than if such feature had been originally omitted. Moreover it is difficult to find any rational justification for requiring a disclaimer of matter that will not appear in the certificate of registration. To do so may conceivably prejudice an applicant's common law rights, and is in my opinion both unauthorized and unnecessary.

In the present case the request to erase the pictorial feature from the drawing was made by applicant's attorney. The attorney is empowered "to make alterations and amendments" in the application, but the applicant has stated under oath "that the description and drawing presented truly represent the trade-mark sought to be registered." As no attorney has the power to amend an applicant's affidavit, the requested change in the drawing should be expressly authorized over applicant's signature. When that is done the erasure will be permitted, the requirement for a disclaimer will be withdrawn, and such further action will be taken by the Examiner as he may deem appropriate.

The petition is granted to the extent indicated.

In so far as it conflicts with the views herein expressed the decision in *Ex parte Wayne Poultry Tonic Co.*, supra, is overruled.

U. S. Court of Customs and Patent Appeals

UNITED BATTERY MANUFACTURING CO., LTD.

v.

UNITED METAL BOX CO., INC.

No. 3,804. Decided June 7, 1937

[90 F.(2d) 260]

TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—"STORAGE BATTERIES" AND "ELECTRICAL SWITCHES AND SWITCH BOXES."

Storage batteries *Held* to constitute goods of the same descriptive properties as electrical switches and electrical switch boxes.

APPEAL from the Patent Office. Affirmed.

GARRETT, *J.*, dissenting.

Miss Marie K. Saunders and *Mr. Edmund A. Strauss* for United Battery Manufacturing Co., Ltd.

No appearance for United Metal Box Co., Inc.

BLAND, *J.*:

There is here brought to us for review the decision of the Commissioner of Patents, speaking through the Assistant Commissioner of Patents, reversing the decision of the Examiner of Trade-Mark Interferences, in a trade-mark opposition proceeding.

On May 29, 1933, appellant filed application for the registration of a composite trade-mark for storage batteries, alleging its use for such since 1930. The mark is fairly described in the brief on behalf of appellant as follows:

The trade-mark of the applicant, appellant here, includes a circular disk having a wavy outline; within the periphery of the disk are the words "United Battery Mfg. Co. Ltd." (the corporate name of the applicant) while the central portion of the disk is ornamented with a shield and the representation of a spread eagle surmounting the words "United Battery."

To the foregoing it may be added that certain other words of a descriptive nature appearing within the central portion of the disk, together with the word "Battery" on the shield are disclaimed "apart from the mark as shown."

The proposed mark having been passed to publication, appellee, United Metal Box Co., Inc., filed notice of opposition. The notice is in conventional form and need not be analyzed in detail. It alleged that long prior to the adoption by appellant of its mark appellee had used a mark embodying the word "United" as a trade-mark on a variety of articles such as electric switches, electric meter panel installations, fuse plug receptacles, electric outlet boxes, meter box wall mounting and wire conduits, apartment mail boxes, medicine cabinets, clothes hampers, clothes dryers, waste receptacles, disposal devices, and metal furniture. Opposer specifically pleaded its registration of "United" for "switch boxes, motor inclosures, and safety switches." This registration dated June 6, 1922, shows the word "United" embraced within an oblong geometric figure, having six sides. Specimens of the mark as actually used show the word "Products" imposed upon the word "United," and surrounding the whole are the words "United Metal Box Co., Inc. Brooklyn, New York."

The answer of appellant to the notice of opposition denied numerous averments of the notice, and specifically contended that the marks are different in design and appearance, and that the goods of the respective parties are not of the same descriptive properties within the meaning of the trade-mark statutes, although conceding both to be classified in the Patent Office in Class 21, Electrical apparatus, machines, and supplies.

The Examiner of Interferences dismissed the notice of opposition and adjudged appellant entitled to the registration sought. In so doing he considered and pointed out the differences in both the marks and the goods. The Commissioner, while saying that there are many differences in the marks viewed in their entireties, took the view that "United" is the feature of each "which would most likely be retained in the mind of the purchaser"; that "the goods of both parties would naturally be known by that word," and, citing different decisions of this court, such as *Cheek-Neal Coffee Company* v. *Hal Dick Manufacturing Company*, 17 C. C. P. A. (Patents) 1103, 40 F.(2d) 106, 395 O. G. 10, concluded that the goods belong to the same general class and hence fall within the meaning of "same descriptive properties" in the sense of the trade-mark registration act. Hence he reversed the decision of the Examiner of Interferences and sustained the opposition.

As we view the case, the fundamental question is that of the descriptive properties of the goods of the respective parties. Evidence was introduced on behalf of the opposer relating to the nature of the products upon which its mark is applied. It seems obvious that no consideration need be given to any of opposer's products except those having an electric feature. The evidence introduced as to these shows that opposer manufactures metal boxes in which the electrical apparatuses are enclosed, or to which such apparatuses are attached. Primarily opposer's business is that of manufacturing the boxes and the mark is applied only to the boxes. It is testified that in the case of the electric switches, opposer makes the boxes and sometimes the electrical devices which are attached within them, but at times it procures the electrical devices elsewhere, made to its "special design" and for its "individual use."

There was introduced as Exhibit 5 a sample of opposer's "safety switch." Of this the Examiner of Interferences said:

The safety switch shown in Exhibit No. 5 illustrates a form of knife switch such as is commonly used in electrical circuits and there possesses general utility. In other words, it is not essential thereto nor does it constitute a necessary part of a storage battery.

It was then pointed out by the Examiner of Interferences that:

The remaining goods sold by the opposer are in the nature of hardware of the type commonly purchased by contractors for use in apartment buildings.

From the answer of applicant-appellant and its brief, it appears to be its position that owing to the differences in the marks and the differences in the goods there was no likelihood of confusion or mistake in the mind of the public, that the goods were not of the same descriptive properties, and that notwithstanding the fact that storage batteries and the electrical goods upon which the opposer alleges its trade-mark use are classified under the same class in the United States Patent Office, they are not for that reason of the same descriptive properties. It stresses the contention that it cannot be concluded that all electrical goods belong to the same class. The Examiner of Interferences evidently being of the same opinion, called attention to the fact that an electrical knife switch is not necessarily a part of a storage battery, and relied upon *Williams Oil-O-Matic Heating Corp.* v. *Westinghouse Electric & Mfg. Co.*, 20 C. C. P. A. (Patents) 775, 62 F.(2d) 378, 430 O. G. 628.

We are in agreement with the conclusion reached by the Commissioner. Of course all electrical goods or devices do not belong to the same class, but an electrical switch, an electrical switch box, and possibly a number of other electrical articles manufactured and sold by the opposer under its mark are closely associated in the mind of the public with the source of electricity which is often a storage battery, for use on which the applicant seeks to register its mark. In most instances, electricity from storage batteries, which are in use, is controlled by electrical switches, and in its control and use switch boxes and many other well-known appurtenant articles are used. The nature of the articles and the close association of their use bring them into the same class. It is a matter of common knowledge that they are used together, and are handled by the same dealers. These facts suggest the probability of confusion to purchasers if identical or similar trade-marks are used.

While appellant has called attention to the differences in the marks, we, like the tribunals below, are not impressed with the contention that the differences are such as to eliminate the probability of confusion if the marks are used upon goods of the same descriptive properties.

Even if there were doubt as to whether there was a likelihood of confusion, such doubt should be resolved against the newcomer.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

GARRETT, *J.*, dissenting:

I feel that the majority here failed to give proper weight to the striking differences between both the marks and the goods of the respective parties. The difference in the marks appears clearly from the descriptions of them set forth in the opinion. In appearance, there is no resemblance and the word "United" is their only common feature. So far as the goods are concerned, they differ entirely in nature, appearance, characteristics, and use. There can be no identification of similarity between them, save by applying to both the broad term, "electrical", and the term is applicable to only a part of the articles dealt in by opposer. Opposer manufactures metal boxes, many of which have no electrical feature whatsoever. Of those which do have an electrical feature, emphasis was placed throughout the trial of the case upon what is designated its safety switch, exemplified in Exhibit 5. This consists of a metal box having metal contact plates to which electric wires may be attached. Storage batteries are not metal boxes, and I find nothing in the record to indicate that storage batteries and safety switches are ever associated in use. Neither do I find anything of record which indicates that the products of the respective parties are sold in the same stores or to the same classes of purchasers. Rather I deduce from such testimony as may be construed to have any bearing upon this question that they are not sold in the same manner, or to the same classes of purchasers. Opposer sells its electrical equipment principally to contractors who install the boxes in buildings, or to jobbers who, in turn, sell to contractors.

The majority, as did the Commissioner of Patents, seem to have taken judicial notice as to many dealers in electrical supplies carrying storage batteries, We may, of course, apply the rule of judicial notice within proper limits, but I do not think we properly may go so far as to hold that it is applicable to the particular electrical equipment sold by opposer, especially in view of the testimonial record strongly indicating, if not positively establishing, the contrary, but even if the articles were shown to be sold as the majority opinion seems to infer I still would be of opinion, in view of the differences in the marks and the differences in the goods, that there is no reasonable likelihood of confusion within the meaning of that term as used in the trade-mark registration act. Numerous authorities might be cited, but I content myself with referring to *Williams Oil-O-Matic Heating Corp.* v. *Westinghouse Electric & Mfg. Co.*, 20 C. C. P. A. (Patents) 775, 62 F.(2d) 378, 430 O. G. 628.

U. S. Court of Customs and Patent Appeals

BECK, KOLLER & COMPANY, INC.
v.
BAKELITE CORPORATION

Nos. 3,816 to 3,824. Decided June 21, 1937

[90 F.(2d) 349]

Appeal No. 3,816

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—SYNTHETIC RESINS.

Synthetic, oil-soluble resins used in the manufacture of air-drying varnish and lacquer *Held* goods of the same descriptive properties as synthetic resin soluble in oil only to a small extent and used in varnishes requiring artificial heat to set and harden the same. "Both resins were used for varnishes and the mere fact that the resins had different properties or that the ultimate product made from them was used in a slightly different way and sold, at that particular time, to different customers does not alter the situation."

2. SAME—CONFUSING SIMILARITY—"BECKACITE" AND "BAKELITE".

The trade-mark "Beckacite" *Held* confusingly similar to the mark "Bakelite" when used on goods of the same descriptive properties and registration of the former *Held* properly refused applicant in view of opposer's prior use of latter.

Appeal No. 3,817

3. SAME—SAME—SAME—GOODS HELD OF SAME DESCRIPTIVE PROPERTIES.

Registration of mark "Beckacite" for use in connection with dry, paste and ready-mixed paints, varnishes, lacquers, etc., *Held* properly cancelled as being confusingly similar to the notation "Bakelite" previously used by applicant for cancellation on phenol resin varnish which is held to be goods of the same descriptive properties.

Appeal No. 3,818

4. SAME—SAME—GOODS HELD OF SAME DESCRIPTIVE PROPERTIES.

Registration of mark comprising a slightly ornate trefoil border and enclosing the capital letters "B", "K", and "C", each within one of the lobes of the trefoil, applied to dry paints and ready mixed paints, varnishes and ready mixed lacquers *Held* properly cancelled as being confusingly similar to the registered mark of petitioner for cancellation, held to have prior right, comprising a trefoil border enclosing the capital letter "B" in the upper lobe and the conventional sign for infinity in the two lower lobes, applied to condensation products of phenols and formaldehyde and to paint enamels, lacquers, and varnishes, the goods of the parties being of the same descriptive properties.

Appeal No. 3,819

5. SAME—SAME—SAME.

Registration of a mark consisting of the trefoil mark described in Appeal No. 3,818 and a representation of the terrestrial globe with the notation around it "World Wide Distribution" applied to "soluble synthetic varnish and lacquer resins and ester gums", *Held* properly refused as being confusingly similar to opposer's mark described in previous appeal when used on goods held to be of same descriptive properties.

Appeal No. 3,820

6. SAME—SAME—SAME.

Opposition to registration of applicant's mark for use in connection with "oil soluble plastic resins and solutions thereof in oils and mineral spirits used as painters' materials" *Held* properly sustained in view of prior use by opposer of mark on "phenol resin varnish", the marks being the same as those described in Appeal No. 3,819, and the goods being of the same descriptive properties.

Appeal No. 3,821

7. SAME—SAME—"BECKOLLOID" AND "BAKELITE"—GOODS HELD OF SAME DESCRIPTIVE PROPERTIES.

Registration of mark "Beckolloid" for use in connection with paints, dry, paste, and ready mixed, as well as varnishes and lacquers *Held* properly cancelled as being confusingly similar to the notation "Bakelite" previously used by applicant for cancellation in connection with condensation products of phenol and formaldehyde, the goods of the parties being of the same descriptive properties.

Appeal No. 3,822

8. SAME—SAME—SAME—SAME.

Registration of mark "Beckolloid" for use in connection with "soluble synthetic varnish and lacquer resins and ester gums" *Held* properly refused as being confusingly similar to notation "Bakelite" previously used by opposer in connection with condensation products of phenol and formaldehyde, the goods of the parties being of the same descriptive properties.

Appeal No. 3,823

9. SAME—SAME—"BECK-O-LAC" AND "BAKELITE"—GOODS HELD OF SAME DESCRIPTIVE PROPERTIES.

Registration of mark "Beck-O-Lac" for use in connection with "solutions of soluble synthetic resins in oils and mineral spirits for use in the manufacture of paints, varnishes, and lacquers, but excluding paints, varnishes, lacquers, and like finished products", *Held* properly refused as being confusingly similar to the notation "Bakelite" previously registered and used by opposer on paint, enamels, lacquers, and varnishes, the goods of the parties being of the same descriptive properties.

Appeal No. 3,824

10. SAME—SAME—SAME—SAME.

Registration of the mark "Beck-O-Lac" for use in connection with "soluble synthetic varnish and lacquer resins" *Held* properly refused as being confusingly similar to the notation "Bakelite" previously registered to the opposer for use on condensation products of phenol and formaldehyde, the goods of the parties being of the same descriptive properties.

APPEAL from the Patent Office. Affirmed.

Mr. Munson H. Lane for Beck, Koller & Company, Inc.

Mr. Charles H. Potter, *Mr. Harold T. Stowell*, and *Mr. Jos. N. Nielsen* for Bakelite Corporation.

BLAND, *J.*:

Patent Appeal No. 3,816—Opposition No. 12,545

This is an appeal from the decision of the Commissioner of Patents sustaining the opposition of the Bakelite Corporation to the registration by Beck, Koller & Company, Inc., hereinafter usually referred to as applicant-appellant, in "Class 6, Chemicals, medicines, and pharmaceutical preparations", of the word "Beckacite" used as a trade-mark on a special type of synthetic resin suitable for use solely in the paint, varnish and lacquer industry. Applicant-appellant's application for the registration of the trade-mark "Beckacite" calls for its use upon "synthetic resins." A motion to amend was made so as to restrict the registration sought to "oil-soluble varnish and lacquer resins."

The opposition of the Bakelite Corporation is based upon opposer's trade-mark "Bakelite", No. 75,266, registered September 14, 1909, for "condensation products of phenol and formaldehyde, in Class 6, Chemicals, medicines, and pharmaceutical preparations."

This case is the first of a group of nine appeals numbered 3,816 to 3,824, inclusive, which involve the same parties and, for the most part, the same issues. The record in Appeal No. 3,816 includes the testimony and exhibits applicable to all cases and also the answers of the applicant-appellant in all cases. The main briefs of the parties are filed in Appeal No. 3,816 and briefs in the other appeals are filed by the parties so as to explain the differences in the cases and discuss the issues there involved which are not discussed in Appeal No. 3,816.

There is very little dispute about the facts proven, and the main issue is one of law and involves a determination of whether or not the goods upon which the respective marks were used at certain times were of the same descriptive properties.

Applicant-appellant makes no claim, which is of concern here, to the use of the mark prior to 1924.

Since that date, its mark "Beckacite" has been used in the sale of synthetic phenolic resins which are sold in this country to the manufacturers of varnishes and lacquers. Applicant-appellant's synthetic resin is dissolved in oil by the varnish and lacquer manufacturers to produce air-drying varnishes and lacquers, and is a substitute for the natural resins heretofore employed for that purpose.

The opposer-appellee prior to 1924 had manufactured a synthetic resin which was a new article of manufacture in which the opposer-appellee had a monopoly by virtue of certain patents. This resin possessed numerous valuable properties such as becoming solid at ordinary temperatures without lessening in volume. It had good insulating properties and long before 1924 went into general use in the electrical trades and was molded into various articles of manufacture. It was soluble in oil to only a small extent and was not of the type of resin which is used by the varnish manufacturers in manufacturing the air-drying type of varnish. Artificial heat was normally employed to set and harden the varnish made from opposer's resin. It was soluble in alcohol.

Later than 1924 and after the applicant-appellant had entered the field, opposer-appellee manufactured a synthetic resin which was soluble in air-drying oils. The exact date of opposer-appellee's entry into this field is in dispute but since it was subsequent to 1924 we do not regard this matter as of importance. It is conceded that prior to 1924 opposer-appellee supplied consumer customers with spirit varnishes which had a rather limited use owing to the baking requirement. The weight of the evidence is to the effect that it did not sell to varnish manufacturers a phenolic resin for use in making paints and varnishes until after applicant-appellant had entered the field. This fact is in dispute. The tribunals below on this question found against the opposer-appellee. On this question opposer-appellee in this court disputes the contention of applicant-appellant that it was the first to market oil-soluble resins in this country and points out the testimony of some witnesses (which the applicant-appellant claims were interested) to show that it did sell some such resin prior to 1924 and that samples of this resin were sent out to various customers for trial. Certain shipping papers were introduced to show that opposer-appellee's activities in dealing with this character of resin were increasing gradually in 1925 and grew steadily from that time. The Examiner of Interferences found, which finding was evidently approved by the Commissioner of Patents, that prior to 1924 when the applicant-appellant entered the field, opposer was not selling or dealing in, except in an experimental way, oil-soluble phenolic resins for use in making varnishes and lacquers.

In this opposition, therefore, is presented for decision, first, the question of law as to whether or not at the time applicant-appellant adopted and first used its mark in this country (1924) it used it on goods of the same descriptive properties as those upon which opposer-appellee was then using its mark. Upon this question it is the contention of applicant-appellant that varnishes generally, or varnishes made from non oil-drying resins or resins which were not soluble in oil, are not goods of the same descriptive properties as oil-soluble varnish and lacquer resins. Its argument is chiefly based upon the contention that its product was sold only to the manufacturers of air-drying varnishes and lacquers, and that the goods of the opposer prior to 1924 could not be sold to this class of customers and were for the most part manufactured into molded articles or sold in the form of spirit varnishes (dissolved in alcohol), and that since there was no likelihood of confusion, applicant-appellant should not be deprived of its right of registration and that it should not be held that the goods of the parties were of the same descriptive properties.

The question has been argued at great length as to whether or not after 1924 the opposer had the right to use its "Bakelite" trade-mark in entering the restricted field which the applicant-appellant had entered. This was one of the main questions ruled upon by the Examiner of Interferences and by the Commissioner. On that subject and on the subject as to the likelihood of confusion the Commissioner said:

> The answer to the applicant's question as to whether the opposer possessed the right to enter the specific field previously occupied by the applicant depends upon the determination of whether or not the goods of the opposer at the time the applicant entered the field, and prior thereto, possessed the same descriptive properties as the goods of the applicant. If the goods of the respective parties possessed the same descriptive properties at that time, and I am constrained to agree with the Examiner that such was the case, then it is well settled that the opposer possessed the right to later extend its business to include goods which, although specifically different in some characteristics, are nevertheless of the same class and may be said to possess the same descriptive properties. In support see: *Boston Rubber Shoe Company* v. *Abramowitz*, 47 App. D. C. 199; 247 O. G. 247; 1918 C. D. 137; *California Packing Corporation* v. *Halferty*, 295 Fed. 229; 54 App. D. C. 88; 320 O. G. 700; 1924 C. D. 225; *Berghoff Brewing Association* v. *Popel Giller Co., Inc.*, 273 Fed. 328; 50 App. D. C. 364; 287 O. G. 405; 1921 C. D. 192; *Parsons Trading Co.* v. *Hoffman*, 177 N. Y. Supp. 713; 9 T. M. Rep. 387.
>
> Notwithstanding the distinctive differences between the synthetic resins of the opposer and the applicant in 1924, as far as the air-drying varnish trade is concerned, because of their relation and association, they do possess the same descriptive properties; they are derivatives of phenol and susceptible of the common definition "synthetic resins"; in regard to their relation and association in trade, it may be noted that resin is an essential element of varnish, and that prior to 1924, the date Reichhold entered the United States with a synthetic resin for air-drying varnishes, synthetic resins for the manufacture of artificial heat-drying varnishes had been substituted for natural resins in the manufacture of varnishes, so that it seems beyond doubt but that the synthetic resins made and sold by the opposer in 1924, and prior thereto, possess the same descriptive properties as the synthetic resin introduced by the applicant.

In view of our conclusion we see no necessity for discussing at any great length the question as to whether or not under the circumstances the opposer-appellee had the right to enter the field which had been entered by the applicant-appellant because, as the Commissioner has stated, it all depends upon whether the goods upon which the "Bakelite" trade-mark was used prior to 1924 were of the same descriptive properties as the goods upon which the "Beckacite" trade-mark was used. If they were, of course applicant-appellant is not entitled to registration, and it would follow that the opposer-appellee was privileged to enter the alleged restricted field which the applicant-appellant claims for itself.

[1] We agree with the finding of the tribunals that the goods sold by both parties at the time when the applicant-appellant entered the field were of the same descriptive properties. Opposer-appellee also sold synthetic phenolic resin manufactured into spirit varnishes. Both resins were made from phenol. Both resins were used for varnishes and the mere fact that the resins had different properties or that the ultimate product made from them was used in a slightly different way and sold, at that particular time, to different customers does not alter the situation. Varnish manufacturers to whom applicant-appellant sold its resins may wish to make and sell several kinds of varnishes. Trade practices change and the owner of a mark for use on condensation products of phenol should not be so hampered in its trade practices as to prevent it from improving its product or giving its said product certain new qualities. The goods of both parties are so closely related that they must be regarded as belonging to the same class for trade-mark registration purposes.

While applicant-appellant argues here that the trade-marks are not similar, we do not think there is any merit to such contention. The tribunals below gave very little consideration to this subject. The record shows that the witnesses in speaking of the two terms were confused and it is too obvious to admit of logical contention to the contrary that "Bakelite" and "Beckacite" have so many things in common, notwithstanding the alleged fanciful manner of writing the term "Beckacite", that the concurrent use of the two terms upon goods of the same descriptive properties would lead to such confusion as the trade-mark registration law was intended to prevent.

As to the origin of its mark applicant-appellant states in its brief that the trade-mark "Beckacite" and some of the other trade-marks involved in these appeals such as "B K C", "Beckolloid" and "Beck-O-Lac" are derived from the firm name Beck, Koller & Company, which originally had the trade-mark "B K C" and used it since 1868 in Berlin and Vienna, and that when Helmuth Reichhold, president of Beck, Koller & Company, Inc., introduced the goods into this country it used its marks so as to suggest the origin of the goods with Beck, Koller & Company, Inc., and that the company always tried to emphasize the term "Beck" which was the surname of one of the original owners of the business, and also in some of the marks to suggest the word "Koller". In discussing the similarity of the trade-marks hereinafter in Patent Appeal No. 3,818, further reference will be made to this phase of the case.

Another question was discussed in the briefs of both parties, which by reason of the above conclusion requires no attention here other than to state it. It is the contention of the opposer that the judgment against the applicant in opposition No. 9,592 which involved the same parties and the same marks is res adjudicata of the issue in the present opposition. This matter was discussed by the Examiner of Interferences and he held that in any consideration of the resemblances and differences found in the marks the decision in said opposition proceeding was stare decisis with him. The Commissioner gave no consideration to this question and there is no assignment of error presenting the question here. Moreover, if the question had been presented, it would not be necessary for us to decide it in view of our conclusion hereinbefore reached.

[2] Since we conclude that the goods upon which the mark "Beckacite" is used are of the same descriptive properties as the goods upon which opposer used its mark "Bakelite" prior to 1924 and subsequent thereto, and that the marks are confusingly similar when used upon goods of the same descriptive properties, it follows that the Commissioner correctly affirmed the decision of the Examiner of Interferences in sustaining the opposition of the opposer and refusing registration of applicant's mark and the decision of the Commissioner is affirmed.

Patent Appeal No. 3,817—Cancellation No. 2,591

This is the second of a series of appeals relating to opposition and cancellation proceedings which proceedings involve several different trade-marks.

[3] In the instant cancellation proceeding the Commissioner of Patents affirmed the decision of the Examiner of Interferences in granting the petition of the Bakelite Corporation for cancellation of appellant's Registered Trade-Mark 231,360, of August 16, 1927, "Beckacite" used for "dry, paste, and ready-mixed paints; varnishes, lacquers, in Class 16, Paints and painters' materials." The parties are the same, the testimony and exhibits are the same, and the issues are substantially the same as were present in the above-entitled Appeal No. 3,816, Opposition No. 12,545, supra. Both sides concede that the general principles applicable to this case were discussed at length in the briefs in that companion appeal, and the Commissioner in deciding the cancellation proceeding stated:

> It satisfactorily appears that the applicant for cancellation has used the notation "Bakelite" in trade on a phenol resin varnish as of a date long prior to any claimed by the respondent for use of the notation "Beckacite" on the goods stated.
>
> For substantially the reasons set forth in my decision today in the related Opposition No. 12,545, it is held that confusion in trade would be likely to result from the simultaneous use of the marks upon the goods of the respective parties here involved.
>
> Being convinced that the relief prayed for should be granted, the decision of the Examiner of Interferences is believed to be without error and is accordingly affirmed.

In view of our conclusion in Patent Appeal No. 3,816, supra, we are in agreement with the conclusion reached by the Commissioner and his decision is affirmed.

Patent Appeal No. 3,818—Cancellation No. 2,590

This is the third of a series of appeals in related opposition and cancellation proceedings involving a number of different trade-marks, some of which were registered and others of which registration was applied for.

This is a cancellation proceeding and the respondent-appellant, Beck, Koller & Company, Inc., has appealed here from a decision of the Commissioner of Patents affirming the decision of the Examiner of Interferences granting the petition for cancellation of the registered mark. The mark relied upon by the petitioner-appellee, Bakelite Corporation, as was stated by the Commissioner

"comprises a trefoil border enclosing the capital letter 'B' in the single upper lobe and the conventional sign of infinity in the two lower lobes."

This mark is registered in registration No. 199,128 of June 2, 1925, for "condensation products of phenols and formaldehyde, in Class 1, Raw or partly prepared materials" and in registration No. 206,013, of November 24, 1925, for "paint enamels, lacquers, and varnishes, in Class 16, Paints and painters' materials." In both registrations the letter "B" and the sign of infinity are large enough to almost completely fill the trefoil or clover leaf border.

The mark of the respondent-appellant, registration No. 230,009, of July 12, 1927, for "dry, paste, and ready-mixed paints, varnishes, lacquers, in Class 16, Paints and painters' materials" is described by the Commissioner as comprising

"a slightly ornate trefoil border having a single lobe lowermost and enclosing the capital letters 'B', 'K', and 'C', symmetrically arranged, each within one of the lobes of the trefoil."

The letters "B", "K", and "C", like the characters in appellee's mark are so arranged as to almost completely fill the trefoil figure.

The Commissioner said:

• • • For substantially the reasons set forth in my decision today in the related Opposition No. 12,545, it is held that the goods of the parties do possess the same descriptive properties and that priority of right has been established in the applicant, so that the question of likelihood of confusion in trade turns upon a consideration of the marks used by the parties.

• • • The similarity of the marks, if not obvious from this description, [quoted supra] is immediately apparent upon an inspection of the marks themselves. The letter "B" is prominently displayed in each mark, and the trefoil border, common to both marks, is similarly represented in each. I am persuaded that confusion in trade would be likely to result from the simultaneous use of the marks here involved upon the goods of the opposing parties. Any doubt on this issue must be resolved in favor of the prior user which is here the applicant for cancellation.

We are in agreement with the above finding of the Commissioner, and in accordance with our statement in the opinion in Appeal No. 3,816, supra, we wish to say that it seems to us that if the respondent in introducing its goods into this country wished to distinguish its goods from the goods of the petitioner-appellee, it would not have adopted a mark so similar to that of the latter. This mark is used in connection with the "Beckacite" mark and the adoption of the two marks under the circumstances shown by this record would not suggest that the newcomer sought to distinguish its goods from those of the appellee.

We are in agreement with the conclusion reached by the Commissioner of Patents and his decision is affirmed.

Patent Appeal No. 3,819—Opposition No. 12,580

This is the fourth of a series of appeals in opposition and cancellation proceedings which are closely related and involve certain trade-marks which are either registered or sought to be registered by Beck, Koller & Company, Inc.

In this instance, Beck, Koller & Company, Inc., is the applicant-appellant and seeks to register, in Class 6, Chemicals, medicines, and pharmaceutical preparations, over the opposition of the Bakelite Corporation, the opposer-appellee, a mark quite similar to, but differing in some respects from, the trefoil mark described in the last-above-decided appeal. The difference is that to the trefoil "B K C" mark is added at the lower right side thereof a representation of the terrestrial globe with the notation around it "World Wide Distribution." The mark of the Bakelite Corporation, opposer-appellee, is the trefoil mark described in the last above-decided appeal. The goods of applicant-appellant, upon which the mark is used, according to the application, are "synthetic resins, plastic synthetic resins and ester gums" and by amendment it is proposed to change the description to "soluble synthetic varnish and lacquer resins and ester gums."

In affirming the decision of the Examiner of Interferences, the Commissioner said:

The opposer relies upon its trade-mark registration No. 199,128, and, for substantially the reasons set forth in my decision today in the related Opposition No. 12,545, the goods of the parties are held to possess the same descriptive properties, whether the goods of the applicant be those described in the application as published or in the amendment filed February 8, 1933, in which it was proposed to change the description of the goods to "soluble synthetic varnish and lacquer resins and ester gums."

The marks here involved are only slightly more different than the marks which were considered in a companion proceeding in a decision of even date herewith, namely, Cancellation No. 2,590. The difference is caused by the addition to the mark involved in the companion case of a representation of a terrestrial globe with the notation "World Wide Distribution." Such an addition would tend to indicate "world wide distribution" rather than a difference of origin or ownership; and when the marks are considered in their entireties, as they must be, I am convinced that confusion in trade would be likely to result from the simultaneous use of the marks here involved upon the goods of the opposing parties.

The main issue of this case relating to the descriptive properties of the goods of the parties is decided in Appeal No. 3,816, supra. We are in agreement with the decision of the Commissioner to the effect that the marks being confusingly similar and the goods of the respective parties having the same descriptive properties, the opposition was properly sustained and registration properly denied, and his decision is affirmed.

Patent Appeal No. 3,820—Opposition No. 12,688

This is the fifth of a series of opposition and cancellation proceedings which involve trade-marks either registered or for which registration was sought by Beck, Koller & Company, Inc., applicant-appellant.

The Commissioner of Patents affirmed the decision of the Examiner of Interferences who sustained the opposition.

The marks involved herein are the same as those involved in the companion opposition proceeding, Appeal No. 3,819, last above-decided.

In the application as it is proposed to be amended, applicant-appellant seeks to register the trade-mark for "oil soluble plastic resins and solutions thereof in oils and mineral spirits used as painters' materials" in Class 16, Paints and painters' materials.

The Commissioner of Patents was of the opinion that, under the circumstances, the concurrent use of the marks in trade on the goods of the respective parties would be likely to result in confusion to the trade and said:

The applicant for cancellation [opposition] relies upon its trade-mark registration No. 206,013, and it satisfactorily appears that the applicant has used the mark disclosed therein in trade on a phenol resin varnish since a date long prior to any claimed by the respondent for use of its mark upon the goods stated. For substantially the reasons set forth in my decision today in the related Opposition No. 12,545, it is held that the goods of the parties do possess the same descriptive properties and that priority of right has been established in the applicant, so that the question of likelihood of confusion in trade turns upon a consideration of the marks used by the parties.

The decision of this case is controlled by our decision in Patent Appeal No. 3,816, supra, and in the last above-decided case. We are in agreement with the conclusion reached by the Commissioner of Patents and his decision is affirmed.

Patent Appeal No. 3,821—Cancellation No. 2,592

In this cancellation proceeding Beck, Koller & Company, Inc., has appealed from the decision of the Commissioner of Patents reversing the decision of the Examiner of Interferences who denied the petition for cancellation filed by the Bakelite Corporation. This is the sixth of a series of appeals involving trade-mark proceedings which were submitted upon a single testimonial record and involves several marks registered or sought to be registered by Beck, Koller & Company, Inc.

The mark sought to be cancelled is "Beckolloid" used for "paints, dry, paste, and ready mixed, as well as varnishes and lacquers, in Class 16, Paints and painters' materials", registration No. 258,623, of July 9, 1929. The Bakelite Corporation based its petition for cancellation upon its well-known trade-mark "Bakelite", registration No. 75,266 of September 14, 1909, for "condensation products of phenol and formaldehyde, in Class 6, Chemicals, medicines, and pharmaceutical preparations", and registration No. 210,522, of March 16, 1926, for "paint enamels, lacquers, and varnishes, in Class 16, Paints and painters' materials."

The Examiner of Interferences concluded that there was not sufficient similarity between the marks to bring about confusion in trade in event of their concurrent use and accordingly dismissed the petition for cancellation.

In reversing the decision of the Examiner of Interferences, the Commissioner said:

It satisfactorily appears that the applicant for cancellation has used the notation "Bakelite" in trade on a phenol resin varnish as of a date long prior to any claimed by the respondent for use of the notation "Beckolloid" on the goods stated, and for substantially the reasons set forth in my decision today in the related Opposition No. 12,545, it is held that the goods of the parties possess the same descriptive properties. This being so, the sole question here to be decided is whether the two notations are confusingly similar.

In my opinion the two words "Bakelite" and "Beckolloid" are confusingly similar. In meaning they have little, if any, significance and therefore similarity in meaning is of little or no importance. On the other hand, in sound the two words strike me as being very much the same. They have the same number of syllables and when pronounced in the perfectly normal way the only difference between the marks is found to reside in the suffixes. For all other practical purposes, so far as sound is concerned, the remaining portions of the marks might as well be identical. Even the suffixes comprise a single syllable beginning with the same letter, namely, "L". For this reason and in view of the similarity in appearance of the marks I am of the opinion that they are confusingly similar.

In view of our holding in Patent Appeal No. 3,816, supra, it is unnecessary for us to discuss the issue presented further than is indicated by our approval of the above-quoted part of the Commissioner's decision. We think that the Commissioner arrived at the right result for the right reasons and his decision is affirmed.

Patent Appeal No. 3,822—Opposition No. 12,582

This is the seventh of a series of appeals from the decision of the Commissioner of Patents relating to opposition or cancellation proceedings which involve different marks of the parties to this litigation.

In the instant case the Commissioner of Patents reversed the decision of the Examiner of Interferences which dismissed opposer-appellee's notice of opposition and adjudged that the applicant-appellant was entitled to the registration of the mark involved.

The mark of applicant-appellant, Beck, Koller & Company, Inc., which the Commissioner held not entitled to registration was the notation "Beckolloid" used, according to the application, for "synthetic resins, plastic synthetic resins and ester gums in Class 6, Chemicals, medicines, and pharmaceutical preparations." It was proposed to change the description to read: "soluble synthetic varnish and lacquer resins and ester gums."

The opposer-appellee relies upon its registered mark "Bakelite" No. 75,266, of September 14, 1909, for "condensation products of phenol and formaldehyde, in Class 6, Chemicals, medicines, and pharmaceutical preparations."

The case in the Patent Office turned on the question as to whether or not the terms "Beckolloid" and "Bakelite" were sufficiently similar as to lead to confusion when used upon goods of the same descriptive properties. The question of the same descriptive properties was not passed upon by the Examiner of Interferences and the Commissioner relied upon his reasons set out in Opposition No. 12,545, Patent Appeal No. 3,816. Since his reasons have been fully set out above, it is not necessary to discuss them here.

We agree with the Commissioner that the goods of the respective parties have the same descriptive properties and that the marks are confusingly similar and his decision is affirmed.

Patent Appeal No. 3,823—Opposition No. 12,584

This is the eighth of a series of appeals by Beck, Koller & Company from decisions of the Commissioner of Patents involving trade-mark oppositions or cancellation proceedings in connection with various marks used by the respective parties.

This is an opposition proceeding instituted by the Bakelite Corporation, the opposer-appellee, challenging the right to registration by the applicant-appellant of the trade-mark "Beck-O-Lac". According to the application, it is used on "dry, paste and

ready mixed paints, varnishes and lacquers, in Class 16, Paints and painters' materials." It is proposed to amend the description to read:

"solutions of soluble synthetic resins in oils and mineral spirits for use in the manufacture of paints, varnishes, and lacquers, but excluding paints, varnishes, lacquers, and like finished products."

The trade-mark relied upon by the Bakelite Corporation in this opposition proceeding is the mark "Bakelite", registration No. 210,522, of March 16, 1926, for "Paint enamels, lacquers, and varnishes, in Class 16, Paints and painters' materials."

As in the prior opposition case, Patent Appeal No. 3,822, the Examiner of Interferences concluded that the differences in the marks predominated over the similarities to such an extent that there was no likelihood of confusion whether the use of applicant-appellant's mark was as stated in the application or as proposed to be amended.

The Commissioner of Patents in reversing the decision of the Examiner of Interferences and in holding that the applicant-appellant was not entitled to registration said:

It satisfactorily appears that the opposer has used the notation "Bakelite" in trade on a phenol resin varnish as of a date long prior to any claimed by the applicant for use of the notation "Beck-O-Lac" on the goods stated. For substantially the reasons set forth in my decision today in the related Oppositions Nos. 12,545 and 12,581 the goods of the parties are held to possess the same descriptive properties. It is further held that the opposer has the right to oppose, whether the goods of the applicant be those described in the application as published or in the proposed amendment filed February 8, 1933, wherein it was proposed to change the description of the goods to read—"solutions of soluble synthetic resins in oils and mineral spirits for use in the manufacture of paints, varnishes, and lacquers, but excluding paints, varnishes, lacquers and like finished products—".

Furthermore, for substantially the same reasons set forth in my decision of even date in Cancellation No. 2,592, in which the marks involved are "Bakelite" and "Beckolloid", it is believed that the notations in the case at bar, namely: "Bakelite" and "Beck-O-Lac", are confusingly similar. They have the same number of syllables and when pronounced in the normal way the only substantial difference between the marks is found to reside in the suffixes. Even these comprise a single syllable beginning with the same letter, namely: "L", and when pronounced sound somewhat alike.

We think the issues in this case as to the goods being of the same descriptive properties is controlled by our decision in Patent Appeal No. 3,816, supra, and we agree with the Commissioner that "Bakelite" and "Beck-O-Lac" resemble each other so closely that there would be probability of confusion if they were concurrently used upon goods of the same descriptive properties, and that the mark "Beck-O-Lac" therefore should not be registered, and his decision is affirmed.

Patent Appeal No. 3,824—Opposition No. 12,581

This is the ninth and last of a series of appeals by Beck, Koller & Company, Inc., in which the Bakelite Corporation is the appellee, from the decision of the Commissioner of Patents, in either opposition or cancellation proceedings. In the instant opposition proceeding, the applicant-appellant sought to register the trade-mark "Beck-O-Lac" and in the application stated that it was to be used on "synthetic resins, in Class 6, Chemicals, medicines, and pharmaceutical preparations." Amendment was later offered to make the application read for "soluble synthetic varnish and lacquer resins."

The trade-mark "Bakelite", No. 75,266, of September 14, 1909, which formed the basis of the opposition by the opposer-appellee, was registered for use on "condensation products of phenol and formaldehyde, in Class 6, Chemicals, medicines, and pharmaceutical preparations."

The Examiner of Interferences concluded that the goods were of the same descriptive properties but that the marks "Beck-O-Lac" and "Bakelite" were so dissimilar that their concurrent use would not result in confusion, and he dismissed the notice of opposition and adjudged that the applicant was entitled to registration.

Upon appeal to the Commissioner, he too found that the goods of the parties possessed the same descriptive properties and stated that the sole question was whether the notations "Beck-O-Lac" and "Bakelite" were confusingly similar. He then referred to his decision in Opposition No. 12,584, Patent Appeal No. 3,823, in which decision he had held that the marks were confusingly similar and upon these findings reversed the decision of the Examiner of Interferences.

In view of our holding in Patent Appeals Nos. 3,816 and 3,823, it is not necessary for us to discuss the issue of this case. We agree with the decision of the Commissioner of Patents and the same is affirmed.

Agreeable to the above holdings, the decisions of the Commissioner of Patents in Patent Appeals 3,816 to 3,824, inclusive, are affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE FERRIS

No. 3,825. Decided June 21, 1937

[90 F.(2d) 363]

REISSUE—PATENTABILITY—CLAIMS BROADER THAN DISCLOSURE OF PATENT.

Certain claims in a reissue application for process of refining mineral oils reciting use of "a solvent" *Held* unpatentable for lack of supporting disclosure in applicant's patent where the only solvents disclosed therein were nitrobenzene and its equivalents belonging to the group of nitro compounds or mixtures.

APPEAL from the Patent Office. Affirmed.

Mr. T. Wallace Quinn, Mr. Theodore S. Kenyon, Mr. Edgar F. Baumgartner, and *Mr. William F. Stotz* for Ferris.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

BLAND, *J.:*

The Primary Examiner of the United States Patent Office rejected all the appealed claims in the appellant's application for the reissue of a Patent No. 1,788,569 of January 13, 1931, relating to refining viscous mineral oils. The first 18 claims of the patent stand allowed in the application. Upon appeal to the Board of Appeals, the decision of the Examiner was affirmed upon substantially the same grounds as those assigned by the Examiner. From the decision of the Board, appellant has here appealed.

The invention which is covered by the patent involves the use of aromatic nitro compounds as a selective solvent in the treatment of lubricating oils to produce fractions which differ therefrom in character in that one fraction is more paraffinic and the other more naphthenic than the original oil. Each of the patent claims calls for the use of nitrobenzene as a solvent but the specification of the patent states that this term is employed in a generic sense to include that material and equivalent aromatic nitro compounds or mixtures of them.

The purpose of the invention disclosed in the patent and of the invention which appellant claims in the appealed rejected claims is to obtain from an Appalachian crude oil and crude oils of the mixed base type from the Mid-Continent area an oil which may normally be obtained from the naphthenic oils from the Gulf Coast area. The claims also call for the production of an oil such as is normally obtained by distillation of Pennsylvania crudes. The original patent can hardly be said to teach that a paraffinic oil such as can be obtained from Pennsylvania oil may be obtained by the process recited.

Claims 19 to 37 were rejected by the tribunals as being broader than the disclosure in the patent since the rejected claims call for the use of a solvent broadly and are not limited to the use of aromatic nitro compounds. Claims 19, 20, 31, 32, 33, 34, 35, and 36 were additionally rejected as being directly anticipated by certain patents. Some of these patents disclose the use of aniline as a selective solvent for petroleum distillates. Others show that isopropyl alcohol or liquid sulfur dioxide are used for this purpose. It is stated by the Examiner that each of these solvents is known to possess selective solvent properties for the non-paraffinic type of hydrocarbons. Claims 21 to 31, and claim 37, were further rejected for failing to distinguish patentably from references which showed the use of selective solvents for separating the saturated from the unsaturated and aromatic constituents of mineral oils. Claims 19 to 37 were further rejected as failing to distinguish patentably from certain publications.

In view of our conclusion that we approve of the decision of the Board affirming that of the Examiner in rejecting the claims upon the ground that they are broader than the invention disclosed in appellant's patent and are based upon new matter, it will not be necessary for us to discuss the other grounds of rejection or to set out or discuss the references further than is above noted.

The appeal as to claim 31 was withdrawn in this court and therefore it is not before us for consideration.

Claim 19 was regarded as illustrative of the appealed claims by the Board and it follows:

19. In the art of refining viscous mineral oils, the process which comprises bringing a solvent into intimate contact with a viscous hydrocarbon oil of a quality other than that of a Pennsylvania type viscous oil, and containing paraffinic and naphthenic components, thereby to dissolve from the oil substantial amounts of its naphthenic components, thereafter removing the solvent plus the portion of the oil which dissolves therein from the portion of the oil which remains undissolved, thereby to produce an oil such as is normally obtained from Pennsylvania type crudes by distillation.

The Examiner has gone into a discussion of the original disclosure at great length which is summarized as follows by the Board:

• • • The Examiner calls attention to certain portions of the specification which in his opinion involve new matter.

The invention disclosed in the patent relates to the use of an aromatic nitro compound as a selective solvent in the treatment of lubricating oils to produce fractions which differ therefrom in character in that one fraction is more paraffinic and the other more naphthenic than the original oil. Each of the claims of the patent specifies nitrobenzene as the solvent but the specification of the patent states that this term is employed in a generic sense to include that material and equivalent aromatic nitro compounds or mixtures of them. The patent further discloses that it is possible to produce an oil of the quality normally obtained from Appalachian crudes, from crudes of the mixed base type from the Mid-Continent area and conversely to obtain oils from mixed base crudes such as are normally obtained from the naphthenic oils from the Gulf Coast area. It does not, however, fairly teach that paraffinic oils equivalent to Pennsylvania oils may be obtained from any source whatsoever.

The specific data incorporated in the specification relating to viscosity-gravity constant may serve conveniently applicant's purpose of drafting shorter claims by reference to the constant values included in some of the claims, but we are constrained to agree with the Examiner that this disclosure goes beyond what may properly be introduced by the way of mere explanation in the reissue application without involving new matter. There is no suggestion in the patent that solvents other than those in the class mentioned therein would be suitable for applicant's purpose and accordingly the appealed claims not only involve new matter in a reissue in the sense that they are not for the same invention claimed or indicated in the patent as intended to be claimed, but they are broader than the disclosure in the patent to Ferris warrants.

It will be noticed that the claims call broadly for the step of bringing a solvent into intimate contact with the oil without mentioning the particular solvent employed. It seems to us that appellant's invention as taught in the patent was the use of nitrobenzene or its equivalent belonging to the group of nitro compounds or mixtures, and that appellant now seeks to acquire a patent with claims which involve the use of any kind of solvent which would do the work regardless of whether or not it is of the type disclosed. The appealed claims themselves are so broad in calling for a solvent as to amount to asking a monopoly on treating oils for the purposes stated with any material which has a solvent characteristic. The claims are really so broad that they state only the desired result and say that it can be done with a solvent.

We agree with the tribunals that this broad alleged invention was not disclosed in the patent and that the insertion in the specification of the matter pointed out by the Examiner, but too lengthy to quote here, which was inserted into the specification in the reissue application, was more than an explanation or amplification of his original invention and was more than a mere variance in the description of the material found therein. It must be remembered that the disclosure contemplated the use as a solvent of only aromatic nitro compounds or mixtures of them, and the claims specifically call for only one of such type—nitrobenzene. There was no suggestion in the patent that any other kind of solvent might be used. We are in agreement with the tribunals that the appellant is not entitled to broaden the field of the solvents beyond those disclosed or their equivalents. It is not contended by appellant, as we understand

his position, that he is claiming here merely the equivalents of those disclosed, but it is his contention in substance that he disclosed the use of a solvent for the particular purposes stated and that he is entitled to broadly claim all solvents that will do the work.

In equity the law is well settled

"that an inventor is entitled to a range of equivalents commensurate with the scope of his invention."

Walker on Patents (Sixth Edition) §416. As to whether or not a patent may reissue for the purpose of claiming known equivalents we are not called upon to decide nor do we think it necessary to enter into a lengthy discussion of the law as to what constitutes known equivalents in a case like the one at bar. It is interesting, however, to note that in Walker, supra, §399, is found the following:

• • • Precisely what constitutes equivalency, as between acts, has never been decided or stated by the Supreme Court. Reason seems to indicate that one act is the equivalent of another when it works in substantially the same way to accomplish the same result. Accordingly, it has been held that damping oil wells with benzine is equivalent to damping them with water in respect of the series of acts which constitute the process covered by the Roberts torpedo patent. [Citing *Roberts* v. *Roter*, 5 Fisher 296 (1872).]

Concerning what claims may be allowed in a reissue patent the following statement from Robinson on Patents, Vol. II, §673, is quite pertinent:

• • • A patent for a specific invention cannot reissue to embrace the generic, for these are not only distinct inventions, but as the genus covers all possible species, the re-issue would indefinitely extend the scope of the original patent beyond the invention which it first attempted to protect. • • •

In support of the above-quoted language *Ex parte Waters* (1875), 8 O. G. 399, is cited.

Appellant's argument here with reference to his right to claim broadly a solvent to be used as the claim calls for may be summed up in the following language quoted from his brief:

Under the law, the applicant was entitled to make claims as broad as his invention. Actually there are two aspects of the invention and in the original patent Ferris claimed only one.

The aspect which he originally claimed, and to which the Patent Office still limits him, is the treatment of oil containing naphthenic and paraffinic hydrocarbons with nitrobenzene. He has claimed that broadly and without limitation to the sources of crude or to the kind of change—change in type—in the fractions produced.

• • •

But all of these allowed claims are limited to the use of "nitrobenzene" as expressive of the particular group of solvents specified in the patent.

Unless by law Ferris is limited to that definition of solvents, and we propose to show now that he is not, he is also entitled to claim his solvent more broadly provided his new claims clearly define the essential properties of the solvent and the resulting change in type or kind of the fraction produced.

The difficulty with th's position is that the appealed claims describe the characteristics of the solvent only in terms which amount to the result of its use or the solution of the problem, while in his original disclosure he definitely stated what particular type of solvent did the work.

Again, appellant in his brief states:

If the original claims were not so plainly limited, they might well be broadly construed to include equivalent solvents which are now being used by some refiners to achieve precisely the same new result by the same new mode of operation. But correction of the mistake by reissue is a fairer and more certain remedy both to the patentee and the public than that of awaiting judicial construction. And in circumstances such as here presented, it is a remedy, we submit, which should be liberally applied.

The Solicitor for the Patent Office in answer to this statement, states that of course appellant having named more than one solvent in his original application should not be limited in his patent protection to but one solvent and then argues:

• • • However, assuming that appellant might have been entitled in his original patent to claims which were broad enough to include all the solvents which he disclosed and their equivalents and assuming further, merely for the purpose of argument, that appellant might reissue his patent to secure claims broad enough to include all the originally mentioned solvents and their equivalents, it does not follow that appellant is entitled to the appealed claims.

The Solicitor then points out that appellant has broadened his claims to the extent that the Examiner has held in the instant case that they include solvents which were not originally taught by appellant and when so broadened do not avoid the prior art references.

The appeal as to claim 31 is dismissed. After carefully considering appellant's two briefs and his argument before us, we are not convinced that the Board was in error in affirming the Examiner in rejecting the claims before us upon the ground which we have hereinbefore approved, and its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

ARTHUR I. FALLS

v.

THE SCHOLL MFG. CO., INC.

No. 3,803. Decided June 21, 1937

[90 F.(2d) 499]

1. TRADE-MARKS—OPPOSITION—CONFUSING SIMILARITY—"NO-VEX" AND "SOLVEX".

Registration of trade-mark "No-Vex" applied to ointment for treatment of skin disorders, *Held* properly refused as being confusingly similar to opposer's previously registered mark in which term "Solvex" is the predominant feature when used on goods having same descriptive properties.

2. SAME—SAME—REGISTRATIONS BY OTHERS THAN THE PARTIES NOT CONSIDERED.

"This court has repeatedly held that, in opposition proceedings, registrations of trade-marks by others, not parties to the proceedings, will not be considered."

3. SAME—SAME—PATENT OFFICE NOT CONFINED TO ISSUES RAISED BY PARTIES.

"It is well settled that, in opposition proceedings, the tribunals of the Patent Office are not confined to the issues raised by the parties, but may dispose of any question relating to the proposed registration that might properly be considered in an ex parte case."

APPEAL from the Patent Office. Affirmed.

Mr. Clarence A. O'Brien, Mr. Charles E. A. Smith, Mr. Thomas E. Turpin, Mr. George C. Baldt, and *Mr. Joseph A. O'Connell* for Falls Chemical Company.

Mr. Stephen J. Cox for The Scholl Mfg. Co., Inc.

HATFIELD, *J.*:

This is an appeal in a trade-mark opposition proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Trade-Mark Interferences holding that appellant was not entitled to the registration of the trade-mark "No-Vex" for use on an ointment for treating "athlete's foot, ringworm, dandruff, and scalp and skin disorders."

In his application for registration, filed April 17, 1934, appellant alleged that he had used his trade-mark "No-Vex" since October 15, 1930.

In its notice of opposition appellee alleged that it was the owner of the trade-mark "Solvex" for use on a preparation—an ointment—for the treatment of "gym or athlete's foot, golfer's itch, epidermophytosis (ringworm), eczema of the feet and itching toes and feet, and for other skin disorders of the feet"; that it had used its trade-mark on its goods "during the interval between 1924 and October 15, 1930, and particularly since March 1, 1930"; that it had advertised and sold its goods under its trade-mark "Solvex" throughout the United States; and that its trade-mark and its goods have become well and favorably known to the consuming public. Appellee further alleged that it was the owner of trade-mark registration No. 192,076, registered November 25, 1924, on an application filed June 27, 1924, for the trade-mark "Solvex" for use on ointments and other pharmaceutical preparations for the treatment of corns; that appellant's trade-mark "No-Vex" is so similar to appellee's trade-mark "Solvex" that confusion in trade would be likely to result by the concurrent use by the parties of their respective trade-marks; and that appellee would, therefore, be damaged by the registration of appellant's mark.

In his answer to the notice of opposition, appellant denied that appellee would be damaged by the registration of appellant's mark, and, with reference to appellee's alleged ownership of trade-mark registration No. 192,076 of the trade-mark "Solvex", stated:

Answering paragraph 3 of the amended grounds for opposition, respondent denies the right of opposer raised by presumption through the registration of the trade-mark pleaded in said paragraph, or others, and requires strict proof of the adoption, continuity of use and ownership of the trade-mark covered by said registration in opposer.

The Examiner of Trade-Mark Interferences reviewed the record in the case, and concluded that appellant had failed to establish that he had used his trade-mark on his goods prior to September, 1931, and that appellee had established use of its mark on its goods as early as March or April, 1930.

Relative to the issue of confusing similarity of the marks here involved, the Examiner said:

As to whether opposer's mark is in fact "Solvex" or "Dr. Scholls Solvex" opposer's record is deemed to show that in connection with the products actually sold by the opposer to [the] name "Dr. Scholls" is always associated with the notation "Solvex". However, a mere inspection of opposer's cartons, as for example Exhibit 16, seems to show that "Solvex" is the dominating feature of the mark. This conclusion is based upon the fact that "Solvex" is displayed in somewhat larger type than the name "Dr. Scholls" and also upon the fact that "Solvex" is featured against a contrasting background partially enclosed by a heavy line. Added to these facts discernible from a mere inspection of opposer's cartons is the testimony of opposer's witnesses. This shows that opposer's product is known and not uncommonly ordered as "Solvex" without reference to the name "Dr. Scholls".

• • • • • • •

The differences and also the resemblances between "No-Vex" and "Solvex" as used by the parties in connection with their respective ointments are obvious from mere inspection. It is believed that either "No-Vex" or "Solvex" to the average purchaser would be merely a coined word. Coined marks are often difficult to remember. In view of the resemblances found to exist between the marks the Examiner is persuaded that there is at least reasonable doubt upon the question of likelihood of confusion in trade. The practice requires that such doubt be resolved in favor of the prior user.

and, accordingly, held that appellant was not entitled to the registration of his trade-mark.

In his decision, the Commissioner of Patents held that appellee failed to establish that it was the owner of trade-mark registration No. 192,076 for the word "Solvex", as alleged in its notice of opposition; that its trade-mark appeared to be the word "Solvex" in immediate association with the name "Dr. Scholl's"; that he was inclined to believe that appellee's trade-mark consisted of the words "Dr. Scholl's Solvex"; and that appellee had established use of its trade-mark on its goods as early as May, 1930. The Commissioner further held that appellant's mark "No-Vex" and the word "Solvex" in appellant's mark were "printed in letters of about the same size, and of somewhat similar style"; that the word "Solvex", in appellee's mark, was printed in somewhat larger type than the name "Dr. Scholl's"; that, when spoken, the name "Dr. Scholl's" would clearly distinguish appellee's product from that of appellant; that it was not only likely, but that it appeared from the evidence of record, that some purchasers would ask for "Solvex" without using the name "Dr. Scholl's"; that the terms "Solvex" and "No-Vex" were so nearly alike both in sound and in appearance that the addition of the name "Dr. Scholl's" to appellee's mark was not sufficient to overcome the probability of confusion, which would clearly be present if the trade-marks of the parties were "Solvex" on the one hand, and "No-Vex" on the other; that appellant had not established use of his trade-mark on his goods prior to the fall of 1931, and, accordingly, affirmed the decision of the Examiner of Trade-Mark Interferences holding that appellant was not entitled to register his mark.

The Commissioner further stated in an ex parte disposition of the case that, although appellee had not established that it was the owner of registration No. 192,076, such registration was a complete bar to the registration of appellant's mark.

In explanation of his ex parte decision, the Commissioner stated that the registered trade-mark "Solvex" and appellant's trade-mark "No-Vex" were printed in identical type; that they were used on goods of the same descriptive properties; and that the trade-mark "No-Vex" was confusingly similar with the trade-mark "Solvex".

Thereupon, after affirming the decision of the Examiner of Trade-Mark Interferences on the issues presented by the notice of opposition, the Commissioner held that

"regardless of the rights of the opposer, it is further adjudged that applicant [appellant] is not entitled to the registration applied for."

We think it clearly appears from the evidence of record that appellee's trade-mark consists of the name "Dr. Scholl's" and the coined word "Solvex", with the name "Dr. Scholl's" appearing immediately above the word "Solvex".

The Examiner of Trade-Mark Interferences stated

that the word "Solvex" is "featured against a contrasting background partially enclosed by a heavy line."

That the word "Solvex" is so featured, cannot be questioned. It appears on a blue background of oval-shape design, which is partially surrounded by a black line. The name "Dr. Scholl's" is immediately above the word "Solvex" in somewhat smaller type, and it, together with the other printed matter on the labels, appears on a yellow background.

It appears from the testimony of some of appellant's witnesses, who are druggists, that a request for "Solvex" would indicate to them and to their employees that the purchaser wanted the product of appellee, and that appellee's product is called "Solvex" by purchasers. One of appellant's witnesses, a wholesale druggist, stated that the term "Solvex" indicated origin of the goods in The Scholl Mfg. Co., Inc., appellee.

It appears from Exhibits 26 and 27 that appellee's product was ordered by at least two concerns by the term "Solvex", although one of them spelled it "Salvex", and was invoiced and sold to them under that term. Whether it is always sold by appellee under that term, or how frequently it is so sold, does not appear of record.

The goods of the parties possess the same descriptive properties, and, so far as the evidence of record is concerned, are identical in character. They are sold in the same stores, and to the same class of people.

In view of the evidence or record and the prominence given the term "Solvex" on appellee's labels, we are of opinion that the term "Solvex" is the predominant feature of appellee's trade-mark.

[1] We are in agreement with the tribunals of the Patent Office that the terms "Solvex" and "No-Vex", when used on the goods of the respective parties, are confusingly similar, and that, as the term "Solvex" is the predominant feature of appellee's mark, there would be likelihood of confusion in the trade if the marks of the parties were used concurrently on their goods.

It clearly appears from the record that appellee used its mark on its goods in interstate commerce as early as March or April, 1930. The record fails to establish, however, as held by the Patent Office tribunals, that appellant used his trade-mark on his goods prior to September, 1931. We conclude, therefore, that the tribunals of the Patent Office were not in error in sustaining appellee's opposition to the registration of appellant's trade-mark.

As the terms "Solvex" and "No-Vex", when used on goods of the same descriptive properties, would be likely to cause confusion in the mind of the purchasing public, we are in entire agreement with the Commissioner's holding ex parte that, in view of the registration hereinbefore referred to of the trade-mark "Solvex", appellant is not entitled to the registration of his trade-mark.

[2] This court has repeatedly held that, in opposition proceedings, registrations of trade-marks by others, not parties to the proceedings, will not be considered. See *Sharp & Dohme* v. *Parke, Davis & Co.*, 17 C. C. P. A. (Patents) 842, 37 F.(2d) 960, 394 O. G. 545; *American Fruit Growers, Inc.*, v. *Michigan Fruit Growers, Inc.*, 17 C. C. P. A. (Patents) 906, 38 F.(2d) 696, 393 O. G. 789; *California Packing Corporation* v. *Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 40 F.(2d) 108, 394 O. G. 789; *Standard Oil Co. (New Jersey)* v. *Clarence W. Epley*, 17 C. C. P. A. (Patents) 1224, 40 F.(2d) 997, 398 O. G. 547.

[3] It is well settled that, in opposition proceedings, the tribunals of the Patent Office are not confined to the issues raised by the parties, but may dispose of any question relating to the proposed registration that might properly be considered in an ex parte case. See *Quaker State Oil Refining Co.* v. *Wolverine-Empire Refining Co.*, 23 C. C. P. A. (Patents) 827, 81 F.(2d) 245, 465 O. G. 244, and cases therein cited.

For the reasons stated, the decision of the Commissioner of Patents is affirmed.

Affirmed.

GARRETT, *J.*, concurs in the conclusion solely upon the ex parte ground.

LENROOT, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

I. & B. COHEN, BOMZON & CO., INC.

v.

BILTMORE INDUSTRIES, INCORPORATED

No. 3,811. Decided June 21, 1937

[90 F.(2d) 369]

1. TRADE-MARKS—CANCELLATION PROCEEDINGS—RES ADJUDICATA.

   Issue raised in trade-mark cancellation proceeding *Held* to be same as issue in a previous opposition proceeding in which opposition was sustained, and the issue therefore *Held* res adjudicata.

2. SAME—SAME—SAME.

   Where registration of a trade-mark was denied under the statutory provision as to names of individuals, firms, or corporations, the effect of the decision as res judicata in subsequent cancellation proceeding based on the same provision was not destroyed by the subsequent denial of registration of the same mark by the adverse party on the ground that it had not established a trade-mark use and that the mark was geographical.

3. SAME—SAME—EQUITY SUIT PENDING—EFFECT OF.

   Petitioner for cancellation of the registration of a trade-mark *Held* to have the right to bring the petition notwithstanding that petitioner's right to the registration of the mark is pending in another court.

APPEAL from the Patent Office. Affirmed.

Mr. Asher Blum and *Mr. Charles R. Allen* for I. & B. Cohen, Bomzon & Co., Inc.

Mr. Arthur F. Durand and *Mr. Charles S. Grindle* for Biltmore Industries, Incorporated.

HATFIELD, *J.*:

This is an appeal in a trade-mark cancellation proceeding from the decision of the Commissioner of Patents affirming the decision of the Examiner of Trade-Mark Interferences sustaining the petition of appellee for the cancellation of appellant's registered trade-mark "Biltmore" for use on men's worsted suits and overcoats.

The mark in question consists of the word "Biltmore" printed in script and enclosed in an ellipse. It was registered by appellant's predecessor—registration No. 120,552, issued February 19, 1918, on an application filed September 20, 1917.

The question involved is concisely stated in the Commissioner's decision as follows:

> Biltmore Industries, Incorporated, petitioned for the cancellation of trade-mark registration No. 120,552, issued February 19, 1918, to the assignor of I. & B. Cohen & Company. From an adverse decision of the Examiner of Trade-Mark Interferences the registrant appeals.
>
> The trade-mark involved is the word "Biltmore" applied to men's clothing. It has been the subject of two opposition proceedings between these same parties. In the first of them an application of the appellant here was successfully opposed by the appellee, and in the second appellant's opposition to an application filed by appellee was sustained. The decision to be reviewed in the instant case holds that the judgment in the first opposition proceeding is res judicata of the single issue here raised, and the correctness of that holding is the only question to be determined on appeal.

The sole contention raised by appellee's petition for cancellation is that, because of the decision of the Commissioner in opposition No. 11,528, wherein appellant here was the applicant and appellee the opposer, the right of appellee to cancellation of appellant's mark has become res adjudicata.

The record in the opposition proceeding was made a part of the record herein.

It appears from the record before us that there was a second opposition proceeding, No. 12,190, between the parties here involved, wherein appellant opposed appellee's application for the registration of the mark "Biltmore" for use on wool fabrics. In that proceeding, the Examiner of Trade-Mark Interferences and the Commissioner of Patents held that the opposition should be sustained and the application for registration rejected.

It is stated in the briefs of both parties that the applicant in opposition No. 12,190—appellee in the case at bar—has filed a bill in equity under §4915, Revised Statutes, for the registration of its mark, which suit has not yet been determined.

The Commissioner in his decision herein, referring to opposition No. 11,528, stated:

> One of the grounds of that opposition was that the applicant had appropriated the predominant word of opposer's name and that of its predecessors, and that was the sole ground on which the Examiner of Trade-Mark Interferences sustained the opposition. An appeal was taken to the then Commissioner of Patents, who, in affirming the Examiner, used the following language:
>
> "The opposer has pleaded and the Examiner has rested his decision largely upon that portion of the statute, Sec. 5 of the 1905 act, which forbids registration of a mark 'which consists merely in the name of an individual, firm, corporation, or association' save under certain conditions not present here. The opposer incorporated long after the adoption and use by the applicant of the mark here under consideration. It should be noted the statute does not limit the prohibition to corporations but includes a firm or an association. It would seem that prior to applicant's entry into the field there existed an association engaged in commerce that was using 'Biltmore' as part of its name. Considering the statute in connection with its interpretation by the United States Supreme Court in the case of *American Steel Foundries* v. *Robertson, Commissioner of Patents, and Simplex Electric Heating Company*, 342 O. G. 711, 269 U. S. 372, it is at once apparent the applicant is not seeking registration of the entire name of the opposer, either corporation or association. It must be considered therefore whether the facts of this particular case support the view that registration by applicant would be calculated to deceive or confuse the public to the injury of opposer. The applicant has shown, and such circumstances were taken note of by the Supreme Court in the above referred to case, that there were other firms or corporations in existence prior to that of the opposer having the word 'Biltmore' as part of the name and has argued that, in consequence, this word does not indicate to the public the opposer company, association or corporation. It is believed however that when used in connection with goods so similar to those upon which the applicant uses the word there would be some probability of confusion in the mind of the public and that for this reason registration should be denied the applicant."
>
> Appellant now argues that the foregoing was mere dictum, and that the real basis of the decision was the expressed opinion of the Commissioner that appellee's use of the word "Biltmore" in its advertising was sufficient to warrant a judgment in its favor. In this connection he said:
>
> "It is deemed • • • proper to hold that the opposer's fabric was generally known to the public and was advertised and sold by the opposer's predecessors in connection with the name 'Biltmore Homespun' for some years prior to the date the applicant began the use of its mark. While the Examiner of Interferences was unable to find evidence that the word 'Biltmore' was used at this time as a trade-mark yet this would seem to be immaterial. The word was used in a descriptive sense as indicating the geographical location of the place where the goods were produced. It is clear enough this use is sufficient to support the claim of damage to the opposer by the registration of this word as a trade-mark by applicant."
>
> While it thus appears that the Commissioner disagreed with the Examiner's ruling on this branch of the case, the fact remains that the point was not before him for decision. As previously noted the Examiner had sustained the opposition squarely and solely upon the so-called name clause of the statute, expressly ruling against the opposer on all other grounds set up in the notice. It was from that decision that the appeal was taken and that was the decision affirmed by the Commissioner. If there was any dictum in the decision on appeal I think it pertained to the effect of the applicant's use in advertising of the word "Biltmore," rather than to the question involved in the present proceeding.
>
> No appeal was taken from the Commissioner's decision, and the suggestion now made that it was erroneous is of course not to be considered. Even though I may disagree with both the reasoning and the conclusions therein set forth, that would in no manner alter the legal effect of the adjudication. According to my understanding the doctrine of res judicata permits of no inquiry into the correctness of a final judgment properly pleaded as an estoppel.
>
> I think the case before me is conclusively controlled by the decision of the Court of Customs and Patent Appeals in *Panhard Oil Corporation* v. *Societe Anonyme Des Anciens Etablissements Panhard & Levassor*, 39 Fed.(2d) 496, where the essential facts considered were substantially the same as those here involved.
>
> Appellant's counsel have devoted considerable discussion to the judgment in the second opposition proceeding above referred to, which they contend conflicts with and hence neutralizes that rendered in the first. Their position in this regard is in my opinion clearly untenable. That case involved only the right of Biltmore Industries, Incorporated, to register the mark in issue. For various reasons such registration was refused. One of those reasons was that it had failed to show a trade-mark use of the word "Biltmore." Another was that the word is geographical. The decision was in no way predicated upon use or lack of use of the word as a name; nor can I perceive how the question could have been material in that proceeding.

We have quoted thus extensively from the Commissioner's decision for the reason that it is appellant's contention that the issue in this cancellation proceeding is not the same as in opposition No. 11,528.

[1] Counsel for appellant here contends that the decision of the Commissioner of Patents in opposition No. 11,528 was not based upon that portion of section 5 of the Trade-Mark Act of February 20, 1905, which forbids the registration of a trade-mark

> "which consists merely in the name of an individual, firm, corporation, or association not written, printed, impressed, or woven in some particular or distinctive manner,"

and that there was no prior adjudication of the issue involved in this cancellation. We think it is sufficient to say that we have examined the record with care and agree with the Commissioner that the issue decided in opposition No. 11,528 was based upon the quoted provisions of the statute, and that

the issue in the case at bar is the same as in that case.

[2] Counsel for appellant further contends that

"If an estoppel was created by the first opposition No. 11,528, said estoppel was cancelled by the judgment in the second opposition No. 12,190."

In support of that proposition, counsel has cited the cases of *Branson* v. *Wirth*, 84 U. S. 32, 42; *Shaw* v. *Broadbent*, 129 N. Y. 114, 125.

We have examined the decision of the Commissioner of Patents in opposition No. 12,190—*I. & B. Cohen, Bomzon & Co., Inc.*, v. *Biltmore Industries, Incorporated*, 22 U. S. Pat. Q. 257 It was there held that Biltmore Industries, Incorporated, had failed to establish a trade-mark use of the mark "Biltmore"; that the mark was merely geographical, and, therefore, Biltmore Industries, Incorporated—appellee in the case at bar—was not entitled to register it. The so-called name clause of section 5, hereinbefore quoted, was not in issue in that case. Accordingly, the decision therein has no bearing on the issue in the case at bar.

It clearly appears from the evidence of record in the case at bar, which includes the record in opposition No. 11,528, that appellee's predecessors manufactured and sold wool fabrics—"Biltmore Homespuns"—long prior to the filing date, September 20, 1917, of appellant's predecessor's application for the registration of the trade-mark "Biltmore", issued February 19, 1918, registration No. 120,552; that such products were manufactured and sold originally under the name "Biltmore Estate Industries"; that, in 1917, one Seely, who at that time was president of Grove Park Inn, Inc., purchased the Biltmore Estate Industries, and, at the time of the purchase, agreed to carry on the business in the name of Biltmore Industries; that he carried out the terms of that contract, and manufactured and sold the goods under the name of Biltmore Industries. Thereafter, in 1928, Grove Park Inn, Inc., had its name changed to Biltmore Industries, Incorporated, and has manufactured and sold the products here involved under its corporate name. It appears, therefore, as stated by the Commissioner of Patents in his decision in opposition No. 11,528, that long prior to the filing of the application, September 20, 1917, for the registration here involved, appellee's product had been continuously manufactured and sold by Biltmore Estate Industries, and Biltmore Industries.

It is argued by counsel for appellant that, at the time the predecessor of appellant began to use the trade-mark "Biltmore", September 20, 1917, the predecessor of appellee was manufacturing and selling appellee's goods under the name Grove Park Inn, Inc.

It may be that Biltmore Industries was owned by Grove Park Inn, Inc. Nevertheless, appellee's goods were manufactured and sold by Biltmore Industries, and were never sold nor advertised for sale under the name Grove Park Inn, Inc.

[3] The right of appellee to the registration of the term "Biltmore" is now pending in another court. That issue not being before us, we, of course, make no comment with regard thereto. Regardless of how the issues in that case may be decided, we are of opinion that appellee had a right to bring the involved petition for cancellation, by virtue of the quoted provisions of section 5 of the Trade-Mark Act of February 20, 1905, and section 13 of that act. See *United Shoe Mach. Corp.* v. *Compo Shoe Mach. Corp.*, 19 C. C. P. A. (Patents) 1009, 1014, 56 F.(2d) 292, 421 O. G. 4.

We are of opinion, therefore, that the issue decided against appellant in opposition No. 11,528 and the issue before us in this proceeding are the same, and that the decision in the former case is res adjudicata of the issue here involved. See *Williams Oil-O-Matic Heating Corporation* v. *The Butler Co.*, 17 C. C. P. A. (Patents) 934, 39 F.(2d) 693, 396 O. G. 519; *Panhard Oil Corp.* v. *S. A. Anciens Estab. Panhard & Levassor*, 17 C. C. P. A. (Patents) 971, 39 F.(2d) 496, 396 O. G. 881; *American Fruit Growers (Inc.)* v. *John Breadland, Ltd.*, 18 C. C. P. A. (Patents) 790, 45 F.(2d) 443, 403 O. G. 249.

We are of opinion that the Commissioner of Patents reached the right conclusion, and his decision is affirmed.

Affirmed.

LENROOT, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

DIRKES, KIMBALL & LONG

v.

POTTS

No. 3,722. Decided June 7, 1937

[90 F.(2d) 120]

INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.

Record reviewed and *Held* that P. has a right to make the claims in issue and priority properly awarded to him.

APPEAL from the Patent Office. Affirmed.

Mr. Eugene C. Brown for Dirkes, Kimball & Long.

Mr. J. W. Schmied for Potts.

GARRETT, *J.*:

This is stated in the brief for appellants to be one of a series of interferences declared in the United States Patent Office in which a reissue application of the party Potts is involved. Another of the series is the case of *Duerr et al.* v. *Potts* (Suit No. 3710), decided by this court May 29, 1937, 24 C. C. P. A. (Patents) —, 90 F.(2d) 117. As will be seen from an examination of our decision in that case, the issue here is entirely different from the issue there decided, but, by stipulation of counsel, certain parts of the record in this case were not printed, because they appeared in the record filed in that case, and, with respect to those parts, it has been necessary to resort to that record. None other of the series has reached the stage for hearing before us.

On April 16, 1929, Patent No. 1,708,054 was issued to Potts upon an application filed September 17, 1925. On April 21, 1931, Patent No. 1,802,240 was issued to Dirkes et al. upon an application filed August 18, 1928. On April 10, 1931, Potts filed application, Serial No. 529,268, for the reissue of his above named patent, and, at some time subsequent to the issuance of the patent to Dirkes et al., copied therefrom the three claims which correspond to the counts at issue. The interference was declared April 13, 1933. In due course Dirkes et al. moved to dissolve, alleging that Potts had no right to make the claims. The motion to dissolve was denied by the Examiner of Interferences, and, later, judgment upon the record was entered awarding priority to Potts. Upon appeal to the Board of Appeals that tribunal affirmed the decision of the Examiner of Interferences, and Dirkes et al. bring the case to us for review.

The three counts at issue read:

Count 1. In a telegraph system, a multiplex transmission circuit in which the signals transmitted comprise equal-impulse code combinations, a distributor for separating the successive combinations into separate channels, means in each channel for storing the received combinations, a simplex printer for each channel, means controlled by the distributor for producing start impulses for the printers after each combination stored, means associated with the distributor for supplying the stored combinations to the printers, and means controlled by the distributor for transmitting a rest impulse to each printer after the transmission of each combination.

Count 2. In a telegraph system, a multiplex transmission circuit in which signals for the different channels are transmitted in rotation, a receiving distributor for separating the signals into separate channels, means in each channel for storing the received signal, a simplex printer for each channel, means including said distributor for transmitting a start impulse to each printer after a signal is stored, and means including said storing means for preventing the transmission of the starting impulse when no signal is received.

Count 3. In a telegraph system, a multiplex transmission circuit in which the signals transmitted comprise equal-impulse code combinations, a receiving distributor for separating the successive combinations into separate channels, a simplex printer for each channel, and local means including said distributor for generating start and rest impulses for each printer.

To the lay mind the devices of both parties seem exceedingly complicated. Fortunately, however, there appears to be no necessity for an elaborate or particularly detailed description of them in their entirety, since the issue before us is limited to a specific feature, or features. The following general statement is taken from the decision of the Board:

The subject matter relates to a telegraph system in which there is a multiplex transmission circuit for transmitting signals in code combinations. The structure comprises a distributor for separating the successive combinations into different channels, means in each channel for storing the received combinations, a simplex printer for each channel, means controlled by the distributor for producing start impulses for the printer and for transmitting rest impulses to the printers, and means associated with the distributor for supplying the stored combinations to the printers.

The limitations in the respective counts emphasized before us by counsel for appellants are (the italics being as used in the brief): First, that limitation in count 1, requiring "means controlled by the distributor for *transmitting* a rest *impulse* to each printer"; second, that limitation in count 2, requiring

"means including said storing means for preventing the transmission of the starting impulse when no signal is received,"

and, third, that limitation in count 3, requiring means "for generating start and rest impulses" which the brief paraphrases, "*generating* start *impulses* and rest *impulses*."

The gist of the argument by appellants' counsel is that the limitations so emphasized had definite meanings, which meanings were expressed in appellants' application, and that the limitations must be construed in the light of their application.

It is the well settled rule that in an interference between a patent and an application, if the counts taken from the patent be found to be ambiguous, they are given the meaning which they have in the patent. In the instant case the Examiner of Interferences applied this rule and as a result denied the right of Potts (who did not appeal) to make certain counts. As to the three counts here at issue, however, he designated specific features in the Potts disclosure which, in his opinion, support them, holding that impulses stored upon a mechanism, shown in Figure 18 of Potts' drawings, are supplied to the printer and that this device sends a rest impulse to the printer; that this mechanism is clearly "associated with the distributor" and controlled by it through a magnet; that this magnet is involved in the means for transmitting a start impulse to each printer; that when no signals are received and stored in the Potts system no starting impulse is sent; that the storing means, including certain grooved members, is clearly involved in the storing means in this operation, and that certain means, including the magnet above alluded to, under the control of the distributor, supports the limitation quoted, supra, from count 3. The Board gives an even more elaborate description of the Potts system and the manner in which it functions.

Upon matters involving highly technical mechanisms like those here involved, this court must give great weight to the findings of the experts of the Patent Office. In the instant case those findings constitute the only explanations which the record affords of the technical features of the respective systems. No affidavit, or other evidence, respecting the structure and operation of the systems was presented. Appellants insist upon a very limited interpretation of the counts, more limited we think than is proper under the well established rules of law and practice. We are not convinced that there was error in the findings below to the effect that Potts shows a start-stop device controlled by the distributor, and that, in the operation of his system, there is action which, under any reasonable interpretation of the count, transmits "rest impulse" to the printer.

Counsel for appellants argues, as to the "rest impulse," that the requirement of count 3 is that a positive rest impulse be transmitted and not an impulse resulting from stopping the electric current. The Board says:

The term "impulse", as a verb means to give an impulse or tendency to. In the sense of, to give a tendency to, the no current condition gives the tendency to rest and would appear to render the counts readable upon the disclosure of the Potts device. It is understood that the term, as used in this art, is in the broad sense, as to give a tendency to, and it is our view that "rest impulse",

as employed in these counts, is sufficiently broad to be readable upon the current and no current system of the Potts disclosure.

We do not regard the interpretation of the count thus made as being erroneous, but, upon the contrary, think it reasonable and proper.

The decision of the Board of Appeals accordingly is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DREYFUS

No. 3,785. Decided June 7, 1937

[90 F.(2d) 277]

1. APPEAL—ASSIGNMENT OF ERROR.

Where none of the reasons of appeal are sufficiently specific to present for consideration the question of alleged new matter in the patent of S. et al., one of the references of record, that question will not be considered by the court.

2. PATENTABILITY—EVIDENCE OF PRIOR INVENTION.

Record reviewed and *Held* that the invention of the appealed claims was not disclosed in appellant's earlier application and as no other evidence was offered to antedate the filing date on the application for the patent granted to S. et al., the latter is available as a reference and *Held* further that the claims are unpatentable over the prior art including the S. patent.

APPEAL from the Patent Office. Affirmed.

GRAHAM and BLAND, *Judges*, concurring.

Mr. I. Seltzer and *Mr. C. W. Levinson* for Dreyfus.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

The fifteen claims, 12, 19, 22, 25, 27 to 31, inclusive, 36, 38, 43, 46, 49, and 50, involved in this appeal and other claims of appellant's application for a patent relating to a process for the manufacture of aliphatic anhydrides were rejected by the Primary Examiner of the United States Patent Office. The grounds of the rejection will be more particularly stated hereinafter.

Upon appeal to the Board of Appeals, the rejection of the Examiner of the here-involved claims was affirmed for substantially the same reasons as those assigned by the Examiner.

From the decision of the Board, appellant has appealed here.

The claims on appeal relate to a process of manufacturing aliphatic anhydrides such as acetic anhydride, which process involves subjecting an aliphatic acid in vapor form in a retort to a sufficient temperature for thermal decomposition into anhydride and water vapor. This mixture is conducted into another chamber and into a stream of vapor of some liquid that has the property of affinity for water vapor. Sufficient temperature is maintained to allow vapors of the anhydride to condense into liquid form but yet to maintain the vapor of the entraining liquid and water in a vaporous form whereby the mixed vapor may be conducted from the top of a chamber and the condensed anhydride collected at the bottom. Appellant's specification names toluene, or toluol, or xylene, or xylol as suitable entraining materials in vaporous form. All the claims except claim 29 broadly call for an entraining liquid. Claim 29 is limited to xylene.

The references relied upon by the Examiner are: Meingast et al., 1,570,514, January 19, 1926; Dreyfus (British), 256,663, July 26, 1926; Ricard, 1,668,380, May 1, 1928; Schleicher et al., 1,815,802, July 21, 1931.

Claims 12 and 29 are regarded as illustrative and follow:

12. Process for the manufacture of an aliphatic anhydride which comprises subjecting the vapor of an aliphatic acid to thermal decomposition and separating the anhydride so formed by condensation from the reaction vapors whilst carrying away the water vapor by the vapor of at least one entraining liquid of boiling point above that of water.

29. Process according to claim 12 wherein the entraining liquid is a xylene.

The Examiner held, and the Board concurred in the Examiner's view, that "Every claim except 29 is fully met" by Schleicher et al., and that claim 29 was not patentable over Schleicher et al. and was fully met by Schleicher et al. in view of Ricard.

The Schleicher et al. disclosure is described and applied by the Examiner in the following language:

Schleicher describes a process separating acetic anhydride and water vapor in a column of "customary construction" by injecting vapors of benzene or toluene, etc., into the column at the base, while the mixed vapors to be separated pass into the column elsewhere. The water vapor is carried along by the hydrocarbon vapor and condensed in a receiver at a lower temperature while the anhydride is condensed in the column and passes downward counter-current to the hydrocarbon vapors.

* * * * * * *

The process of separation claimed is fully met by Schleicher who describes essentially the same procedure as applicant has. He injects benzol vapor into the base of a column containing mixed acetic anhydride and water vapor passing in contact, it extracts the water vapor. The temperature is below the boiling point of acetic anhydride and hence, being in major portion, it must condence. The azeotropic mixture of toluene and water boils at about 80° which is lower than any other component so it will be readily carried over. Just where the water and anhydride mixture is added, probably has some small difference on the efficiency, but it is not involved in the claims under rejection other than found in Schleicher.

The Examiner also rejected claims 12, 19, 22, 25, 27, 28, and 29, as being drawn to an old, exhausted, unpatentable combination. Claims 36, 38, 43, 49, and 50 were also rejected by the Examiner as being too broad.

In view of our conclusion it is not necessary for us to consider the second and third grounds of rejection stated. We are in agreement with the concurring decisions of the tribunals that none of the claims involved are patentable over the Schleicher et al. patent, and that claim 29 is fully met by Schleicher et al. when combined with Ricard.

Appellant has stressed at great length both in brief and in oral argument the contention that the tribunals improperly rejected the claims upon Schleicher et al. for the reason that appellant is entitled to the filing date (being prior to the application date of the Schleicher et al. patent) of his prior Patent No. 1,735,959, in which prior patent he contends that there is disclosed, but not claimed, the invention here involved, and argues, therefore, that Schleicher et al. cannot be used singly to anticipate the claims or in combination with Ricard to anticipate claim 29. Appellant seems to concede that if his prior patent does not disclose the issue of the claims and if Schleicher et al., therefore, is a proper reference, the rejection of the Board upon that ground was proper except as to claims 19, 22, 25, 27, and 28. Appellant contends that any showing that may be made in Schleicher et al. upon the subject matter of these claims was not in the Schleicher application when filed, but was introduced by amendment after the filing date of the Schleicher et al. application. This is, in effect, as we understand it, a contention that the amended subject matter in Schleicher et al. is new matter and, therefore, improperly in the patent.

As to the last contention the Solicitor for the Patent Office in his brief states:

Not only does it appear from the record in the instant case that the evidence, as to the amendment in the application of the Schleicher et al. application, was not brought before either the Board of Appeals or the Examiner, but furthermore in the notice of appeal there does not appear to be raised the point that the Schleicher et al. patent is not entitled to its filing date for everything appearing in the printed patent. Had appellant raised any such point before the Examiner or the Board of Appeals those tribunals might have pointed out wherein the amendment was in harmony with the original disclosure and permissible under rule 70 of the Rules of Practice in the United States Patent Office, and not contrary thereto because of the introduction of new matter as now alleged by appellant, apparently for the first time in this case.

We find, however, that in this court there is filed a stipulation, the material portion of which is divided into three paragraphs as follows:

1. The applicant did on Aug. 12, 1933 urge before the Examiner the point that the Schleicher et al. Patent 1,815,802 was not available as a reference against claims 19, 22, 25, 27, and 28 on the ground that the statement found in lines 21 to 27 of page 1 of the printed patent did not occur in the Schleicher et al. application as filed but was inserted by amendment filed July 8, 1930.

2. In the letter of Dec. 1, 1933, the Examiner ruled "No inventive difference is seen in introducing the entraining liquid in vapor form as specified in claims 18 to 23, 25, 27, and 28 in place of the method disclosed in the original Schleicher et al. specification", and thereafter the applicant made three responses to the Examiner's rejections but applicant made no specific references in these to the amendment to the Schleicher et al. application.

3. The applicant did call attention of the amendment to the Schleicher et al. application in his brief before the Board of Appeals on appeal from the Examiner's decision.

It would seem, therefore, that we must regard the question presented by said last contention as having been called to the attention of the tribunals below, although neither of them commented upon the subject matter in their written opinions nor does the record show that the question was considered by the Board.

[1] The record does not disclose any reason of appeal which presents this question here more specifically than do appellant's three following reasons:

3. In holding that all the said claims, except claim 29, are unpatentable over the U. S. patent to Schleicher et al. No. 1,815,802.

4. In holding that claim 29 is unpatentable over said patent to Schleicher et al. in view of the U. S. patent to Ricard No. 1,668,380.

5. In holding that the applicant was not entitled to the benefit of the filing date of his U. S. Patent No. 1,735,959 as to the subject matter on appeal.

On appeal from the Primary Examiner to the Board of Appeals, the record contains nothing aside from the above-quoted stipulation bearing on the question, and the only reasons of appeal assigned there were the following:

1. In finally rejecting all of the claims on the art and for the reasons of record.

2. In not allowing any of the claims.

Notwithstanding the facts set out in the stipulation, it is probable that the Board of Appeals, upon the record as presented to it, did not feel required to discuss or decide the issue alleged to have been presented relating to the new matter inserted in the Schleicher et al. reference.

Appellant's reason of appeal No. 3 relates to the rejection of all the claims, except claim 29, on the Schleicher et al. patent, and reason of appeal No. 4 challenges the correctness of the rejection of said claim 29 on Schleicher et al. in view of Ricard. But, under the circumstances of this case, we are of the opinion that said reasons of appeal are not sufficiently specific to present for our consideration the question of the alleged new matter in the Schleicher et al. patent. If appellant wished consideration for this subject matter it would seem to us that he should have pointed out with more specificity the particular matter complained of, the same not appearing upon the face of the patent. We say this without intimating whether or not, if he had done so, we would be privileged to consider the same and pass upon the soundness of appellant's contentions.

For the reasons above stated we are, therefore, of the opinion that the question with reference to the alleged new matter in the Schleicher et al. patent is not before us for consideration.

The main question pressed by appellant is that the tribunals below are in error in holding that appellant's prior patent did not disclose the use of the entraining liquid so as to support the claims at bar. On this phase of the case the Examiner went into considerable detail and among other things said:

The fact that the claims call for the entraining liquid being volatile in steam is not a patentable feature since it is disclosed in the references, and is obviously essential or the processes would not be operative.

Applicant has tacitly admitted the propriety of the rejection since he relies, in order to avoid it, on the prior filing date of his Patent 1,735,959. That process is also one of recovering and separating acetic anhydride and water from a vapor mixture of the two. The mixed vapors are passed into a water immiscible solvent for acetic anhydride above 100° C. The water vapor obviously passes on. This solvent is not used as an entraining liquid. An entraining liquid or vapor must be in motion. It gathers up the substance entrained and carries it along with it. This is the sense in which the term is used in the distillation art. A mere solvent of a vapor is not an entraining liquid. The "Century Dictionary" gives the following definition applicable here: "To carry along mechanically one fluid by another at high velocity."

"New English Dictionary" (1933) Murray, defines "entrain", "Of a fluid: To carry (particles) along by its flow; spec. of steam which carries along particles of water through a pipe or particles of sugar from an evaporating pair—. Hence Entrainer—a device for saturating a current of gas or steam with liquid—in such a way that it will be picked up by a passing current of gas or steam. Entrainment—the action of a fluid in carrying particles along."

No such result occurs according to the process of Patent 1,735,959. Applicant places much reliance on his statement, page 2, lines 44 to 50 of the patent and emphasizes "preferably" which he states means that he would do otherwise. He says in lines 48 to 50 that he may employ solvents volatile in steam. In the following paragraph he gives a list of solvents which may be used, and in second column, lines 66 to 80 he describes use of the same solvents to absorb the acetic anhydride while the water vapor passes on. Nowhere does he state any solvents which will be volatilized with steam at the temperature use. If he used any such, they would not be solvents for the anhydride in the sense meant in the patent for there the invention is to dissolve and then redistil. If one could stretch the disclosure of the patent and include solvents like benzene toluene and xylene,

then there would be no disclosure of the process claimed herein because the vapor of those solvents is not passed into the mixture of vapors, but the vapor mixture would be passed in liquid solvent.

It is evident therefore that applicant's prior patent does not disclose the invention here claimed and can not be relied upon to avoid the rejection.

The Board of Appeals adopted the same view as that of the Examiner on this phase of the case but only briefly discussed the question. Concerning this important feature of the claims, the Board said:

It is our opinion that the showing in the prior Dreyfus patent has no bearing on the present situation for the reasons fully discussed by the Examiner, namely, that the term "entraining" has a definite meaning in this application which is quite distinct from a mere absorbent bath of the prior Dreyfus patent. The two processes also differ materially in other respects. In the Dreyfus patent apparently only water vapor escapes through the vent 2^a and some solvent would be involved which is less volatile than acetic anhydride rather than more volatile as in the present case.

[2] We find no error in the concurring decisions of the tribunals below that the appellant's prior patent did not disclose the "entraining" feature of the involved claims and that he may not here rely upon the disclosure of his prior patent and that the rejection by the Patent Office tribunals of all the claims on Schleicher et al., and of the additional rejection of claim 29 on Schleicher et al., in view of Ricard, was proper. Appellant's earlier patent did not disclose the important feature of the appealed claims involving the question of entraining liquids for the reason that the subject matter is not mentioned nor do we regard it as being inherent in appellant's method as performed on the apparatus disclosed.

In view of this conclusion it is obvious that the additional grounds of rejection need not be discussed here, and the decision of the Board of Appeals is affirmed.

Affirmed.

GRAHAM and BLAND, *Judges*, concur in the conclusion.

U. S. Court of Customs and Patent Appeals

IN RE YOUNG

No. 3,831. Decided June 7, 1937

[90 F.(2d) 275]

PATENTABILITY—STREAMER ADAPTED FOR TOWING BY AIRCRAFT.

Certain claims for a streamer adapted for towing by aircraft which include the provision that the tow line is slidably connected to the loop bridle *Held* patentable over the prior art and further *Held* that certain other claims not so limited are unpatentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Leonard L. Kalish for Young.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of invention in view of the cited prior art, claims 1, 2, and 6 to 10, inclusive, of appellant's application. Certain claims were allowed:

Claim 1 is illustrative of claims 1, 2, and 6, and reads as follows:

1. A streamer adapted for towing by aircraft comprising a substantially rectangular skeleton framework including vertical and longitudinal members, the vertical members being rigid and the frame work having a center of gravity nearer its lower edge, a loop bridle joining the upper and lower ends of the foremost vertical member, a tow line slidably connected to said loop bridle, and a drag element connected to the rear end of said framework.

Claim 7 is illustrative of the remaining claims and reads as follows:

7. A streamer adapted for towing by power-driven aircraft, comprising a skeleton frame-work having a relatively very small horizontal dimension transverse to the intended line of movement in comparison to its height and including generally flexible longitudinal members and relatively rigid vertical members with the leading vertical member having its center of gravity nearer the lower edge of the streamer, and having greater resistance against bending than the following vertical members a tow line connected with the leading vertical member and a drag element flexibly connected with the trailing end of the streamer.

The references cited are: Worrell et al., 145,709, December 16, 1873; Rothenberg, 1,611,080, December 14, 1926; Picco, 1,893,149, January 3, 1933; Du Pont, 1,901,855, March 14, 1933.

Appellant's alleged invention is concisely described by the Examiner as follows:

The invention relates to a sign towed by an aeroplane. It is in the form of a streamer and consists of horizontal stringers connected by rigid vertical members. The latter carry weights at their lower ends. The foremost vertical member is provided with a V-shaped bridle which is slidably connected with the tow-line. The rearmost vertical member is provided with a similar bridle which is slidably connected with a resistance member.

The patent to Du Pont discloses a sign in the form of a banner towed by an aeroplane, and in a vertical plane. A bridle connects the sign with the tow line, and air resistance means are secured to the rear end of the sign to keep the sign taut. The bridle is not slidably connected to the tow line.

The patent to Picco also discloses a sign in the form of a banner towed by an aeroplane, weights on the under side of the sign, and a bridle; air resistance means are connected at the rear of the banner. The tow line is not slidably connected to the bridle.

The patent to Worrell et al. discloses a device for suspending stationary signs. A cord is shown for that purpose, which provides a sliding movement.

The patent to Rothenberg is for an apparatus for ejecting atomized liquids. The apparatus is suspended in the air, and there is shown a loop or an eye and a slidable sling of steel wire, operating upon the same principle as the slidable connection disclosed by appellant.

It was conceded by the Patent Office tribunals that neither Du Pont nor Picco disclosed or suggested a tow line slidably connected with the loop bridle. Du Pont, by involved mathematical calculation, determined the point at which the tow line should be attached to the bridle.

The Board of Appeals in its decision stated:

* * * One of the changes relied upon for patentability is the employment of a loop bridle having a tow line slidably connected thereto. None of the streamers discloses the sliding connection and the Examiner has referred to the patents to Worrell et al. and Rothenberg for such a connection. Appellant urges that these patents are on such non-related structures that they would not suggest this form of connection with a streamer.

We are of the opinion that, wherever it is desirable to connect a tow line to different points, it is merely a matter of choice as to whether that line shall pass through a sliding loop in order to equalize the pull on the two points or whether it is better to provide a connection which does not permit the equalization. There are advantages and disadvantages with both types. We do not believe it required the exercise of invention to experiment with the sliding connection and adopt it if it was found more suitable with streamers.

It is our opinion that neither the patent to Worrell et al. nor the patent to Rothenberg is available as a reference. Each belongs to a clearly nonanalogous art, and neither would suggest the use in an aeroplane streamer of "a tow line slidably connected to said loop bridle."

The Board, however, did not seem to greatly rely upon these references, but held that it did not require the exercise of the inventive faculty to employ the slidable connection disclosed by appellant. We do not agree with this conclusion. It seems to us that Du Pont, presumably skilled in the art, would not have employed involved mathematical calculations to determine the point at which the tow line should be attached to the bridle if a slidable connection was obvious to one skilled in the art. In our opinion the application of a slidable connection to a streamer towed by an aeroplane did require more than mechanical skill, and claims 1, 2, and 6 should be allowed.

The remaining claims, Nos. 7, 8, 9, and 10, do not contain the element of a tow line slidably connected to the bridle, but appellant relies, for patentability, upon the use of a front vertical member having greater resistance against bending than the other vertical members. Under this arrangement the bridle may be connected at the upper and lower portions of the streamer, and the middle portion may be anchored to the stiff front vertical member and be drawn thereby, making it unnecessary to provide stiff vertical members throughout the length of the streamer.

Both the Board and the Examiner were of the opinion that it would involve merely mechanical skill to make the leading spacer bar heavier than the others, thus relieving the strain upon the other vertical members, enabling them to be made of lighter construction. We are in accord with this conclusion. See *In re Pomeroy*, 20 C. C. P. A. (Patents) 1026, 64 F.(2d) 681, 433 O. G. 512.

For the reasons stated herein, the decision of the Board of Appeals is reversed with respect to claims 1, 2, and 6, and affirmed as to claims 7, 8, 9, and 10.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,256,265. (See 1,402,309.)

1,262,860, S. B. Smith, Incubator, D. C. Minn., 4th Div., Doc. E 2723, *S. B. Smith* v. *L. W. Street*. Dismissed Sept. 21, 1937.

1,402,309, L. P. Mooers, Piston for internal combustion motors; 1,256,265, V. E. Schmiedeknecht, Piston; 1,655,968, H. E. Maynard, same; 1,763,523, F. Jardine, same; 1,815,733, E. J. Gulick, same, C. C. A., 6th Cir., Doc. 7223, *The Cleveland Trust Co. et al.* v. *The Schriber-Schroth Co.* Doc. 7224, *The Cleveland Trust Co. et al.* v. *The Aberdeen Motor Supply Co.* Doc. 7225, *The Cleveland Trust Co. et al.* v. *The F. E. Rowe Sales Co.* Claims 1, 11, 12, 13, 15, 18, 30, and 33 of 1,815,733, and all claims of 1,655,968 which are sued upon, held valid and infringed Oct. 8, 1937.

1,407,948, B. G. Rand, Card index cabinet; 1,429,628, J. H. Rand, Jr., Record cabinet, D. C., S. D. Ohio, W. Div., Doc. E 928, *Remington Rand, Inc.*, v. *Acme Card System Co. et al.* Dismissed for want of equity Oct. 11, 1937.

1,429,628. (See 1,407,948.)

1,455,141, Lowell & Dunmore, Radio receiving apparatus; 1,606,212, same, Power amplifier; 1,635,117, F. W. Dunmore, Signal receiving system, appeal filed Oct. 5, 1937, C. C. A., 4th Cir., Doc. 4261, *P. D. Lowell et al.* v. *A. G. Triplett et al.*

1,462,625, 1,642,827, J. T. Riddell, Athletic shoe; 1,659,666, same, Athletic shoe construction, C. C. A., 6th Cir., Doc. 7269, *J. T. Riddell, Inc.*, v. *The P. Goldsmith Sons Co.* Claim 1 of 1,462,625; claims 1, 4, and 5 of 1,642,827, and the single claim of 1,659,666 held invalid Oct. 8, 1937.

1,552,326, P. J. Lunati, Lifting device for motor vehicles, D. C., W. D. Wash., S. Div., Doc. E 551, *P. J. Lunati et al.* v. *Pacific Hydraulic Equipment, Inc.* Injunction Oct. 8, 1937.

1,584,501, E. H. Angle, Orthodontic appliance; 1,976,141, S. Richardson, Method of producing orthodontic band brackets, included by cross-bill Apr. 15, 1935, D. C., S. D. Calif. (Los Angeles), Doc. E 218–M, *A. H. Angle et al.* v. *S. Richardson.* Plaintiff's patent held valid and infringed, claim 2 of defendant's patent held valid and infringed; injunction in favor of both parties against each other Oct. 9, 1937.

1,591,264, L. F. Baash, Attachment for fishing tools, D. C., S. D. Calif. (Los Angeles), Doc. E D–100, N. D., *L. F. Baash et al.* v. *F. Hankins et al.* (*Taft Tool & Machine Co.*) Patent held valid and infringed Oct. 4, 1937.

1,606,212. (See 1,455,141.)

1,630,309, A. R. Pitman, Frying apparatus, D. C. Mass., Doc. E 4151, *J. C. Pitman & Sons, Inc.*, v. *A. R. Pitman et al.* Decree for plaintiff for an injunction Oct. 4, 1937.

1,635,117. (See 1,455,141.) 1,642,827. (See 1,462,625.)

1,655,968. (See 1,402,309.) 1,659,666. (See 1,462,625.)

1,677,022, A. Deutschmeister, Advertisement carrier, D. C., S. D. N. Y., Doc. E 82/89, *D. & S. Patents Corp.* v. *Chevrolet Motor Co.* Consent order dismissing bill (notice Oct. 13, 1937).

1,728,837, G. Slayter, Method of heat insulating, D. C., S. D. N. Y., Doc. E 69/142, *Slayter & Co.* v. *U. S. Insulation Corp.* Decree for plaintiff (notice Oct. 13, 1937).

1,741,145, W. M. Drennon, Sander and buffer, filed Oct. 7, 1937, D. C., S. D. Calif., C. Div., Doc. E 1261–R J, *A. Olson et al.* v. *Sterling Products Co. et al.*

1,763,523. (See 1,402,309.)

1,798,867, G. Candas, Brooch, filed Oct. 13, 1937, D. C., S. D. N. Y., Doc. E 85/365, *Cohn & Rosenberger, Inc.*, v. *M. H. Lamston, Inc.*

1,815,733. (See 1,402,309.)

1,817,856. (See Des. 82,007.)

1,823,163, J. B. Picard, Pumping jack, D. C., N. D. Tex. (Ft. Worth), Doc. E 783, *The National Supply Co.* v. *American Mfg. Co. of Texas.* Dismissed for want of equity Oct. 1, 1937.

1,834,968. (See 1,869,739.)

1,836,782. (See Des. 82,007.)

1,869,739, Dean & Hilton, Control head for oil wells; 1,834,968, L. L. Rector, Casing and tubing head suspension; 2,083,089, same, Tubing head, filed Oct. 11, 1937, D. C., S. D. Tex. (Houston), Doc. E 769, *L. L. Rector* v. *E. L. Barker* (*Atlas Engineering Works*).

1,898,915, A. S. Volpin, Razor blade sharpener, D. C., S. D. N. Y., Doc. E 85/219, *Behr-Manning Corp.* v. *Blade Master, Inc., et al.* Consent order dismissing bill (notice Oct. 11, 1937).

1,914,010, W. E. Eccles, Electrical connection, D. C., S. D. N. Y., Doc. E 83/123, *The Andrew-Terry Co.* v. *L. B. Levine et al.* (*Products Electric Co.*). Consent decree for plaintiff (notice Oct. 6, 1937).

1,917,261, P. E. Hawkinson, Method of retreading tire casings; 1,917,262, same, Apparatus for retreading tire casings, filed Oct. 9, 1937, D. C., W. D. Pa., Doc. E 3343, *P. E. Hawkinson Co.* v. *G. Barnes et al.* (*Pittsburgh Tire Supply Co.*).

1,917,262. (See 1,917,261.)

1,935,567. (See Des. 82,007.)

1,940,224, W. J. Munro, Sleeping garment for baby, D. C., S. D. N. Y., Doc. E 81/211, *W. J. Munro* v. *Tidy Products Corp. et al.* Consent decree holding patent valid, Tidy Products Corp. having taken license under patent; dismissed as to other defendants (notice Oct. 13, 1937).

1,965,876, W. I. Bettis, Applicator for elastic rings, filed Oct. 5, 1937, D. C., S. D. Calif., C. Div., Doc. E 1260–H, *Patterson* v. *Ballagh Corp., Ltd.* v. *Bettis Rubber Co., Ltd.* Doc. E 945–Y, *W. I. Bettis* v. *Patterson-Ballagh Corp., Ltd.* Decree for defendant holding patent valid and infringed Oct. 9, 1937.

1,967,221, Allen & Hartley, Printing plate and holding means therefor; 1,976,039, G. S. Rowell, Planographic printing, D. C., S. D. Ohio, E. Div., Doc. E 1172, *Multigraph Co.* v. *J. F. Nitschke et al.* Dismissed Oct. 6, 1937.

1,976,039. (See 1,967,221.) 1,976,141. (See 1,584,501.)

2,081,683, A. Solosko, Elastic attaching device, filed Oct. 8, 1937, D. C., S. D. N. Y., Doc. E 85/358, *A. Solosko* v. *Ellerstein-Gerber Corp. et al.*

2,083,089. (See 1,869,739.)

Des. 82,007, 1,817,856, J. Teller, Cabinet gas range; 1,836,782, same, Stove structure; Des. 85,354, Des. 85,626, Des. 85,962, Teller & Schulz, Gas or electric cabinet cook stove or range; 1,935,567, H. H. Heidbreder, Range, filed Oct. 8, 1937, D. C., E. D. Pa., Doc. 9853, *J. Teller et al.* v. *Standard Gas Equipment Corp.*

Des. 85,354. (See Des. 82,007.)

Des. 85,626. (See Des. 82,007.)

Des. 85,962. (See Des. 82,007.)

Des. 105,636, S. Kurtz, Sweater ensemble, filed Oct. 11, 1937, D. C., S. D. N. Y., Doc. E 85/362, *Norwalk Knitting Mills, Inc.*, v. *P. Kuhn et al.* (*Majestic Knitting Mills*).

Des. 105,780, I. Savodnik, Coat, filed Oct. 7, 1937, D. C., S. D. N. Y., Doc. E 85/352, *Knobby Coat Co., Inc.*, v. *Littman's Women's Apparel Corp.* Doc. E 85/353, *Knobby Coat Co., Inc.*, v. *Haddon Hall Coats, Inc.* Doc. E 85/354, *Knobby Coat Co., Inc.*, v. *M. Hoffman Coat Co., Inc.* Doc. E 85/355, *Knobby Coat Co., Inc.*, v. *Lerner Stores Corp.*

Des. 105,929, Des. 106,260, P. Schlessel, Dress, filed Oct. 5, 1937, D. C., S. D. N. Y., Doc. E 85/346, *New York Dress & Costume Co., Inc.*, v. *Lougin Dress Co., Inc.*

Des. 105,982, E. Cutler, Dress, filed Oct. 7, 1937, D. C., S. D. N. Y., Doc. E 85/348, *Lee Claire Costumes, Inc.*, v. *Young Modes, Inc.*

Des. 106,260. (See Des. 105,929.)

Des. 106,363, O. Wusita, Dress, filed Oct. 7, 1937, D. C., S. D. N. Y., Doc. E 85/351, *Hayman & Cohen, Inc.*, v. *Dixie Dresses, Inc.*

Des. 106,402, P. Schlessel, Dress, filed Oct. 8, 1937, D. C., S. D. N. Y., Doc. E 85/357, *New York, Dress & Costume Co., Inc.*, v. *Abrams & Norman, Inc.*

Adjudicated Patents

(D. C. Del.) Bell patent, No. 1,574,546, for an oil heating furnace, claims 1, 2, 3, 9, and 13 *Held* valid and infringed. *Sinclair Refining Co.* v. *Globe Oil & Refining Co.*, 20 F. Supp. 681.

(D. C. Del.) Bell patent, No. 1,574,547, for operation of oil stills, claims 1, 2, 5, 7, and 8 *Held* valid and infringed. *Id.*

(D. C. Del.) Bell patent, No. 1,623,773, for oil still, claims 1–4, 7, 12–16 *Held* valid and infringed. *Id.*

(D. C. N. J.) Chipman patent, No. 1,694,205, for weed killer and method of killing weeds, *Held* void for failure to file a disclaimer as to claims 3, 4, 6, 8, 9, and 10, which had been declared invalid. *Chipman Chemical Engineering Co.* v. *Reade Mfg. Co.*, 20 F. Supp. 674.

(D. C. N. J.) Baum patent, No. 1,821,902, for manometer, *Held* invalid. *W. A. Baum & Co.* v. *Becton, Dickinson & Co.*, 20 F. Supp. 707.

(D. C. Ind.) Jauch et al. patent, No. 1,888,533, for liquid dispensing apparatus, claims 1, 2, 16, 17, 18, 19, and 22 *Held* valid and infringed. *Wayne Co.* v. *Anchor Oil Co.*, 20 F. Supp. 745.

(D. C. N. J.) Balmer design patent, No. 78,498, for combination bathroom fixture, *Held* invalid. *J. H. Balmer Co.* v. *Bay Ridge Specialty Co.*, 20 F. Supp. 714.

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 21, 1937

[VOL. 485. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 398,901. WILLARD HELBURN, INC., Salem, Mass. Filed Oct. 25, 1937.

SMOOTHIE

For Leather.
Claims use since Oct. 1, 1937.

CLASS 2

Receptacles

Ser. No. 398,343. L. B. BARBER, doing business as Vivian Manufacturing Company, St. Louis, Mo. Filed Oct. 11, 1937.

VIVIAN
SERV-ICE
Products

The words "Serv-ice Products" are disclaimed apart from the mark.
For Ice Delivery Bags and Crushed Ice Baskets, Ice Cube Cartons, and Pails.
Claims use since June, 1925.

Ser. No. 398,845. NELL L. FULTON, New York, N. Y. Filed Oct. 23, 1937.

"COIN-NITIALS"

The word "Coin" is disclaimed apart from the mark.
For Metal Coin Holders.
Claims use since Oct. 5, 1937.

Ser. No. 398,846. NELL L. FULTON, New York, N. Y. Filed Oct. 23, 1937.

"COIN-O-GRAMS"

The word "Coin" is disclaimed apart from the mark.
For Metal Coin Holders.
Claims use since Oct. 5, 1937.

Ser. No. 398,847. NELL L. FULTON, New York, N. Y. Filed Oct. 23, 1937.

"COIN-VENIENCE"

The word "Coin" is disclaimed apart from the mark.
For Metal Coin Holders.
Claims use since Oct. 5, 1937.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 393,233. THE SCHAFER COMPANY, Decatur, Ind. Filed May 25, 1937.

SCHAFER
BLACK BEAUTY

For Harness for Teams, Buggy, Express, Pony, Goat, Dog, and Baby; Bridles, Lines, Hame Straps, Traces; Express and Riding Saddles; Halters for Horses, Colts, Pony, Cow, and Bull; Collars, Team Pads, Sweat Pads, and Collar Neck Pads; Whips, Leather Fly Nets, Curry Combs, Horse Brushes, Hames, Dog Collars, Traveling Bags, Suitcases, Bill Folds, Purses, and Key Cases.
Claims use since 1901.

Ser. No. 394,769. H. MARGOLIN & CO. INC., New York, N. Y. Filed June 30, 1937.



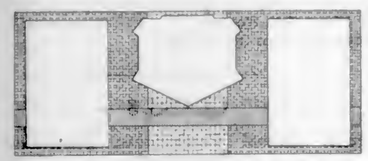
Marcraft

For Pocketbooks, Purses, Change-Purses, Wallets, Trunks, Handbags, Suitcases, Satchels, Portfolios.
Claims use since Jan. 16, 1933.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 390,959. THE HYGIENIC PRODUCTS COMPANY, Canton, Ohio. Filed Apr. 5, 1937.



The drawing is lined for red and yellow.
For Chemical Preparation Used as a Laundry Cleaner, Bleacher, and Whitener, a Stain Remover, a Mildew Remover, a Scorch Remover, a Fruit, Grass, Ink, Blood, Wine, Tea, Coffee, Chocolate, and Iodine Stain Remover.
Claims use since Mar. 20, 1937.

Ser. No. 392,025. THE GLIDDEN COMPANY, doing business as The Chemical & Pigment Company, Cleveland, Ohio. Filed Apr. 29, 1937.

OPACITONE

For Chemicals Used as a Pigment and Filler for Paints, Paper, Rubber, Ink, Linoleum, Shoe Polish, and Plastics (Including Composition Wall Board, Composite Flooring, Plaster, and Stucco).
Claims use since Apr. 11, 1930.

Ser. No. 392,615. SOPHIA COMPANY, INC., New York, N. Y. Filed May 11, 1937.

RÉJUVENÉ

For Hair Tonic.
Claims use since January, 1934.

Ser. No. 393,195. JOHN H. WOOD COMPANY, Philadelphia, Pa. Filed May 24, 1937.

Zhongiva

For Tooth and Gum Washes.
Claims use since Apr. 15, 1920.

Ser. No. 396,502. MOLINARD, INC., New York, N. Y. Filed Aug. 17, 1937.



For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since October, 1936.

Ser. No. 397,496. CAAL LABORATORIES, INC., Detroit, Mich. Filed Sept. 17, 1937.



For Solution for Treating Epidermophytosis and Other Types of Local Dermatitis.
Claims use since Feb. 1, 1937.

Ser. No. 397,800. EFF LABORATORIES, INC., Cleveland, Ohio. Filed Sept. 25, 1937.

VANAY

For Concentrates and Preparations Rich in Vitamin Activity for Use in Foods and Particularly Vitamin A in a Form, Including Flavoring, for Incorporation in Bakery Goods and Confectionery.
Claims use since Aug. 17, 1937.

Ser. No. 398,126. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Oct. 4, 1937.

SIBLIN

For Preparation of Plantago with Vitamin B for Use in the Treatment of Constipation.
Claims use since Sept. 8, 1937.

Ser. No. 398,136. WARWICK CHEMICAL COMPANY, West Warwick, R. I. Filed Oct. 4, 1937.

TORRIDEX

For Softening Agent for Textiles.
Claims use since Sept. 17, 1937.

Ser. No. 398,210. MAYO BROTHERS CHEMICAL CORPORATION, Jackson, Miss. Filed Oct. 6, 1937.

MAYOLENE

For Mouth-Wash Preparation.
Claims use since Sept. 10, 1937.

Ser. No. 398,262. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Oct. 7, 1937.

PAROLITE

For Chemicals Adapted for Discharging Dyeings Upon Textile Fibers and Fabrics and for Use in Discharge Printing of Textile Fibers and Fabrics.
Claims use since Sept. 14, 1937.

Ser. No. 398,390. CHAPPEL BROS., INC., Rockford, Ill. Filed Oct. 12, 1937.

PENARTHIN

For Pharmaceutical Preparation for the Treatment of Arthritis and Neuritis.
Claims use since Sept. 24, 1937.

Ser. No. 398,397. RAYMOND E. HARRIS, Los Angeles, Calif. Filed Oct. 12, 1937.

Chaleur

For Perfumes.
Claims use since Sept. 26, 1937.

Ser. No. 398,434. RICHARD A. GREEN, doing business as Green Medicine Co., Shreveport, La. Filed Oct. 13, 1937.

DISTEMPO

For Dog Medicine for Distemper.
Claims use since Jan. 1, 1931.

Ser. No. 398,515. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

AXYOL

For Powder for the External Treatment of Skin Diseases.
Claims use since June 28, 1934.

Ser. No. 398,517. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

BIOXYOL

For Medicinal Ointments for Skin Diseases.
Claims use since June 28, 1934.

Ser. No. 398,519. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

EXSUGYL

For Medicinal Composition in Powder Form for External Use in the Treatment of Skin Diseases.
Claims use since June 28, 1934.

Ser. No. 398,521. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

OXYTHYOL

For Medicinal Ointments for Skin Diseases.
Claims use since June 28, 1934.

Ser. No. 398,522. FÉLIX JEAN CAUCHOIS, Hussigny-Godbrange, Meurthe-et-Moselle, France. Filed Oct. 15, 1937.

THIOXYOL

For Medicinal Ointments for Skin Diseases.
Claims use since June 28, 1934.

Ser. No. 398,569. DYE-COL PRODUCTS, INC., New York, N. Y. Filed Oct. 16, 1937.

RE-KO

For Fungicides.
Claims use since Oct. 4, 1937.

Ser. No. 398,731. R. H. MACY & CO., INC., New York, N. Y. Filed Oct. 20, 1937.

MARCHIONESS

For Aspirin, Bath Salts, Cold Cream, Dusting Powder, Eau de Cologne, Face Powder, Hair Tonic, Hand Lotion, Nail Polish, Rouge, and Shampoo.
Claims use since Aug. 3, 1937.

Ser. No. 398,762. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 21, 1937.

MIMEOGRAPH

For Chemical Photographic Developer and Chemical Photographic Fixing Materials for Use in the Preparation of Stencils.
Claims use since Mar. 27, 1934.

Ser. No. 398,773. J. L. HOPKINS & Co., New York, N. Y. Filed Oct. 21, 1937.

COCILCO

For Preparation Used in the Production of Syrup Cocillana Compound.
Claims use since February, 1936.

Ser. No. 398,815. LABORATORY PRODUCTS, Memphis, Tenn. Filed Oct. 22, 1937.

RESURRECTION

For Tonic Shampoo for Dandruff, Scalp Disorders, and Premature Baldness.
Claims use since Aug. 1, 1937.

Ser. No. 398,816. LABORATORY PRODUCTS, Memphis, Tenn. Filed Oct. 22, 1937.

PEDIGREED

For Tonic Shampoo for Mange and Skin Disorders of Dogs and Other Animals, and for Killing Fleas.
Claims use since Aug. 1, 1937.

Ser. No. 398,825. A. H. ROBINS COMPANY, INC., Richmond, Va. Filed Oct. 22, 1937.

THEOTONE

For Medicinal Preparation Used as a Vasodilator and Sedative.
Claims use since Sept. 5, 1937.

Ser. No. 398,827. THE RYCO COMPANY, Waycross, Ga. Filed Oct. 22, 1937.

RY CO

Ry-Co

For Painless Eye Water.
Claims use since Mar. 20, 1933.

Ser. No. 398,862. E. R. SQUIBB & SONS, New York, N. Y. Filed Oct. 23, 1937.

VIGRAN

For Vitaminic Preparations.
Claims use since Oct. 14, 1937.

CLASS 10

Fertilizers

Ser. No. 397,890. THE WRIGHT COMPANY, Philadelphia, Pa. Filed Sept. 27, 1937.

THE HAPPY GARDENER

For Fertilizers and Artificial Soil, the Latter Being Compounded from Predetermined Amounts of Sand, Clay, and Plant Food Such as Earth and/or Fertilizer.
Claims use since June 1, 1937.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 357,809. THE JOHN DOUGLAS COMPANY, Cincinnati, Ohio. Filed Nov. 2, 1934.

THE SYMBOL
Siphon-Proof
OF SAFETY

The words "Siphon-Proof" are disclaimed apart from the mark.
For Lavatory Flush Bowls and Slop Sinks.
Claims use since Sept. 1, 1934.

Ser. No. 394,854. FLORENCE B. MYERS, doing business as Cooper Hose Jacket Company, Los Angeles, Calif., and Minneapolis, Minn. Filed July 3, 1937.

COOPER LEAK STOP & COUPLER
SINCE 1894
MINNEAPOLIS MINN.

The words "Leak Stop & Coupler" and "Minneapolis, Minn." are disclaimed apart from the mark.
For Metal Emergency Hose Leak Stop and Coupling Sleeves.
Claims use since 1931.

Ser. No. 395,183. ANDERSON DIE CASTING AND ENGINEERING CORPORATION, Los Angeles, Calif. Filed July 14, 1937.

A

For Metal Venetian Blind Tilts, Cord Stops, and Supporting Bearings, and Combinations and Parts Thereof.
Claims use since May 1, 1935.

Ser. No. 398,460. COLONIAL STOVE COMPANY, Philadelphia, Pa. Filed Oct. 14, 1937.

COLONIAL SINK N KLOSURE

The notation "Sink N Klosure" is disclaimed apart from the mark.
For Sink Enclosures.
Claims use since Oct. 11, 1937.

Ser. No. 398,667. COLONIAL STOVE COMPANY, Philadelphia, Pa. Filed Oct. 19, 1937.

Colalloy Kwik Konnector

The words "Kwik Konnector" are disclaimed except as shown.
For Pipe Coupling.
Claims use since Oct. 12, 1937.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 390,562. SHARON STEEL CORPORATION, Sharon, Pa. Filed Mar. 26, 1937.

SHARONSTEEL

The word "Sharonsteel" is disclaimed apart from the mark.
For Hot Rolled Strip Steel, Cold Rolled Strip Steel, Hot Rolled Stainless Strip Steel, Cold Rolled Stainless Strip Steel, Hoop and Band Steel, Sheet Steel, Galvanized Steel, and Terne Coated Steel.
Claims use since May, 1936.

CLASS 15

Oils and Greases

Ser. No. 398,941. SOUTHPORT PETROLEUM COMPANY, Kilgore, Tex. Filed Oct. 25, 1937.

HI-O-FILM

The word "Film" is disclaimed except as shown.
For Lubricating Oil.
Claims use since Aug. 15, 1937.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 397,780. TOM'S AUTO SERVICE, INC., Washington, D. C. Filed Sept. 24, 1937.

SILVER-SEAL Tom's USED-CARS

The words "Used Cars" are disclaimed apart from other features of the mark.
For Used or Second Hand Automobiles.
Claims use since Sept. 8, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 395,479. KEM MANUFACTURING CO., INC., New York, N. Y. Filed July 21, 1937.

KEM

For Starting, Lighting, and Ignition Parts for Automobiles.
Claims use since July, 1920.

Ser. No. 396,362. GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Aug. 13, 1937.

DELCO

For Electric Motors of All Types Including: Dynamo Electric Motors and Fractional Horse-Power Electric Motors and Parts Thereof, Including: Stators, Rotors, Armatures, Short Circuiting Mechanisms and Devices and Weights, Springs and Necklaces Thereof, Brush Brakes, Brushes, Bearings, Governor Assemblies, Governor Springs, Governor Spring Cups, Spring Retaining Cups, Bases, Base Mounting Rubber, Base Mounting Rings, Belt-Tighteners and Belt Tightening Bases, Mounting Plates, End Play Take-Up Devices, Oil-Filled, Wax-Filled and Electrolytic Condensers, Transformers, Transformer-Condensers, Reactors, Rheostats, Speed Controls, Reversing Switches, Automatic Switches, Centrifugal Switches, Relays, Switch Contacts, Contact Plates, Contact Arms, Protective Devices, Thermatrons, Terminal Blocks, Terminal Plates, Conduit Boxes, Field Coils and Commutators, Control Apparatus for Electric Motors and Parts Thereof Including: Magnetic Starting Switches, Across-the-Line Starters, Solenoid Coils, Heater Elements, Contacts, Reset Mechanisms, Reset Buttons, Arc Boxes, Overload Relays, Disconnecting Switches, Push Button Stations, Limit Switches, Pressure Switches and Thermostatic Relays; Motor Vehicle Generators and Parts Thereof Including: Armatures, Brushes, Cut-Out Relays, Voltage Regulators, Field Coils, Bearings, and Bushings; Motor Vehicle Starting Motors and Parts Thereof Including: Armatures, Brushes, Starter Drives, Manual Solenoid Starter Switches, Relays, and Vacuum Controls; Motor Vehicle Ignition Distributors and Parts Thereof Including: Caps, Rotors, Condensers, Contact Arms, Contact Points, Gears, Couplings, and Vacuum Control Units; Motor Vehicle Switches, Including: Starter, Lighting, Dimmer, Stop-Light and Solenoid Switches; Ignition Coils; Horn Relays for Motor Vehicles; Current Regulators for Motor Vehicles; Conductors; Insulators; Connectors; Coils; Switch Boards; Overload Circuit Breakers; Magnetos; Electric Power Stands; Batteries; Storage Batteries and Parts Thereof; Storage Battery Cables; Current Generating and Distributing Systems for Lighting and Power Purposes Including Power Operated Dynamo Electric Machines and Controls, Parts and Accessories Thereof; Electric Fans of All Types Including: Attic, Circulating, Desk, and Ventilating Fans and Controls, Parts and Accessories Thereof; Radio Receiving Sets, Controls, Parts and Accessories Thereof; Vibrators for Radio Sets; Electrically Operated Blower Units for Motor Vehicle Heaters and Refrigerators of All Types; Vacuum Cleaners, Controls, and Parts Thereof; Starting, Lighting, and Ignition Apparatus and Controls, Parts and Accessories Thereof for Use in Connection with Internal Combustion Engines for Motor Vehicles, Boats, Aircraft, and All Other Types of Self-Propelled and Stationary Machines; Electric Irons and Parts Thereof; Electrically Operated Signal Devices of All Types, for Motor Vehicles Including Horns and Turn Signals and Parts Thereof; Bulbs for Electric Lights of All Types Including Those Used on Motor Vehicles, Trailers, and Semi-Trailers.
Claims use since 1911.

Ser. No. 396,430. CORONET RADIO CORPORATION, Chicago, Ill. Filed Aug. 14, 1937.

Coronet

For Radio Receiving Sets.
Claims use since June 26, 1937.

Ser. No. 396,933. THE PYLE-NATIONAL COMPANY, Chicago, Ill. Filed Aug. 30, 1937.

PYLETS

For Electrical Conduit Fittings.
Claims use since June, 1937.

Ser. No. 397,856. FRANK MCCALL, Los Angeles, Calif. Filed Sept. 27, 1937.

DESERT-AIR

For Electric Lamps.
Claims use since Aug. 1, 1931.

Ser. No. 398,780. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Oct. 21, 1937.

ZENITH

For Electric Ranges.
Claims use since Sept. 30, 1937.

Ser. No. 398,945. UNITED STATES ELECTRIC MFG. CORPORATION, New York, N. Y. Filed Oct. 25, 1937.

Rubberlite

For Flash-Lights.
Claims use since Sept. 23, 1937.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 396,847. MARY VIAULT, doing business as The Ray-Fair Company, New York, N. Y. Filed Aug. 27, 1937.

DICEBALL

The representation of a baseball is disclaimed apart from the mark.
For Baseball Game Employing Dice, Said Dice Having Numerical and Word-Bearing Indicia Thereon, to be Played With or Without a Board.
Claims use since June, 1928.

Ser. No. 398,596. THE STEEL STAMPING COMPANY, Lorain, Ohio. Filed Oct. 16, 1937.

DIAL-O-VISION

For Toy Telephones.
Claims use since Apr. 20, 1937.

Ser. No. 399,115. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Oct. 29, 1937.

POKERETTE

For Parlor Game to be Played with Boards and Cards.
Claims use since February, 1930.

Ser. No. 399,217. ACUSHNET PROCESS COMPANY, Acushnet, New Bedford, Mass. Filed Oct. 30, 1937.

Magnum

For Golf Balls.
Claims use since Sept. 15, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 384,507. CAROBRONZE RÖHRENWERK GESELLSCHAFT M. B. H., Vienna, Austria. Filed Oct. 19, 1936.



CAROBRONZE

For Machinery Bearings, Cog or Gear Wheels, Bearing Bushings, Spherical Shaped Guides for Machinery Drive Shafts, Valve Guides, Bearing Raceways.
Claims use since June, 1934.

Ser. No. 391,064. GENERAL REFRIGERATION CORPORATION, Beloit, Wis. Filed Apr. 8, 1937.

HYDRO-CYCLONIC

For Condensers of the Evaporative Type Employing Both Air and Water as Means for Removing Heat from the Condenser Coils Thereof.
Claims use since Aug. 14, 1936.

Ser. No. 392,403. MILTON D. MYER, Pittsburgh, Pa. Filed May 7, 1937.

MYCO BLADE

Applicant disclaims the word "Blade" as part of the mark.
For Safety Razor Blades.
Claims use since Jan. 1, 1934.

Ser. No. 394,929. S. G. BOLINDERS MOTOR AKTIEBOLAG, STOCKHOLM, Stockholm, Sweden. Filed July 7, 1937.



The word "Bolinderdiesel" is disclaimed apart from the mark.

For Internal Combustion Engines and Parts of and Accessories for the Same.

Claims use since Dec. 31, 1935.

Ser. No. 396,044. THE RIDGE TOOL COMPANY, North Ridgeville, Ohio. Filed Aug. 5, 1937.



The mark consists of an angular bar extending across the head of the wrench housing.

For Pipe Wrenches.

Claims use since July 10, 1937.

Ser. No. 396,448. COLTON RAZOR BLADE COMPANY, Boston, Mass. Filed Aug. 16, 1937.

KISMET

For Safety Razor Blades.

Claims use since Aug. 11, 1937.

Ser. No. 396,907. JOHN H. BEST & SONS, INC., Galva, Ill. Filed Aug. 30, 1937.



The drawing is lined for blue.

For Water Well Pumps, Pump Jacks, Cylinders, Foot Valves, Strainers, and Combination Foot Valves and Strainers, for Pumps.

Claims use since 1900.

Ser. No. 398,010. THE LUBRICATION CORPORATION, Chicago, Ill. Filed Oct. 1, 1937.

STANDIX TURI-VAC

For Air-Operated Vacuum Cleaners.

Claims use since Nov. 21, 1935.

Ser. No. 398,755. CLUB RAZOR & BLADE MANUFACTURING CORPORATION, Newark, N. J. Filed Oct. 21, 1937.

fan

For Razor Blades.

Claims use since Mar. 18, 1936.

Ser. No. 398,796. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Oct. 21, 1937.

TYPEMASTER

For Typewriters.

Claims use since Aug. 26, 1937.

Ser. No. 398,843. FLEMING MANUFACTURING COMPANY, East Providence, R. I. Filed Oct. 23, 1937.



The showing in the drawing is of Rodney Maybee.

For Oil Filters, Particularly for Use as Attachments for Internal Combustion Engines and Parts for Said Filters Including Cartridges Therefor.

Claims use since September, 1934.

Ser. No. 399,001. METROPOLITAN SEWING MACHINE CORPORATION, Nyack, N. Y. Filed Oct. 27, 1937.

METROPOLITAN

For Sewing Machines and Sewing Machine Parts and Attachments.

Claims use since May, 1901.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 379,475. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed June 9, 1936.

Vulcameter

For Hand Operated Dial Indicators Used as Reminders in Connection with Timed Operations.

Claims used since Oct. 1, 1935.

Ser. No. 395,772. SPAULDING-MOSS COMPANY, Boston, Mass. Filed July 29, 1937.



For Sensitized Blue Print Paper and Cloth, Sensitized Van Dyke Paper and Cloth, Sensitized Direct Positive Paper and Cloth; Mechanical Drawing Materials—Namely, Drawing Instruments, Drawing Boards, Slide Rules, Measuring Rules, Measuring Tapes, Lettering Instruments, Triangles, T Squares, Machines for Blue Printing, Machines for Direct Positive Printing.

Claims use since July 20, 1937.

Ser. No. 397,706. JACOB WILLIAM FRANKEL, doing business as The Minimax Co., Chicago, Ill. Filed Sept. 23, 1937.

TOOZ
The 2-in-1 X-Ray Film

The expression "2-in-1 X-Ray Film" apart from the mark is disclaimed.

For X-Ray Films.

Claims use since Sept. 13, 1937.

Ser. No. 397,721. PENN ELECTRIC SWITCH CO., Goshen, Ind. Filed Sept. 23, 1937.

Tem-Clock

The word "Clock" is disclaimed except as shown.

For Control Clocks for Controlling Oil Burners, Gas Burners, Air Conditioning Apparatus and Other Heating and/or Cooling Apparatus.

Claims use since Mar. 15, 1937.

Ser. No. 397,722. PITTSBURGH EQUITABLE METER COMPANY, Pittsburgh, Pa. Filed Sept. 23, 1937.



For Meters for the Measurement of Water, Oils, and Greases.

Claims use since Sept. 30, 1936.

Ser. No. 397,744. AMERICAN SPECTACLE CO., INC., New York, N. Y. Filed Sept. 24, 1937.

SOL-A-BAR

For Goggles and Spectacles.

Claims use since August, 1937.

Ser. No. 398,715. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 20, 1937.

MIMEOGRAPH

For Sensitized Photographic Film and Sensitized Photographic Paper for Use in the Preparation of Stencils.

Claims use since Apr. 20, 1934.

CLASS 27

Horological Instruments

Ser. No. 399,120. ASSOCIATED SPRING CORPORATION, Bristol, Conn. Filed Oct. 30, 1937. Under 10-year proviso.

"MANROSS"

For Hair Springs for Time Pieces.

Claims use since Jan. 1, 1885.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 393,702. CROWN PEARL AND GEM, INC., New York, N. Y. Filed June 5, 1937.



The words "Finest Genuine Zircons" and "Siam" are disclaimed apart from the mark.

For Diamond Cut Semi-Precious Stones Such as Zircons, and Necklaces, Finger Rings, Earrings, and the Like, Including Mounted Zircons.

Claims use since Dec. 29, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 396,049. SUPER SAGLESS SPRING CORP., Jersey City, N. J. Filed Aug. 5, 1937.

SUPER SAGLESS

"Sagless" is disclaimed apart from the mark.
For Auxiliary Supports for Upholstered Furniture.
Claims use since Oct. 1, 1931.

Ser. No. 397,771. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed Sept. 24, 1937.

Work-at-Home

For Desks.
Claims use since Jan. 11, 1937.

Ser. No. 398,109. INTERNATIONAL RADIO CORPORATION, Ann Arbor, Mich. Filed Oct. 4, 1937.

Crystlin

For Cabinets for Use with Radios and Television Apparatus and Constructed of Any Material Including Plastics.
Claims use since Sept. 20, 1937.

CLASS 33

Glassware

Ser. No. 398,570. FOURCO GLASS COMPANY, Clarksburg, W. Va. Filed Oct. 16, 1937.



The words "Clearlite", "Single", and the letter "A" are disclaimed apart from the mark.
For Sheet Glass, Flat Glass, Plate Glass, Window Glass, Vertically Drawn Glass, and Case-Hardened Glass Sheets Known as Safety Glass.
Claims use since June 1, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 393,155. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed May 22, 1937. Under section 5b of the act of 1905 as amended in 1920.

Westinghouse

For Stokers and Stoker Parts, Steam Condensers, Propeller Blowers, Counterflow and Crossflow Heat Exchangers, and Air Conditioners.
Claims use since 1921, on stokers and stoker parts; since 1927, on steam condensers; since 1930, on propeller blowers and heat exchange apparatus; and since 1933, on air coolers and air conditioners.

Ser. No. 397,202. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Sept. 7, 1937.

LIVE HEAT

The word "Heat" is disclaimed apart from the mark.
For Oil Burners.
Claims use since Aug. 24, 1937.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 398,024. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Oct. 1, 1937.

'HOMOHIDE'

For Composition Packing in the Form of Gaskets, Molded Cups, and Other Forms for Pumps, Engines, Bodies, and the Like.
Claims use since June 28, 1937.

Ser. No. 398,930. THE PENNSYLVANIA RUBBER COMPANY OF AMERICA, Jeannette, Pa. Filed Oct. 25, 1937.

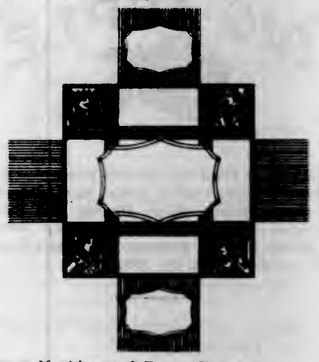
SUPER CRAFT

For Pneumatic Vehicle Tires.
Claims use since Aug. 3, 1937.

CLASS 37

Paper and Stationery

Ser. No. 385,343. CONSOLIDATED PAPER CO., INC., Brooklyn, N. Y. Filed Nov. 10, 1936.



For Paper Napkins and Paper Towels.
Claims use since July, 1927.

Ser. No. 396,315. HAWTHORNE PAPER COMPANY, Kalamazoo, Mich. Filed Aug. 12, 1937.

VISIONAID

For Writing Paper, Ledger Paper, Record Paper, and Printing Paper.
Claims use since July 30, 1937.

Ser. No. 397,339. MCCRORY STORES CORPORATION, New York, N. Y. Filed Sept. 11, 1937.

COURTLEIGH



The shield is printed in red, gray, and blue.
For Writing Paper, Writing Pads, and Envelopes.
Claims use since Aug. 9, 1937.

Ser. No. 397,779. STRONACH PAPER COMPANY, Rochester, Mich. Filed Sept. 24, 1937.

Flex-pak

The word "Pak" is disclaimed except as shown.
For Corrugated Sheets of Molded Paper Pulp.
Claims use since June 23, 1937.

Ser. No. 398,938. RHINELANDER PAPER COMPANY, Rhinelander, Wis. Filed Oct. 25, 1937.

LAMILUXE

For Laminated Glassine Paper.
Claims use since Oct. 4, 1937.

Ser. No. 399,017. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y. Filed Oct. 27, 1937.

BIPLEX

For Toilet Paper.
Claims use since July 29, 1937.

Ser. No. 399,045. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 28, 1937.

Delsey

For Toilet Tissue.
Claims use since Oct. 15, 1937.

CLASS 38

Prints and Publications

Ser. No. 398,550. LOUISE HARTLEY WASSELL, doing business as Leslie Hartley, Washington, D. C. Filed Oct. 15, 1937.

HISTORIGRAMS

For Feature Articles for Newspapers or Other Publications.
Claims use since Oct. 10, 1937.

Ser. No. 398,724. GLOBE PHOTO, INC., Greenville, S. C. Filed Oct. 20, 1937.

PERMATONE

For Photographic Prints.
Claims use since May 1, 1937.

Ser. No. 398,768. HUGO GERNSBACK, New York, N. Y. Filed Oct. 21, 1937.

NEW IDEAS

For Monthly Publication.
Claims use since Sept. 29, 1937.

Ser. No. 399,053. THE FRANK A. MUNSEY COMPANY, New York, N. Y. Filed Oct. 28, 1937.

DOUBLE DETECTIVE

For Monthly Magazine.
Claims use since Sept. 27, 1937.

CLASS 39
Clothing

Ser. No. 393,831. MORRIS FRIEDMAN CLOTHING CO., INC., New York, N. Y. Filed June 2, 1937.



The word "Clothes" is disclaimed apart from the mark.
For Men's, Young Men's, and Boys' Suits, Topcoats, and Overcoats.
Claims use since March, 1937.

Ser. No. 397,458. THE H. HARRIS COMPANY, St. Paul, Minn. Filed Sept. 15, 1937.



The words "Quality Sport Wear" are disclaimed apart from the mark.
For Sport Jackets Made of Leather, Wool, Leather and Wool, Fur, Fur and Wool.
Claims use since 1932.

Ser. No. 397,637. ROSENSTEIN & THALER, INC., New York, N. Y. Filed Sept. 22, 1937.



ANOTHER
"Princess Arlena"
Frock

The word "Frock" is disclaimed as a part of the mark.
The picture is fanciful.
For Dresses and Frocks for Children.
Claims use since Sept. 29, 1936.

Ser. No. 397,823. TINY-TOWN TOGS, INC., New York, N. Y. Filed Sept. 25, 1937.



The drawing is lined for red and green.
For Misses', Young Ladies', Girls', and Children's Beach Dresses, Beach Robes, Sport Dresses and Suits, Play Dresses, Play Blouses and Shorts, Play Suits, Wash Frocks, House Dresses, Dresses, Suits, and Smocks.
Claims use since Sept. 20, 1937.

Ser. No. 397,931. GREENSPOON CLOTHING CO., INC., St. Louis, Mo. Filed Sept. 29, 1937.



The words "The Topcoat" are disclaimed apart from the mark.
For Men's and Boys' Wearing Apparel—Namely, Topcoats and Overcoats.
Claims use since July 9, 1937.

Ser. No. 398,043. ALFRED C. GAUNT, Methuen, Mass. Filed Oct. 2, 1937.



The word "Ewe" is disclaimed apart from the mark.
For Suits and Coats for Men and Women.
Claims use since June 1, 1937.

Ser. No. 398,151. DEBUTANTE FROCKS INC., New York, N. Y. Filed Oct. 5, 1937.



The name "Paule Wood" is a facsimile signature of the treasurer of applicant corporation. The words "Stud Frock" are disclaimed apart from the mark.
For Ladies' and Misses' Dresses.
Claims use since Sept. 4, 1937.

Ser. No. 398,191. M. BORN & COMPANY, Chicago, Ill. Filed Oct. 6, 1937.



The words "Quality", "Value", and "Chicago" are disclaimed apart from the mark.
For Men's and Women's Suits, Coats, Trousers, and Dresses.
Claims use since July 1, 1937.

Ser. No. 398,589. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 16, 1937.

CANDLELIGHT CREPE

The word "Crepe" is disclaimed apart from the mark.
For Women's and Children's Hosiery.
Claims use since Sept. 27, 1937.

Ser. No. 398,590. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Oct. 16, 1937.

DAYLIGHT CREPE

The word "Crepe" is disclaimed apart from the mark.
For Women's and Children's Hosiery.
Claims use since Sept. 27, 1937.

Ser. No. 398,591. J. C. PENNEY COMPANY, New York, N. Y., and Wilmington, Del. Filed Oct. 16, 1937.

TWILIGHT CREPE

The word "Crepe" is disclaimed apart from the mark.
For Women's and Children's Hosiery.
Claims use since Sept. 27, 1937.

Ser. No. 398,602. THE ALLIGATOR COMPANY, St. Louis, Mo. Filed Oct. 18, 1937.

AQUAMIST

by ALLIGATOR

For Gabardine Raincoats and Street Coats for Men, Women, Misses, and Boys; Sport Jackets and Sport Coats for Golfing, Hunting, Fishing, Etc., for Men, Women, Misses, and Boys.
Claims use since Oct. 6, 1937.

Ser. No. 398,793. ROSE LANE GARMENT CO., INC., New York, N. Y. Filed Oct. 21, 1937.



The term "Trade Mark" is disclaimed apart from the mark.
For Ladies' Dresses, Suits, Uniforms, Aprons, and Children's Dresses.
Claims use since Oct. 1, 1937.

Ser. No. 398,808. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 22, 1937.

SUMMERESE

For Men's and Women's Underwear and Sport Shirts.
Claims use since Oct. 21, 1937.

CLASS 42
Knitted, Netted, and Textile Fabrics

Ser. No. 397,430. HARTMANN, INC., Garfield, N. J. Filed Sept. 14, 1937.



For Laces in the Piece and Embroidered Fabrics of Cotton, Linen, and Rayon.
Claims use since May, 1912.

Ser. No. 397,559. TOWN FABRICS, INC., New York, N. Y. Filed Sept. 18, 1937.



For Woven and Knitted Piece Goods Made Wholly or in Part of Cotton, Linen, Wool, Worsted, Silk, Synthetic Silk, or Combinations Thereof.
Claims use since July 1, 1937.

Ser. No. 398,386. BRAND & OPPENHEIMER, INC., New York, N. Y. Filed Oct. 12, 1937.

HACIENDA

For Suiting Fabrics of Rayon and Silk Sold as Piece Goods.
Claims use since Aug. 17, 1937.

Ser. No. 398,483. NATIONAL FABRICS CORPORATION, New York, N. Y. Filed Oct. 14, 1937.



The words "Custom Made Prints" are disclaimed apart from the mark.
For Textile Fabrics in the Piece—Namely, Silk Fabrics, Cotton Fabrics, Wool Fabrics, Rayon Fabrics, and Pile Fabrics Made of Silk and Rayon and Mixtures Thereof.
Claims use since Aug. 12, 1937.

CLASS 43

Thread and Yarn

Ser. No. 391,978. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Apr. 28, 1937.

POPCORN

For Knitting Yarns for Art Needlework.
Claims use since Apr. 12, 1937.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 398,661. THE BITTNER CORPORATION, New York, N. Y. Filed Oct. 19, 1937.

HANOVIA

For Soft and Hard Rubber Appliances, Such as Powder Blowers, Barrel Syringes, Breast Pumps, Ear and Ulcer Syringes, Infant Rectal Syringes, Enema and Antrum Syringes, "Politzer" Bags, Vaginal Syringes, Invalid Rings, Irrigator Tubing, Rubber-Heat Cured, Hospital Bed Sheeting, Rubber Tubing, Catheters, Rectal and Colon Tubes, Bougies, Irrigating Tips, Return Flow Colonic Tubes, "Levin's" Tubes, Duodenal Tubes, "Paine's" Nasal Feeding Tubes, Vaginal Pipes, in Addition to Articles of Hard Rubber, Such as Stop Cocks, Hearing Horns, Vaginal and Rectal Pipes, Nasal Nozzles, Pessaries, and Articles of Soft Rubber, Such as Dental and Surgical Instrument Bulbs, Ice Bags, Bed Pans, Fountain Syringes, Hot Water Bottles, Drainage Tubing, Stomach Tubes, Sponge Rubber, Operating Cushions.
Claims use since May 1, 1934.

Ser. No. 398,702. BAKER & COMPANY, INC., Newark, N. J. Filed Oct. 20, 1937.

Perfectocoll

For Reversible Colloid for Taking Dental and Surgical Impressions.
Claims use since 1934.

Ser. No. 398,885. BATTLE CREEK EQUIPMENT COMPANY, Battle Creek, Mich. Filed Oct. 25, 1937.

SUPERTHERM

For Short Wave and Ultra-Short Wave Therapeutic Apparatus.
Claims use since Oct. 19, 1937.

Ser. No. 399,279. THE ORTHODONTISTS SUPPLY CO. INC., Newark, N. J. Filed Nov. 3, 1937.

OSCO

For Orthodontic and Dental Devices, Materials and Supplies, Particularly Tooth Dryer Cups and Liners, Hard Round Wire, Round Tubing, Coil Springs, Half Round Wire, Band Material, Solder, Flux, Polishing Paste, Plier Racks, Ferrule Models, Soldering Jigs, Pliers, Elastic Containers, Intermaxillary Elastics, Giant Models, Napkin Clips, Burnishers, Ligature Holders, Sand Board Removing Pads, Bit Plane Guides, Hot Arch Adapter, Marking Plates for Gold, Elastic Carriers, Arch Wire, Ligature Wire, Surgical Silk, Pyorrhea Tape, Dental Floss, Dental Tape, Cleansing Erasers, Orthodontic Tooth Brushes, Orthodontic Pumice, Tweezers, Pin Vices, Orthodontic Files and Elastic Charts.
Claims use since July 15, 1937.

Ser. No. 399,310. MARTHA F. MCKESSON, doing business as McKesson Appliance Company, Toledo, Ohio. Filed Nov. 4, 1937.

Easor

For Gas Administering Apparatus and Parts Thereof.
Claims use since Oct. 9, 1937.

Ser. No. 399,375. SECRET HYGIENIC LABORATORIES, Chicago, Ill. Filed Nov. 5, 1937.

Secret

For Tampons.
Claims use since July 1, 1936.

CLASS 45

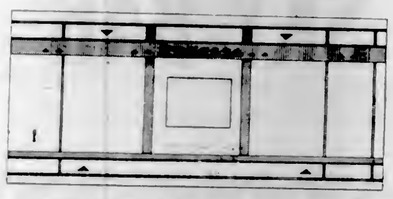
Beverages, Nonalcoholic

Ser. No. 397,578. HYDROX CORPORATION, Chicago, Ill. Filed Sept. 20, 1937.

HY-MIX

The word "Mix" is disclaimed apart from the mark.
For Sparkling Lithiated Lemon Soda Water.
Claims use since June 5, 1937.

Ser. No. 397,588. C. O. RODGERS, Detroit, Mich. Filed Sept. 20, 1937.



The drawing is lined for red and blue. The representation of the label is disclaimed apart from the mark.
For Non-Alcoholic Beverage Base Flavors.
Claims use since May 31, 1934.

Ser. No. 399,149. MIXOMINT CORPORATION, Vicksburg, Miss. Filed Oct. 30, 1937.

MIXOMINT

The word "Mint" is disclaimed apart from the mark.
For Maltless, Nonalcoholic Beverages Sold as Soft Drinks.
Claims use since July 1, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 388,972. BECHARAS BROS. COFFEE COMPANY, Detroit, Mich. Filed Feb. 16, 1937.

ROYAL YORK

The term "York" is disclaimed apart from the mark.
For Coffee and Tea.
Claims use since Dec. 1, 1936.

Ser. No. 392,786. EMIL A. BELLE, doing business as Belle Distributing Company, Syracuse, N. Y. Filed May 15, 1937.



For Mayonnaise and Salad Dressing.
Claims use since Dec. 1, 1936.

Ser. No. 393,270. FINGER LAKES AND HUDSON FLOUR MILLS, INC., Troy and Geneva, N. Y. Filed May 26, 1937.

ROBERT FULTON



The name "Robert Fulton" is that of the famous American engineer and inventor of the steam boat, now deceased.
For Rye Flours.
Claims use since May 5, 1937.

Ser. No. 394,425. BLUE BAR COCONUT COMPANY, Manila, P. I. Filed June 23, 1937.



The words "Palm Tree Coconut" are disclaimed except as shown.

For Desiccated, Shredded, and/or Processed Coconut, Powdered Coconut, Sweetened Coconut, Toasted Coconut, Coconut Flour, and Coconut Syrup Used as a Spread on Bread, Hot Cakes, and Waffles, and Also as a Food Flavoring Extract.

Claims use since Jan. 15, 1935.

Ser. No. 394,554. RICE GROWERS ASSOCIATION OF CALIFORNIA, doing business as Rice Growers Assn., Sacramento, Calif. Filed June 26, 1937.

SHASTA ROSE

The word "Shasta" is disclaimed apart from the mark. For Rice.

Claims use since June 4, 1937.

Ser. No. 397,167. AMERICAN POP CORN COMPANY, Sioux City, Iowa, doing business as National Pop Corn Company, Lima, Ohio. Filed Sept. 7, 1937.

MAGIC-POP

The word "Pop" is disclaimed apart from the mark. For Pop Corn in Its Natural State.

Claims use since Aug. 2, 1937.

Ser. No. 397,455. ROY RHEA, doing business as Manna-Miracle Company, Pittsburgh, Pa. Filed Sept. 15, 1937.

Manna-Miracle

For Special Health Compound in the Form of Bread.

Claims use since Aug. 6, 1937.

Ser. No. 398,314. HACIENDA FLORES, INC., Fort Lauderdale, Fla. Filed Oct. 9, 1937.



The portraits are those of Dolores Virginia Brown, Ethel Elizabeth Brown, and Janice Dorothy Brown. The representation of the fruits is disclaimed apart from the mark.

For Fresh Citrus Fruits, Avocados, Papayas, and Mangos.

Claims use since Sept. 13, 1937.

Ser. No. 398,469. THE FRANKLIN SUGAR REFINING COMPANY, Philadelphia, Pa. Filed Oct. 14, 1937.

Prismettes

For Sugar.

Claims use since Oct. 4, 1937.

Ser. No. 398,484. NEW ENGLAND CONFECTIONERY COMPANY, Cambridge, Mass. Filed Oct. 14, 1937.

SKY BAR

The word "Bar" is disclaimed apart from the mark. For Candy Bars.

Claims use since Aug. 26, 1937.

Ser. No. 398,511. JOHN M. WILSON, doing business as Eureka Feed Mills, Meridian, Miss. Filed Oct. 14, 1937.



For Horse and Mule Feed.

Claims use since June 30, 1937.

Ser. No. 398,552. THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Filed Oct. 16, 1937.

Colorettes

For Sugar.

Claims use since July 1, 1937.

Ser. No. 398,612. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif. Filed Oct. 18, 1937.

SEA LIGHT

For Lemons.

Claims use since Feb. 27, 1931.

Ser. No. 398,616. THE ENNS MILLING CO., Inman, Kans. Filed Oct. 18, 1937.



For Plain Wheat Flour, Self-Rising Wheat Flour, and Phosphated Wheat Flour.

Claims use since Aug. 16, 1934.

Ser. No. 398,777. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 21, 1937.

Double-Sicle

For Frozen Confections.

Claims use since Sept. 17, 1937.

Ser. No. 398,778. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 21, 1937.

SNO-SICLE

For Frozen Confections.

Claims use since Sept. 17, 1937.

Ser. No. 398,779. JOE LOWE CORPORATION, New York, N. Y. Filed Oct. 21, 1937.

WORLD'S FAIR

For Frozen Confections.

Claims use since Oct. 15, 1937.

Ser. No. 399,145. FRANCIS H. LEGGETT & COMPANY, New York, N. Y. Filed Oct. 30, 1937.

Firebrand

For Canned Salmon.

Claims use since Aug. 1, 1912.

Ser. No. 399,181. H. W. ENGELKING, Milwaukee, Wis. Filed Nov. 1, 1937.

H. W. Engelking's

The mark is in the handwriting of the applicant.

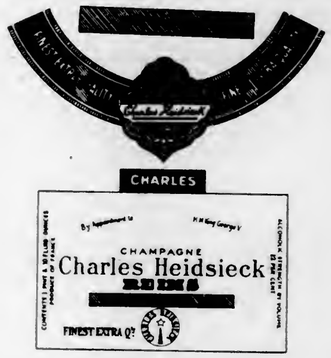
For Pork Sausage Seasoning.

Claims use since Oct. 22, 1937.

CLASS 47

Wines

Ser. No. 393,876. SOCIÉTÉ À RESPONSABILITÉ LIMITÉE CHARLES HEIDSIECK, Reims, France. Filed June 9, 1937.



The outlines of the rectangular labels and all wording except "Charles Heidsieck" and "Charles" are disclaimed

apart from the association shown. The facsimile signature is that of Charles Heidsieck, applicant's predecessor. The drawing is lined for green.

For Champagne Wine.

Claims use since December, 1936.

Ser. No. 397,023. COMEX TRADING CO., INC., New York, N. Y. Filed Sept. 2, 1937.



For Wines.

Claims use since May, 1937.

CLASS 48

Malt Beverages and Liquors

Ser. No. 398,649. LYNDON D. WOOD, Chicago, Ill. Filed Oct. 18, 1937.



The drawing is lined for green. The phrase "Pure Emulsion of Hops" is disclaimed apart from the mark.

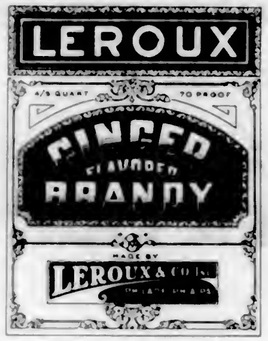
For Hops Emulsion.

Claims use since Apr. 1, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 399,049. LEROUX & CO., INC., Philadelphia, Pa. Filed Oct. 28, 1937.



No claim is made to the representation of the label per se, or to any wording except "Leroux" and applicant's name apart from the mark.

For Ginger Flavored Brandy.

Claims use since Dec. 10, 1936.

Ser. No. 399,162. L. BAMBERGER & CO., Newark, N. J. Filed Nov. 1, 1937.

BRANCH BROOK

For Whiskey, Cordials, Brandy, Rum, and Gin.

Claims use since June 4, 1937.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 392,547. MOISTURE PROOF FABRICS, INC., New York, N. Y. Filed May 10, 1937.

Mello-Sheen

The word "Sheen" is disclaimed apart from the mark.

For Waterproof Fabrics Containing No Rubber of any Kind.

Claims use since Feb. 3, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 21, 1937

352,945. CANNED VEGETABLES. TENNESSEE VALLEY ASSOCIATED COOPERATIVES, INCORPORATED, Knoxville, Tenn.

Filed December 8, 1934. Serial No. 359,096. PUBLISHED OCTOBER 12, 1937. Class 46.

352,946. CANNED VEGETABLES INCLUDING CANNED PEAS, STRING AND STRINGLESS BEANS, CORN, SUCCOTASH, AND BAKED BEANS. H. C. BAXTER & BRO., doing business as H. C. Baxter Bros. Co., Baxter Bros. Co., Snowflake Canning Company, Augusta Canning Company, Brunswick, Maine.

Filed January 10, 1935. Serial No. 360,088. PUBLISHED OCTOBER 12, 1937. Class 46.

352,947. HUMIDITY DEVICES IN THE NATURE OF HUMIDORS. ALEXANDER E. HERRON, Toronto, Ontario, Canada.

Filed July 22, 1935. Serial No. 367,536. PUBLISHED OCTOBER 5, 1937. Class 8.

352,948. STEEL WELL CASINGS, CONDUITS, PIPES, AND PIPE FITTINGS. WESTERN PIPE AND STEEL COMPANY OF CALIFORNIA, San Francisco, Calif.

Filed January 25, 1936. Serial No. 374,111. PUBLISHED OCTOBER 12, 1937. Class 13.

352,949. DEHYDRATED KELP USED AS A MINERAL FOOD SUPPLEMENT. VITA PRODUCTS COMPANY, Zeeland, Mich.

Filed June 11, 1936. Serial No. 379,579. PUBLISHED SEPTEMBER 29, 1936. Class 46.

352,950. COMPOSITION AND METAL ADVERTISING DEVICES OR SIGNS, LETTERS, AND NUMERALS IN THE FORM OF SHEETS, BOXES, SIMULATED ARTICLES OF MERCHANDISE AND THE LIKE. THE EMELOID CO. INCORPORATED, Arlington, N. J.

Filed July 11, 1936. Serial No. 380,908. PUBLISHED SEPTEMBER 28, 1937. Class 50.

352,951. CANNED SARDINES. VICTOR M. CALDERON CO., INC., New York, N. Y.

Filed September 26, 1936. Serial No. 383,672. PUBLISHED OCTOBER 12, 1937. Class 46.

352,952. FROZEN FOODS—NAMELY, FROZEN CHICKENS AND DUCKS. Z PROCESSES, INC., Jersey City, N. J., by change of name Z Pack Corporation.

Filed January 8, 1937. Serial No. 387,606. PUBLISHED OCTOBER 12, 1937. Class 46.

352,953. RAINCOATS FOR MEN MADE OF COTTON OR A MIXTURE OF COTTON AND WOOL, AND WHERE LININGS ARE PROVIDED SUCH LININGS MAY BE OF COTTON OR WOOL, OR COTTON AND WOOL, OR OF ARTIFICIAL SILK. SWALLOW RAINCOATS LIMITED, Birmingham, England.

Filed January 30, 1937. Serial No. 388,377. PUBLISHED OCTOBER 12, 1937. Class 39.

352,954. CANNED VEGETABLES—NAMELY, PORK AND BEANS, RED KIDNEY BEANS, MIXED VEGETABLES. FREMONT CANNING COMPANY, Fremont, Mich.

Filed February 24, 1937. Serial No. 389,311. PUBLISHED OCTOBER 12, 1937. Class 46.

352,955. WHISKEY. LONDON & CO., INC., Elizabeth, N. J.

Filed March 15, 1937. Serial No. 390,075. PUBLISHED APRIL 27, 1937. Class 49.

352,956. WATCHES, WATCH MOVEMENTS, AND WATCHCASES. ELGIN NATIONAL WATCH COMPANY, Elgin and Chicago, Ill.

Filed April 1, 1937. Serial No. 390,782. PUBLISHED MAY 25, 1937. Class 27.

352,957. WEARING APPAREL MADE OF KNITTED AND WOVEN MATERIALS—NAMELY, GLOVES, JUMPERS, DRESSES, PULLOVERS, SHAWLS, SOCKS, STOCKINGS, SHORT LEGGINGS, UNDERWEAR, AND VESTS, ADAPTED TO BE WORN BY WOMEN, MEN, AND CHILDREN. BERNHARD ALTMANN, Vienna, Austria.

Filed April 2, 1937. Serial No. 390,884. PUBLISHED OCTOBER 12, 1937. Class 39.

352,958. ELECTRICALLY OPERATED AIR CONDITIONING UNITS. THE COROZONE AIR CONDITIONING CORPORATION, Cleveland, Ohio.

Filed April 14, 1937. Serial No. 391,312. PUBLISHED OCTOBER 12, 1937. Class 34.

352,959. CANNED SARDINES. A/S EINAR HAUSVIK & CO., Bergen, Norway.

Filed May 4, 1937. Serial No. 392,276. PUBLISHED SEPTEMBER 7, 1937. Class 46.

352,960. HOSE CONSTRUCTED OF RUBBER, COTTON, AND WIRE. HERCULES COMPANY, Philadelphia, Pa.

Filed May 8, 1937. Serial No. 392,493. PUBLISHED JULY 27, 1937. Class 35.

352,961. MEN'S AND BOYS' LEATHER, RUBBER, AND FABRIC SHOES. ROGERS PEET COMPANY, New York, N. Y.

Filed May 10, 1937. Serial No. 392,556. PUBLISHED OCTOBER 12, 1937. Class 39.

352,962. FABRIC, OILED FABRIC, RUBBER, AND RUBBERIZED CLOTHING—NAMELY, JACKETS, COATS, PANTS, MEN'S HATS, SLEEVES, LEGGINGS, PONCHOS, APRONS FOR ORDINARY PERSONAL WEAR, GLOVES FOR ORDINARY PERSONAL WEAR, AND BOOTS. HERBERT A. GREENE, doing business as M. L. Snyder & Son, Philadelphia, Pa.

Filed May 13, 1937. Serial No. 392,689. PUBLISHED OCTOBER 12, 1937. Class 39.

352,963. LUBRICATING OILS, LUBRICATING GREASES, KEROSENE, AND GASOLINE. CORNELIS KNOPPE, doing business as Handels-Ondernemimg "Intermarina", Sotterdam, Netherlands.

Filed May 17, 1937. Serial No. 392,871. PUBLISHED SEPTEMBER 14, 1937. Class 15.

352,964. WOMEN'S AND GIRLS' HATS AND CAPS. GOLDSTEIN MILLINERY COMPANY, Chicago, Ill.

Filed May 21, 1937. Serial No. 393,056. PUBLISHED OCTOBER 12, 1937. Class 39.

352,965. NONALCOHOLIC FLAVORING EXTRACTS, SYRUPS, AND CONCENTRATES. ROMEO PARENT, doing business as Familex Products Company, Montreal, Quebec, Canada.

Filed May 24, 1937. Serial No. 393,204. PUBLISHED OCTOBER 12, 1937. Class 45.

352,966. COMBINATION DESK CALENDAR AND MEMORANDUM DEVICE. WALTER G. EDBORG, Santa Monica, Calif.

Filed June 1, 1937. Serial No. 393,481. PUBLISHED OCTOBER 5, 1937. Class 37.

352,967. GRANITE, MONUMENTAL STONE, GRANITE QUARRIED IN THE ROUGH, SAWED GRANITE, AND PARTLY FINISHED GRANITE. SOUTHERN QUARRYING COMPANY, Elberton, Ga.

Filed June 1, 1937. Serial No. 393,507. PUBLISHED OCTOBER 5, 1937. Class 1.

352,968. NEGLIGEE AND DRESS SHIRTS AND UNDERWEAR FOR MEN. CLUETT, PEABODY & CO., INC., Troy, N. Y.

Filed June 3, 1937. Serial No. 393,582. PUBLISHED OCTOBER 12, 1937. Class 39.

352,969. PADS USED IN CONNECTION WITH HAIR WAVING MACHINERY AND APPARATUS. RALPH L. DOMBROWER, Richmond, Va.
Filed June 9, 1937. Serial No. 393,844. PUBLISHED OCTOBER 12, 1937. Class 44.

352,970. CANNED VEGETABLES. CURTICE BROTHERS CO., Rochester, N. Y.
Filed June 11, 1937. Serial No. 393,941. PUBLISHED OCTOBER 12, 1937. Class 46.

352,971. CANNED VEGETABLES. CURTICE BROTHERS CO., Rochester, N. Y.
Filed June 11, 1937. Serial No. 393,942. PUBLISHED OCTOBER 12, 1937. Class 46.

352,972. DIESEL AND GASOLINE MOTOR TRUCKS, DIESEL AND GASOLINE BUSES, TRAILERS, AND COMMERCIAL TRUCK BODIES. CLYDESDALE MOTOR TRUCK COMPANY, Clyde, Ohio.
Filed June 14, 1937. Serial No. 394,021. PUBLISHED OCTOBER 12, 1937. Class 19.

352,973. LADIES' FOOTWEAR COMPRISING BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, FABRIC, AND OF A COMBINATION OF LEATHER AND FABRIC, AND HOSIERY. I. SIMON COMPANY, INC., New York, N. Y.
Filed June 17, 1937. Serial No. 394,199. PUBLISHED OCTOBER 12, 1937. Class 39.

352,974. BLOWERS USED IN CONNECTION WITH WARM AIR FURNACES, COMPLETE AIR-CONDITIONING UNITS EQUIPPED WITH FILTERS AND REFRIGERATORS. F. JADEN MANUFACTURING CO. INC., Hastings, Nebr.
Filed June 18, 1937. Serial No. 394,232. PUBLISHED OCTOBER 12, 1937. Class 34.

352,975. UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. RICHARDS, SUTTON & THORNTON, INC., New York, N. Y.
Filed June 19, 1937. Serial No. 394,305. PUBLISHED OCTOBER 12, 1937. Class 39.

352,976. PRINTED DISPLAY SIGNS AND ADVERTISING MATTER HAVING A SENSITIVE TO PRESSURE ADHESIVE COATING THEREON SOLD TO THE TRADE AS SUCH. MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed June 21, 1937. Serial No. 394,338. PUBLISHED OCTOBER 5, 1937. Class 38.

352,977. ADVERTISING FOLDERS AND THE LIKE SOLD AS SUCH IN TRADE. FANTUM VU, San Francisco, Calif.
Filed June 23, 1937. Serial No. 394,408. PUBLISHED OCTOBER 5, 1937. Class 38.

352,978. BRACKET CLAMP FOR SUPPORTING A FLASHLIGHT. DAVID A. VAUGHAN, Woodstock, N. Y.
Filed June 23, 1937. Serial No. 394,441. PUBLISHED OCTOBER 12, 1937. Class 13.

352,979. POULTRY AND LIVE STOCK FEED, AND SHELLED CORN, OATS, WHOLE MIXED GRAINS AND FITTING RATIONS FOR POULTRY AND LIVE STOCK FEEDING PURPOSES. ROY V. HARPER, doing business as Harper Grain Company, Pittsburgh, Pa.
Filed June 25, 1937. Serial No. 394,487. PUBLISHED OCTOBER 12, 1937. Class 46.

352,980. WATER HEATERS USING GASEOUS FUEL. ROSE MERFISH, Houston, Tex.
Filed June 25, 1937. Serial No. 394,499. PUBLISHED OCTOBER 12, 1937. Class 34.

352,981. SOLID AND FLUID FUEL HEATING BOILERS FOR STEAM AND HOT WATER. KING BROTHERS, Portland, Oreg.
Filed June 26, 1937. Serial No. 394,538. PUBLISHED OCTOBER 12, 1937. Class 34.

352,982. FRESH CITRUS FRUITS. DR. P. PHILLIPS COMPANY, Orlando, Fla.
Filed June 26, 1937. Serial No. 394,549. PUBLISHED OCTOBER 12, 1937. Class 46.

352,983. FRESH CITRUS FRUITS. DR. P. PHILLIPS COMPANY, Orlando, Fla.
Filed June 26, 1937. Serial No. 394,550. PUBLISHED OCTOBER 12, 1937. Class 46.

352,984. MEN'S FELT HATS, UNIFORM CAPS, AND CAPS FOR GENERAL WEAR. WORCESTER CAP COMPANY, Boston, Mass.
Filed June 26, 1937. Serial No. 394,567. PUBLISHED OCTOBER 12, 1937. Class 39.

352,985. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. FRENCH, SHRINER & URNER MANUFACTURING CO., Boston, Mass.
Filed June 28, 1937. Serial No. 394,596. PUBLISHED OCTOBER 12, 1937. Class 39.

352,986. MEN'S AND BOYS' PAJAMAS, DRESS SHIRTS, GLOVES MADE OF LEATHER OR FABRIC, AND HOSIERY. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed June 29, 1937. Serial No. 394,677. PUBLISHED OCTOBER 12, 1937. Class 39.

352,987. RAYON AND SILK PIECE GOODS. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed June 29, 1937. Serial No. 394,678. PUBLISHED OCTOBER 12, 1937. Class 42.

352,988. LADIES' AND MISSES' PANTIES, CHEMISES, SLIPS, DRESSING GOWNS, NIGHTGOWNS, PAJAMAS, BED JACKETS, UNDER AND OUTER VESTS, BLOOMERS, ETC. DORSAY SPECIALTY SHOP, INC., Flushing, N. Y.
Filed July 6, 1937. Serial No. 394,892. PUBLISHED OCTOBER 12, 1937. Class 39.

352,989. PREPARED MUSHROOM SAUCE. RUSSO & RINALDI, Los Angeles, Calif.
Filed July 6, 1937. Serial No. 394,911. PUBLISHED OCTOBER 12, 1937. Class 46.

352,990. ARTIFICIAL FLAVORING EXTRACTS FOR FOOD FLAVORING PURPOSES, PARTICULARLY LEMON FLAVORING AND VANILLA FLAVORING, TOMATO CATSUP, AND PEANUT BUTTER. WADHAMS & COMPANY, Portland, Oreg.
Filed July 6, 1937. Serial No. 394,921. PUBLISHED OCTOBER 12, 1937. Class 46.

352,991. TOMATO CATSUP, CANNED VEGETABLES—NAMELY, PEAS, GREEN BEANS, CORN, TOMATOES; CANNED FISH—NAMELY, SALMON, OYSTERS, AND SHRIMP; CANNED FRUIT—NAMELY, GRAPEFRUIT, OLIVES, PEACHES, APRICOTS, PINEAPPLE, AND PEARS. WADHAMS & COMPANY, Portland, Oreg.
Filed July 6, 1937. Serial No. 394,922. PUBLISHED OCTOBER 12, 1937. Class 46.

352,992. GASOLINE, KEROSENE, FUEL OILS, AND LUBRICATING OILS AND GREASES. JAMES S. WARREN, doing business as Red Cloud Refining Company, Crawford, Nebr.
Filed July 6, 1937. Serial No. 394,923. PUBLISHED SEPTEMBER 21, 1937. Class 15.

352,993. PIECE GOODS MADE OF ALL COTTON AND COTTON AND RAYON MIXTURES. GOLDING BROS. COMPANY, INC., New York, N. Y.
Filed July 7, 1937. Serial No. 394,940. PUBLISHED OCTOBER 12, 1937. Class 42.

352,994. WHISKY. ROBERT MCNISH & COMPANY, LIMITED, Glasgow, Scotland, and London, England.
Filed July 7, 1937. Serial No. 394,948. PUBLISHED OCTOBER 12, 1937. Class 49.

352,995. CORN DISTILLERS' DRIED GRAINS USED AS A FEED FOR ANIMALS. THE AMERICAN DISTILLING COMPANY, Pekin, Ill.
Filed July 8, 1937. Serial No. 394,965. PUBLISHED OCTOBER 12, 1937. Class 46.

352,996. BICYCLES. GAMBLE STORES INCORPORATED, Minneapolis, Minn.
Filed July 13, 1937. Serial No. 395,169. PUBLISHED OCTOBER 12, 1937. Class 19.

352,997. ADVERTISING DISPLAY STANDS, BASES, STANDARDS, AND PEDESTALS FOR LAMPS, BOOK ENDS, CANDLE STANDS, ETC. BOYNTON & COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,264. PUBLISHED OCTOBER 12, 1937. Class 32.

352,998. KNITTED AND WOVEN PIECE GOODS OF WORSTED, COTTON, SILK, RAYON, AND LINEN, AND COMBINATIONS OF THESE MATERIALS. WORCESTER KNITTING COMPANY, Worcester, Mass., and New York, N. Y.
Filed July 16, 1937. Serial No. 395,328. PUBLISHED OCTOBER 12, 1937. Class 42.

352,999. CANDLESTICKS. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed July 17, 1937. Serial No. 395,337. PUBLISHED OCTOBER 12, 1937. Class 34.

353,000. CHILDREN'S CLOTHING—NAMELY, DRESSES, SUITS, KNITTED AND LEATHER GLOVES, COATS, BATHING SUITS, PLAY SUITS, SCARFS, COLLAR AND CUFF SETS, AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed July 19, 1937. Serial No. 395,390. PUBLISHED OCTOBER 12, 1937. Class 39.

353,001. LUBRICATING OILS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed July 21, 1937. Serial No. 395,492. PUBLISHED OCTOBER 5, 1937. Class 15.

353,002. LACES IN THE PIECE. NATIVE LACE WORKS, INC., Hightstown, N. J., and New York, N. Y.
Filed July 26, 1937. Serial No. 395,649. PUBLISHED OCTOBER 12, 1937. Class 42.

353,003. MATERIAL FORMED OF VEGETABLE FIBERS IN SLIVER FORM WITH THE FIBERS ARRANGED SUBSTANTIALLY PARALLEL LONGITUDINALLY OF THE SLIVER. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Filed July 31, 1937. Serial No. 395,856. PUBLISHED OCTOBER 5, 1937. Class 50.

353,004. WOMEN'S, MISSES', AND CHILDREN'S SILK UNDERWEAR. VAN RAALTE COMPANY, New York, N. Y.
Filed July 30, 1937. Serial No. 395,848. PUBLISHED OCTOBER 12, 1937. Class 39.

353,005. MEN'S AND BOYS' OUTER SHIRTS, WORK SHIRTS, AND WORK UNIFORMS. LOUIS KOHN, New York, N. Y.
Filed July 30, 1937. Serial No. 395,827. PUBLISHED OCTOBER 12, 1937. Class 39.

353,006. WOMEN'S AND MISSES' DRESSES. HENRY GANS INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,821. PUBLISHED OCTOBER 12, 1937. Class 39.

353,007. WINES. EASTERN WINE CORPORATION, New York, N. Y.
Filed July 30, 1937. Serial No. 395,818. PUBLISHED OCTOBER 12, 1937. Class 47.

353,008. PIECE GOODS MADE FROM COMBINATIONS OF MOHAIR, COTTON, WOOL, ALPACA, CAMELHAIR, SILK, AND ARTIFICIAL SILK, ALSO WOOLEN, COTTON, MOHAIR, AND PLUSH PIECE GOODS. GOODALL WORSTED COMPANY, Sanford, Maine.
Filed July 24, 1937. Serial No. 395,789. PUBLISHED OCTOBER 12, 1937. Class 42.

353,009. MONTHLY MAGAZINE. HUGO GERNSBACK, doing business as Gadgets Magazine, New York, N. Y.
Filed July 29, 1937. Serial No. 395,755. PUBLISHED OCTOBER 5, 1937. Class 38.

353,010. LUBRICATING OILS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed July 21, 1937. Serial No. 395,493. PUBLISHED OCTOBER 5, 1937. Class 15.

353,011. BOOTS AND SHOES MADE OF LEATHER, FABRIC, COMPOSITIONS OR COMBINATIONS THEREOF. GRAY BROS., INC., New York, N. Y.
Filed July 22, 1937. Serial No. 395,524. PUBLISHED OCTOBER 12, 1937. Class 39.

353,012. CIGARS. ALBERT CANALEJO, doing business as A. Canalejo & Son, Tampa, Fla.
Filed July 23, 1937. Serial No. 395,562. PUBLISHED OCTOBER 5, 1937. Class 17.

353,013. SUBSTANCE FOR INDUCING ROOTS TO GROW ON CUTTINGS. PENNSYLVANIA CHEMICAL CORPORATION, Orange, N. J.
Filed July 23, 1937. Serial No. 395,591. PUBLISHED OCTOBER 12, 1937. Class 10.

353,014. CLOTHING—TO WIT, WOMEN'S AND CHILDREN'S PAJAMAS AND SLEEPING GARMENTS. BRAFMAN-BERZON, INC., New York, N. Y.
Filed July 30, 1937. Serial No. 395,808. PUBLISHED OCTOBER 12, 1937. Class 39.

353,015. LADIES' HAND BAGS. CLASSY LEATHER GOODS CORP., New York, N. Y.
Filed July 30, 1937. Serial No. 395,813. PUBLISHED OCTOBER 12, 1937. Class 3.

353,016. FELT HATS FOR MEN, WOMEN, AND CHILDREN. ETABLISSEMENTS B. FLÉCHET, Chazelles/s/Lyon, France.
Filed August 4, 1937. Serial No. 395,985. PUBLISHED OCTOBER 5, 1937. Class 39.

353,017. FERTILIZERS. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.
Filed August 5, 1937. Serial No. 396,026. PUBLISHED OCTOBER 12, 1937. Class 10.

353,018. CANNED VEGETABLES. FEDERATED FOODS, INC., Chicago, Ill.
Filed August 5, 1937. Serial No. 396,031. PUBLISHED OCTOBER 12, 1937. Class 46.

353,019. CANNED DOG FOOD. FEDERATED FOODS, INC., Chicago, Ill.
Filed August 5, 1937. Serial No. 396,032. PUBLISHED OCTOBER 12, 1937. Class 46.

353,020. CHEESE. NORTHERN WISCONSIN PRODUCE COMPANY, Manitowoc, Wis.
Filed August 5, 1937. Serial No. 396,041. PUBLISHED OCTOBER 12, 1937. Class 46.

353,021. MAGAZINE PUBLISHED PERIODICALLY. WESTERN STATES GROCERY COMPANY, Reno, Nev., and Oakland, Calif.
Filed August 5, 1937. Serial No. 396,054. PUBLISHED OCTOBER 5, 1937. Class 38.

353,022. DILL, SWEET, SOUR, AND MIXED PICKLES, CHOW CHOW, SWEET AND SOUR ONIONS, SWEET PICKLE RELISH, SALAD DRESSING, CATSUP, WORCESTERSHIRE SAUCE, MUSTARD, MUSTARD AND MUSTARD BRAN, VINEGAR, PEANUT BUTTER, AND HONEY. GREEN BAY FOOD COMPANY, Green Bay, Wis.
Filed August 6, 1937. Serial No. 396,077. PUBLISHED OCTOBER 12, 1937. Class 46.

353,023. DRIED BEANS. GLANZER BROS. INC., New York, N. Y.
Filed August 7, 1937. Serial No. 396,124. PUBLISHED OCTOBER 12, 1937. Class 46.

353,024. MAGAZINE. THE INDEPENDENT BUSINESS MAGAZINE, INC., Des Moines, Iowa.
Filed August 7, 1937. Serial No. 396,138. PUBLISHED OCTOBER 5, 1937. Class 38.

353,025. LADIES' AND CHILDREN'S KNITTED VESTS, BLOOMERS, PANTIES, NIGHT GOWNS, AND PAJAMAS, THE MATERIAL OF WHICH THE GOODS ARE MADE BEING RAYON. KINGSBORO SILK MILLS, INC., Gloversville, N. Y.
Filed August 9, 1937. Serial No. 396,192. PUBLISHED OCTOBER 12, 1937. Class 39.

353,026. LADIES' AND CHILDREN'S KNITTED VESTS, BLOOMERS, PANTIES, NIGHT GOWNS, AND PAJAMAS, THE MATERIAL OF WHICH THE GOODS ARE MADE BEING RAYON. KINGSBORO SILK MILLS, INC., Gloversville, N. Y.
Filed August 9, 1937. Serial No. 396,193. PUBLISHED OCTOBER 12, 1937. Class 39.

353,027. MEN'S AND YOUNG MEN'S COATS, VESTS, AND TROUSERS. LOUIS S. ROSE, doing business as Rose Brothers, New York, N. Y.
Filed August 9, 1937. Serial No. 396,205. PUBLISHED OCTOBER 12, 1937. Class 39.

353,028. PESSARY INTRODUCERS. JULIUS SCHMID, INC., New York, N. Y.
Filed August 9, 1937. Serial No. 396,206. PUBLISHED OCTOBER 12, 1937. Class 44.

353,029. WHISKEY. GRANADA VINEYARDS, INC., Cambridge, Mass.
Filed August 12, 1937. Serial No. 396,307. PUBLISHED OCTOBER 12, 1937. Class 49.

353,030. WOODEN HANDLES FOR AXES, HATCHETS, AND SIMILAR IMPLEMENTS. TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed August 13, 1937. Serial No. 396,375. PUBLISHED OCTOBER 12, 1937. Class 23.

353,031. WINES. K. ARAKELIAN, INC., Madera, Calif.
Filed August 14, 1937. Serial No. 396,381. PUBLISHED OCTOBER 12, 1937. Class 47.

353,032. RADIO RECEIVING SETS. THE HALLICRAFTERS, INC., Chicago, Ill.
Filed August 14, 1937. Serial No. 396,402. PUBLISHED OCTOBER 12, 1937. Class 21.

353,033. ELECTRIC ILLUMINATING DEVICES, HEATING DEVICES, COOKING DEVICES, REFRIGERATING DEVICES, DRYING AND VENTILATING DEVICES, ETC. FRIEDRICH WALTER KRAUSE, doing business as Firma Max Krause, Hamburg, Germany.
Filed August 14, 1937. Serial No. 396,409. PUBLISHED OCTOBER 12, 1937. Class 21.

353,034. SILK PIECE GOODS AND CREPE PIECE GOODS OF SILK AND/OR ARTIFICIAL SILK. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed August 14, 1937. Serial No. 396,423. PUBLISHED OCTOBER 12, 1937. Class 42.

353,035. MONTHLY PERIODICAL. MODERN MECHANIX PUBLISHING CO., Greenwich, Conn., and New York, N. Y.
Filed August 16, 1937. Serial No. 396,467. PUBLISHED OCTOBER 5, 1937. Class 38.

353,036. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed August 17, 1937. Serial No. 396,491. PUBLISHED OCTOBER 12, 1937. Class 42.

353,037. SECTION OR COLUMN APPEARING IN A NEWSPAPER OR PERIODICAL. NEA SERVICE, INC., Cleveland, Ohio.
Filed August 17, 1937. Serial No. 396,504. PUBLISHED OCTOBER 5, 1937. Class 38.

353,038. HAND OPERATED MASSAGE DEVICES. MARGARET J. HARRISON, New York, N. Y.
Filed August 18, 1937. Serial No. 396,536. PUBLISHED OCTOBER 12, 1937. Class 44.

353,039. SILK AND SYNTHETIC TEXTILE FABRICS IN THE PIECE. ROTH FABRICS CORPORATION, New York, N. Y.
Filed August 18, 1937. Serial No. 396,548. PUBLISHED OCTOBER 12, 1937. Class 42.

353,040. CHILDREN'S AND INFANTS' UNDERWEAR. THE WILLIAM CARTER COMPANY, Needham Heights, Mass.
Filed August 19, 1937. Serial No. 396,562. PUBLISHED OCTOBER 5, 1937. Class 39.

353,041. PLAIN AND PRINTED RAYON AND ACETATE CLOTH, FOR SILKS, RAYONS, AND TEXTILE MIXTURES OF SILK AND RAYON, ALL IN THE PIECE. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed August 19, 1937. Serial No. 396,563. PUBLISHED OCTOBER 12, 1937. Class 42.

353,042. SHEETS. CANNON MILLS COMPANY, Kannapolis, N. C.
Filed August 24, 1937. Serial No. 396,707. PUBLISHED OCTOBER 12, 1937. Class 42.

353,043. PLAIN AND PRINTED RAYON AND ACETATE CLOTH, FOR SILKS, RAYONS, AND TEXTILE MIXTURES OF SILK AND RAYON, ALL IN THE PIECE. CHOPAK TEXTILE CO. INC., New York, N. Y.
Filed August 27, 1937. Serial No. 396,803. PUBLISHED OCTOBER 12, 1937. Class 42.

353,044. WHISKEY. HERCULES LIQUOR PRODUCTS CORP., Brooklyn, N. Y.
Filed August 27, 1937. Serial No. 396,815. PUBLISHED OCTOBER 12, 1937. Class 49.

353,045. DENTAL FILLING ALLOY. GEORGE W. HINKSON, Media, Pa.
Filed August 27, 1937. Serial No. 396,816. PUBLISHED OCTOBER 12, 1937. Class 44.

353,046. EFFERVESCENT BEVERAGE. LANE & CAMPBELL, Providence, R. I.
Filed August 31, 1937. Serial No. 396,959. PUBLISHED OCTOBER 12, 1937. Class 45.

353,047. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES SOLD AS SOFT DRINKS. SNOW CREST BEVERAGES, INC., Salem, Mass.
Filed August 31, 1937. Serial No. 396,971. PUBLISHED OCTOBER 12, 1937. Class 45.

353,048. BEER. RIO GRANDE BREWING CORPORATION, Albuquerque, N. Mex.
Filed September 1, 1937. Serial No. 397,003. PUBLISHED OCTOBER 12, 1937. Class 48.

353,049. WHISKEY. BEN-BURK, INC., Boston, Mass.
Filed September 2, 1937. Serial No. 397,020. PUBLISHED OCTOBER 12, 1937. Class 49

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

353,050. (CLASS 39. CLOTHING.) MALCOLM FEINER, Brooklyn, N. Y. Filed Jan. 13, 1936. Serial No. 373,602.

Sans-Seam

For Ladies' Slips.
Claims use since Dec. 23, 1935.

353,051. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 17, 1936. Serial No. 379,824.

Kinkitufft

For Pile Fabrics Composed of Mohair and Cotton in the Piece.
Claims use since May 23, 1936.

353,052. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) A. B. CHANCE CO., Centralia, Mo. Filed Sept. 11, 1936. Serial No. 383,120.

PRE-FIT

For Piston Rings for Internal Combustion Engines.
Claims use since Dec. 6, 1934.

353,053. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PARR ELECTRIC EXPORT CORPORATION, Brooklyn, N. Y. Filed Oct. 21, 1936. Serial No. 384,624.

BLAKDUCT

For Electrical Conduits.
Claims use since Oct. 10, 1936.

353,054. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PARR ELECTRIC EXPORT CORPORATION, Brooklyn, N. Y. Filed Oct. 21, 1936. Serial No. 384,627.

ZINKDUCT

For Electrical Conduits.
Claims use since Oct. 10, 1936.

353,055. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) LAIRD AND COMPANY, Scobeyville and Eatontown, N. J. Filed Nov. 18, 1936. Serial No. 385,672.

OLD TILTON

For Brandy.
Claims use since Oct. 29, 1936.

353,056. (CLASS 12. CONSTRUCTION MATERIALS.) THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Nov. 18, 1936. Serial No. 385,678.

CAS-TO-FIT

For Castable Refractory Material.
Claims use since Jan. 15, 1935.

353,057. (CLASS 12. CONSTRUCTION MATERIALS.) THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Nov. 18, 1936. Serial No. 385,699.

PATCHTITE

For Plastic Fire Brick.
Claims use since Jan. 30, 1936.

353,058. (CLASS 12. CONSTRUCTION MATERIALS.) THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Nov. 18, 1936. Serial No. 385,700.

ROBINSON LAP-LOK

For Wall Coping.
Claims use since Apr. 7, 1934.

353,059. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM L. WETTLAUFER, Buffalo, N. Y. Filed Nov. 19, 1936. Serial No. 385,764.

Niagara

For Golf Clubs.
Claims use since Nov. 5, 1936.

353,060. (CLASS 17. TOBACCO PRODUCTS.) STEPHANO BROTHERS, Philadelphia, Pa. Filed Nov. 20, 1936. Serial No. 385,812.

TIPT

For Cigarettes.
Claims use since Nov. 6, 1936.

353,061. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 3, 1936. Serial No. 386,239.

MERIT

For Cigarettes.
Claims use since Oct. 28, 1936.

353,062. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 3, 1936. Serial No. 386,241.

TOKAY

For Cigarettes.
Claims use since Nov. 4, 1936.

353,063. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936. Serial No. 386,301.

TIPPERARY

For Cigarettes.
Claims use since Nov. 2, 1936.

353,064. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA SALMON COMPANY, San Francisco, Calif. Filed Dec. 7, 1936. Serial No. 386,396.

COLD WATER

For Canned Fish.
Claims use since Nov. 10, 1936.

353,065. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE GATES RUBBER COMPANY, Denver, Colo. Filed Dec. 19, 1936. Serial No. 386,942.

GATES

For Storage Batteries and Storage Battery Casings.
Claims use since Oct. 11, 1936.

353,066. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GALION METALLIC VAULT COMPANY, doing business as Hercules Steel Products Company, Galion, Ohio. Filed Mar. 6, 1937. Serial No. 389,731.

CENTER-LIFT

For Hoists.
Claims use since Sept. 1, 1936.

353,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACGREGOR FISHERIES LIMITED, Hull, England. Filed Mar. 9, 1937. Serial No. 389,835.

MACGREGOR

For Kippers, Bloaters, Finnan Haddocks, Being Smoked, Smoked Fillet, Fresh Cod Fillet, Tinned Fish, and Tinned Fish Pastes.
Claims use since Jan. 1, 1928.

353,068. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) F. W. PLANERT & SONS, INC., Chicago, Ill. Filed May 8, 1937. Serial No. 392,503.

The Worlds Best

For Ice Skates.
Claims use since Jan. 1, 1929.

353,069. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BURKE & JAMES, INC., Chicago, Ill. Filed June 14, 1937. Serial No. 394,016.

WATSON

For Cameras, Photo Enlargers, Camera Enlarging and Condensing Lenses, Electrical Mechanism for Photographic Time Exposing, Photographic Dark Room Equipment Such as Trimming Boards, Film and Plate Developing and Washing Trays, Scales, Film and Photographic Plates, Tripods Such as Camera and Lamp Supports, Exposure Timers, Switches Having a Particular Scientific and Peculiar Application and Construction Adapting Them for Use in the Photographic Art for Controlling Timers and Photographic Lighting Systems and Lighting Equipment Such as Flood and Flash Lights.
Claims use since May 1, 1934.

353,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PERONA BROTHERS, New York, N. Y. Filed June 14, 1937. Serial No. 394,048.

"EL MOROCCO"

For Bread in Loaves, Rolls, Pones, and Biscuits, Pastries, Pies, Cakes, Wafers, and Tarts.
Claims use since Apr. 1, 1932.

353,071. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DIVINE BROTHERS COMPANY, Utica, N. Y. Filed June 22, 1937. Serial No. 394,372.

MID WATE

For Truck Casters.
Claims use since May 1, 1933.

353,072. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PERLSTEIN BROTHERS, New York, N. Y. Filed Sept. 29, 1937. Serial No. 397,951.

PERLEY OAK BEND QUALITY

For Sole Leather.
Claims use since Jan. 1, 1934.

353,073. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REDA PUMP COMPANY, Bartlesville, Okla. Filed Oct. 2, 1937. Serial No. 398,063.

REDA

For Electrical Motor Driven Deep Well Pump Units.
Claims use since Oct. 20, 1926.

353,074. (CLASS 37. PAPER AND STATIONERY.) OREGON PULP AND PAPER COMPANY, Portland, Oreg. Filed Oct. 4, 1937. Serial No. 398,123.

OREGON BOND

For Bond, Book, Ledger, and Duplicating Paper.
Claims use since 1926.

353,075. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Oct. 14, 1937. Serial No. 398,500.

Brooklyn

For Shoe Satin in the Piece Made of Silk, Artificial Silk, Cotton, and/or Combinations Thereof.
Claims use since 1917.

353,076. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COLLINS & AIKMAN CORPORATION, Philadelphia, Pa., and New York, N. Y. Filed Oct. 19, 1937. Serial No. 398,666.

"KURLIFIR"

For Pile Fabrics Made of Cotton, Silk, Wool, Mohair, Synthetic Fibers, and/or Combinations Thereof in the Piece and Cut Lengths.
Claims use since Apr. 28, 1936.

TRADE-MARK REGISTRATIONS RENEWED

114,620. SILK FABRICS IN THE PIECE. Registered December 26, 1916. THE BRAINERD AND ARMSTRONG Co., New London, Conn. Renewed December 26, 1936, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, successor.

118,048. HANDKERCHIEFS. Registered October 16, 1917. BRANDON, MAGNUS & LEON INC. Renewed October 16, 1937, to S. W. Magnus Handkerchief Co., Inc., New York, N. Y., a corporation of New York, assignee.

119,489. MEDICINAL PREPARATIONS ON THE ORDER OF THE BULGARIAN BACILLUS. Registered November 27, 1917. THE ARLINGTON CHEMICAL Co. Renewed November 27, 1937, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York, assignee.

119,575. AN AUTOMOBILE AND FURNITURE POLISH. Registered November 27, 1917. ROSS GLOSS Co., Auburndale, Mass. Renewed November 27, 1937, to Ross Gloss Co., Boston, Mass., a firm.

119,742. MEDICINAL PREPARATIONS FOR INTERNAL USE. Registered December 11, 1917. MCKESSON & ROBBINS, INCORPORATED, New York, N. Y. Renewed December 11, 1937, to McKesson & Robbins, Incorporated, Fairfield, Conn., a corporation of Maryland, assignee.

120,316. OLEOMARGARIN. Registered February 5, 1918. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed February 5, 1938.

120,359. COUGH-TABLETS. Registered February 5, 1918. DAVIES, ROSE & COMPANY, LIMITED, Boston, Mass., a corporation of Massachusetts. Renewed February 5, 1938.

120,417. CANDY. Registered February 5, 1918. PACKAGE CONFECTIONERY Co., Boston, Mass. Renewed February 5, 1938, to Edgar P. Lewis & Sons, Inc., Malden, Mass., a corporation of Massachusetts, successor.

120,873. SALAD-DRESSING. Registered March 12, 1918. FRANCIS H. LEGGETT & COMPANY, New York, N. Y., a corporation of New York. Renewed March 12, 1938.

120,990. CERTAIN NAMED FOODS. Registered March 19, 1918. MORRIS & COMPANY. Renewed March 19, 1938, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

121,160. A MEDICINAL RESTORATIVE TONIC. Registered April 16, 1918. G. W. CARNRICK Co., New York, N. Y. Renewed April 16, 1938, to G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey, assignee.

121,208. PREPARED MUSTARD, INDIA RELISH, SALAD-DRESSING, CHILI SAUCE, CANE AND MAPLE SYRUP. Registered April 16, 1918. B. A. RAILTON Co., Chicago, Ill., a corporation of Illinois. Renewed April 16, 1938.

121,250. GAGES AND SIZE-STICKS FOR FITTING SHOES. Registered April 23, 1918. ELMER J. BLISS, Boston, Mass.. Renewed April 23, 1938, to Regal Shoe Company, New York, N. Y., a corporation of Massachusetts, assignee.

121,409. SOAPS. Registered April 30, 1918. COLGATE & Co., Jersey City, N. J., and New York, N. Y. Renewed April 30, 1938, to Colgate-Palmolive-Peet Company Jersey City, N. J., a corporation of Delaware, assignee.

121,474. COTTON, LINEN, SILK, AND WOOLEN PIECE GOODS AND ADMIXTURES OF SAME. Registered April 30, 1918. MORRIS & COMPANY, INC., Baltimore, Md., a corporation of Maryland. Renewed April 30, 1938.

121,510. WATCH-MOVEMENTS. Registered April 30, 1918. BYRON L. STRASBURGER. Renewed April 30, 1938, to Bayer, Pretzfelder & Mills, Inc., New York, N. Y., a corporation of New York, assignee.

121,545. EXTRACT IN LIQUID AND POWDERED FORM USED AS CORE-BINDER IN MANUFACTURING IRON CASTINGS. Registered May 7, 1918. THE CHAMPION FIBRE COMPANY. Renewed May 7, 1938, to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio, successor.

121,585. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered May 14, 1918. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 14, 1938.

121,586. CERTAIN NAMED ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. Registered May 14, 1918. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed May 14, 1938.

121,599. TRADE AND CREDIT PUBLICATION ISSUED MONTHLY AND SEMI-ANNUALLY. Registered May 14, 1918. THE CREDIT CLEARING HOUSE, New York, N. Y., a corporation of New Jersey. Renewed May 14, 1938.

121,654. CERTAIN NAMED DENTAL, MEDICAL, AND SURGICAL APPLIANCES. Registered May 14, 1918. JOSEPH A. RAINVILLE, Lewiston, Maine. Renewed May 14, 1938.

121,659. TRANSMISSION-OIL, LUBRICATING-GREASE, MOTOR-OIL, AND GASOLENE. Registered May 14, 1918. WILLIAM C. ROBINSON & SON COMPANY, Baltimore, Md., a corporation of Maryland. Renewed May 14, 1938.

121,681. STORAGE BATTERIES. Registered May 14, 1918. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio, a corporation of West Virginia. Renewed May 14, 1938.

121,695. CERTAIN NAMED FURNITURE AND UPHOLSTERY. Registered May 21, 1918. TOM B. BURNETT, doing business as Tom B. Burnett & Company, Dallas, Tex. Renewed May 21, 1938.

121,696. CERTAIN NAMED FURNITURE AND UPHOLSTERY. Registered May 21, 1918. TOM B. BURNETT, doing business as Tom B. Burnett & Company, Dallas, Tex. Renewed May 21, 1938.

121,697. CERTAIN NAMED FURNITURE AND UPHOLSTERY. Registered May 21, 1918. TOM B. BURNETT, doing business as Tom B. Burnett & Company, Dallas, Tex. Renewed May 21, 1938.

121,698. CERTAIN NAMED FURNITURE AND UPHOLSTERY. Registered May 21, 1918. TOM B. BURNETT, doing business as Tom B. Burnett & Company, Dallas, Tex. Renewed May 21, 1938.

121,717. MAILING-TUBES, MAILING-BAGS, MAILING-BOXES, COLLAPSIBLE MAILING-BOXES, MAILING-FOLDERS, AND MAILING-WRAPPERS. Registered May 21, 1918. INTERNATIONAL MAILING TUBE AND WRAPPER CO., Brooklyn, N. Y. Renewed May 21, 1938, to International Mailing Tube and Wrapper Company, Long Island City, N. Y., a corporation of New York.

LABELS

REGISTERED DECEMBER 21, 1937

50,483.—*Title:* AMMEN'S. For Invisible Skin Powder for Men. CHARLES AMMEN COMPANY, LTD., Alexander, La. Published September 27, 1937.

50,484.—*Title:* CILOBANA AD–6. For a Supplemental Food Product Composed of Dried Vegetables and Animal Material, Animal and Vegetable Oils. ANABOLIC FOOD PRODUCTS, INC., Chicago, Ill. Published November 2, 1937.

50,485.—*Title:* DESERT CLUB. For Straight Bourbon Whiskey. JOSEPH J. APPEL, Red Mountain, Calif. Published March 10, 1937.

50,486.—*Title:* JUNIOR CLIQUE FROCKS. For Frocks. BARMON BROTHERS COMPANY, INC., Buffalo, N. Y. Published November 26, 1937.

50,487.—*Title:* BEECH-NUT DRIP GRIND COFFEE. For Drip Grind Coffee. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published November 4, 1937.

50,488.—*Title:* GRAND POP POP CORN. For Popcorn. H. DE WITT CRETORS, doing business as C. Cretors & Co., Chicago, Ill. Published November 18, 1937.

50,489.—*Title:* WHEATMIX. For Breakfast Food. DWARFIES CORPORATION, Council Bluffs, Iowa. Published February 10, 1937.

50,490.—*Title:* SAUCY SAUCE. For Sauce. RUTH S. EAGAN, Santa Barbara, Calif. Published June 24, 1937.

50,491.—*Title:* LET US SHOW WHAT NATURE KNOWS. For Cosmetics. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo. Published April 22, 1937.

50,492.—*Title:* SKALP AID. For a Preparation for the Eradication of Dandruff. ENGER DRUG CO., West Fargo, N. Dak. Published October 1, 1937.

50,493.—*Title:* CHEVRON. For California Claret Wine. FLORIDA FRUIT INDUSTRIES, INC., Orlando, Fla. Published September 10, 1937.

50,494.—*Title:* BEE-SWEET. For Honey Flavored Syrup. THE HUBINGER CO., Keokuk, Iowa, Published October 1, 1937.

50,495.—*Title:* 'COUNTRY CLUB' HONEY GRAHAM CRACKERS. For Graham Crackers. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio. Published October 15, 1937.

50,496.—*Title:* WASHINGTON MAID ICE CREAM. For Ice Cream. MENASHA PRODUCTS COMPANY, Menasha, Wis. Published November 15, 1937.

50,497.—*Title:* MEYENBERG. For Evaporated Goat Milk. MEYENBERG MILK PRODUCTS CO., Salinas, Calif. Published October 26, 1937.

50,498.—*Title:* ALICE HOLIDAY. For Assorted Chocolates. BEN MYERSON, INC., Los Angeles, Calif. Published October 5, 1937.

50,499.—*Title:* BENNY'S. For Candy. BEN MYERSON, INC., Los Angeles, Calif. Published October 5, 1937.

50,500.—*Title:* BLACK JACK LAGER BEER. For Lager Beer. NEW PHILADELPHIA BREWERY, INC., New Philadelphia, Ohio. Published October 12, 1937.

50,501.—*Title:* CHIEF OSHKOSH. For Lager Beer. THE OSHKOSH BREWING CO., Oshkosh, Wis. Published November 11, 1937.

50,502.—*Title:* BEADS. For Plain Carbonated Water. PHILLIPS BROS., Baltimore, Md. Published June 15, 1937.

50,503.—*Title:* CHICK-N-RICH. For a Food for Cats and Dogs. POULTRY FOOD PRODUCTS INC., Chicago, Ill. Published October 15, 1937.

50,504.—*Title:* MORNING AFTER. For a Mixer Beverage. RED ARROW BOTTLING WORKS, Detroit, Mich. Published October 15, 1937.

50,505.—*Title:* LINOQUICK. For Water-Proof Finish for Floors, Linoleums, and All Exterior and Interior Finishes. RED SPOT PAINT & VARNISH CO., Evansville, Ind. Published November 15, 1937.

50,506.—*Title:* EUREKA. For Raisins. ROSENBERG BROS. & CO., San Francisco, Calif. Published Sept. 25, 1937.

50,507.—*Title:* PENNANT SYRUP. For Syrup. UNION STARCH AND REFINING COMPANY, Columbus, Ind. Published October 16, 1937.

50,508.—*Title:* JOON TURTLE OIL COMPOUND. For a Turtle Oil Compound. UNITED WESTERN LABORATORIES INC., Denver, Colo. Published September 15, 1937.

50,509.—*Title:* ONE FRIEND TELLS ANOTHER. For Tablets for Relief of Gastritis and Stomach Ulcers Caused by Gastric Hyper-Acidity and for Relief of Acid Stomach and Acid Gastric Ulcers. OMAHA VON COMPANY, Omaha, Nebr. Published October 15, 1937.

50,510.—*Title:* PINEMALT COUGH-NIPS. For Cough Candy. WINDT CHEMISTS, INC., New York, N. Y. Published June 10, 1937.

50,511.—*Title:* VITAMIN 'D' TOWN TALK BREAD. For Bread. WORCESTER BAKING CO., Worcester, Mass. Published October 11, 1937.

PRINTS

REGISTERED DECEMBER 21, 1937

16,614.—*Title:* 4 YOUR SWEET 2TH MACFARLANE CANDY. For Candy. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published November 12, 1937.

16,615.—*Title:* NUTS "2U" AWFUL FRESH MACFARLANE. For Nuts. AWFUL FRESH MACFARLANE, Oakland, San Francisco, and Berkeley, Calif. Published November 19, 1937.

16,616.—*Title:* BEMIS WATERPROOF BAGS. For Waterproof Bags. BEMIS BRO. BAG CO., St. Louis, Mo. Published October 27, 1937.

16,617.—*Title:* BEMIS WATERPROOF BAGS. For Waterproof Bags. BEMIS BRO. BAG CO., St. Louis, Mo. Published October 27, 1937.

16,618.—*Title:* BEMIS WATERPROOF BAGS. For Waterproof Bags. BEMIS BRO. BAG CO., St. Louis, Mo. Published November 22, 1937.

16,619.—*Title:* YOUR KEY TO SMILES. For Receptacle Openers. BUCHANAN & COMPANY, INC., New York, N. Y. Published July 30, 1937.

16,620.—*Title:* HOLDS LIKE A FULL NELSON. For Wire Fence. CONTINENTAL STEEL CORPORATION, Kokomo, Ind. Published November 11, 1937.

16,621.—*Title:* FLEX-O-FIX—PLASTIC—ELASTIC. For a Plastic Rubber Material. FRUND PRODUCTS COMPANY, Chicago, Ill. Published November 1, 1937.

16,622.—*Title:* LAWSON LITTLE LORD OF THE LINKS "A BREAKFAST OF CHAMPIONS—THE TOPS WINTER AND SUMMER!" For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 23, 1937.

16,623.—*Title:* FOR ALL THE CHILDREN OF AMERICA . . . AMERICA'S GREATEST MILLER SETS OUT TO PRODUCE A PERFECT BREAKFAST CEREAL! For Cereal Food. GENERAL MILLS, INC., Minneapolis, Minn. Published November 19, 1937.

16,624.—*Title:* CHRISTMAS-IN-COOKIES! For Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published November 16, 1937.

16,625.—*Title:* ALLUR-RING. For Finger Rings. NAT LEVY-URIE MANDLE CORPORATION, New York, N. Y. Published July 19, 1937.

16,626.—*Title:* JITTERS. For a Setup. NATURAL SET-UP SALES CORPORATION, St. Louis, Mo. Published August 30, 1937.

16,627.—*Title:* WHAT THE RADIO BEAM DOES FOR THE PILOT PARKER'S TELEVISION PEN DOES FOR YOU. For Fountain Pens, Mechanical Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published October 23, 1937.

16,628.—*Title:* FUN-L-PAK. For Grease. SOUTHWEST GREASE AND OIL COMPANY, Wichita, Kans. Published October 12, 1937.

16,629.—*Title:* WILLSON DAY AND NIGHT GOGGLES. For Day and Night Goggles. WILLSON PRODUCTS, INC., Reading, Pa. Published October 21, 1937.

16,630.—*Title:* WILLSON SPORT GOGGLES. For Sport Goggles. WILLSON PRODUCTS, INC., Reading, Pa. Published October 21, 1937.

16,631.—*Title:* PINEMALT COUGH LOLLI-PALS. For Cough Candy. WINDT CHEMISTS, INC., New York, N. Y. Published August 5, 1937.

REISSUES

DECEMBER 21, 1937

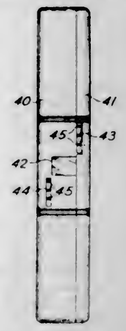
20,595

FILM MAGAZINE

Nils Bouveng, Elgo, Sweden, assignor, by mesne assignments, to Eastman Kodak Company, Jersey City, N. J., a corporation of New Jersey

Original No. 1,984,111, dated December 11, 1934, Serial No. 526,027, March 28, 1931. Application for reissue January 26, 1937, Serial No. 122,415

9 Claims. (Cl. 88—17)



8. A reversible magazine for motion picture apparatus comprising side walls and an edge wall, cores mounted between said side walls, one core having a driving means at one end and the other core having a driving means at the other end, a film strip provided with perforated edges, wound on said cores and extending therebetween, and means for guiding the intermediate portion of said film strip along said edge wall, said edge wall being provided with a pair of slots, one slot being in line with the perforations along one edge of said film strip and the other slot being in line with the perforations along the other edge of said film strip, and said edge wall with respect to said slots being symmetrically apertured for alternative co-operation with an exposure opening in said motion picture apparatus respectively during reversed positions of said magazine therein whereby oppositely extending longitudinal series of images on the film strip may be alternately exposed.

20,596

PROCESS FOR MANUFACTURING MOTOR FUEL

Jack Francis Mahon Taylor and Bernard Sutro Greensfelder, San Francisco, and Russell Norman Shiras, Long Beach, Calif., assignors, by direct and mesne assignments, of one-half to Shell Development Company, San Francisco, Calif., a corporation of Delaware, and one-half to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Original No. 2,055,455, dated September 22, 1936, Serial No. 607,010, April 22, 1932. Application for reissue October 4, 1937, Serial No. 167,250

11 Claims. (Cl. 44—9)

11. A gasoline whose active fuel component consists of a mixture of a hydrocarbon fraction comprising saturated hydrocarbons boiling within the gasoline range, and which is substantially free of the normal hydrocarbons containing less than six carbon atoms in a molecule, said fractions having a vapor pressure lower than that of the normal gasoline and a quantity of an isopentane fraction which is in excess of that normally present in the gasoline and is sufficient to raise the vapor pressure of the fuel to that of the normal gasoline and to enhance its antiknock rating.

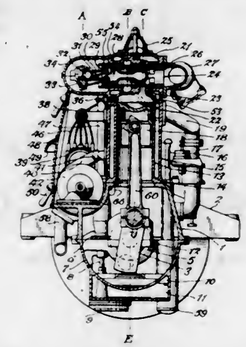
20,597

INTERNAL COMBUSTION ENGINE

Lucian C. Jackson, Buffalo, N. Y.

Original No. 1,898,963, dated February 21, 1933, Serial No. 314,279, July 30, 1919, which is a division of application November 9, 1914, Serial No. 871,042, now Patent No. 1,314,487, dated August 26, 1919. This application for reissue February 21, 1935, Serial No. 7,580

19 Claims. (Cl. 123—195)



1. In an internal combustion engine, having a cylinder with a combustion chamber, in combination with a source of fuel supply, a crank shaft and means for rotating said crankshaft, electrical generating apparatus for furnishing ignition for the fuel in said combustion chamber, means to operate said electrical generating apparatus from said crank shaft a crank case, means to lubricate said operating means from said crankcase and means formed from said cylinder to entirely enclose said electrical generating apparatus on said engine.

20,598

PACKING CONTAINER

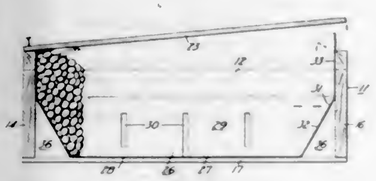
Moses P. Mosesian, Fresno, Calif.

Original No. 1,933,869, dated November 7, 1933, Serial No. 592,918, February 15, 1932. Application for reissue July 5, 1935, Serial No. 29,894

4 Claims. (Cl. 217—40)

1. A packing container for use in shipping fresh fruits comprising a receptacle including a lid, a bottom having a plurality of apertures therein, a pair of side walls and a pair of end walls join-

ing and projecting above said side walls; said lid together with said side walls forming apertures for the passage of air currents, and an insert engaging said bottom, said side walls and said end walls; said insert including a pair of inclined slotted ends and a pair of inclined slotted sides to provide, in conjunction with said receptacle, a continuous passageway within said container communicating with the exterior thereof



through the apertures in said bottom and with the interior of the insert through said slotted ends and said slotted sides whereby said fruit is subjected to circulating air, said insert also including extensions on said inclined ends each of which is foldable upon itself so as to overlie a portion of the receptacle adjacent an end wall to protect the contents of the container from being crushed against an end wall upon fitting a lid to the receptacle.

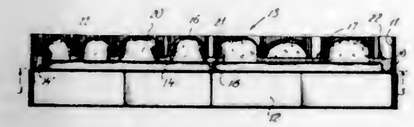
20,599

DISPLAY DEVICE

Louis E. Shaw, East Orange, N. J., assignor to Adartcraft, Incorporated, New York, N. Y., a corporation of Delaware

Original No. 1,968,915, dated August 7, 1934, Serial No. 604,930, April 13, 1932. Application for reissue December 20, 1935, Serial No. 55,431

39 Claims. (Cl. 40—126)



1. A display device, comprising a base, and a plurality of elevated members secured thereon with substantially large areas of the base exposed between certain of the members, for the reception of individual members, said members representing the articles to be displayed.

20,600

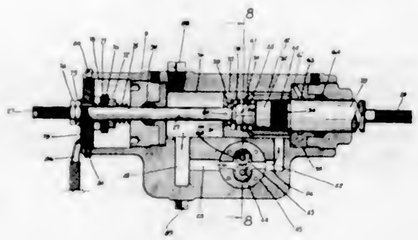
FLUID POWER CONTROLLING MECHANISM

Edwin G. Staude, Minneapolis, Minn.

Original No. 1,921,590, dated August 8, 1933, Serial No. 375,846, July 3, 1929. Application for reissue December 26, 1933, Serial No. 703,985

47 Claims. (Cl. 188—152)

1. A brake control comprising a fluid circulating system including intercommunicating passages, a pedal, brake-applying means, a valve member and valve seat member cooperable therewith for controlling flow through the fluid system, one of the members being connected to the pedal and the other to the brake-applying



means, small pump gears for controlling pressure in the system, means for operating said gears at high velocity, and means operable by pedal movement to braking position to initiate operation of said gear operating means.

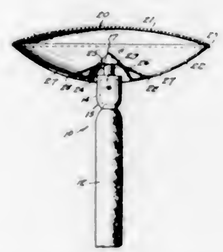
20,601

SNAP FASTENER

Frank Thiele, Brooklyn, N. Y., assignor, by mesne assignments, to Dependable Tuft Corporation, Philadelphia, Pa., a corporation of Delaware

Original No. 2,013,528, dated September 3, 1935, Serial No. 742,686, September 4, 1934. Application for reissue December 21, 1936, Serial No. 118,011

2 Claims. (Cl. 24—90)



1. A tufting device for mattresses, cushions and the like, comprising a flexible fabric member, a male member having one end hollow for receiving one end of the flexible fabric member, said hollow end being crimped about said fabric member to securely fasten same together, the opposite end of said male member having a reduced neck terminating in an enlarged cone head, a tufting button adapted to be permanently attached to said male member, said button having an annular dished bottom portion provided with an apertured collar centrally thereof, a plurality of spaced prongs radially of the collar and intermediate the circumference of the button and the collar struck integrally out of said bottom, said prongs being folded back with their free ends overlapping the edge of said collar, whereby the cone head of the male member may extend through the apertured collar beyond the free ends of the prongs and be entrapped by said free ends springing into position below the base of the cone head.

20,602

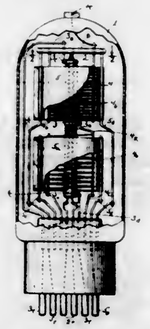
VACUUM TUBE

Samuel Ruben, New Rochelle, N. Y., assignor, by mesne assignments, to Revelation Patents Holding Company, New York, N. Y., a corporation of Delaware

Original No. 1,815,931, dated July 28, 1931, Serial No. 426,828, February 8, 1930. Reissue No. 18,367, dated March 1, 1932, Serial No. 582,168, December 19, 1931. This application for reissue June 11, 1936, Serial No. 84,779

8 Claims. (Cl. 250—27.5)

1. An electron discharge device comprising an envelope containing a plurality of triode units, each unit consisting of an electron emission element, a grid element and a plate element, said plates being electrically separate within said device, the grid element of one unit being con-

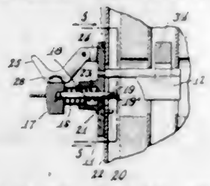


nected directly to the electron emission element of another unit.

PATENTS

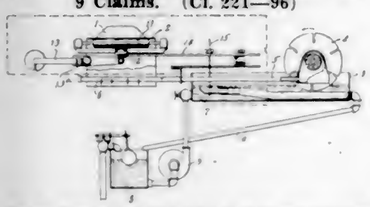
GRANTED DECEMBER 21, 1937

2,102,583
SAFETY DEVICE FOR LOCKS
Henry Alberg, Millstadt, Ill.
Application December 21, 1936, Serial No. 116,861
In Canada January 2, 1936
2 Claims. (Cl. 70—424)



1. A device of the character described comprising, in combination, a plate, an extension on said plate adapted for insertion into the keyhole of a lock, yieldably mounted means including a hand grip mounted on said plate adapted to retain the device in place, and a lock lever pivotally mounted on said plate movable into position for locking engagement by said hand grip to lock said retaining means.

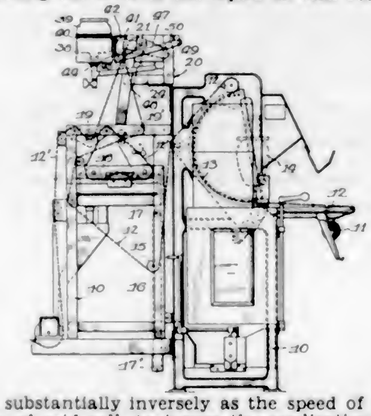
2,102,584
AUTOMATIC PROPORTIONING DEVICE
Davis Brown, Los Angeles, Calif.
Application July 1, 1936, Serial No. 88,390
9 Claims. (Cl. 221—96)



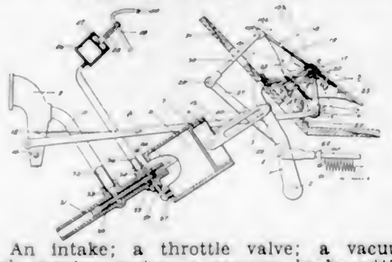
1. In a device of the character described, the combination of: a belt conveyor for continuously feeding comminuted material at a substantially uniform volumetric rate, a feeding hopper provided with an outlet of predetermined cross-sectional area adapted to supply comminuted material to said conveyor, liquid feeding means, pump means for supplying liquid to said liquid feeding means, drive means for simultaneously driving said conveyor and pump at uniform speeds, and means responsive to variations in weight of comminuted material carried by said conveyor for by-passing said liquid feeding means and varying the output of said liquid feeding means.

2,102,585
MEANS AND A METHOD FOR APPLYING DEVELOPER TO A MOVING PRINT
Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Application December 16, 1936, Serial No. 116,181
13 Claims. (Cl. 95—94)

1. Apparatus for applying liquid to a traveling sheet of material, comprising a receptacle for liquid, a roll mounted to dip in said liquid and to contact with said traveling sheet, whereby rotation of said roll results in conveying a layer of liquid to said traveling sheet at the line of contact with said roll, and means for raising and lowering the level of the liquid in said receptacle substantially inversely as the speed of rotation of said roll, to insure the application of a substantially uniform layer of liquid to said sheet, regardless of variations in the rate of travel thereof.



2,102,586
MOTOR CAR CONTROL MECHANISM
Ray G. Coates, Pasadena, Calif.
Application December 23, 1932, Serial No. 648,550
5 Claims. (Cl. 192—.01)



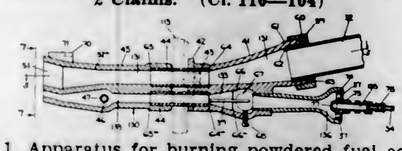
1. An intake; a throttle valve; a vacuum clutch-opening motor; a vacuum brake-setting motor; an operator controlled member yieldably maintained in a released position intermediate the ends of its path of movement, said released position involving the throttle valve closed to idling and the clutch-opening motor and the brake-setting motor inactive; a motor control device connected to said motors, to said member, and to said intake; means, connecting said member to said throttle valve, adapted to open said throttle valve when said member moves in one direction from said released position; means, connecting said member to said motor control device, adapted to start said clutch-opening motor when said member moves in the other direction from said released position and to start the brake-setting motor when said member passes beyond the clutch-opening position.

2,102,587
SOLAR NAVIGATOR
Leon T. Eliel, Pasadena, Calif.
Application November 10, 1936, Serial No. 110,083
21 Claims. (Cl. 33—61)



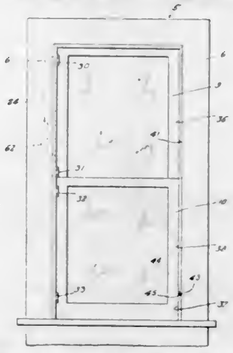
1. In a navigator of the character described, for use in an aerial vehicle, the combination of: a ground reference member having means for adjusting it relative to the aerial vehicle and so as to follow a selected object on the ground as the aerial vehicle moves relative to the ground; a sun reference member connected to said ground reference member so as to be moved thereby, said sun reference member having means which correspond to a prescribed azimuth when said aerial vehicle is moving on its course; and photoelectric means operative by the sun's rays in response to the movement of said sun reference member from its prescribed azimuth position to give a sensible indication that said sun reference member has been so moved by said ground reference member.

2,102,588
FUEL BURNING APPARATUS
Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 17, 1934, Serial No. 716,119
2 Claims. (Cl. 110—104)



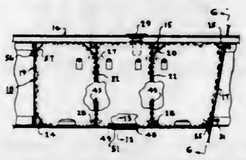
1. Apparatus for burning powdered fuel comprising a burner adapted to communicate with the interior of a furnace and including a nozzle, substantially horizontal means within the nozzle comprising an integral wall extending longitudinally therethrough for dividing the nozzle into a pair of axially spaced separate passages having separate but adjacent discharge outlets, means for introducing powdered fuel and air into one of the passages, means for introducing a combustible mixture of gas and air into the other passage, the said passages being substantially enlarged at their intake end and tapering therefrom into a relatively restricted area for facilitating introduction of fuel and gas into the respective passages, and means for igniting said mixture while within said other passage to preheat the powdered fuel while in its passage and ignite it as it issues therefrom.

2,102,589
WINDOW STRUCTURE
Vernon M. Frey, East Moline, Ill.
Application March 15, 1935, Serial No. 11,345
2 Claims. (Cl. 20—50)



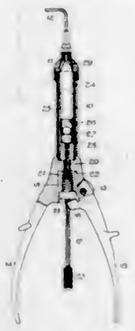
1. In combination, an ordinary window frame, three spaced stationary sash stops fastened to one side of said frame and defining two sash receiving channels therebetween, three opposite sash stops secured on the opposite side of said frame and defining two sash receiving channels therebetween, said opposite sash stops including an outer stationary sash stop and two inner sectional sash stops, each sectional sash stop including upper and lower stationary sections and an intermediate removable section, and two sashes slidably mounted channels defined by the said opposite sash stops, the upper and lower ends of said removable sections being upwardly and inwardly inclined and dovetailed with the lower and upper ends respectively of the said upper and lower stationary sections, whereby said removable sections can be removed from the stationary sections only by moving said removable sections inwardly and upwardly toward the opposite side of the window frame, said removable sections including detents extending laterally therefrom and through openings in the respective laterally inward side of the window frame engaged by the removable sections when in place, and spring catches located in said openings with which said detents are removably engageable to hold the removable sections in place.

2,102,590
AIRCRAFT CONSTRUCTION
Reid B. Gray, Dundalk, and Edwin L. Zivi, Baltimore, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application December 2, 1936, Serial No. 113,773
9 Claims. (Cl. 244—135)



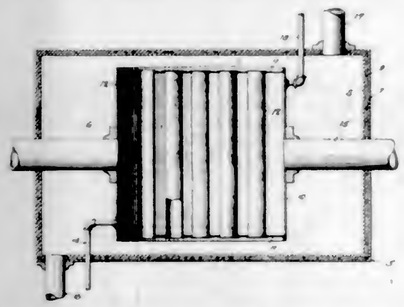
1. A petroleum containing means including a rigid supporting enclosure and a collapsible enclosure positioned within said supporting enclosure, the outer dimensions of the said collapsible enclosure being greater than the inner dimensions of the said supporting enclosure.

2,102,591
DENTAL SYRINGE
Heinrich Hagemeier, Hamburg, Germany
Application July 28, 1936, Serial No. 93,050
In Germany June 5, 1935
3 Claims. (Cl. 128—236)



2. A dental syringe of the character described comprising a supporting body, a barrel on said body, a plunger in the form of a screw spindle guided longitudinally in said body for operation within the barrel, a headed nut on said spindle accommodated in a recess in the body and adapted to co-operate with the latter for limiting the displacement and regulating the position of the plunger within the barrel, a pair of hand grips on the body branching out from the latter at opposite sides of and substantially symmetrically with the spindle, one of said hand grips forming a lever operable by pressure on the hand grips at right angles to the spindle to engage said nut for the displacement of the spindle within the barrel, and a spring arranged between the body and the head of the nut for opposing the displacement of the plunger by said lever.

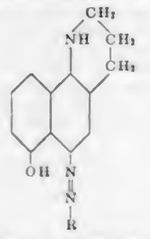
2,102,592
AIR HEATER
William P. Hayne, Natchitoches, La.
Application February 1, 1937, Serial No. 123,468
1 Claim. (Cl. 257—219)



An apparatus for supplying heated air in the conditioning of seed cotton, comprising a rectangular chamber, a radiator within the chamber, said radiator embodying a circular casing having closed ends, said circular casing being supported in spaced relation with the walls of the chamber, a plurality of vertical tubes supported within the casing and arranged in spaced relation with each other, said tubes having open ends whereby air entering the chamber may pass through the tubes, a pipe for directing air to the chamber, a pipe through which hot air passes from the chamber, a pipe extending through the chamber and having connection with the radiator and through which exhaust gases are directed to the casing heating the vertical tubes, a pipe extending into the circular casing through which steam is directed to the interior of the circular casing controlling the temperature of the tubes, and a pipe through which condensation within the casing may be exhausted from the casing.

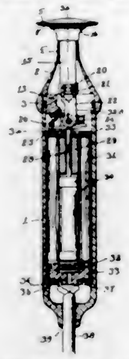
2,102,593
AZO DYESTUFFS
Johann Heinrich Helberger, Cologne-Mulheim, and Otto Bayer, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 18, 1935, Serial No. 50,470. In Germany November 23, 1934
3 Claims. (Cl. 260—38.5)

1. Azodyestuffs of the general formula:



wherein R stands for a member selected from the group consisting of an aromatic radical of the benzene and naphthalene series.

2,102,594
CLIPPER
Hermann Hill and William H. Foxall, Brighton, N. Y., assignors to Hillfox Manufacturing Corporation, Rochester, N. Y.
Application January 2, 1935, Serial No. 129
7 Claims. (Cl. 30—210)

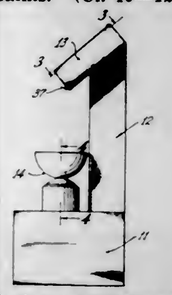


1. Clippers comprising a handle, a fixed supporting rod projecting from one end of said handle, a cutter disc having cutting teeth arranged in a convex curve on the perimeter thereof attached to said supporting rod so as to have its teeth project substantially at right angles to the handle, an axially movable cutter disc having correspondingly arranged cutting teeth on the perimeter thereof surrounding said supporting rod and held yieldingly against said stationary cutter disc, a driving sleeve mounted to oscillate on said fixed supporting rod and means connecting said driving sleeve with said axially movable cutter disc and means for oscillating said driving sleeve.

2,102,595
COATING COMPOSITION AND METHOD OF MAKING THE SAME
Maurice V. Hitt, Wilmington, Del., and David G. Kennedy and Harry L. Priddy, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 8, 1935, Serial No. 20,394
6 Claims. (Cl. 134—79)

1. Process of preparing coating compositions which comprises mixing about two parts of undissolved nitrocellulose and one part of organic liquid consisting of a diluent in major proportion and a volatile solvent in minor proportion for about 30 minutes, mixing therewith about .1 part of carbon black wet with amyl alcohol, kneading until homogeneous and mixing therewith solvent, diluent, and resin.

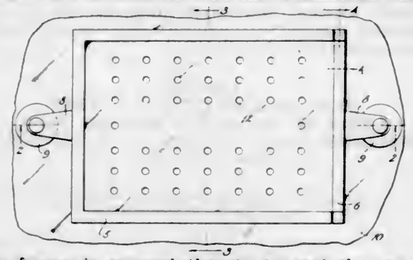
2,102,596
DISPLAY DEVICE
John A. Kern, Chicago, Ill., assignor to The W. J. McCahan Sugar Refining & Molasses Co., Philadelphia, Pa., a corporation of Delaware
Application September 13, 1937, Serial No. 163,623
6 Claims. (Cl. 40—126)



1. A display device, comprising a delivery unit in the form of a commercial package, a receiving unit including means mounted therein for retaining only a predetermined quantity of material delivered thereto by said delivery unit, and means for conveying the material delivered to said receiving unit in excess of said predetermined quantity from said receiving unit to said delivery unit.

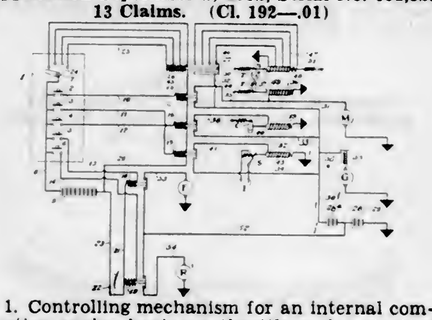
2,102,597
WINDSHIELD ATTACHMENT
William Mable, Fort Collins, Colo., assignor of forty-one percent to Winthrop B. Morris, New York, N. Y.
Application September 12, 1935, Serial No. 40,337
1 Claim. (Cl. 20—40.5)

A device of the character described comprising in combination, a frame; a sheet of transparent perforated material removably held in the frame; means attached to the frame to secure it in parallelism to an automobile windshield or the like; and resilient means mounted on one side of the frame and in contact with the windshield when



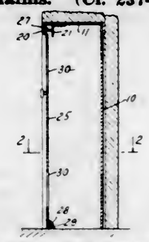
the frame is secured thereto to seal the space between the frame and the windshield.

2,102,598
CONTROLLING APPARATUS
Rex D. McDill, East Cleveland, Ohio, assignor to Adjustable Scaffold & Form Company, Cleveland, Ohio, a corporation
Application September 2, 1932, Serial No. 631,529
13 Claims. (Cl. 192—.01)



1. Controlling mechanism for an internal combustion engine having a throttle and a starting motor, which comprises electro-magnetic means operatively connected to the throttle and arranged upon energization to move the throttle to the starting position, a circuit including said electro-magnetic means and said starting motor, a source of current supply in said circuit, and manually operable controlling means controlling the supply of said current to said circuit.

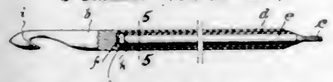
2,102,599
RADIATOR INCLOSURE
Albert D. Mellor, Flushing, N. Y.
Application December 13, 1935, Serial No. 54,200
4 Claims. (Cl. 237—79)



1. An inclosure having a top wall, a back wall, end walls and a downwardly opening channel member disposed at the front edge of the top wall, and a cover plate adapted to close the front of the inclosure and having a flange at the upper edge

thereof adapted to enter said channel member, the upper edge portion of the cover having an off-set portion extending forwardly of the remaining portion of the plate when the cover plate is in position on the closure.

2,102,600
FLEXIBLE KNITTING NEEDLE
Lillian M. Miller, Fort Harrison, Mont.
Application January 27, 1937, Serial No. 122,633
2 Claims. (Cl. 66—117)



1. In a flexible knitting needle the combination of a knitting pin, a flexible shaft affixed to the shank of said pin, a second knitting pin, said pin having a hollow chamber, a tube inserted in and affixed to said chamber and having its inner end spaced from the inner end of the chamber, a core affixed to the flexible shaft and rotatably mounted in the aforesaid tube, said core having a head of greater diameter than the core and engaging against the end of the aforesaid tube within the knitting needle whereby to provide a flexible joint.

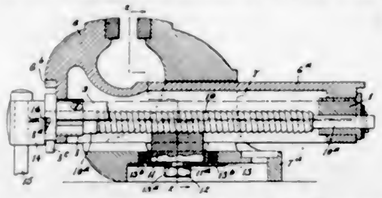
2,102,601
GOLF OVERSHOE
George E. Murber, San Francisco, Calif.
Application April 13, 1936, Serial No. 74,103
1 Claim. (Cl. 36—7.6)



A rubber overshoe comprising a thin rubber upper provided with heavy solid rubber sole and heel portions formed integrally with the upper and of a thickness substantially greater than that of the material forming the upper, a separate outer sole of leather upon the bottom face of the rubber sole portion, a separate outer heel of leather upon the bottom face of the rubber heel portion, spikes positioned upon the bottoms of leather sole and heel and provided with securing means anchored to the leather without penetrating the rubber sole or heel portions, a leather insole and heel, and securing means extending through the leather sole and heel members and the adjacent rubber sole and heel portions and the insole and heel, said securing means being anchored to the insole and heel for binding the outer and inner soles and heels against the adjacent rubber sole and heel portions and for preventing material shifting of the securing means within the rubber sole and heel.

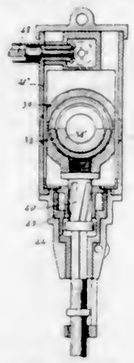
2,102,602
VISE
Samuel Thomas Nash, Woden Works, Wednesbury, England, assignor to The Steel Nut & Joseph Hampton Limited, Wednesbury, England
Application September 12, 1936, Serial No. 100,398
In Great Britain September 28, 1935
3 Claims. (Cl. 81—33)

1. A quick action vise comprising a fixed part, a movable part, a screw carried by the movable part, a half nut complementary to the screw, carried by the fixed part, eccentric bearing means for the screw turnably mounted in the movable part, a projecting means turnable with the screw, and a complementary recessing of the eccentric



bearing for engagement by the said projecting means said engagement resulting in the positive turning of the eccentric bearing means so as to lift the screw out of engagement with the nut when the screw is rotated in a counter direction to that employed for moving the jaws together.

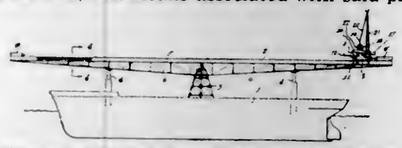
2,102,603
PERCUSSION APPARATUS
Giosuè Pinazza, Milan, Italy
Application February 8, 1936, Serial No. 63,035
In Italy February 16, 1935
6 Claims. (Cl. 255—42)



1. A percussive apparatus of the character described, comprising a striking element, means for supporting said striking element for alternating oscillatory motion and preventing rotation thereof, eccentric bodies rotatably disposed on said striking element and having their centres of gravity moving in the same plane comprising the axis of percussion in opposite directions symmetrically with respect to said axis of percussion, and means for imparting to said bodies a periodic variable rotation during each revolution, progressively accelerated during the active stroke and progressively retarded during the return stroke of said striking element.

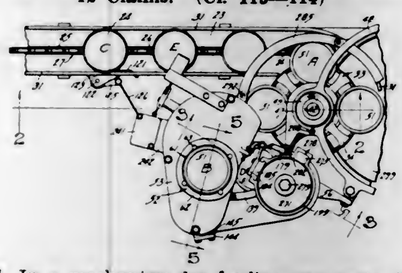
2,102,604
PACKAGE AND PACKAGE HANDLING MEANS FOR AIRPLANES
Kurt Arndt, Detroit, Mich.
Application January 5, 1935, Serial No. 493
12 Claims. (Cl. 244—137)

1. A container having the shape of an airfoil adapted for use with an airplane pick-up system, a stabilizing fin integral therewith, a rigid projection extending from rigid attachment to the bottom thereof through and outwardly of the top thereof, and means associated with said pro-



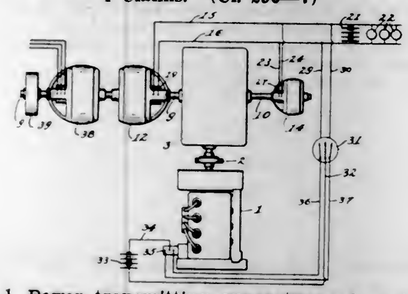
jection by which said container may be picked up by an airplane in flight.

2,102,605
CAN AND COVER FEEDING MECHANISM
Nelis P. Bach, Geneva, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1934, Serial No. 726,165
12 Claims. (Cl. 113—114)



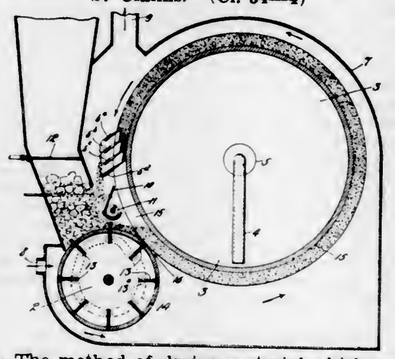
1. In a mechanism for feeding can parts, the combination of detecting instrumentalities located at a testing station for a can part, other detecting instrumentalities located at a second testing station for another can part, feeding devices for moving said can parts into their respective testing stations, and means associated with one of said instrumentalities and effective on the failure of feeding of a can part into its testing station for operating the other of said detecting instrumentalities at the other station.

2,102,606
POWER TRANSMITTING APPARATUS AND CONTROL MEANS THEREFOR
George B. Bailey, Sharon, Mass.
Application April 29, 1935, Serial No. 18,721
4 Claims. (Cl. 290—7)



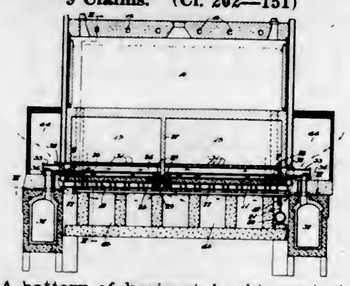
1. Power transmitting apparatus and control means therefor comprising, in combination, a prime mover; a dynamo driven thereby; power transmitting means connecting them including a differential unit; a second dynamo connected to said unit and adapted to impart power thereto; and control means actuated by variations in the electrical output of the first said dynamo, occasioned by changes of the load thereon, for controlling the power applied to said unit by both the prime mover and the second dynamo to maintain the speed of the first said dynamo substantially constant.

2,102,607
METHOD AND APPARATUS FOR TREATING MATERIALS
David S. Baker, Greenwich, Conn.
Application April 17, 1934, Serial No. 720,944
27 Claims. (Cl. 34—4)



1. The method of drying material which comprises repeatedly applying, and re-applying it to the same attempering surface in such a manner that while it is disposed on said surface it is divided into a number of spaced units, and disintegrating said units and redistributing the material comprising the units between applications to said surface.

2,102,608
COKING RETORT OVEN
Joseph Becker, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware
Application July 9, 1935, Serial No. 30,533
9 Claims. (Cl. 202—151)



1. A battery of horizontal coking retort ovens comprising, in combination, a series of alternate coking chambers and intermediate heating walls therefor arranged side-by-side, a series of cross-regenerators therefor beneath and paralleling the same with sole channels at the bottom of and communicating through ports with the regenerators, a structural pad supporting said regenerators and itself supported above a sub-structure providing accessible passageways throughout the basement of the battery, a system of under-jet firing for said heating walls comprising fuel gas connections leading from the basement directly

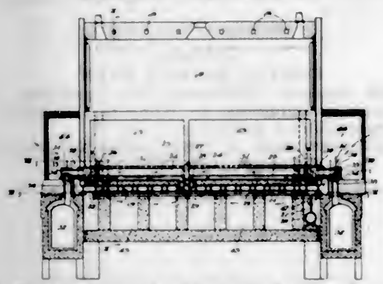
to the heating flues and accessible from the basement and valved air-conduit connections leading from the basement to the sole flues of the regenerators for conveying the air for combustion from the basement to the sole flues of the regenerators for preheating for combustion, and a waste gas flue alongside the basement on at least one longitudinal side of the battery and having valved connections with the sole flues of the regenerators for off-flow of waste gas from the regenerators, openings being provided all along both the pusher-side and coke-side of the basement directly below the structural pad for indraft of the combustion air requirements of the battery into the basement from the outside atmosphere, the air inlets for substantially all of the air-conduit connections which lead from the basement to the sole flues of the regenerators being arranged and concentrated at substantially the region of the lengthwise middle of the top part of the basement so as to maintain throughout the basement, from the side openings at the cooler longitudinal coke- and pusher-sides of the battery all the way into the warmer lengthwise middle region of the basement, ventilating cross-drafts of the total volume of combustion air for the basement regenerator air inlets, with all air supplied to the regenerators from the basement by the regenerator sole flue air inlets therein confined to air substantially solely from sole flue air inlets at the warmer lengthwise middle region of the basement.

2,102,609

COKING RETORT OVEN

Joseph Becker, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, a corporation of Delaware

Application August 17, 1935, Serial No. 36,682
8 Claims. (Cl. 202—151)



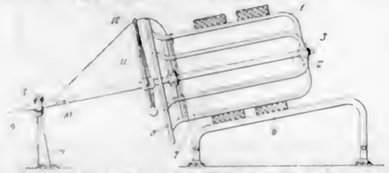
1. In a battery of coking retort ovens, in combination a series of alternate coking retort chambers and flued heating walls therefor arranged side-by-side in a row, cross regenerators beneath said chambers and paralleling the same and having sole-channels communicating with the regenerators, a structural pad supporting said regenerators and their sole channels and itself supported above a sub-structure providing accessible passage-ways throughout the basement of the battery, a system of under-jet underfiring for said heating walls and accessible in said passage-ways, a series of subsole-channels intermediate the pad and the sole-channels of the regenerator chambers and paralleling the latter, said subsole-channels having air inlets arranged for intake of air along the middle line of the basement roof at the longitudinal median line of said row and said subsole-channels communicating through ports at their outer ends with the sole-channels, a series of air-flow boxes for introducing underfiring air into the regenerators, said air-flow boxes having communicable connections directly with the atmosphere in the battery alleyways and with said sole-channels at their outer part, valve-means for the basement air inlets to the sub-sole channels and for the communicable connections of the air flow boxes to the atmosphere whereby air may be taken into the sole channels either from the basement or from the alley-ways, and said battery having openings along the pusher-side and coke-side of the basement for in-draft of air from the outside atmosphere and maintaining through the basement cross drafts from said side openings to said sub-sole-channel intakes along the middle line of the basement roof at the longitudinal median line of said row.

2,102,610

METHOD AND APPARATUS FOR UNWINDING WIRE, THREAD, OR THE LIKE

Arthur Ernest Blashill, Withington, Manchester, England

Original application June 18, 1931, Serial No. 545,321, now Patent No. 1,996,061, dated April 2, 1935. Divided and this application January 14, 1935, Serial No. 1,794. In Great Britain June 24, 1930
16 Claims. (Cl. 242—54)



1. Apparatus for supplying wire from coils thereof comprising a stationary reel having one end unobstructed so that the coils may be placed upon the reel from that end, the reel passing through each coil, a rotatable shaft extending beyond the opposite end of the reel adapted to restrain the reel from axial movement, said shaft being coaxial with the reel and being journalled at one end in the said reel and at its outer end in a stationary part of the apparatus, the arrangement being such as will prevent axial movement of the reel towards the said stationary part.

2,102,611

DIHALOGEN BUTENES AND PROCESS FOR THEIR PREPARATION

Wallace H. Carothers, Arden, and Arnold M. Collins, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 2, 1933, Serial No. 688,030
25 Claims. (Cl. 260—162)

1. A product having the formula:

$$CH_3CX{=}CH{-}CH_2X$$

in which X is a halogen atom.

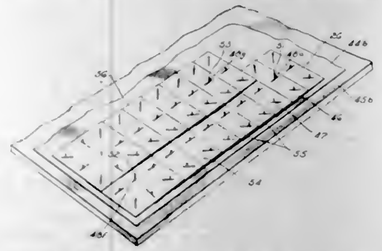
2,102,612

METHOD AND APPARATUS FOR MAKING MAPS

Charles W. Collier, Alexandria, Va., assignor to Fairchild, Polley & Eliel, Inc., Los Angeles, Calif., a corporation of California

Application December 10, 1935, Serial No. 53,791
14 Claims. (Cl. 33—1)

11. A method of the character described for locating points for map purposes, including the steps of: taking a series of photographs of consecutive overlapping areas including basic reference points for which map data are known; forming templets representative of said photographs, each templet having a hole representing the center point of the corresponding photograph and having slots radial to the hole representing angular relationships among outlying reference points of the photograph, said outlying points including said basic reference points; plotting said basic reference points on a control surface at locations spaced in accordance with a desired scale; assembling said templets on said control surface in the sequence of the corresponding photographs; in-



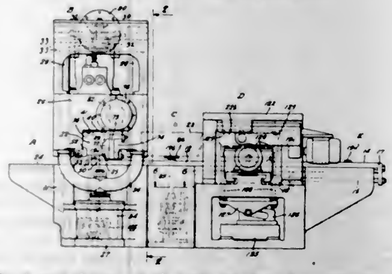
terconnecting said templets by a plurality of means representing said reference points and extending through the center holes and at least some intersecting slots of overlapping templets, thereby interlocking the templets for coordinated extension or contraction; and adjusting said series of templets to cause the interconnecting means at slot intersections that correspond with said ploted basic reference points on the control surface to register with said plotted points, thereby placing on the control surface the remaining interconnecting means and slot intersections at positions with respect to said basic reference points corresponding to said desired scale.

2,102,613

MACHINE TOOL

Lyndon C. Cole, Hamilton, Ohio, assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware

Application December 30, 1935, Serial No. 56,630
18 Claims. (Cl. 29—33)



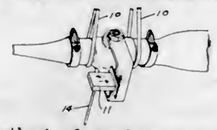
1. A machine of the character described comprising conveying means adapted to move a work piece to a predetermined position, a work engaging head movable from a retracted position affording clearance for movement of a work piece on the conveyor to an operating position adjacent the predetermined position of a work piece on the conveyor, means for moving the head to operating position, means to move the work piece from the conveyor when in the predetermined position thereon into engagement with said head, a cutting tool movably carried by the head to traverse the work piece, and means to move the cutting tool.

2,102,614

METHOD OF PRODUCING AND DISTINGUISHING FREQUENCY VIBRATIONS

Howard H. Couch, Fairfield, Ohio

Application September 20, 1935, Serial No. 41,431
17 Claims. (Cl. 73—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



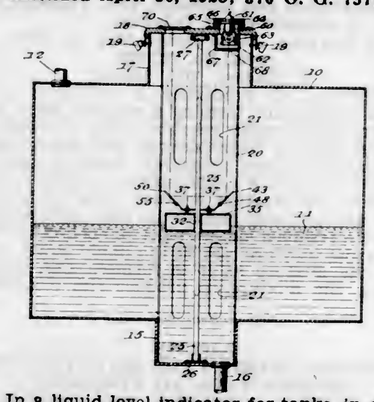
1. The method of predetermining wave phenomena in a propeller blade to obtain its resonant characteristics at different frequencies, which consists in the steps of supporting the propeller in balanced relation about its axis of rotation, subjecting the mid point of the propeller to an exciting force in a predetermined direction with respect to said axis of rotation to cause it to vibrate at a resonant vibration frequency with a predetermined vibration characteristic at the mid point of the propeller, and detecting and distinguishing the nodal characteristics of the vibration of the blades of said propeller and thereafter reproportioning the propeller profile to cause such resonant characteristics that produce excessive stresses in the propeller blade to occur outside the normal operating speed range of said propeller under similar operating conditions.

2,102,615

LIQUID MEASURING DEVICE

Joseph J. Cubete, Pittsburg, Kans.

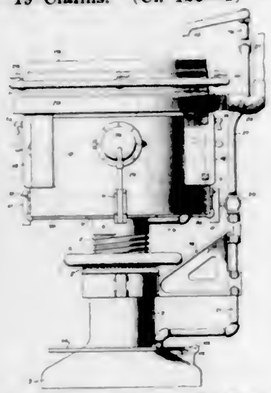
Application February 15, 1937, Serial No. 125,790
7 Claims. (Cl. 73—319)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a liquid level indicator for tanks, in combination, a measuring element fixed within the tank and extending into the liquid therein, said element having light transmissible portions forming characters each of which is representative of the quantity of liquid in the tank when the liquid level is at a predetermined lower point on said element, a float carried by said liquid, a window in said tank, a source of light, means positioned on said float for projecting a beam of

light from said source through the one of said characters corresponding to the liquid level in the tank, and means for causing said beam to form an image of said character which may be viewed through said window.

2,102,616
STOVE
Clement Ehret, White Plains, N. Y.
Application May 21, 1935, Serial No. 22,511
19 Claims. (Cl. 126—1)



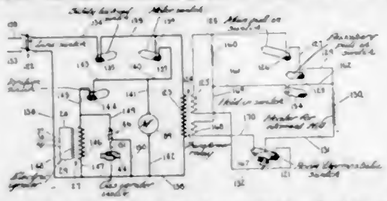
1. A stove comprising a stove body mounted for rotation and having a plurality of fuel burners, a water supply duct having a water outlet positioned to deliver water into receptacles associated with the burners, a valve for controlling the flow of water through said duct, and means rotatable with the stove body for controlling said valve.

2,102,617
SYNTHETIC RESINS
John D. Farber, Philadelphia, Pa., assignor to Management and Research, Inc., Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 25, 1934, Serial No. 727,523
2 Claims. (Cl. 260—4)

1. Process of producing a synthetic resin which consists in: forming a resinous mass as a condensation product resulting from the reaction between phenol, formaldehyde and oxalic acid; simultaneously and separately forming another resinous mass as a condensation product resulting from the reaction between citric acid, glycerine and phthalic anhydride; then mixing said separate resinous masses prior to cooling thereof and while they are still in the liquid state; stirring the mixture as it is formed; and finally cooling the mixture to produce the completed resin.

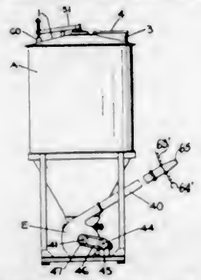
2,102,618
AUTOMATIC SYSTEM FOR SUPPLYING PULVERIZED FUEL TO FURNACES
Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 23, 1933, Serial No. 652,975
2 Claims. (Cl. 158—28)

1. In combination with a motor operated fuel feeding and ignition means, a control system therefor comprising an ignition circuit having a switch therein, a motor circuit, a motor switch, a thermal time limit cut-out switch which opens when heated to a predetermined degree and must thereafter be manually closed, said thermal switch controlling both of said circuits, a first control circuit having means which when energized closes said motor switch, a resistance heater for said cut-out switch, first and second switches and contacts of a main switch which close in response to a determined lowering of the temperature of the space to be heated, a second control circuit including a resistance and a third switch in parallel with said first and second switches and in series with said heater, a third control circuit including said third switch, the



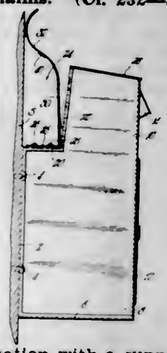
resistance heater and the contacts of the main control switch which close in response to a determined rise in temperature of the space to be heated, and combustion responsive switching mechanism operable upon the establishment of combustion to (1) close said third switch, (2) to open said second switch and (3) to open said first and said ignition switches and upon cessation of combustion to (1) open said third switch, (2) to close said second switch and (3) to close said first and ignition switches whereby, if said third switch fails to close the cut-out switch will operate in a time period to shut down the system.

2,102,619
FUEL FEEDER
Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application July 28, 1933, Serial No. 682,680
14 Claims. (Cl. 221—134)



1. In a heating apparatus, the combination with a feeding device for pulverized fuel including a hopper for receiving the fuel, of mechanism for feeding the fuel from the hopper into an ejecting position, the said mechanism comprising a rotatable supporting member, agitating means mounted on the supporting member for maintaining a zone of agitated fuel as the supporting member rotates, a feeder plate also mounted on the supporting member and rotative therewith, the said plate having a port therethrough, a second plate below the feeder plate for receiving fuel from the said feeder plate, and also having a port for passing fuel into ejecting position, a scraper associated with the said second plate and rotative with the supporting member for directing fuel through the port of the said second plate, and driving mechanism for the said supporting member and parts carried thereby.

2,102,620
MAIL BOX
Henry S. Gilman, Springfield, Mass.
Application February 25, 1937, Serial No. 127,654
2 Claims. (Cl. 232—33)

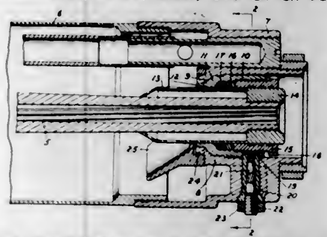


1. The combination with a support of a receptacle secured thereto, said receptacle being formed to have a horizontal ledge part intermediate the upper and lower marginal edges of its rear side and a yielding spring member having one end secured to said receptacle adjacent said ledge part and its other end extending freely away therefrom.

2,102,621
ACCELERATOR OF VULCANIZATION
Robert C. Goodwin, Lubbock, Tex., and Arthur W. Sloan, Akron, Ohio; said Sloan assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1936, Serial No. 73,969
16 Claims. (Cl. 18—53)

1. The process which comprises vulcanizing rubber in the presence of a salt consisting of a bivalent metal combined solely with diaryl dithiocarbamic acids.

2,102,622
GUN BARREL MOUNTING
Samuel G. Green, Gray, Ga.
Application November 20, 1936, Serial No. 111,867
5 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

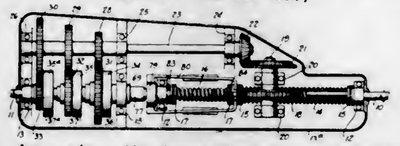


1. In a machine gun, a jacket for a cooling fluid and having a front end cap, a gun barrel mounted for reciprocation within the jacket, a fixed sleeve on the cap and having an internal shoulder, a bearing member for the barrel threaded in the fixed sleeve and having an offset engaging the internal shoulder of the sleeve, said bearing member having an aperture, a gland threaded in the bearing member and adapted to support the gun barrel, a packing confined between the gland and the offset of the bearing member, a hollow set screw in the end cap and inserted in the aperture of the bearing member, a pin in the hollow set screw, and a set screw in the hollow set screw and holding the pin against the gland.

2,102,623
WATER-RESISTANT PROLAMINE BASE COMPOSITION
Donald W. Hansen, Decatur, Ill., assignor, by mesne assignments, to Prolamine Products Incorporated, Dover, Del., a corporation of Delaware
No Drawing. Application December 11, 1933, Serial No. 701,864
14 Claims. (Cl. 106—38)

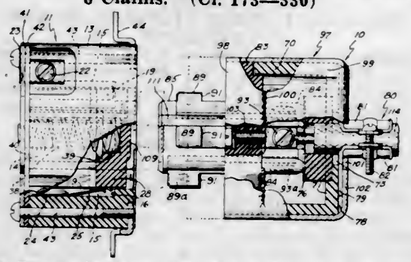
1. A composition of matter useful in the form of films, filaments and coatings comprising a prolamine base, and a salt of an amino acid ester having the property of preventing the composition in dry solid form from spotting or blushing by action of moisture thereon.

2,102,624
AUTOMATIC TRANSMISSION
Clifford P. Hopson, Bakersfield, Calif.
Application March 2, 1936, Serial No. 66,644
8 Claims. (Cl. 74—337)



1. An automatic transmission comprising a driving element; a driven element; and power transferring mechanism operatively connecting said elements to vary the speed ratio between the elements in accordance with the variations in load on the driven element relative to power applied to the driving element; said mechanism including a plurality of differently ratioed driving connections; a plurality of constantly meshing gears one of which is mounted on the driving element for rotation thereby to drive the other of said gears and for axial feeding from one extreme position to another on the driving element while or without driving said other of the gears; means for yieldingly resisting the axial feeding of said one of the gears; and means responsive to axial feeding of said one of the gears to render active a predetermined one of said driving connections.

2,102,625
INTERLOCKING RECEPTACLE, CONNECTER, AND CAP
Harvey Hubbell, Jr., Bridgeport, Conn.
Application March 20, 1935, Serial No. 11,942
6 Claims. (Cl. 173—330)



1. In an electrical device, a socket, a plug, said

socket comprising a body of insulating material having a bore therein and recesses at the sides of said bore and opening through the front end of the body, contacts in said recesses and extending lengthwise of the body, tensioning springs in said recesses in the rear of the contacts and bearing against the walls of the recesses and the forward end portions of the contacts, laterally extending lugs on said springs, said body having locating recesses receiving said lugs to position said springs, and contacts carried by said plug and engageable with the first contacts on insertion into said bore.

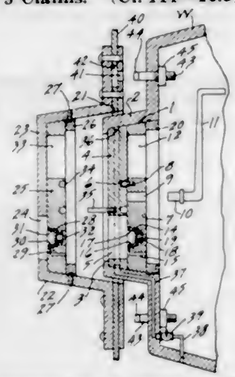
2,102,626

RESCUE APPARATUS

James W. Justus, Birmingham, Ala., assignor of four eighths to J. B. Owens, Birmingham, and seventy-six eighths to Deep Sea Rescue & Salvage Corporation, Birmingham, Ala.

Application August 10, 1936, Serial No. 95,159

5 Claims. (Cl. 114—16.8)



1. In combination, a vessel hull having an opening therethrough defined by a surrounding flange providing an entrance member, a closure member for the said entrance member provided with a passage opening, a closure member mounted within the entrance member and having an opening to register with the opening in the first closure member, a submergible vessel having an opening in a wall thereof defined by a surrounding flange to provide a member to telescope with the entrance member of the hull, a plurality of closure members within the member of the submergible vessel, said closure members having openings adapted to register with each other, said openings being also adapted to be brought into register with the openings in the closure members of the hull.

2,102,627

ZIRCONIUM OXIDE VITREOUS ENAMEL OPACIFIER

Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 7, 1935, Serial No. 35,040

11 Claims. (Cl. 106—36.2)

1. The method of making a vitreous enamel white opacifying composition from a zirconium oxide compound which comprises mixing said zirconium compound with an alkali-metal reagent in a ratio not to exceed 4 parts of said reagent to 10 parts ZrO_2 in said compound, and roasting said mixture, but without fusion, at temperatures from 800° to 950° C. to convert said compound into the zirconium oxide opacifying composition.

2,102,628

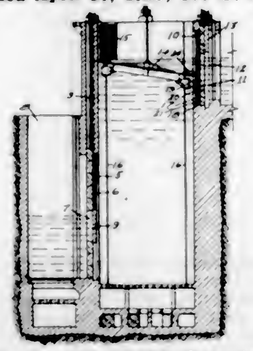
TELESCOPIC BARRIER IN CONNECTION WITH EXIT PORTAL IN FISH LIFTS

Lewis E. Knerr, Portland, Oreg., assignor to the Government of the United States of America, represented by the Secretary of War

Application May 25, 1937, Serial No. 144,616

5 Claims. (Cl. 61—21)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dam structure of the character described comprising a fish lock having an exit portal, the latter including a sill, a fish lift operable in the lock to a fish discharging position with respect to the exit portal and means in connection with the exit portal and coacting with the fish lift to close the space between the bottom of the fish lift and the sill of the exit portal when the lift is in its fish discharging position.

2,102,629

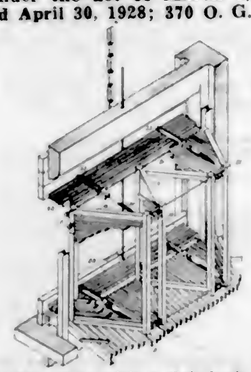
FISH TRAP FOR FISH LIFTS

Lewis E. Knerr, Portland, Oreg., assignor to the Government of the United States of America, represented by the Secretary of War

Application May 25, 1937, Serial No. 144,617

5 Claims. (Cl. 61—21)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a fish lock construction, and a fish lift operating in the lock, of a fish trap supported by the lift and adapted to cooperate with an entrance opening formed in the lock construction, said trap comprising a pair of barriers arranged to form a passage converging from the entrance portal to the interior of the lock, said passage terminating in a restricted fish outlet, a ceiling and flooring in connection with the barriers and means associated with the top and bottom of the fish trap and adjacent the entrance to the converging passage to prevent passage of fish above and below the fish trap.

2,102,630

CLOUDED VITREOUS ENAMEL

Ignaz Kreidl, Vienna, Austria

No Drawing. Application February 9, 1933, Serial No. 656,047

13 Claims. (Cl. 106—36.2)

1. An article of manufacture comprising a metal article having thereon a coating of clouded vitreous enamel produced from a slip containing clay and having an opacity substantially greater than that which would be produced with the frit used and clay alone, a substantial part of the increase in opacity over that caused by the frit and clay alone being contributed by gas bubbles which are retained in the fired enamel.

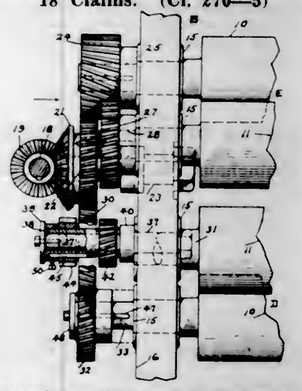
2,102,631

DRIVE FOR PRINTING MACHINES

Frederick Lamatsch, Grantwood, N. J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application February 26, 1934, Serial No. 713,058

18 Claims. (Cl. 270—5)



1. In a web printing unit including a plurality of printing couples, each couple comprising a form cylinder and an impression cylinder, intermeshing synchronizing gears for operably synchronizing the cylinders of each printing couple, a rotatable member including a drive gear and a synchronizing gear, the synchronizing gear of the rotatable member meshing directly with a synchronizing gear of each printing couple to operably synchronize all the cylinders of the printing unit, and a drive gear meshing directly with the drive gear of the rotatable member, the drive and synchronizing gears being located at one side of the printing unit.

2,102,632

VIEWING SCREEN FOR USE IN OPTICAL SYSTEMS EMPLOYING POLARIZED LIGHT

Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey

Application June 2, 1936, Serial No. 83,038

11 Claims. (Cl. 88—1)

1. In an automotive vehicle or the like, a viewing screen comprising a sheet-like light-polarizing element adapted, when the elements of said screen are in a predetermined position, to block polarized light vibrating in a plane substantially parallel to the surface upon which said vehicle rests, and wave retardation means mounted for movement into and out of position between said light-polarizing means and a source of polarized light impinging thereon, and being adapted,



when interposed between said light source and said light-polarizing means, for causing said screen to block polarized light of a different predetermined character or direction of vibration from that blocked by said light polarizing element, the optical axes of said wave retardation means being positioned at predetermined angles to the polarizing axis of said polarizing element.

2,102,633

PRODUCTION OF METALLIC DRIERS

Kenneth E. Long, South Euclid, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application November 10, 1933, Serial No. 697,472

12 Claims. (Cl. 134—57)

1. A process of making driers, which comprises preparing a basic lead drier salt, and controllably lessening the basicity of the basic salt by reacting on the basic salt with an agent providing an organic carboxyl acid radical reactive therewith the resulting drier being basic but of lesser basicity than the basic lead drier salt initially treated.

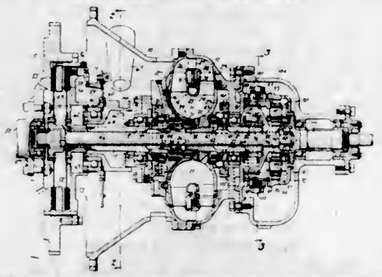
2,102,634

VARIABLE SPEED POWER TRANSMISSION

Alf Lysholm, Fred Horney, and Gösta Wahlsten, Stockholm, Sweden, assignors to Aktiebolaget Ljungstroms Ångturbin, Stockholm, Sweden, a corporation of Sweden

Application March 3, 1933, Serial No. 659,500. Renewed July 30, 1936. In Germany January 14, 1931

12 Claims. (Cl. 74—293)



1. A variable-speed power transmission comprising a driving shaft, a driven shaft, a first means comprising a releasable clutch for transmitting power mechanically from the driving shaft to the driven shaft, a second means for transmitting power from the driving shaft to the driven shaft, said second means comprising hydraulic variable speed power transmitting mechanism having a driven member, a second releasable clutch for transmitting power from the

driving shaft to said hydraulic variable speed mechanism, mechanism for transmitting power from the driven member of the hydraulic mechanism to said driven shaft comprising planetary gearing and mechanism including frictionally engaging parts for controlling said planetary gearing to cause power to be transmitted directly through the gearing in one position of the control means and to cause power to be transmitted to the driven shaft in reverse direction through the gearing in another position of the controlling means.

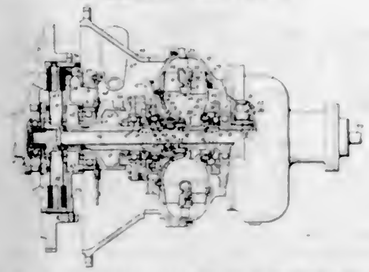
2,102,635

VARIABLE SPEED POWER TRANSMISSION

Alf Lysholm, Fred Horney, and Gösta Wahlsten, Stockholm, Sweden, assignors to Aktiebolaget Ljungstroms Ångturbin, Stockholm, Sweden, a corporation of Sweden

Original application March 3, 1933, Serial No. 659,500. Divided and this application November 21, 1934, Serial No. 754,080. In Germany January 14, 1931

6 Claims. (Cl. 60—54)



1. In a variable-speed power transmission, a casing providing a chamber for operating fluid, hydraulic variable-speed power transmitting mechanism comprising a driving member and a driven member, the driving member comprising a shaft portion, a hub portion and a disc portion located in said chamber and carrying a ring of impeller blades, the driven member comprising a shaft portion, a hub portion and a disc portion located in said chamber and carrying a ring of impelled blades, said impeller blades and said impelled blades being arranged to transmit power from the driving member to the driven member and said shaft parts being in axial alignment, the exterior of said hub portions being shaped to define the radially inner part of a closed path of flow for the operating fluid, one of said hub portions being recessed axially and the other of said hub portions having a cooperating axial extension to provide therebetween a pilot bearing, and bearings for rotatably mounting each of said members in said casing.

2,102,636

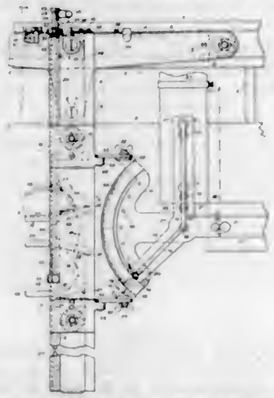
DRAFTING MACHINE

Leonard McDonald, El Campo, Tex.

Application August 13, 1932, Serial No. 628,622

25 Claims. (Cl. 33—79)

1. A straight guide adapted to be attached to supporting means having a drawing surface, a straight guide and means adapting it to be guided by said stationary guide, longitudinally thereof, and for maintaining it at right angles thereto, a carriage having means engaging said movable guide for guidance of the carriage longitudinally thereon, a protractor carried by said carriage, having a rule and means supporting the rule for angular adjustment with respect to said movable guide, a clutch carried by said movable guide adapted to engage said stationary guide for holding the movable guide fast thereon, means connected with said clutch extending lengthwise of



said movable guide and for disengaging the clutch from the stationary guide, and means on said carriage, the manual operation of which, actuates said lengthwise extending means, permitting the carriage to be moved in any direction over the drawing surface.

2,102,637

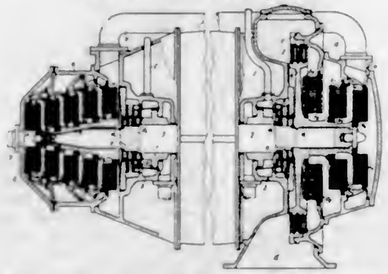
ARRANGEMENT OF RADIALLY TRAVERSED BLADES IN ROTARY MACHINES

Ulrich Meininghaus, Mulheim-Ruhr, Germany

Application May 17, 1933, Serial No. 671,442

In Germany June 1, 1932

15 Claims. (Cl. 253—79)



1. In a rotary machine, such as a steam or gas turbine, the combination of a shaft, bearings adapted to support said shaft, a driven rotating machine part arranged on said shaft between said bearings, rotary discs arranged on a stub end of said shaft in overhung fashion, a number of radially traversed rows of reaction blades on each of said discs, carrier rings supporting said blades at both ends thereof, and stationary bladed discs cooperating with said rotary discs, the latter being arranged to be impinged in series and on corresponding sides of the discs and there being a pressure drop through said blades and along said discs, the mean pressures acting upon the opposite sides of at least certain of said discs being different and thus causing axial thrusts upon said discs in the same direction, the number of rotary blades being such that they can be distributed on a smaller number of discs of larger

diameter without causing overstressing by centrifugal force acting on the outermost rotating blades or on the disc or discs supporting them when the discs are driven at approximately the rated speed of the machine, whereby the thrust on said discs is reduced, for a given total pressure drop, as compared with the thrust on discs carrying the maximum permissible number of rows of blades.

2,102,638

HYDRAULIC FLUID

Douglas V. Moses, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 24, 1933, Serial No. 658,440. Renewed December 8, 1936

10 Claims. (Cl. 252—5)

1. A hydraulic fluid comprising a solution of an aliphatic monohydric alcohol, a blown oil, and a soap.

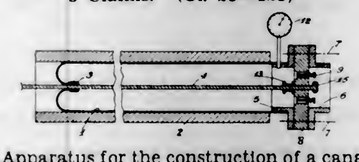
2,102,639

APPARATUS FOR CONSTRUCTING MONOLITHIC CANALIZED STRUCTURES

Jean Pierre Louis Mourraille, Paris, France, assignor to Sté dite Satujo Sté Anme de Construction de Tuyaux sans Joints Systeme Cravetto Breveté S. G. D. G., Paris, France

Original application July 1, 1933, Serial No. 678,711. Divided and this application April 17, 1934, Serial No. 720,986. In France October 28, 1932

3 Claims. (Cl. 25—128)



1. Apparatus for the construction of a canalized structure out of a self-setting plastic material, comprising an inflatable, collapsible, flexible core consisting of a hollow body closed at one end and having a pull cord attached thereto, means for admitting a fluid under pressure within said core so as to inflate the same, and means for maintaining pressure within said core, when a pull is exerted upon said cord so as to turn said core inside out, and to gradually detach it from the surface of the surrounding conduit, said cord extending through and beyond said pressure maintaining means.

2,102,640

PACKING MACHINE

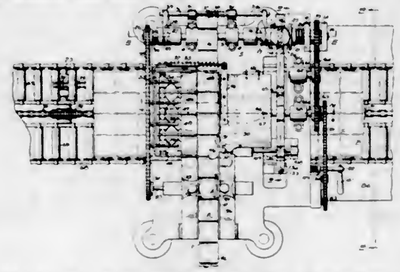
Anton Novotny, Detroit, Mich., assignor, by mesne assignments, to Tivoli Brewing Company, Detroit, Mich., a corporation of Michigan

Application February 23, 1935, Serial No. 7,739

24 Claims. (Cl. 226—14)

1. In a mechanism of the character described, the combination of a chute open at all times for packages to drop therethrough, a slide to deliver the packages thereinto, feeding means for transporting the packages within the range of the slide, a portion of the feeding means extending between the normal position of the slide and the chute, and means for checking the movement of the packages as they are delivered to the chute by the slide.

22. In a mechanism of the character described, the combination of a chute, a cage vertically movable therein, a slide adapted to feed packages into the chute, a conveyor carrying shipping cases to loading position beneath the chute, and means actuated by the final movement of the slide for moving the cage vertically to engage the sides of the shipping cases and hold them substantially vertical during the delivery of the packages down the chute into the cases.



24. In an arrangement of the character described the combination of a conveyor including a tail sprocket, a slide mounted for reciprocation across the conveyor, a chute adjacent a portion of the conveyor into which packages are delivered from the latter by the slide, a second conveyor including a driven sprocket wheel beneath the chute, a shaft on which the latter is mounted, a spindle driven by rotation of the tail sprocket, a trip on said spindle, and means on said shaft actuated by said trip whereby the second conveyor is advanced.

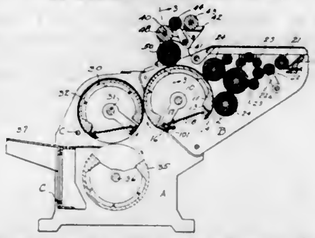
2,102,641

METHOD OF AND APPARATUS FOR PLANOGRAPHIC PRINTING

Henry C. Osborn, Cleveland, Ohio, assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware

Application November 22, 1934, Serial No. 754,247

10 Claims. (Cl. 101—148)



1. In a planographic press wherein the image-carrying member comprises a metallic plate, one dampening roller in contact with such printing plate, said roller having a surface of a material which is resilient and at the same time non-absorptive, and means for adjusting the pressure of said roll against the plate to cause a squeegee action.

2,102,642

TREATMENT OF MILK PRODUCTS

Herbert E. Otting, Westerville, and Edwin H. Browne and Maurice E. Hull, Columbus, Ohio, assignors to M. & R. Dietetic Laboratories, Inc., a corporation of Ohio

No Drawing. Application November 25, 1935, Serial No. 51,468

29 Claims. (Cl. 99—60)

1. The method of effecting the partial removal of calcium and phosphate ions from acidified liquid milk products by contact with a reactivated spent exchange material which comprises separately treating the spent exchange material

carrying calcium and phosphate ions with solutions of a water soluble silicate and of a water soluble aluminate, and with an intervening alkali metal salt solution, and subsequently contacting the activated material with the acidified milk product.

11. In the method of effecting the partial removal of calcium and phosphate ions from acidified milk products by contact with a reactivated spent exchange material, the step comprising treating exchange material carrying calcium and phosphate ions with an aqueous solution of a water-soluble silicate.

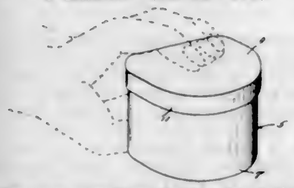
2,102,643

DENTURE CLEANING DEVICE

Domenick Pellegrini, New York, N. Y.

Application March 13, 1936, Serial No. 68,739

2 Claims. (Cl. 15—104)



1. A denture cleaning device comprising a receptacle in which pieces of denture can be placed, a closure for the receptacle and a multiplicity of small pellets in the receptacle for abrasive contact with pieces of denture in the receptacle when said receptacle is agitated, and a spacing member freely positioned in the receptacle for spacing pieces of denture in the receptacle, said spacing member having an opening to permit passage of the pellets to opposite sides thereof.

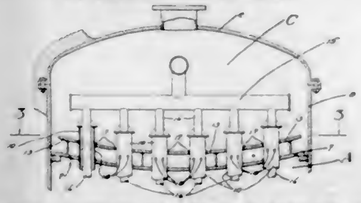
2,102,644

TEMPERATURE CONTROL OF REACTION VESSELS

Thomas B. Prickett, Woodbury, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware

Application April 1, 1935, Serial No. 14,068

14 Claims. (Cl. 23—288)



1. In a converter for effecting chemical reactions, a partition extending across said converter and defining one end of a reaction chamber and one end of a fluid reservoir, a contact mass in said chamber, heat baffling means in spaced relation with said partition and interposed between the latter and said mass, and heat baffling means in said reservoir in spaced relation with said partition.

2,102,645

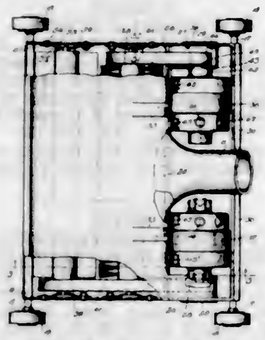
DOUBLE BRUSH TYPE FLOOR TOOL FOR AIR-METHOD CLEANERS

Daniel Benson Replogle, Berkeley, Calif., assignor to The Ohio Citizens Trust Company, Toledo, Ohio, a corporation of Ohio, as trustee

Application May 1, 1935, Serial No. 19,310

10 Claims. (Cl. 15—6)

4. In an apparatus of the character described, a suction nozzle having a pair of agitators mounted therein, said nozzle having parallel chambered arms communicating with the interior of the nozzle and extending rearwardly therefrom, corresponding openings in each of said arms facing each other, and motors for actuating said agitators having hubs closing said openings air-tight, and power transmission means extending through said chambered arms from said motors to said agitators.



7. A floor tool comprising a suction nozzle having a pair of rotatable agitators therein, and means for selectively actuating said agitators to rotate singly, or simultaneously, in the same or in opposite directions, at the will of the operator.

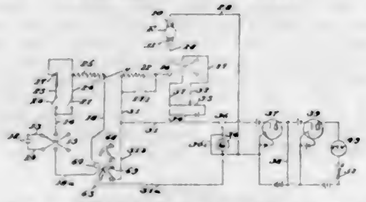
2,102,646

METHOD AND APPARATUS FOR TESTING EGGS

Frederick Langdon Rivenburgh, Springfield, Ohio

Substitute for application Serial No. 487,603, October 9, 1930. This application April 25, 1935, Serial No. 18,251. Renewed June 4, 1936

38 Claims. (Cl. 175—265)



1. The method of testing eggs for life activity, which comprises arousing the egg, exciting the egg by imposing an electromotive potential thereon, and determining the response upon excitation.

2,102,647

ARTIFICIAL EFFECT MATERIAL

Robert Pierce Roberts, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application September 16, 1930, Serial No. 482,280. In Great Britain November 18, 1929

4 Claims. (Cl. 8—20)

1. Process for the production of improved textile materials, which comprises producing filaments of an organic ester of cellulose by a dry spinning operation, in the course of which the solvent content of the evaporative atmosphere is

varied to produce local differences in the resistance to saponification of the filaments, and subsequently treating said filaments with a saponifying agent of such strength, at such temperature and for such time that local differences in the degree of saponification are produced.

2,102,648

FABRICS AND OTHER MATERIAL AND THEIR MANUFACTURE

Robert Pierce Roberts, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application April 12, 1933, Serial No. 665,630

In Great Britain April 27, 1932

13 Claims. (Cl. 8—20)



1. Process for the production of materials particularly adapted for the production of color and other effects, which comprises subjecting materials containing organic esters of cellulose, different portions of which materials have been stretched to different extents, to saponification under such conditions that the portions which have been stretched to different extents are saponified to different extents.

7. Process for the production of materials particularly adapted for the production of color and other effects, which comprises stretching along selected portions of their length threads containing cellulose acetate, and then saponifying the threads under such conditions that the unstretched portions are saponified while the stretched portions are unsaponified.

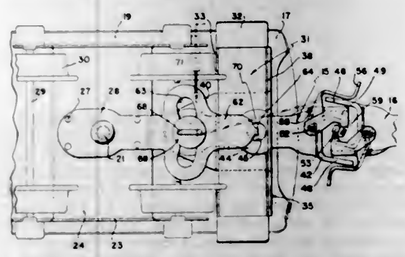
2,102,649

TOY TRAIN COUPLER

Norval Rydin, Chicago, Ill.

Application August 6, 1936, Serial No. 94,603

2 Claims. (Cl. 213—100)



1. In a toy coupler, a drawbar, a coupler head on said drawbar having a forwardly extending inclined side wall, a substantially bell crank-shaped knuckle, means pivotally connecting the knuckle, at its angle, to the head, said knuckle having an outer jaw portion normally urged in the direction of the side wall, said outer jaw portion being normally arranged at an acute angle to the transverse axis of the head, and a manipulating finger-piece on the knuckle disposed at one side of the head, said finger-piece extending in close proximity to the coupler head.

2,102,650

METHOD OF VAPORIZING AND SPRAYING THICK LIQUIDS

Hermann H. Schmidt, Hanover, Kans., assignor to Missouri Holding and Investment Company, St. Joseph, Mo.

No Drawing. Application January 21, 1935, Serial No. 2,705

19 Claims. (Cl. 99—1)

3. The method of spraying heavy viscous fluids or heavy powders without pre-heating the same comprising whirling a quantity thereof at a velocity such as to increase the fluidity thereof due to the centrifugal force set up by said whirling, and discharging said fluid or powder through an orifice while under the influence of said centrifugal force.

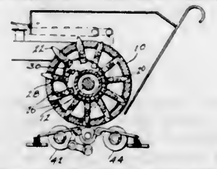
2,102,651

PINWHEEL FEED

John Q. Sherman and Henry G. Dybvig, Dayton, Ohio; said Dybvig assignor to said Sherman

Application March 21, 1935, Serial No. 12,206

52 Claims. (Cl. 197—133)



26. Apparatus for feeding and aligning superposed sheets of record or like material comprising a moving material carrier, and a pin feeding device associated with the carrier including pins having lateral movement at different speeds relative to movement of the record material carrier.

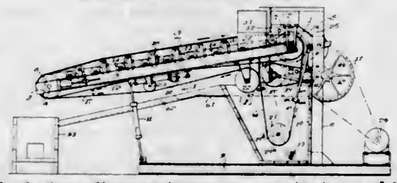
2,102,652

TRAVELING MAT CONCENTRATOR

John T. Shimmin, Buchans, Newfoundland; Daisy M. Shimmin administratrix of said John T. Shimmin, deceased

Application March 23, 1936, Serial No. 70,452

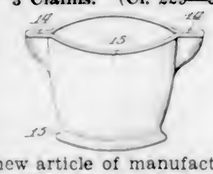
8 Claims. (Cl. 209—430)



1. A traveling-mat ore concentrator, which comprises: an inclined table structure provided with head and tail drums at the upper and lower ends thereof, respectively; an endless carrier belt mounted on said table, extending over said head and tail drums, and having an ascending run above said table and a descending run below said table; driving means for said carrier belt to cause movement thereof in an upward direction along said ascending run; an endless value-collecting belt of greater length than said carrier belt and having a collecting portion resting upon and carried by said ascending run of said carrier belt and a value-discharging portion extending below and removed from said descending run of said carrier belt; feed means for supplying a value-containing ore and water to said collecting portion adjacent the upper end of said table; a concentrate

bin disposed below said table; means for maintaining a body of water in said concentrate bin; idler means engaging said value-discharging portion of said collecting belt to cause said portion to enter said bin and extend below the level of water therein; agitator means positioned between said head drum and said idler means and operable to engage each of the opposite faces of said value-collecting belt at said value-discharging portion thereof; and means operatively associated with said agitator means to effect a positive forth and back movement thereof transverse to the faces of said value-collecting belt whereby said value-discharging portion of said belt is given a positive forth and back movement transverse to the faces thereof.

2,102,653
MOLDED HANDLED RECEPTACLE
Gertrude L. Smith, Los Angeles, Calif.
Application April 30, 1935, Serial No. 19,038
3 Claims. (Cl. 229—52)



1. As a new article of manufacture, a handled receptacle molded in a single piece from waterproofed fibrous or granular pulp, a portion of the wall of said receptacle adjacent its upper edge being extended outwardly and pressed together to form a short integral vertically disposed handle of double thickness.

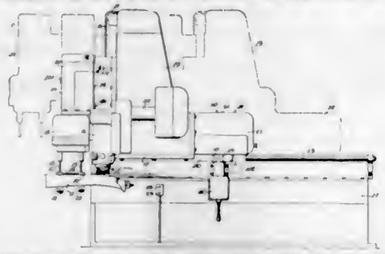
2,102,654
METHODS FOR PRODUCING DECOMPOSITION PRODUCTS FROM OLEFINE-SO_2 COMPLEXES
Robert Dewey Snow, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application January 26, 1934, Serial No. 708,523
21 Claims. (Cl. 260—43)

1. The process of producing useful products which comprises decomposing high molecular weight heteropolymeric compounds of sulfur dioxide and unsaturated organic compounds by means of alkaline chemical agents, whereby the said heteropolymeric compounds are broken down into organic compounds of relatively low molecular weight containing sulfur and oxygen.

20. The process of producing organic compounds containing sulfur and oxygen, which comprises decomposing heteropolymeric compounds of sulfur dioxide and compounds containing the ethylenic double bond with an alkaline chemical agent, and then partially oxidizing the decomposition product.

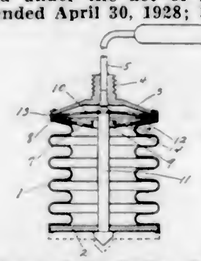
2,102,655
MACHINE TOOL
Marion L. Strawn, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application June 12, 1936, Serial No. 84,869
16 Claims. (Cl. 29—26)

1. A machine tool comprising, in combination, a work supporting member, a tool supporting member, driving means including an electric driving motor operatively connected to a differential gear mechanism for effecting relative movement between said members, means including a reversible second electric driving motor operatively connected to said differential gear mechanism for selectively changing the direction and speed of the relative movement effected between said members by said driving means, control means responsive to the movement of one of said members past a predetermined point for deenergizing both of said motors and for posi-



tively stopping one of said motors, the momentum of the other of said motors in coasting to a stop being sufficient to return said one member to a predetermined position with respect to the other of said members, and means for automatically interposing a positive stop in the path of movement of said one member to effect accurate positioning of said members with respect to each other when said one member has returned to a predetermined position.

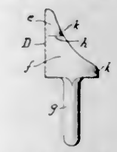
2,102,656
THERMOSTATIC DEVICE
Sidney P. Vaughn, United States Navy, Ackerman, Miss.
Application February 8, 1936, Serial No. 63,007
4 Claims. (Cl. 297—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A thermostatic device of the character described comprising a flexible metallic bellows arranged to expand or contract in length in response to pressure changes, a snap acting spring element within said bellows, means for supporting the edges of said spring element in the walls of one end of said bellows, and means connecting the central portion of said spring element to the other end of said bellows, whereby when the bellows expands or contracts the spring element will be snapped from one position to the other and cause the bellows to expand or contract with a snap action.

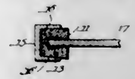
2,102,657
CLIP
Raymond T. von Palmenberg, New York, N. Y.
Application April 17, 1935, Serial No. 16,808
3 Claims. (Cl. 312—140)

1. A clip for supporting a partition element comprising a pin member, a back member extending upwardly from the pin member, and opposed pairs of flanges extending from the back member, the length of one pair of flanges being at least twice the length of the other pair, the lower



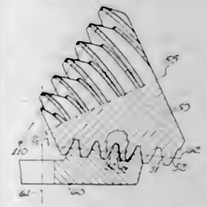
corners at the ends of the flanges being bent toward each other whereby the corner portions only of the flanges are adapted to engage a partition element.

2,102,658
WINDOW CHANNEL
Andrew Weisenburg, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application March 24, 1933, Serial No. 662,632
8 Claims. (Cl. 296—44.5)



1. A flexible and resilient channel comprising an expanded body of comminuted cork and rubber and having its base of greater density than the channel walls.

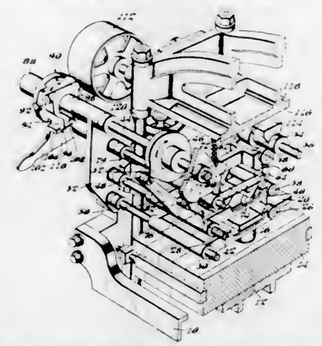
2,102,659
METHOD OF PRODUCING GEARS
Ernest Wildhaber, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application June 23, 1933, Serial No. 677,243
Renewed March 1, 1937
26 Claims. (Cl. 90—4)



1. The method of producing a tapered gear which comprises rotating a tool, whose operating portions are arranged in a thread, in engagement with the work while producing a bodily relative displacement of the tool relative to the work in the direction of the pitch surface of the tool at the zone of its engagement with the work.

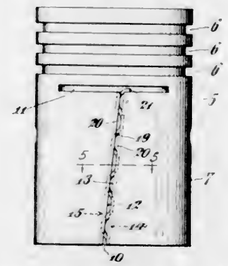
3. The method of producing a tapered gear which comprises rotating a tapered hob, whose cutting teeth are arranged in an involute helicoidal thread which is of such thickness as to have contact simultaneously with opposite sides of finished tooth spaces of the gear to be cut, in timed relation with a continuously rotating tapered gear blank and feeding said hob relative to the blank in the direction of depth of the gear teeth while maintaining a fixed angular relation between the hob and blank axes so that in final cutting position, the hob sweeps out the finished tooth surfaces of the gear.

2,102,660
MACHINE FOR OPERATING ON SHEET MATERIAL
Erastus E. Winkley, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 15, 1934, Serial No. 730,707
21 Claims. (Cl. 164—23)



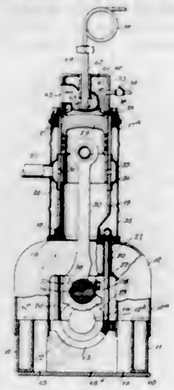
1. A machine for operating upon sheet material comprising a bed, a die mounted for movement toward and away from the bed, a rotatable cam, and a wedge movable inwardly between the cam and the die independently of the rotation of the cam for forcing the die step-by-step toward the bed.

2,102,661
PISTON CONSTRUCTION
William Wuerfel, Philadelphia, Pa., assignor to Wilkening Manufacturing Company, Philadelphia, Pa., a corporation of Delaware
Application June 30, 1933, Serial No. 678,493
15 Claims. (Cl. 309—12)



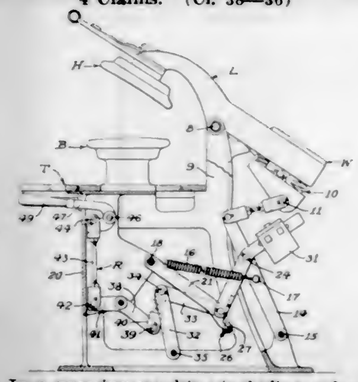
1. The combination of a trunk type piston having the skirt portion thereof slotted generally longitudinally and having also a generally transverse slot in communication with said generally longitudinal slot near the inner end of the latter (that is, nearest the head-end of the piston) so as to permit expansion and contraction of said skirt, recesses formed in the juxtaposed sides of said longitudinal slot, and a generally corrugated spring member operatively interposed between the two juxtaposed sides of said generally longitudinal slot, said spring including means extending into and coacting with said recesses for retaining said spring member against generally radial displacement in relation to the piston skirt, and including means cooperating with the walls of said transverse slot to retain said spring member against generally longitudinal displacement in relation to the piston skirt.

2,102,662
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application October 21, 1932, Serial No. 638,852
7 Claims. (Cl. 123—195)



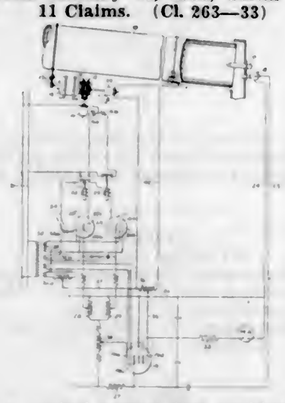
1. In an internal combustion engine, a frame including a plurality of arched members, a plurality of cylinders each having flange means thereon, said flange means being adapted to rest on said arched members, and means including a plurality of tie bolts operatively engaging said flange means and extending beneath an arched member for maintaining said cylinder in place.

2,102,663
GARMENT PRESSING MACHINE
Thomas Yosyk, Ridgewood, N. Y.
Application August 2, 1935, Serial No. 34,439
4 Claims. (Cl. 38—36)



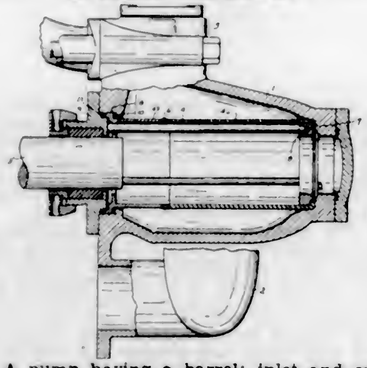
1. In a pressing machine including a frame, a pair of pressing elements, a head lever on said frame carrying one of said elements, a plurality of operatively connected toggles one of which is operatively connected to the head lever to move it and said one element relative to the other, a bell-crank pivotally mounted on the frame and having one arm operatively connected to another of said toggles, a hand lever pivotally mounted on the frame adjacent the upper front portion thereof, said hand lever having a relatively long arm extending outwardly thru the front of the frame convenient to the hand of the operator, and a link connecting the other arms of the hand lever and bell-crank.

2,102,664
CONTROL SYSTEM
James R. Alexander, Jr., Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application January 16, 1935, Serial No. 2,016
11 Claims. (Cl. 263—33)



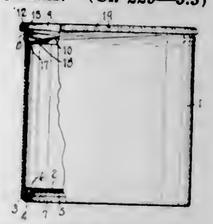
1. In a control system the combination with a device to be controlled, motor means for controlling an operating characteristic of said device, means for maintaining said characteristic substantially constant at a predetermined value comprising means for producing a control voltage varying with said characteristic and electric valve apparatus controlled by said voltage for controlling said motor means, means for controlling said valve apparatus to respond at a predetermined value of said control voltage and a pilot generator driven by said motor means for producing a voltage opposing said control voltage thereby to cause said valve apparatus to respond to a different value of said control voltage.

2,102,665
PUMP
Herbert Allen, Houston, Tex., assignor, by mesne assignments, to Abercrombie Pump Company, Houston, Tex., a corporation of Texas
Application May 14, 1934, Serial No. 725,567
14 Claims. (Cl. 103—44)



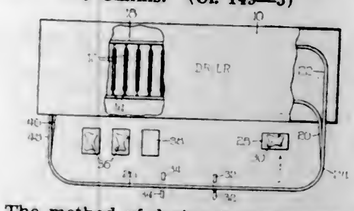
1. A pump having a barrel; inlet and outlet means for said barrel; a hollow pumping member in said barrel; said member being substantially cylindrical, and made in separable sections; each of said sections being connected to one of the end walls of said barrel; one of said sections being made of rubber and the other of said sections being made of metal; pumping fluid in said member; and means to actuate said pumping fluid to effect the expansion and contraction of said rubber section to draw pumped fluid into said barrel through said inlet means and to expel it from said barrel through said outlet means; said metal section serving to effect the transfer of heat from said pumping fluid to said pumped fluid.

2,102,666
CONTAINER
James E. Annen, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich.
Application July 22, 1935, Serial No. 32,489
7 Claims. (Cl. 229—5.5)



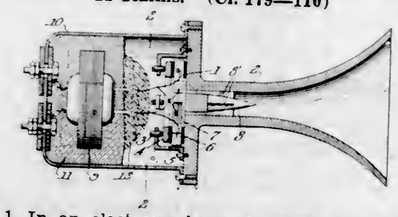
1. A container comprising a cylindrical fibrous body member having a plurality of relatively high pitched overlapping screw threads pressed therein with one end of each thread merging into the upper edge of the body, and a convex cover comprising an upwardly extending cylindrical flange joined with the convexed body portion of the cover with an annular curved surface, the flange terminating in an outwardly extending downwardly facing channeled rim receiving the edge of the body member when the cover is completely seated, the flange also having a plurality of relatively high pitched overlapping threads merging at their lower ends into said curved surface whereby the threads of the cover and body may be engaged with a telescoping movement and the cover rotated to completely seat the same and clamp the rim over the upper edge of the body, said upper edge being expanded by said curved surface to seal the container.

2,102,667
LEATHER PROCESSING
George M. Argabrite, Chicago, Ill.; Margaret Milstead Argabrite, executrix of said George M. Argabrite, deceased, assignor to Wesley H. Argabrite, Des Plaines, Ill.
Application November 19, 1936, Serial No. 111,698
6 Claims. (Cl. 149—5)



1. The method of drying tanned skins, or the like, which comprises: moving a series of plates in a closed circuit; over a predetermined first portion of said circuit positioning said plates in closely spaced parallel relationship and exposing said plates and such skins as may be thereon to forced drying action with the plates in a vertical position; in a subsequent second portion of said circuit positioning said plates in end to end relationship and removing the dried skins from said plates with the plates in a vertical position; in a subsequent third portion of said circuit retaining said plates in end to end relationship and rubbing and swabbing said plates to remove therefrom traces of dried paste remaining thereon, with the plates in a vertical position; in a subsequent fourth portion of said circuit retaining said plates in end to end relationship and applying fresh undried skins and adhesive to said pasted plates and with the plates in vertical position swabbing and smoothing said skins against the plates to cause the skins to adhere to the plates over the entire area of the skins; and returning the plates and wet skins to said first, or drying, portion of the circuit in closely spaced parallel relationship.

2,102,668
PIEZOELECTRIC LOUDSPEAKER
Stuart Ballantine, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 14, 1933, Serial No. 675,834
11 Claims. (Cl. 179—110)

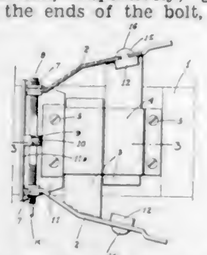


1. In an electromechanical transducer, a flat assembly of four piezoelectrically active plate-shaped elements arranged in edge alinement and with corners of the said elements substantially meeting at a common central point of said assembly, each of said elements comprising a pair of superposed crystal plates having an electrode between their adjacent faces and electrodes at their outer faces, and circuit connections between the several electrodes of said elements to produce like deflections of all elements at said common point when voltages are impressed across said electrodes or, alternatively, to produce like electrical responses between connected electrodes of all elements when pressure is applied to said common point of the assembly, and means introduced between the contiguous edges of said elements to prevent leakage of air past said contiguous edges, said means consisting of a resilient cement joining the adjacent edges of said elements to each other.

2,102,669
SKI BINDING
Jerome E. Barieau, Auburn, Calif.
Application October 28, 1935, Serial No. 47,011
2 Claims. (Cl. 280—11.35)

1. In a ski binding including toe irons, means mounting the toe irons on the ski for relative lateral movement, and means to move the toe irons in opposite directions relative to each other; said last named means comprising a laterally immovable but rotatable transverse bolt mounted adjacent the forward ends of the toe irons, the

ends of the bolt being threaded with right and left-hand threads, respectively; grooved nuts threaded on the ends of the bolt, the forward



end of each toe iron being notched and engaging over the grooved portion of the corresponding nut.

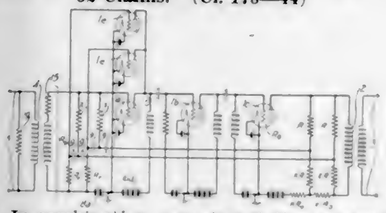
2,102,670

WAVE TRANSLATION SYSTEM

Harold S. Black, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application August 8, 1928, Serial No. 298,155. Divided and this application December 3, 1929, Serial No. 411,223. Renewed October 21, 1932. In Canada May 21, 1929

52 Claims. (Cl. 178—44)



1. In combination, wave translating apparatus, means for applying to said apparatus waves producing modulation in said apparatus, wave balancing and isolating means for deriving, from the modulation components, waves including odd order modulation components to the substantial exclusion of waves produced without frequency change by the applied waves, and means for impressing the derived waves on the input side of said apparatus.

2,102,671

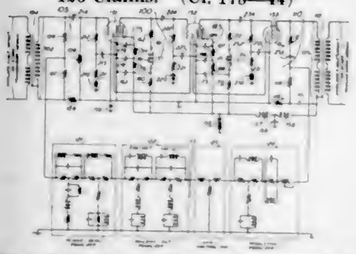
WAVE TRANSLATION SYSTEM

Harold S. Black, Westfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 22, 1932, Serial No. 606,871

In Canada May 21, 1929

126 Claims. (Cl. 178—44)



3. In a wave translating system operating to amplify applied fundamental waves, and to produce distortion components as a function of nonlinearity in the system, means to increase the ratio of the amplified fundamental wave component to distortion components comprising means to utilize a portion of the waves translated by said system to reduce the gain of the system below the gain with zero feedback in the system of the waves translated by the system.

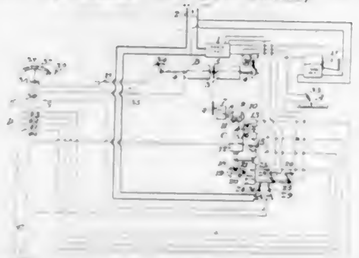
2,102,672

REMOTE CONTROLLED SOUND PRODUCING APPARATUS

Austin Day Brixey, Greenwich, Conn., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application April 22, 1932, Serial No. 606,799

9 Claims. (Cl. 179—100.11)



1. The combination with a radio tuning element, of a unidirectional electric motive means for operating said element to effect the tuning operation, driving means between said electric motive means and said element comprising a pivoted driving shaft movable laterally in one direction or in an opposite direction to drive said tuning element in one direction or the other, electro-magnetic means for controlling the direction of lateral movement of said pivoted driving shaft, and means for supplying current to said electric motive means and said electro-magnetic means selectively at will, comprising a source of electricity and switching mechanism.

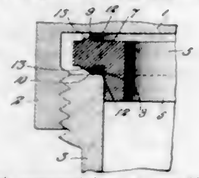
2,102,673

GASKET

Mortimer J. Brown, Niagara Falls, N. Y.

Application September 23, 1936, Serial No. 102,063

3 Claims. (Cl. 288—1)



1. A gasket comprising a readily deformable elastic body having an annular fin of wedge-shaped cross-section on each side thereof with the apexes of said wedges protruding axially from the gasket so as to constitute the sole engagement with the surfaces to be sealed, said wedge-shaped fins being in alignment with each other and having their inner faces substantially parallel to the axis of the gasket and their outer faces inclined at an angle to said axis such that said outer faces remain out of engagement with the surfaces to be sealed except at said apexes when said fins are caused to bend toward the axis of the gasket by application of normal sealing pressure to said apexes.

2,102,674

WHEEL TRUCK

William Y. Brown, Charlotte, N. C., assignor of one-third to William C. Honeycutt, Black Mountain, N. C., and one-third to Robert H. Garland, Charlotte, N. C.

Application April 13, 1937, Serial No. 136,643

1 Claim. (Cl. 280—61)



A wheel truck for removing and installing heavy wheels on automotive trucks and the like, comprising a sheet of metal having its central portion curved throughout its breadth to fit the periphery of a truck wheel, a horizontally disposed portion at each end of said curved portion, a downwardly bent portion at each end of the sheet, two wheel mountings secured to the lower side of each of the horizontal portions of said sheet, a wheel rotatably disposed in each mounting on an axis disposed at right angles to the axis of the truck wheel so that the wheel truck can be rolled under a raised truck wheel from the side of the wheel, and whereby the truck wheel can be removed from its axle laterally and in alignment with a projection of the axle, and due to the fixed axis of the wheels on the wheel truck, the bearings of the truck wheel will at all times be held in alignment with its axle thus insuring easy replacement of the truck wheel on its axle.

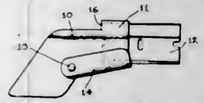
2,102,675

HOLDER FOR RAZOR BLADES

Paine Lee Bush, Dallas, Tex.

Application August 21, 1935, Serial No. 37,240

2 Claims. (Cl. 30—162)



2. A blade holder comprising a blade gripping element of resilient material, the said blade gripping element being formed in the shape of a looped band and adapted to grip one end of a blade, a clamp pivotally mounted upon the blade gripping element, and the clamp having a cut out portion adapted to receive the blade and blade gripping element.

2,102,676

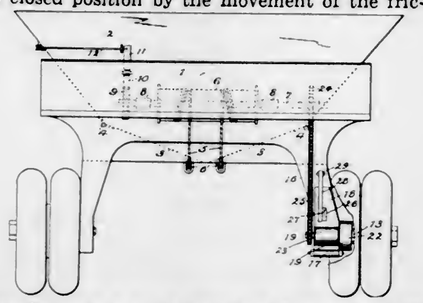
DUMP WAGON

William C. Byington, Nacogdoches, Tex., assignor to All Steel Trailer Company, Nacogdoches, Tex.

Application March 17, 1937, Serial No. 131,447

3 Claims. (Cl. 298—35)

1. A dump vehicle, comprising a body having wheel supporting legs, ground wheels mounted on the legs, a friction element carried by one of the ground wheels, load discharging doors hinged to the bottom of the body, cables for moving the doors to closed position, a plate pivotally supported to one of the legs, a friction element mounted on the plate, means for moving the plate to cause the friction element mounted thereon to engage the friction element carried by the ground wheel, means intermediate the friction element mounted on the plate and the doors to operate the cables and move the doors to closed position by the movement of the fric-



tion elements, a guide extending from one of the legs and through the plate, and a spring between the plate and leg to normally separate the friction elements.

2,102,677

GUN SIGHT

Homer E. Campbell, Fort Wayne, Ind.

Application December 16, 1936, Serial No. 116,180

8 Claims. (Cl. 33—53)



8. An adjustable sight for a gun, said sight having two face-plates arranged adjacent each other and mounted to have rotary movement upon a common axis, each of said face-plates being the counterpart of the other and provided with a curved wing, and manually-operated mechanism associated with said face-plates adapted to adjustably turn said face plates equally in opposite directions.

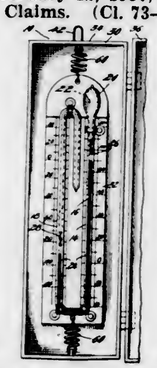
2,102,678

SEALED TAMPERPROOF MAXIMUM AND MINIMUM THERMOMETER FOR USE PARTICULARLY IN BROODING OF CHICKS

Max A. Campbell, East Providence, R. I.

Application February 12, 1937, Serial No. 125,472

7 Claims. (Cl. 73—374)



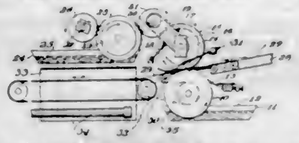
1. As a new article of manufacture, a maximum and minimum thermometer having vacuum tube means having maximum and minimum limbs and containing thermometric indicating liquid means and magnetizable indicator means carried by the thermometric indicating liquid means

in each limb to the respective maximum and minimum positions therein movable back to positions floating on said thermometric indicating liquid means by an externally applied magnet, a casing for removably enclosing said thermometer constructed of magnetic material to provide a magnetic casing-screen to positively prevent movement of said indicator means by a magnet applied externally of said casing, means to seal the casing when completely enclosing the thermometer and means to movably mount said thermometer within the casing.

2,102,679

COATING AND STRIPPING DEVICE

Frank P. Carlson, New York, N. Y.
Application October 1, 1935, Serial No. 42,996
10 Claims. (Cl. 91—18)

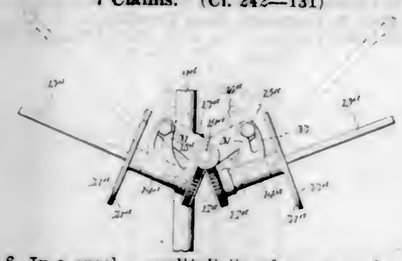


1. In a gripperless coating device for handling work in the form of individual sheets of relatively soft, pliable material, possessing little or no inherent body firmness, and which sheets are to be coated in a continuous, close succession, so as to simulate the coating of a continuous web, movable work supporting and propelling means, provided with a work engaging, tacky surface film designed, while said means are in motion, to temporarily attract and release, successively, all points of one face of the work, lying between its two ends, without coating or marring that one work surface, and means in cooperation with said propelling means for simultaneously coating the opposite face of the thus attracted and propelled work, at the points of attraction.

2,102,680

CREEL

George B. Cocker, Gastonia, N. C.
Application September 28, 1934, Serial No. 745,843
7 Claims. (Cl. 242—131)

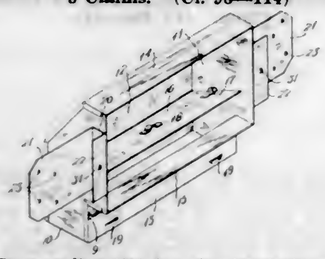


6. In a creel, a multiplicity of yarn spools; individually associated guides through which the yarns are withdrawn tangentially from the spools; and individual supporting means for the spools including axial mounting stems inclined to the horizontal, a friction disk on each stem adapted to be contacted by one end of the corresponding spool, and means whereby the stems can be angularly adjusted individually relative to the horizontal so that, under the influence of gravity upon the individual spools, the pressure of the latter upon the disks is increased or decreased to correspondingly vary the tension of the individual yarns as they are withdrawn from the spools.

2,102,681

OUTLET FOR AIR CIRCULATING SYSTEMS

Herbert F. Curtis, Berea, Ohio, assignor to The Henry Furnace & Foundry Company, Cleveland, Ohio, a corporation of Ohio
Application November 29, 1935, Serial No. 52,062
5 Claims. (Cl. 98—114)



1. In a wall outlet for air circulating systems, a body member having a vertical outlet opening, and a pair of sheet metal brackets permanently fastened to the side walls of the body member to constitute a part of the body member, said brackets comprising arms adapted to engage the surfaces of the studding on either side of the outlet and to be nailed thereto, and said brackets also comprising flanges spaced forwardly from said arms adapted to receive and hold a grill.

2,102,682

SNELLED HOOK CASE

William J. De Witt and Paul A. Ross, Auburn, N. Y., assignors to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application February 19, 1937, Serial No. 126,610
7 Claims. (Cl. 43—32)



1. A snelled hook case comprising a base plate having a rack at one end provided with hook receiving notches, longitudinally extending depressions adapted to receive the snells and snell engaging means for holding them in the depressions, and a cover plate therefor, said cover plate having longitudinally extending depressions which, when the case is closed, register with the depressions in the base plate and form therewith closed snell containing chambers.

2,102,683

METHOD OF HEAT TREATING NICKEL-IRON ALLOYS

Alfred L. Dixon, Hollywood, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 13, 1933, Serial No. 689,206
2 Claims. (Cl. 148—13.1)

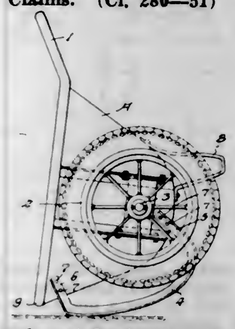
1. An article of manufacture comprising an industrial magnetic product composed of an iron-nickel alloy which has been super-annealed, slowly cooled in a hydrogen atmosphere, reheated in air to a high temperature and then rapidly cooled on a copper plate to impart a high permeability to the product.

2. The process of making an industrial magnetic product composed of an iron-nickel alloy which comprises super-annealing the product, slowly cooling the product in a hydrogen atmosphere, reheating the product in air to a high temperature and then rapidly cooling the product on a copper plate to impart a high permeability to the product.

2,102,684

ROCKER DUMP HAND CART

Raymond B. Dorward, Indianapolis, Ind., assignor to Insley Manufacturing Corporation, Indianapolis, Ind., a corporation
Application March 30, 1936, Serial No. 71,759
2 Claims. (Cl. 280—51)

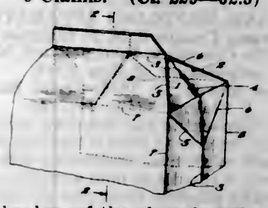


1. A hand push cart for transporting concrete and similar materials, comprising a cart body of generally arc-shaped form viewed from the side, handle means at the rear end of the body, the front end of the body forming a dumping nose or lip, axle means on the body near the lower or bottom portion thereof and at opposite sides, supporting wheels carried by the axle means, and rockers attached to the front and lower portions of the body, comprising angle bars having attachment arms secured to the upper front end portion of the body adjacent to the dumping nose and projecting forwardly therefrom and bent downwardly in advance of the plane of the front end portion of the body and to points below the bottom portion of the body, and thence bent upwardly to provide attaching arms at opposite sides of the bottom portion of the body, and means for securing the attaching arms to the body at the front end and adjacent to the bottom portions of the body.

2,102,685

VALVE-CLOSED BAG

Alfred Du Bois, Paris, France, assignor to Bartlett Arkell, New York, N. Y.
Application February 9, 1934, Serial No. 710,403
In Belgium May 5, 1933
9 Claims. (Cl. 229—62.5)

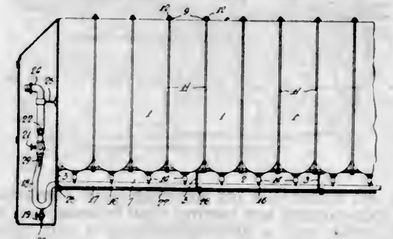


1. A valve bag of the class described, comprising a flattened tube having its ends closed, and one corner thereof folded in to form a valve, with the under flap of the valve creased on lines extending diagonally from the outer corners of the flap to a point on the longitudinal center line of the flap spaced from the inner edge thereof so as to provide hinged portions which when the bag is filled tend to cause the valve flap to be positioned in close fitting engagement with the overlying wall of the valve.

2,102,686

APPARATUS FOR THE TRANSPORTATION OF COMPRESSED OR LIQUEFIED GASES

James W. Dunham, Evanston, Ill., assignor to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application January 6, 1936, Serial No. 57,803
2 Claims. (Cl. 221—73.5)

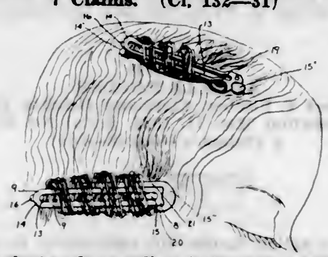


1. A vehicular compressed gas cylinder battery having a plurality of vertically disposed cylinders each having a convex lower end, a supporting plate having apertures presenting marginal surfaces on which said convex cylinder ends seat and whereby they are gravitationally centered in their respective openings, a conduit disposed beneath said plate and connected to each of said cylinders at the lower ends of the latter whereby moisture in said cylinders may drain into said conduit, a trap in said conduit for collecting said moisture, and a blow-off valve at the lower end of said trap.

2,102,687

DEVICE FOR HOLDING AND CURLING HAIR

Anna E. Farrell, Seattle, Wash.
Application July 16, 1935, Serial No. 31,557
7 Claims. (Cl. 132—31)



1. A device for curling hair, comprising two pairs of integral flexible flattened clamp legs, resiliently connected at their rear end with a curved head plate, and extending therefrom for a hair holder substantially parallel with each other, but separated by a slot laterally for ventilation, and normally pressed in alinement with each other perpendicularly for a clamp to hold the ends of a lock of hair, the front ends of each pair of legs connected respectively and bent in opposite directions from the other pair for entry of hair therebetween, said plate provided with a pivot aperture, and a resilient bar slidably and rotatably mounted therein the length of said bar

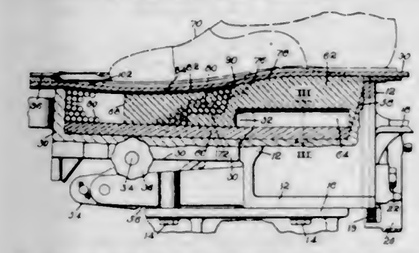
for a spindle on which to rotate the legs, and also to bind the hair when curled around the latter, said bar adapted to be passed through said slot and beneath said hair when bound.

2,102,688

APPARATUS FOR USE IN PRESSING SOLES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application August 20, 1936, Serial No. 97,017
9 Claims. (Cl. 12—38)



1. An apparatus for pressing soles comprising an open-topped box having rigid bottom, end and side walls, and a filler comprising a soft rubber member, and a mass of rigid spherical balls in contact with the soft rubber member.

2,102,689

METHOD OF PRODUCING RUBBER BANDS

Albert T. Fischer, Cleveland Heights, Ohio

Application August 17, 1935, Serial No. 36,751
12 Claims. (Cl. 101—426)



6. The method of making printed rubber bands which comprises maintaining a rubber tube stretched transversely of its axis into substantially flat collapsed condition, printing matter at spaced points on the outside of the tube while in such condition, and severing the tube between the printing to divide the tube into bands.

2,102,690

ARTICLE HOLDER

Albert T. Fischer, Cleveland Heights, Ohio

Application May 21, 1936, Serial No. 80,978
4 Claims. (Cl. 248—205)



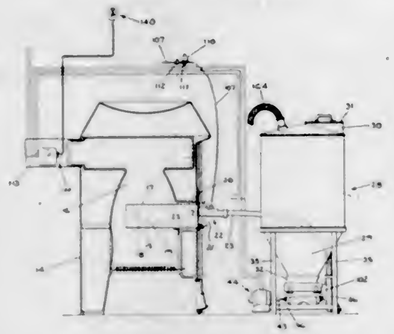
2. An article holder for application to a generally flat wall surface or like support, comprising a flat endless elastic band, a spreader in the band, said spreader being of substantially the same width as the band and of a length to hold the front and back portions of the band in substantially parallel relation, said front portion of the band being free to be stretched relative to the spreader for gripping an article and said back portion being substantially uniformly connected with the spreader, said back portion of the band presenting a flat surface having thereon a substantially coextensive layer of adhesive adapted to be pressed against said wall surface for connecting the holder therewith.

2,102,691

AUTOMATIC SYSTEM FOR SUPPLYING PULVERIZED FUEL TO FURNACES

Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application January 18, 1933, Serial No. 652,347
1 Claim. (Cl. 110—28)



In a furnace system, the combination with a furnace constructed and adapted for domestic operation and having a main combustion chamber, of an ignition chamber within said furnace and within said main combustion chamber, feeding means for supplying pulverized fuel mixed with air to said ignition chamber for initial combustion, said feeding means including a rotating plate, an adjustable non-rotating plow positioned to remove material from said plate, a fan, means directing material removed from said plate to said fan, and means fed by said fan and directing pulverized coal mixed with air to said ignition chamber as aforesaid; electro-magnetic means for adjusting said plow to increase the feeding rate of said feeding means during a flame starting period whereby the ignition chamber becomes sufficiently heated during the flame starting to act continuously during a following running period to maintain combustion of the mixture of pulverized fuel and air, ignition means for igniting said mixture, and automatic thermostatically controlled means constructed and arranged to effect operation of said ignition means, said feeding means and said plow to initiate combustion with the mixture of pulverized coal and air fed at an increased rate during the starting period as aforesaid after which said ignition means and electro-magnetic plow adjusting means are devitalized, and for stopping the operation of said feeding means after a longer period of operation.

2,102,692

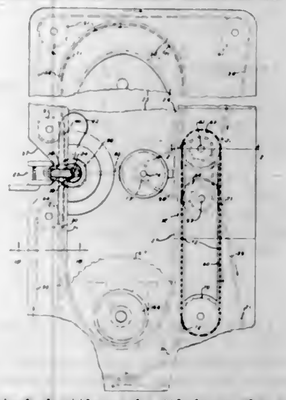
STRAND HANDLING APPARATUS

Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application March 11, 1936, Serial No. 68,233
5 Claims. (Cl. 242—4)

1. In an apparatus for winding strand on a toroidal core, means to hold a toroidal core to be wound, a pair of sheaves positioned with the core therebetween, a shuttle to hold a supply of strand, flexible means passing over one of the sheaves and positioned to engage the shuttle and having means thereon to insert the shuttle into the core and then release the shuttle after it has moved into the core, and flexible means passing over

the other sheave and positioned to engage the shuttle and having means thereon to couple to



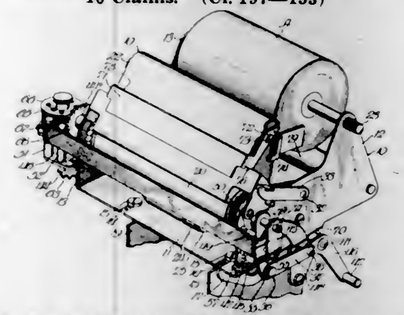
the inserted shuttle and withdraw the same from the core.

2,102,693

ADDING MACHINE

Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware

Application June 3, 1937, Serial No. 146,171
16 Claims. (Cl. 197—153)



1. In an adding machine or the like, a carriage having a platen adapted to receive impressions from the printing elements of the machine, said carriage being arranged to move toward and away from the printing elements, of manually controlled means operatively connected to the carriage for effecting its movement, a ribbon carried by the carriage and arranged to be fed in overlapped relation in close proximity with the platen, and means guiding said ribbon including operative connections associated with said carriage whereby upon the movement of said carriage away from the printing elements said guiding means will be rocked to swing and spread the ribbon.

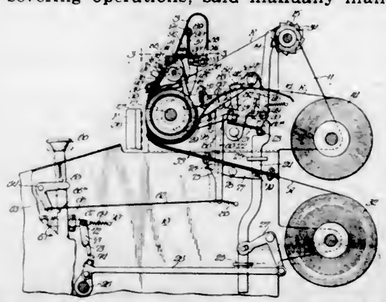
2,102,694

PAPER CUT-OFF AND FEEDING MECHANISM

Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware

Application June 17, 1937, Serial No. 148,647
8 Claims. (Cl. 197—132)

1. In a paper cut-off and feeding mechanism for an adding machine or the like comprising feeding means arranged to feed a paper strip upon one operation of the machine and severing means for the paper strip adapted to be conditioned upon said operation, manually manipulative means conditioning said severing means for severing operations, said manually manipu-



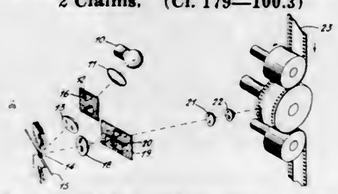
lative means serving also to condition said feed means for a greater distance of feed while conditioning the severing means, said severing means when conditioned being releasable at near the restoring operation of the machine for effecting a severing movement of said severing means.

2,102,695

RECORDING AND REPRODUCING OF ELECTRICAL IMPULSES

Marion W. Gieskieng, Little Rock, Ark., assignor to Radio Corporation of America, a corporation of Delaware

Application December 29, 1933, Serial No. 704,445
2 Claims. (Cl. 179—100.3)



1. The method which includes producing a light beam having differently colored components, modulating one of said components in accordance with only the positive half waves of the impulses to be recorded, modulating another of said components in accordance with only the negative half waves of said impulses and photographically recording said components in alinement in their respective colors.

2,102,696

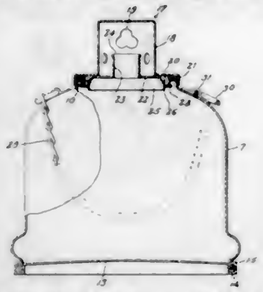
HIGHWAY TORCH

Michael J. Gilmore, Youngstown, Ohio

Application December 18, 1936, Serial No. 116,623
1 Claim. (Cl. 67—55)

A highway torch of the class described comprising a body provided at its top with a neck having an inturned annular ledge, said ledge being provided on its inner periphery with depending arcuate flanges, said flanges being spaced apart to provide clearance openings, and being beveled on their lower edges, a cap having openings therein, an annular member surrounding the lower end of the cap and adapted to rest on the ledge, a depending rim on the annular member for engaging the neck, a wick tube extending into the lower part of the cap, an annular member connected with and extending outwardly from the lower end of the tube and to which the

annular member connected with the cap is fastened, the annular member of the tube having a depending rim extending into the neck and having notches therein, outwardly and downwardly



sloping tongues located in said notches and formed with the annular member of the tube and having lateral extremities for engaging the beveled edges of the flanges of the ledge for removably holding the cap and tube on the neck.

2,102,697

METHOD FOR THE DEHYDRATION OF NITROCELLULOSE AND TO THE PRODUCT THEREOF

Walter E. Gloor, Kennett Square, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 8, 1936, Serial No. 89,651

19 Claims. (Cl. 260—148)

1. The method of treating nitrocellulose, which comprises treating nitrocellulose damp with water with a monohydric aliphatic alcohol containing not less than six carbon atoms and not more than twelve carbon atoms in liquid phase and in amount greater than the amount of water present in the nitrocellulose and removing a mixture of the alcohol and water from the nitrocellulose.

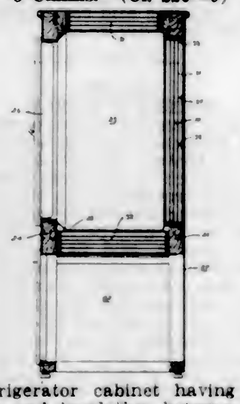
2,102,698

REFRIGERATING APPARATUS

Richard E. Gould, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

Application May 27, 1932, Serial No. 613,941

8 Claims. (Cl. 220—9)



1. A refrigerator cabinet having inner and outer walls and insulation between said inner and outer walls, said insulation including a plurality of sheets of zinc separated by dead air spaces.

2,102,699

PROCESS OF TANNING

Arthur J. Green, Marblehead, Mass., assignor to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine

No Drawing. Application October 1, 1935, Serial No. 43,083

11 Claims. (Cl. 149—4)

6. That step in the tanning of hides and skins which comprises the quick freezing of the untanned hide or skin at a temperature of approximately —30° F.

2,102,700

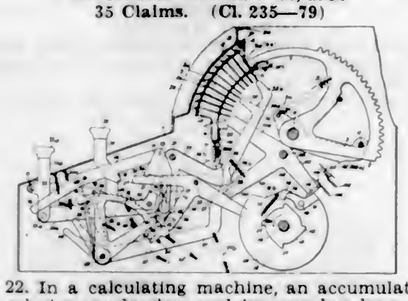
CALCULATING MACHINE OF THE TEN KEY TYPE

Ernst Valfrid Gustafsson, St. Essingen, and Gustaf Hilarius Hellgren, Malmo, Sweden, assignors to Aktiebolaget Facit, Atvidaberg, Sweden, a joint-stock company of Sweden

Application November 14, 1933, Serial No. 698,004

In Sweden November 22, 1932

35 Claims. (Cl. 235—79)



22. In a calculating machine, an accumulator, a selector mechanism and ten number keys for setting a desired numerical value on said selector mechanism, transfer means for transferring to said accumulator a numeral value set on said selector mechanism, said transfer means comprising transfer mechanism having a main shaft adapted to be connected by a clutch to an operating shaft, and control means for actuating said clutch in accordance with the desired number of transfers of the set numerical value; said control means including a pivotally mounted toothed sector, a member actuated thereby, and a three armed lever actuated by said member, one arm of said lever controlling said clutch to engage the same upon a displacement of said toothed sector to actuate said member and thereby said lever.

2,102,701

ELECTRIC CURRENT PRODUCING UNIT OR CELL

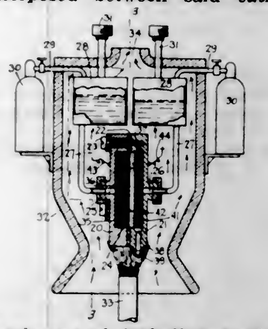
Janos Gyuris, New York, N. Y.

Application November 18, 1933, Serial No. 698,607

In Hungary July 17, 1933

6 Claims. (Cl. 136—83)

1. In a continuously operating current-producing electric element, the combination comprising a cathode and an anode chamber opening into each other, means including a reservoir for feeding a fused alkali metal into said cathode chamber, means including a second reservoir for feeding fused oxygen-releasing substance into said anode chamber, heating means for maintaining both said cathode and anode substances above the temperature of fusion, and diffusing means interposed between said cathode and



anode chambers and including a plurality of metal screens for controlling the reaction between said substances.

2,102,702

PACKAGE

Andrew M. Hall, Cambria, Va.

Application January 28, 1937, Serial No. 122,830

1 Claim. (Cl. 229—63)



A package assembly comprising a bag made of dust-proof material and having its walls adjacent its mouth gathered into a bundle, a protecting cap-like member of dust-proof deformable material completely enclosing the end portion of the bundle, the said member having a central portion overlying the end of the bundle and a skirt-like portion extending along the sides of the bundle to a point adjacent the inner end of the bundle, and a strand tied tightly about the outside of the protecting member and bundle at a point between the end of the bundle and the end of the skirt-like portion of the protecting member.

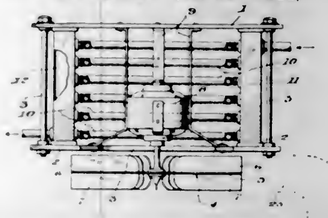
2,102,703

AIR TREATING UNIT

De Lancey M. Hall, Montclair, N. J.

Application October 19, 1935, Serial No. 45,818

18 Claims. (Cl. 257—244)



1. In an air treating unit, an attaching support structure forming an air guiding passage, an air treating member carried by said attaching support, and an air circulating member carried by said support, said air circulating member constructed to circulate a quantity of untreated air and mix it with the treated air circulated.

2,102,704

SYRINGE CARTRIDGE

George N. Hein, San Francisco, Calif.

Application June 10, 1935, Serial No. 25,791

3 Claims. (Cl. 128—218)



1. A syringe cartridge including an elongated tubular vial body having an opening at a filling end for receiving a plunger and having a discharge end opening, a closure member for closing said filling end and being snugly slidable longitudinally of the vial body, a discharge closure member of resilient material mounted at the discharge end opening of the vial body, said last mentioned closure member being tubular and having a puncturable wall of said resilient material normally closing said tube, said last mentioned closure member having at its outer end portion means for releasable mounting thereto of an injection needle hub in abutting contact with the closure member and in fixed relation against longitudinal pressure within the vial body when the puncturable wall has been punctured by an injection needle, said cartridge including means for maintaining said discharge closure member against sliding longitudinally inwardly of the vial body, and the said discharge closure member being extended beyond the confines of the vial body and providing a resilient frictional grip bumper and sealing washer against which the hub of a needle may abut when mounted to the cartridge.

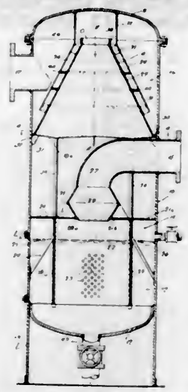
2,102,705

SEPARATOR

Elting Henderson, Huntington Park, and John B. Reddick, Sierra Madre, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application May 8, 1935, Serial No. 20,352

11 Claims. (Cl. 183—24)



7. In a separator of the character described, a shell containing a body of liquid, an apertured wall at the outside of said liquid body and spaced from said shell, means for discharging a stream of dust laden gas downwardly at high velocity against the surface of said liquid body, the liquid level being depressed by the gas to uncover apertures in said wall and the gas flowing outwardly through the apertures into a chamber in the upper interior of said shell, and liquid and gas separating means within said chamber, said separating means comprising inner and outer annularly

spaced and substantially concentric conical walls forming an annular separating passage of downwardly increasing cross sectional area, the gas flowing to the upper end of said passage through the interior of said inner conical wall, means for draining separated liquid from said passage into said liquid body, and a gas outlet communicating with said passage by way of a space between said outer conical wall and said shell.

2,102,706

DRILL FEEDING MECHANISM

Charles A. Hirschberg, Mountain Lakes, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Virginia

Application February 19, 1936, Serial No. 64,790
Renewed May 18, 1937
32 Claims. (Cl. 255—51)



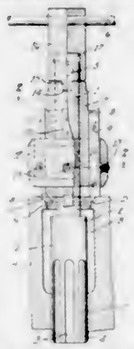
1. In a drill feeding mechanism, a support, a two-way pneumatic feed cylinder slidable on said support, a piston in said cylinder, releasable means for holding said piston against movement relative to the support, a valve for controlling delivery of pressure fluid to the cylinder for moving the cylinder on the support, and means for locking said cylinder in adjusted positions on said support.

2,102,707

VALVE-SEAT SURFACING TOOL

Michael Holhut, Jennings, Mo., assignor to H & H Machine & Motor Parts Co., St. Louis, Mo., a corporation of Missouri

Application September 16, 1936, Serial No. 101,002
4 Claims. (Cl. 90—12.5)



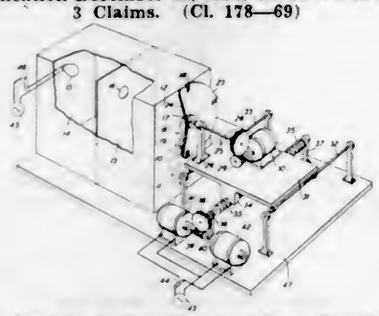
1. A valve-seat surfacing cutter comprising a sleeve adapted for rotative movement in a path accurately concentric about the axial line of a valve-seat, and a plurality of valve-seat cutting-bits operatively mounted in the sleeve, some of said bits having a cutting angle of 15°, others of said bits having a cutting angle of 45°, and still others of said bits having a cutting angle of 75°, said 15° bits being positioned to cut an initial face, said 45° bits being positioned to cut a face contiguous to the radially inwardly disposed edge of the initial face, and said 75° bits being positioned to cut a face contiguous to the radially inwardly disposed edge of the face cut by the 45° bits.

2,102,708

SIGNAL TESTING APPARATUS

Louis W. Howle, Atlanta, Ga., assignor to American Telephone and Telegraph Company, a corporation of New York

Application December 28, 1936, Serial No. 117,935
3 Claims. (Cl. 178—69)



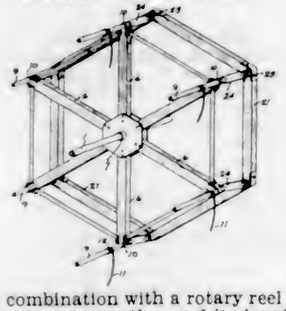
1. Apparatus for testing telegraph signals which comprises a signal producing means, a signal receiving means, a light beam, a photosensitive member in the path of the light beam, a shutter operated by the signal receiving means and adapted to interrupt said light beam in accordance with the received signals, means synchronized with the signal producing means for rotating said light sensitive member, and means for simultaneously imparting a transverse motion to said light sensitive member whereby a discontinuous spiral trace is formed upon said light sensitive member, the position of the discontinuities being an indication of the condition of the received signal.

2,102,709

HARVESTER REEL

Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation

Application November 18, 1935, Serial No. 50,388
4 Claims. (Cl. 56—220)



1. The combination with a rotary reel of polygonal shape in cross section and its longitudinally extending tine bars having a supplemental rotary movement, of an exterior, eccentric operating frame for said bars conforming to the shape of the reel and mounted at one end of the reel, power transmission means connecting said frame and bars, and an exterior, complementary stabilizing frame mounted on said bars at the other end of the reel.

2,102,710

HARVESTER

Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation

Application November 18, 1935, Serial No. 50,389
6 Claims. (Cl. 56—158)



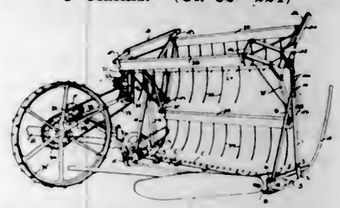
1. In a harvesting implement of the reciprocating cutter type, the combination with a relatively stationary supporting frame and a separate vertically movable cutter bar in advance of the frame, of a supporting arm flexibly attached at its front end to the cutter bar, a ground-shoe forming part of the supporting arm, and a pivotal connection between the rear end of the arm and said frame.

2,102,711

HARVESTING MACHINE

Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation

Application May 23, 1936, Serial No. 81,418
5 Claims. (Cl. 56—224)



1. In a reel mount for a harvesting machine of the side cutting type, the combination with cutting mechanism and a pointed shoe forming a supporting means therefor, of a standard having a loop at its lower end frictionally engaging said pointed shoe, a rearwardly extending diagonal brace and adjustable means for securing the upper end of the brace to said standard, and means for rigidly attaching the spaced, lower end of said brace to the shoe.

2,102,712

PROTECTIVE COSMETICS

Samuel Isermann, Summit, Ernst Ohlsson, Jersey City, and John W. Orelup, Summit, N. J.

No Drawing. Application January 4, 1935, Serial No. 426
5 Claims. (Cl. 167—90)

1. A cosmetic effective in thin films to retard ultra violet absorption containing as an active ingredient an amino or substituted amino-orthobenzoic acid in concentrations of less than 5%.

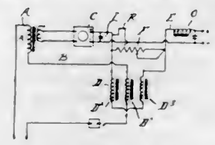
2,102,713

RECTIFIER

John G. Jackson, Detroit, and Stanley M. Hanley, Grosse Pointe Farms, Mich., assignors, by mesne assignments, to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application October 30, 1933, Serial No. 695,904
9 Claims. (Cl. 175—363)

1. A voltage regulating system comprising a rectifier adapted to be fed from a source of alternating current through an alternating current circuit, a regulating reactor in said alternating current circuit, said regulating reactor comprising a magnetic core, a magnetizing winding on said core, said magnetizing winding being energized in accordance with the load current output of said rectifier, and a single phase alternating current winding on said core and connected in



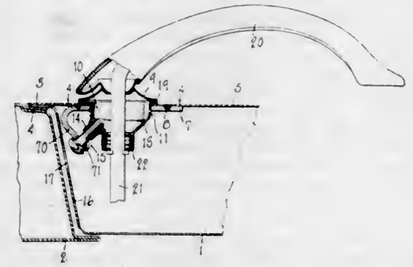
said alternating current circuit, said alternating current winding and said magnetizing winding being related to each other to neutralize alternating voltages induced in said magnetizing winding by said alternating current winding, and stabilizing means for said system comprising a resistance connected across said magnetizing winding and forming a local closed circuit therewith.

2,102,714

DOOR HANDLE MOUNTING

Gerald V. Jakeway, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.

Application September 5, 1936, Serial No. 99,565
16 Claims. (Cl. 292—350)



1. In a handle mounting for an automobile door panel apertured to receive the same, a reinforcing plate secured to said panel and apertured in line with the panel aperture, said plate having a locking offset, an escutcheon member fitted in said apertures and having an annular flange abutting said panel, the door having an opening in the edge thereof adjacent the frame, said locking offset having a hole therein and said escutcheon member having a threaded element in alinement with said hole and opening, and a screw abutting said offset and extending through said hole in threaded engagement with said element and operative to secure said escutcheon member on said door.

2,102,715

DECORATIVE COATED FABRIC

Harry J. Jenemann, Newburgh, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 3, 1935, Serial No. 29,686
1 Claim. (Cl. 91—67.9)

The process of preparing a leather substitute which comprises coating fabric with a plasticized

nitrocellulose coating composition, removing volatile solvent, imprinting on the coated surface a photographically reproduced leather design with an ink consisting of

	Parts by weight
Cellulose nitrate	9.06
Pigment	20.51
Castor oil	10.25
Ethyl acetate	10.22
Ethyl alcohol	15.34
Butyl acetate	34.62

embossing the printed coating in a leather grain and finally coating the printed and embossed surface with a clear nitrocellulose lacquer and drying the same.

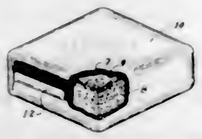
2,102,716

METHOD AND MEANS OF PACKING FOOD PRODUCTS AND THE LIKE

Samuel H. Berch, Beverly Hills, Calif.

Application October 26, 1937, Serial No. 170,993

6 Claims. (Cl. 99—152)



1. A method of packing roasted coffee which consists in placing roasted coffee within a container capable of collapsing and incapable of distending, said container being formed with a laminated sheet wall including an inner sheet of flexible, pliable and stretchable material impervious to air, moisture and action of coffee oils and an outer flexible non-stretching sheet of material, said sheets being united between their surfaces so as to exclude entrance of air between the two sheets, the container being completely filled with coffee, then exhausting the air from the container causing the walls of the container to collapse around the product and compressing the same into a hard solid mass and hermetically sealing and vulcanizing the inner wall of the container so that the sealed vulcanized ends of the container will also be impervious to moisture and air and the deteriorating action of coffee oils and whereby atmospheric pressure acting against walls of the container will maintain the container in its collapsed position and the coffee in a compacted condition therein.

4. A vacuum package completely filled with ground coffee comprising a collapsible container of laminated material including an outer flexible sheet of non-stretching material and an inner sheet of flexible pliable stretchable material impervious to air and moisture, said sheets being united between their surfaces so as to exclude entrance of air between the two sheets, said package being vacuumized and hermetically sealed and said container being collapsed around the ground coffee and compressing the same into a hard solid mass, and the inner sheet being stretched over the individual coffee particles in contact with it and conforming to and partially surrounding the same, whereby the native coffee gases are confined within the cells of the coffee particles and the package maintained in its preformed shape and in vacuum condition until the package is unsealed.

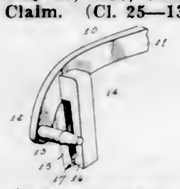
2,102,717

METAL FORM CLAMPING DEVICE

William Allen Jennings, Des Moines, Iowa, assignor to Economy Forms Corporation, Des Moines, Iowa, a corporation of Iowa

Application July 27, 1936, Serial No. 92,754

1 Claim. (Cl. 25—131)



A clamping device comprising a lever, a fulcrum pin extended laterally from one end portion of the lever, and a pair of jaws formed integral with the lever and of resilient material, the space between the ends of the jaws furthest from the lever being less than the space between the remainder of the jaws and whereby when the jaws are forced upon two articles to be clamped together and which are relatively thick at their outer edges and of less thickness at a point spaced from said outer edges, the jaws will be forced apart during the time when the jaws are moving over said relatively thick portions and then spring toward each other and form a frictional locking engagement with said articles when the end portions of the jaws reach said less thick portions of the articles.

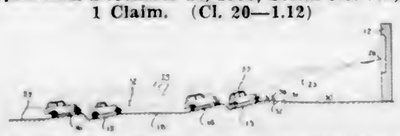
2,102,718

THEATER

Louis P. Josserand, Houston, Tex.

Application December 14, 1933, Serial No. 702,294

1 Claim. (Cl. 20—1.12)



An outdoor theater for vehicles comprising a stage, a generally concaved surface located in front of the stage, spaced driveways on said surface, a parking area located on each side of each driveway, the area in front of each driveway being inclined upwardly therefrom and the area in the rear of each driveway being inclined downwardly therefrom in such a manner that the occupants of the vehicle parked on said parking areas will have an unobstructed view of the stage.

2,102,719

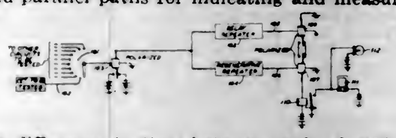
SIGNAL DISTORTION INDICATING AND MEASURING DEVICE

Fullerton S. Kinkead, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 4, 1934, Serial No. 738,416

12 Claims. (Cl. 178—69)

9. In a signaling system, a device for measuring distortion present in incoming signals comprising a source of signaling current impulses, relaying means for regenerating said impulses, a circuit for transmitting said regenerated impulses, parallel paths including said circuit, distributing means connected in one of said paths for reproducing the current impulses as originally transmitted from said source, distortion introducing means in another of said paths for delaying the transmission of said regenerated impulses for a predetermined interval, and indicating means common to said parallel paths for indicating and measuring



the difference in time between each of said regenerated impulses and its corresponding reproduced impulse.

2,102,720

OPAQUE VITREOUS ENAMEL

Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine

No Drawing. Application June 12, 1934, Serial No. 730,264

4 Claims. (Cl. 106—36.2)

1. The method of making opaque vitreous enameled and glazed ware, which comprises smelting part of a raw batch mixture of fusible enamel ingredients to form a relatively fluid melt and clear frit, then milling said clear frit mixed with lead zirconium silicate, the remaining ingredients of the batch and water to prepare the enamel slip, coating said ware with said slip and burning same to form said opaque enameled and glazed ware.

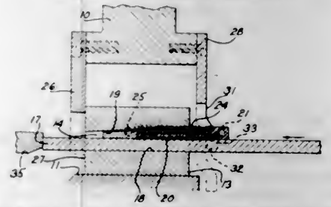
2,102,721

MATERIAL WORKING APPARATUS

Ray C. Kivley, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 9, 1935, Serial No. 5,718

2 Claims. (Cl. 164—51)



1. In a material working apparatus, a support for the material having a tapered channel therein for the passage of elongated material, means movable to and from the material for working thereon, means reciprocative in said channel effective in one position thereof in cooperation with a tapered side of said channel and the material for holding the material relative to the support and in another position releasing the material, and means including an operative connection between the working means and the holding means responsive to the movement of the working means towards the material for actuating the holding means to hold the material and actuating the holding means to release the material during the movement of the working means from the material.

2,102,722

TRACTOR HITCH DEVICE

Justin H. Kortering, Holland, Mich.

Application February 26, 1936, Serial No. 65,770

22 Claims. (Cl. 180—14.5)

1. In a hitch device, the combination of a draft rod provided with a draw bar coupling at its front end and with a draft lug, a hitch member slidable on said draft rod and comprising spaced front, rear and intermediate crossheads, the front and intermediate crossheads being in slidable engagement with the draft rod, the rear crosshead being provided with a coupling member, tie rods joining said front and rear crossheads and arranged extending through the intermediate crosshead, a dashpot cylinder arranged between the intermediate and rear crossheads, said draft rod being provided with a plunger coacting with said dashpot cylinder and provided with a check valve, a cylindrical housing arranged between said front and intermediate crossheads, a coiled draft spring arranged within said housing, an adjust-



able support member for said spring provided with supporting and adjusting screws on said front crosshead, a yoke disposed within the spring and provided with a thrust collar engaging the inner end of said spring, coupling pawls pivoted to said yoke and shouldered to engage said draft lug on said draft rod, springs acting to urge said coupling pawls to lug engaging position, a collar slidable on said draft rod at the rear of said draft lug, links connecting said collar to the swinging ends of said coupling pawls, a spring urging said collar forwardly, a stop rod on said intermediate crosshead limiting the forward movement of said collar, and a stop within said housing disposed at the rear of and normally out of engagement with said yoke thrust collar.

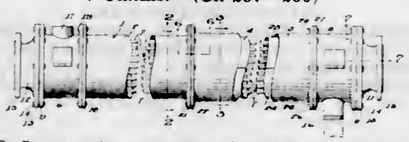
2,102,723

COOLER

Meinhard H. Kotzebue, Tulsa, Okla.

Application February 5, 1937, Serial No. 124,248

7 Claims. (Cl. 257—236)



2. In a cooler, a casing, liquid inlet and outlet heads at the ends of said casing, tubes extending through said casing, said casing between said heads being formed of a large section and a small section arranged end to end whereby the smaller section may be telescoped into the larger section to permit access to the tubes at one end of the cooler, and the larger section telescoped over the smaller section to permit access to the tubes at the other end of the cooler, and an inner casing section within said larger section and extending from the inner end of the smaller section to the outer end of the larger section.

2,102,724

SPRING CUSHION STRUCTURE

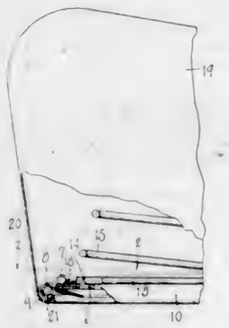
Walter Lesinski, Detroit, Mich., assignor to L. A. Young Spring and Wire Corporation, Detroit, Mich.

Application September 24, 1936, Serial No. 102,295

12 Claims. (Cl. 155—180)

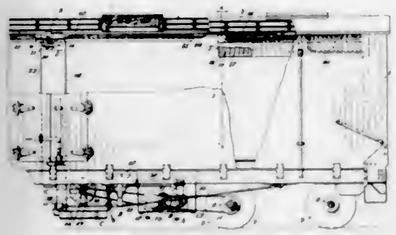
1. In a spring cushion structure, a border frame comprising fixedly connected side and end members formed of metal strips, the strips being folded longitudinally to provide a relatively wide

double thickness horizontal web, the upper arm of the web being reversely folded to provide an inwardly facing spring supporting channel, the lower arm of the web being extended beyond the upper and curved downwardly and inwardly to provide an inwardly facing curved upholstery securing channel disposed outwardly relative to the spring securing channel whereby said upper arm may be deformed to close said spring securing channel without deforming said upholstery skirt



channel, cross bars extending between said side members and fixedly secured to the webs thereof, a spring supporting wire grid disposed upon said cross members with their ends lapped upon said webs and fixedly secured thereto, coiled body springs arranged on said grid, the bottom coils of certain of said body springs being clamped within the inwardly facing spring supporting channel, and an upholstery covering provided with a depending skirt passed around said upholstery securing channel and disposed therein.

2,102,725
REFRIGERATOR CAR
John Lithgow, Blue Island, Ill., assignor to North American Car Corporation, Chicago, Ill., a corporation of Illinois
Application January 11, 1933, Serial No. 651,156
7 Claims. (Cl. 62—117)

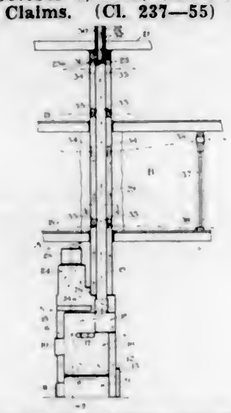


1. In a refrigerating system, a cold-storage tank, a refrigerating coil positioned inside the tank, a refrigerating coil positioned outside the tank, the two coils being connected in parallel, and means responsive to temperature changes within the space the temperature of which is controlled by the system for circulating a refrigerant through the outside coil only when the temperature in the space is above a predetermined temperature, and through the inside coil only when the temperature in the space is below this predetermined temperature.

2,102,726
PRODUCTION OF ALCOHOLS
Martin Luther, Mannheim, and Wilhelm Dietrich, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 23, 1936, Serial No. 86,816. In Germany October 15, 1929
6 Claims. (Cl. 260—156)

1. The process for the production of products consisting mainly of mixtures of the higher members of the aliphatic alcohol series which comprises heating the products, comprising non-aromatic long-chain acids, esters and carbonyl compounds from a destructive oxidation of difficultly volatile hydrocarbons in the liquid phase by means of a gaseous oxidizing agent containing free oxygen, in the presence of hydrogen and of a copper catalyst at a pressure about 10 atmospheres.

2,102,727
HEATING SYSTEM
James H. Maher, Montreal, Quebec, Canada
Application October 8, 1936, Serial No. 104,669
7 Claims. (Cl. 237—55)

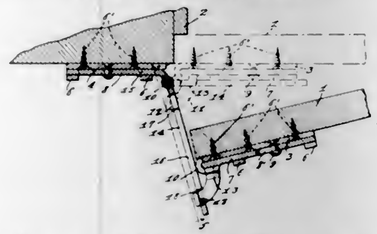


1. A hot air heating system comprising a hot air furnace including an air heating chamber provided with a cold air inlet, a smoke flue extending upwardly from said furnace, an air heating flue extending upwardly from said air heating chamber and surrounding said smoke flue, said air flue having its upper end closed off and being provided, at intervals corresponding to different floor levels, with air inlets and outlets arranged to provide at least one inlet and one outlet for each floor level, said air inlets being arranged to extend upwardly within the flue so that relatively cool air is caused to enter the latter through the inlet or inlets at each floor level by the injector action of the heated air rising in said flue.

2,102,728
METHOD OF REFINING COPPER
Albert T. March and Walter E. Remmers, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 7, 1936, Serial No. 94,797
6 Claims. (Cl. 75—76)

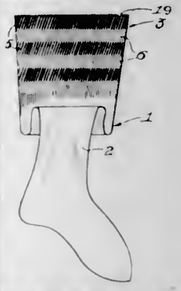
2. The process of removing lead from copper which comprises heating molten copper to a temperature in the vicinity of 2050° F., introducing an oxidizing medium into the bath, raising the temperature to the vicinity of 2160° F. to volatilize lead oxide, and keeping the surface of the bath substantially free from slag during said oxidation and volatilization.

2,102,729
COMBINATION DOOR PROTECTOR AND LOCK
Gordon Grant McDonald, Nova Scotia, Nova Scotia, Canada, assignor to Edna P. Cox, Halifax, Nova Scotia, Canada
Application August 10, 1936, Serial No. 95,263
3 Claims. (Cl. 292—269)



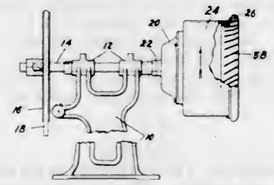
1. A door fastener comprising an attaching plate secured to a door, a second attaching plate secured to a door frame, an attaching member pivotally and slidably connected to the first-named attaching plate and capable of extending parallel therewith or at right angles to the length thereof, a second attaching member pivoted to the second-named attaching plate and capable of extending parallel therewith or at right angles to the length thereof, jaws formed on the attaching members and the jaws of each attaching member extending in opposite directions to each other and adapted to overlie the attaching members when in parallelism with the attaching plates, and separable means connected with the attaching plates for securing the door in a closed position or in a partly open position.

2,102,730
STOCKING
Milton M. Meyers, Elkins Park, Pa., assignor to Clarence L. Meyers & Co., Philadelphia, Pa.
Application July 31, 1936, Serial No. 93,553
8 Claims. (Cl. 66—173)



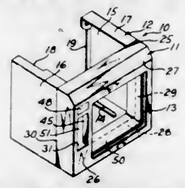
1. In a knitted stocking, a knitted welt comprising an alternating arrangement of fabric bands of predetermined width, each band consisting of a multiplicity of successive courses, the courses of every other band being knitted from a yarn twisted at a degree different from the degree of twist of the yarn forming the courses of the interposed bands, whereby the bands will have different degrees of surface brightness.

2,102,731
LIP LAYING DEVICE
George A. Miner, Goffstown, N. H., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 20, 1936, Serial No. 91,465
3 Claims. (Cl. 12—29)



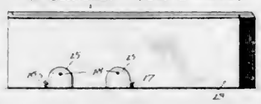
1. A lip-laying device comprising a hollow rotary member having an open end which is surrounded by a smooth annular rim, and a plurality of strips of a soft smooth material embedded in said rim for frictionally engaging a lip formed on a sole to assist the rim in wiping down the lip.

2,102,732
METHOD OF FORMING SHEET METAL ARTICLES
Ivar A. Morberg, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1936, Serial No. 58,635
3 Claims. (Cl. 113—116)



1. The method of forming the front of a coin box for telephone pay stations which comprises forming a blank having a front wall and top, bottom and side flanges, perforating two openings in the front wall of the blank, enlarging one of said openings by shearing and folding the metal adjacent thereto at an angle to the front wall, and drawing the metal adjacent the edges of the second opening out of the plane of the front wall, and swaging the edges of said second opening to form a door seat and to thicken the material adjacent the edges along a predetermined line.

2,102,733
BATHTUB
Robert Mueller, Decatur, Ill.
Original application December 23, 1935, Serial No. 55,910, now Patent No. 2,074,234, dated March 16, 1937. Divided and this application September 16, 1936, Serial No. 101,141
7 Claims. (Cl. 4—173)



1. A bath tub having an apron, the lower portion of which is cut out to provide a foot receiving opening, and a cover plate for said opening movable into and out of operative position.

2,102,734

PREPARATION FOR TREATING PLANTS

Edward P. Naus, Minneapolis, Minn.

No Drawing. Original application July 29, 1933, Serial No. 682,887. Divided and this application May 25, 1936, Serial No. 81,714

1 Claim. (Cl. 167—29)

A dry preparation for protecting plants, trees, and shrubs against the ravages of bugs, insects, and plant diseases, composed substantially entirely of finely pulverized asphalt pitch, whereby it may readily be applied to the plants in a dry, dust-like powder which readily adheres thereto.

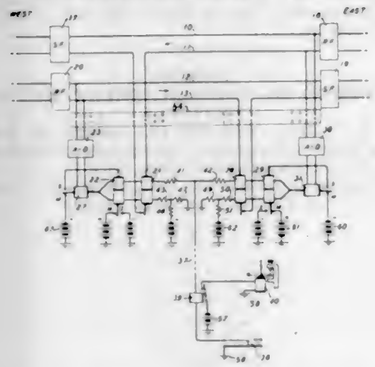
2,102,735

CARRIER TELEGRAPH SYSTEM

James T. Neiswinter, Cleveland, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York

Application December 23, 1936, Serial No. 117,381

3 Claims. (Cl. 178—66)



3. In a telegraph system, an eastward line transmitting carrier currents in a plurality of frequency ranges, a westward line transmitting carrier currents in a plurality of frequency ranges, a pair of filters in series in each line at a given location, the two filters of each pair selectively passing the same range of frequencies, a subscriber's loop comprising a symmetrical differential circuit layout, each half of said loop circuit including a send relay, a receive relay, a break relay, a potentiometer and a voltage source, said send relays and said break relays having two operating windings, a conductor joining the armature of one of said receive relays, the first winding of each of said send relays and each of said break relays and the armature of the other of said receive relays in series, a second conductor joining the armature of one of said receive relays, the second winding of one of said send relays and one of said break relays, one of said potentiometers and one of said voltage sources in series, a third conductor joining the armature of the other of said receive relays, the second winding of the other of said send relays and the other of said break relays, the other of said potentiometers and the other of said voltage sources in series, a sounder in the subscriber's loop, a relay for controlling the operation of said sounder, a fourth conductor joining the midpoint of said first conductor and the operating winding of said last-mentioned relay, each of said send relays controlling a contact in a respective one of said lines at a point between the pair of filters in the respective line and each of said receive relays being effectively connected in bridge of a different respective line at a point between the pair of filters connected in the respective line.

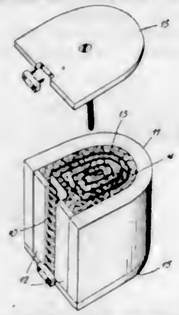
2,102,736

ACOUSTICAL DEVICE

Harry F. Olson, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 21, 1933, Serial No. 699,090

6 Claims. (Cl. 179—138)



2. The combination of magnetic field producing means arranged to form a chamber, an electrically conducting diaphragm mounted in said field to form a section in a wall of said chamber, means arranged within said chamber to form a winding passageway with one of its openings covering the rear of said diaphragm, means within said passageway for rendering the impedance presented to the diaphragm independent of frequency.

2,102,737

PREPARATION OF ANTIMONY CHLORIDES

Ferdinand W. Peck, Penns Grove, N. J., and William R. Waldron, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 28, 1934 Serial No. 713,400

10 Claims. (Cl. 23—98)

10. The process of producing antimony trichloride which comprises reacting metallic antimony in a state of subdivision with chlorine in a high-boiling aromatic solvent for antimony chloride of the class consisting of nitrobenzene, ortho-nitrochlorobenzene and para-nitrochlorobenzene at a temperature not higher than about 85° C., while maintaining an excess of metallic antimony in the chlorination reaction mixture during the reaction.

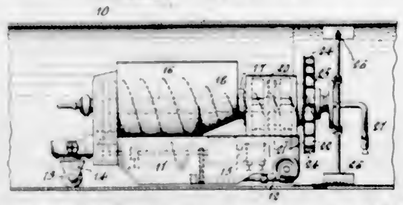
2,102,738

PIPE COATING APPARATUS

Albert G. Perkins, Warsaw, N. Y.

Application May 22, 1936, Serial No. 81,275

7 Claims. (Cl. 91—44)



1. An apparatus for lining pipe walls and the like, comprising a feed conduit adapted for communication with a source of coating material and having an annular row of discharge ports therein, said ports being disposed obliquely to the conduit axis, and a revolving dispensing member including intercepting blades disposed in operative communicating relation to and covering a plurality of said discharge ports simultaneously for receiving and discharging the material centrifugally therefrom onto the pipe wall.

2,102,739

FISH BAIT

Frank J. Peters, Portland, Oreg.

Application July 7, 1936, Serial No. 89,335

1 Claim. (Cl. 43—42)



A new article of manufacture comprised of a jacket made of stretchable material and delineated upon its exterior to resemble live bait and a fish hook and a leader associated with the jacket and means for opening and closing the jacket to facilitate the filling and the emptying of the jacket with bait material of the desired color.

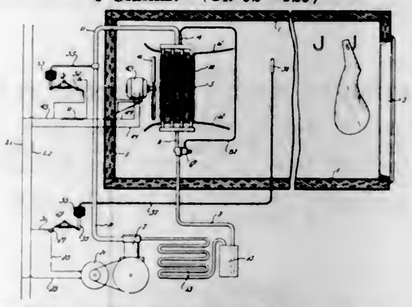
2,102,740

REFRIGERATING APPARATUS

Lawrence A. Philipp, Detroit, Mich., assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland

Application November 26, 1934, Serial No. 754,704

6 Claims. (Cl. 62—129)



5. In a conditioning system the combination of a refrigerant evaporator, a refrigerant circulating device, means for causing air to flow over said refrigerant evaporator, and means directly responsive to the temperature of the evaporator for controlling the flow of air over the evaporator so that the evaporator operates at proper temperatures for removing both sensible and latent heat from excessively humid air and substantially only the sensible heat from air of proper humidity.

2,102,741

PROCESS FOR TREATING VULCANIZED RUBBER

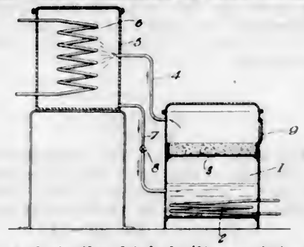
Francis Norman Pickett, London, England, assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

Application April 21, 1934, Serial No. 721,760

In Great Britain July 31, 1933

10 Claims. (Cl. 18—52)

6. A process of manufacture of rubber which comprises plasticizing comminuted vulcanized rubber from vulcanized rubber waste by heating the rubber under pressure not exceeding 60 lbs./sq. in. with a distillate of rubber comprising



Heveene and similar high boiling point oils from which distillate the isoprene fraction has been substantially removed, the process being carried out at a temperature and for a period of time sufficient to ensure devulcanization.

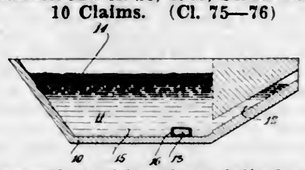
2,102,742

HIGH CONDUCTIVITY, PHOSPHORUS-DEOXIDIZED COPPER AND PROCESS FOR MAKING THE SAME

Frank F. Poland, New Brunswick, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application March 26, 1935, Serial No. 13,049

10 Claims. (Cl. 75—76)



1. The method of treating relatively pure copper which comprises introducing same in the molten state into contact with a predetermined amount of phosphor-copper of known composition under a bed of carbonaceous reducing agent thereby deoxidizing the copper and imparting thereto a predetermined phosphorus content and casting the resultant deoxidized copper into a mold of desired shape, the interior surfaces of which are coated with a mold dressing comprising an alcoholic solution of resin in which bone black is suspended.

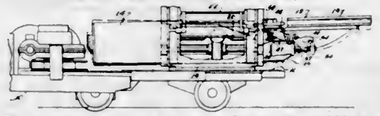
2,102,743

KERF-CUTTING MACHINE

Thomas E. Pray, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 22, 1935, Serial No. 51,003

14 Claims. (Cl. 262—28)



1. In a mining machine, a base, a cutting element including a frame having a cutter bar projecting therefrom, means for supporting said cutting element for vertical adjustable movement with respect to said base including a pair of parallel-spaced vertically extending guides mounted on said base, a cradle slidably guided therein, means for adjustably moving said cradle along

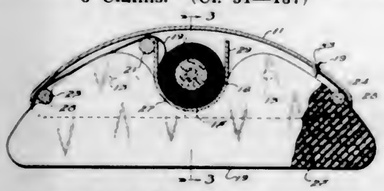
said guides, a supporting connection between said cradle and cutting element permitting pivotal movement of said cutting element with respect to said base about a horizontal transverse axis extending between the ends of said guides, and means disposed forwardly of said guides for pivotally moving said cutting element about said transverse axis.

2,102,744
TOOL
Harry Ratcliffe, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1936, Serial No. 102,448
2 Claims. (Cl. 30—212)



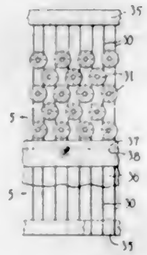
1. A tool for simultaneously cutting a plurality of parallel predeterminedly spaced fixed wires with the points of cutting being progressively offset along the length of the wires comprising a member having a plurality of wire receiving notches having cutting edges, an actuating member pivotally connected thereto, a second member having a plurality of wire receiving notches having cutting edges cooperating with the notches and cutting edges of said first member, said second member being pivotally connected to said actuating member, said notches extending diagonally and transversely of the members at a predetermined angle, the notches in each member having a spacing similar to that of the wires to be cut, one of said notched members having a dovetail extension engaging in a complementary recess in the other notched member to cause said latter member to move in a predetermined path by said actuating member, and means including a resilient element for maintaining said second notched member in a normal position with its notches aligned with the notches of said first member for receiving wires to be cut.

2,102,745
ABRASIVE PAD
Merwin F. Read, Detroit, Mich.
Application August 24, 1936, Serial No. 97,540
3 Claims. (Cl. 51—187)



1. An abrasive pad including, in combination, a housing, a rolled strip of abrasive tape, means within said housing for supporting said roll of abrasive tape, a resilient pad having a portion adapted to fit within said housing and a portion adapted to project therefrom, rolls at each end of said housing over which said tape is adapted to pass, means for urging said rolls against said housing to preclude movement of said tape thereover, said rolls serving to retain said tape in tensioned condition over the surface of said pad thereby retaining the same seated in said housing.

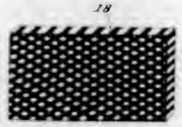
2,102,746
ORNAMENTATION
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application March 1, 1937, Serial No. 128,498
17 Claims. (Cl. 41—34)



1. The method of mounting a mesh made of substantially parallel cords having beads including plastic holding the cords in position throughout a portion of their lengths and leaving their ends free, comprising placing an adhesive member on the free ends so as to hold them in position, and attaching between the beads and the adhesive member a member to which the mesh is to be permanently attached.

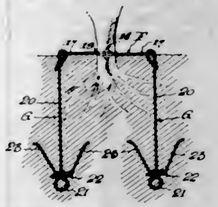
4. A bag comprising a frame, a mesh, portions of which are cut away made of substantially parallel cords crossed throughout a portion of their lengths, beads including plastic holding the cords in position at their crossing points, but leaving the cord ends free, means for fastening the free ends of the cords to the frame so as to bring into contact the cut edges, and means to fasten together the cut edges.

2,102,747
METHOD OF MAKING ORNAMENTED PLASTIC MATERIAL
William F. Roberts, Indian Orchard, Mass., assignor to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
Application April 27, 1935, Serial No. 18,639
3 Claims. (Cl. 18—61)



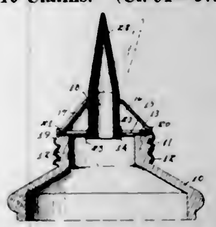
1. The method of producing ornamented sheets which comprises forming a block by combining a plurality of superimposed plastic sheets, the adjacent sheets being of different color, one of each pair of adjacent sheets being transparent, sheeting said block in a direction transverse to the original sheets to form striped sheets, forming a second block by superimposing and combining said striped sheets in such relative positions that the stripes of adjacent sheets cross, sheeting said second block to produce sheets in which areas of one color appear to be surrounded by areas of another color, and combining one of said last mentioned sheets with another sheet having ornamentation visible through the transparent areas of said superimposed striped sheets.

2,102,748
THEFT-PREVENTING DEVICE FOR PLANTS
Camille J. Rocquin, New Orleans, La.
Application June 15, 1936, Serial No. 85,357
8 Claims. (Cl. 47—25)



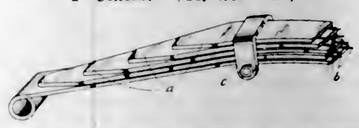
1. A theft-preventing device for plants comprising an attachable collar adapted to closely embrace the plant stem directly above the roots so as to prevent withdrawal of the rooted portion of the stem therethrough, and at least one ground-engaging anchor attached to said collar.

2,102,749
DISPENSING CAP
Richard E. Salvesen, Forest City, Iowa
Application March 8, 1937, Serial No. 129,632
10 Claims. (Cl. 91—67.5)



1. In a device of the class described, a closure cap including an end portion having an opening, a flexible and collapsible tube mounted in said opening for closing the same, one end of said tube being closed and projecting outwardly and beyond said cap, the other end projecting inwardly thereof, and means fixing the inner end of said tube against movement whereby that portion of the tube supported within said opening will be collapsed when bending strain is applied to the outer end of said tube to form an opening through which fluid within said container may be fed to the outer surface of the outer end of said tube when the container is in an inverted position.

2,102,750
LAMINATED SPRINGS
Thomas Henry Sanders, Leeds, England
Application September 8, 1936, Serial No. 99,835
In Great Britain October 22, 1935
1 Claim. (Cl. 267—49)

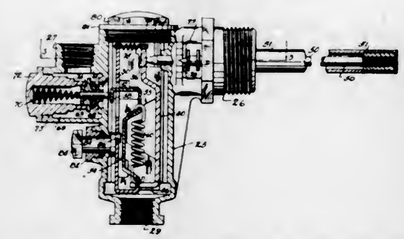


In laminated springs the provision between and along the longitudinal marginal edges of the plates thereof of wire adapted to separate adjacent plates from each other and to be retained in position by engaging holes in said plates.

2,102,751
PRODUCTION OF ACETALDEHYDE
Arno Scheuermann, Ludwigshafen-on-the-Rhine, Rudolf Brill, Heidelberg, and Gustav Wietzel, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 27, 1936, Serial No. 66,052. In Germany March 5, 1935
4 Claims. (Cl. 260—139)

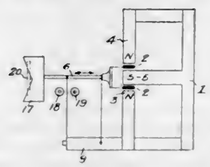
1. In the production of acetaldehyde from acetylene by catalytic hydration in the gas phase by means of a cadmium phosphate catalyst the improvement which comprises employing a cadmium phosphate catalyst in which the cadmium is partially replaced by at least one alkaline earth metal.

2,102,752
VALVE MECHANISM
Frank H. Schoenfeld, Cleveland Heights, Ohio
Application October 24, 1935, Serial No. 46,543
6 Claims. (Cl. 236—48)



1. In a thermostatic control device, a casing having an inlet opening and an outlet opening, a lever carrying frame fitted therein, a main lever adapted to be actuated by a thermostatic device, a secondary lever having a pivot seat on the main lever, a spring connected to said frame and to said secondary lever for effecting snap action, the frame having a plurality of pivot seats for selectively positioning said main lever, and a valve cooperating with one of said openings and adapted to be operated by said secondary lever.

2,102,753
RECORDING OF ELECTRICAL IMPULSES
Karl Schwarz, Berlin, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application July 23, 1936, Serial No. 92,085
In Germany October 30, 1935
5 Claims. (Cl. 179—100.3)



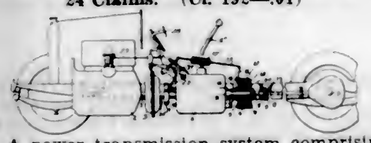
1. The combination of a light slit adapted to have its illumination modulated in accordance with the impulses to be recorded, means for producing a magnetic field, a shutter provided with a V-shaped edge traversing said slit, and a coil movably mounted in said field and connected to said shutter for causing said edge to follow the envelope of said illumination.

2,102,754
JAR
Baker L. Shannon, Houston, Tex.
Application July 13, 1936, Serial No. 90,333
4 Claims. (Cl. 255—27)



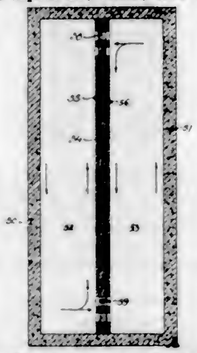
1. A jar comprising a housing, a grapple attached to the housing, a cylinder in the housing having an impact abutment, a piston in the cylinder having an impact face opposite said abutment, means on the housing and piston adapted to interlock, said cylinder and piston being simultaneously movable into one position to cause the interengagement of said interlocking means to hold the piston stationary in the housing, said cylinder being movable independent of the piston to another position to cause a vacuum to be created in said cylinder and means arranged to be controlled by pressure fluid and adapted to release said interlocking means whereby to release the piston to permit said impact face to strike against said abutment.

2,102,755
POWER TRANSMISSION MECHANISM
Harold Sinclair, Surbiton Hill, England
Application September 19, 1931, Serial No. 563,788
In Great Britain September 25, 1930
24 Claims. (Cl. 192—.01)



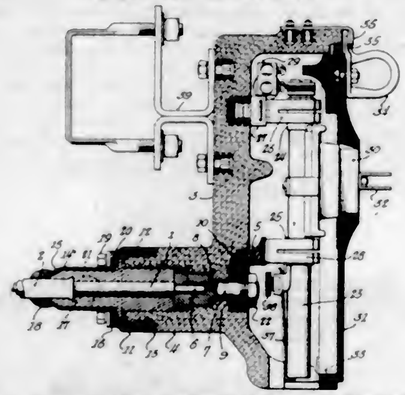
1. A power transmission system comprising a source of power, a multi-ratio gear box, a hydraulic coupling connecting between said source of power and said gear box, a driven shaft, a friction clutch connecting between the change-speed gearing of said gear box and said driven shaft, means for arresting the shaft connecting said hydraulic coupling to said gear box and rocking said connecting shaft backwards, means for regulating the output of said source of power independently of normal power-regulating means, and common controlling means initial operation of which simultaneously unclutches said friction clutch and actuates said means for independently regulating the power output so as to reduce the output of said source of power, further operation of which further reduces the output of said source of power, still further operation of which actuates said means for arresting said connecting shaft, and the final operation of which actuates said means for rocking said connecting shaft backwards.

2,102,756
BUILDING BLOCK
George A. Smith, Chevy Chase, Md., and Milton S. Van Dusen, Washington, D. C.
Application July 3, 1936, Serial No. 88,772
2 Claims. (Cl. 72—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



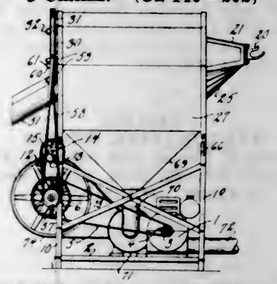
1. A wall structure comprising an outer and inner shell and an insulating partition therebetween adapted to divide the air space enclosed by said shell, said partition having apertures formed therein and adapted to permit the passage of a portion of the air in one subdivision into another, thereby causing the warm moisture laden air to pass from the warmer to the cooler chamber and inhibiting condensation on said insulating partition.

2,102,757
COMBINED HOUSED ELECTRICAL DEVICE AND CABLE SEALING MEANS
James P. Smith, West Orange, N. J., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application October 31, 1935, Serial No. 47,550
4 Claims. (Cl. 247—6)



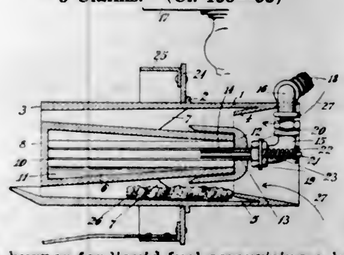
1. In an electrical device, a housing formed of insulating material and having an internally located terminal member, said housing having an external bushing provided with a cavity opening through the outer face of said bushing and extending inwardly towards said housing and terminated by an inner wall, said housing having an opening through the said inner wall at the inner end of the cavity in said bushing, a headed member located within the cavity of said bushing, conducting means extending from said headed member through said opening and including detachable screw means accessible interiorly of said housing for holding both said terminal member and headed member in place, a metal sheathed cable having a conductor secured to said headed member, and a wiping bell secured to the sheath of said cable and detachably secured to said bushing.

2,102,758
CLEANER FOR VEGETABLES
Walker H. Spayd, Van Wert, Ohio
Application November 18, 1936, Serial No. 111,340
3 Claims. (Cl. 146—202)



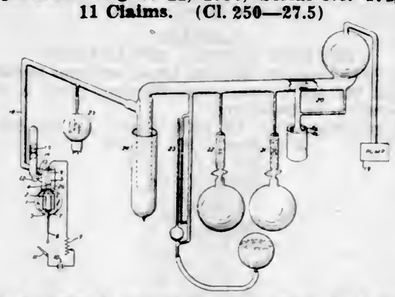
1. A material cleaner comprising a base, a housing mounted on the base in spaced relation above the same, parallel shafts mounted in the housing longitudinally thereof and adjacent the top thereof, sets of aligned sprockets on and adjacent both ends of the shafts and within the housing, means for driving one of said shafts, an endless belt surrounding and driven by said sprockets, the lower run of the endless belt having a substantial sag between the sprockets and forming a longitudinal runway for material being cleaned, brushing members fixed to the inner surface of the belt for brushing the material as it passes through the runway, another shaft journaled in the housing between the runs of the endless belt and carrying flexible wiping members, the last mentioned shaft extending parallel to the first mentioned shafts and situated nearer the bottom run of the endless belt, the wiping members extending into contact with the material being cleaned and means to drive said shaft.

2,102,759
BURNER FOR LIQUID FUEL
Josef Spirig, Hard, near Bregenz, Vorarlberg, Austria, assignor to Anton Hofstetter, Widnau, Switzerland
Application January 20, 1936, Serial No. 59,942
In Austria January 22, 1935
3 Claims. (Cl. 158—53)



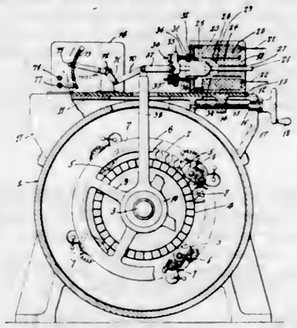
1. A burner for liquid fuel comprising a burner tube, a vaporizer disposed within said burner tube and spaced therefrom, said vaporizer having its rear end closed and having a resiliently urged cap bearing against its front end and means for leading liquid fuel to said vaporizer.

2,102,760
PHOTOELECTRIC TUBE
George R. Stilwell, Plainfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 11, 1930, Serial No. 474,330
11 Claims. (Cl. 250—27.5)



1. A method of preparing a cathode for a light sensitive device which comprises providing a metallic cathode member in an evacuated container, introducing into the container an element having characteristics different from the member, chemically combining a surface layer of said member with said element by ionic bombardment of the surface of the member, further ionically bombarding said member to decompose the resulting combination, and providing a light sensitive electron emissive surface on the member.

2,102,761
WELDING GENERATOR
Karl Strobel, Whittier, Calif., assignor to Karl Strobel Corporation, Los Angeles, Calif., a corporation of California
Application October 12, 1931, Serial No. 568,314
2 Claims. (Cl. 219—8)



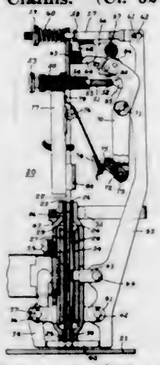
1. In an arc welding system, a pair of welding electrodes between which an arc may be struck, said electrodes being subject to rapid relative movement toward and away from each other whereby the length of the arc therebetween is subject to rapid and frequent variations, a generator having an output circuit connected to supply current to said electrodes, said generator having a commutator and brushes contacting said commutator, means mounting said brushes for movement relative to the commutating plane of

said generator, an electromagnetic structure comprising a core, a coil on said core, means connecting said coil for constant potential excitation, an armature movably mounted relative to said core, a coil on said armature, means connecting said coil in shunt across the output circuit of said generator, and means connecting said armature to said brush mounting means whereby variations in the resistance of said output circuit will cause a shifting of said brush mounting structure to maintain the current across said arc at a constant value.

2,102,762
REFRIGERATING APPARATUS

Otto M. Summers, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application July 10, 1934, Serial No. 734,524
4 Claims. (Cl. 62—4)

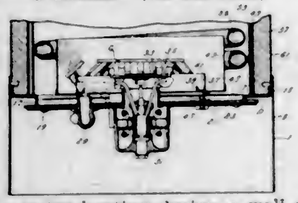


1. Refrigerating apparatus comprising a closed refrigerating system having means for circulating condensing and evaporating refrigerant, means for automatically controlling the circulation of refrigerant including means for controlling the starting and stopping of the circulation of refrigerant according to predetermined temperature limits and separate means for separately adjusting the starting of the circulation, and separate means for adjusting the stopping of the circulation, said starting and stopping adjusting means being entirely independent of each other and being independently adjustable, each of said separate means acting effectively solely during a period when the other separate means is not acting effectively.

2,102,763
LIQUID FUEL BURNING APPARATUS

Noel H. Sutterfield, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application October 26, 1935, Serial No. 46,947
5 Claims. (Cl. 122—250)



1. In a water heating device, a wall structure defining a substantially upright combustion chamber, a water-heating coil disposed in said chamber and located adjacent the walls thereof, a substantially centrally disposed liquid fuel burning apparatus mounted in the lower end of said chamber and comprising a central means for projecting a blast of air and a horizontal sheet of unatomized oil outwardly, an upright metallic impact member spaced inwardly from the walls of said chamber against which said oil is adapted to impinge and over which said air is adapted to flow, said oil atomizing against said impact member and combusting with said air above and outwardly of said impact member, to thereby maintain the latter at a temperature sufficiently high to volatilize oil impinging thereagainst, and a generally annular upright baffle disposed in said chamber between the lower end of said coil and said impact member for precluding direct contact of the combustion gases with the lower end of said coil.

2,102,764
ILLUMINATING DEVICE

Vernon F. Taylor, San Antonio, Tex.

Application July 29, 1936, Serial No. 93,281
1 Claim. (Cl. 240—7.1)

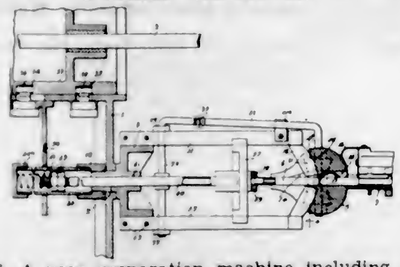


In vehicle road illuminating devices of the character described, in combination with a vehicle, a pair of headlights, each provided with a transparent closure having a colored portion along the right-hand periphery thereof, as seen by an observer, amounting to from about 1 per cent to 10 per cent of the area of closure, said portions being of different color for each one of said pair of head-lights whereby main beams of light are sent forth by said head-lights having colored signal streaks along the sides of said beams toward an observer in an approaching vehicle, thus giving visual indication as to the position of the body of the first-mentioned vehicle without blinding the observer with the main light from the head-lights thereof.

2,102,765
FRUIT DIVIDING MECHANISM FOR FRUIT PREPARATION MACHINES

Albert R. Thompson, Los Gatos, Calif., and William de Back, Niagara Falls, N. Y.

Application September 26, 1936, Serial No. 102,760
5 Claims. (Cl. 146—33)

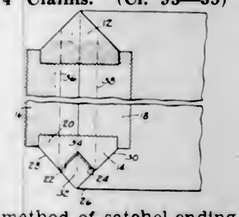


1. A pear preparation machine including an impaling member in the form of a stem for impaling and supporting the pear along the axis of the pear, said impaling member having a projection adapted to cut into the flesh of the pear to maintain the same from rotation relative to the impaling member, halving blades, and means for effecting relative movement of the halving blades and the impaling member, with the projection in such relation that the halving blades sever the pear into halves in a plane substantially aligning with the cut formed by the said projection.

2,102,766
METHOD OF FORMING VALVE BAGS

John N. Tooker, Canajoharie, N. Y., assignor to Bartlett Arkell, New York, N. Y.

Application August 29, 1934, Serial No. 741,892
4 Claims. (Cl. 93—35)

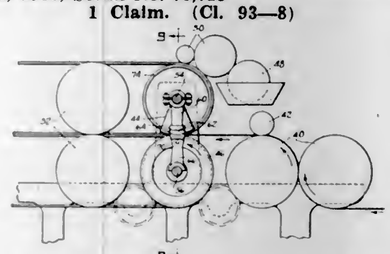


1. In the method of satchel ending a bag tube which includes opening and flattening the end of the tube so as to provide inwardly directed corner flaps and longitudinally extending side flaps, and folding over the side flaps in overlapping relation and pasting them together so as to provide a satchel end with one of said corner flaps constituting the under flap of a valve, the improvement which consists in the additional step of creasing the under flap of the valve when the end of the bag tube is in said opened and flattened condition so as to provide a hinged portion adjacent the end of the upper wall of the valve when the satchel end has been completed, the hinged portion tending to cause the under flap of the valve to lie tightly against the underside of the upper wall of the valve when the bag is filled and the valve is permitted to close.

2,102,767
MACHINE FOR FORMING VALVE BAGS

John N. Tooker, Canajoharie, N. Y., assignor to Bartlett Arkell, New York, N. Y.

Original application August 29, 1934, Serial No. 741,892. Divided and this application April 22, 1936, Serial No. 75,713
1 Claim. (Cl. 93—8)

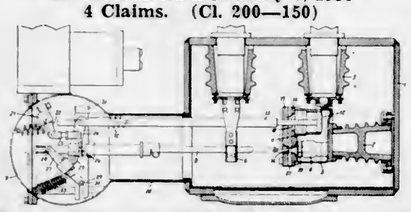


In a bag machine, the combination of a rotatable pasting segment and a drum adapted to cooperate therewith to engage opposite surfaces of the spread and flattened end of a bag tube, means operated in timed relation with the rotation of said segment for forming a V-shaped crease in one infolded flap of the bag tube during the period of engagement of the tube by said segment and drum, and a shaft to which said pasting segment is secured for rotation thereby, said crease-forming means comprising a pair of members, one rigidly secured to said shaft in substantial radial alinement with a portion of said segment and the other of said members secured to said drum for rotation thereby, one of said members having a V-shaped groove therein and the other of said members having a correspondingly shaped projection thereon whereby the V-shaped crease is formed in the flap of the bag tube when said projection and groove are alined and in engagement with opposite surfaces thereof.

2,102,768
LIQUID BREAK CIRCUIT BREAKER

Henry Trencham, Ruislip, and Harold Ernest Cox, Dollis Hill, London, England, assignors to General Electric Company, a corporation of New York

Application January 7, 1936, Serial No. 57,968
In Great Britain January 7, 1935
4 Claims. (Cl. 200—150)

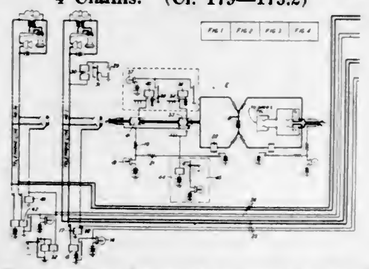


1. An electric circuit breaker of the impulse type comprising means forming a chamber containing an arc-extinguishing liquid, relatively movable contacts separable within said liquid, one of said contacts movable through a wall of said chamber, means forming a passage transverse to the path of said movable contact, a piston, one side of which is in communication with said chamber and the opposite side with said passage and actuating means for biasing said piston in a direction to cause a blast of arc-extinguishing liquid through said transverse passage and across the arc formed therein, the arc pressure generated in said chamber also acting on said one side of said piston so as to aid said transverse blast.

2,102,769
SERVICE OBSERVING SYSTEM

Horace W. Ulrich, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

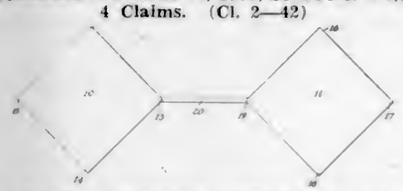
Application July 29, 1936, Serial No. 93,188
4 Claims. (Cl. 179—175.2)



1. In a service observing system, a subscriber's line having a message register, adapted to reduce its effective resistance when operated, associated with the line, an operator's cord circuit adapted to be connected thereto having means therein for operating the message register, a service observing circuit connected to said line, a signal lamp associated with said observing circuit, means comprising a voltmeter relay in a Wheatstone bridge arrangement established when the cord is connected to the line, said voltmeter relay

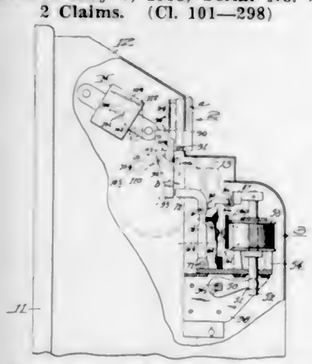
being adapted to operate to light said lamp when the subscriber's receiver is off the hook, one arm of said Wheatstone bridge arrangement including said message register, and means effective when said message register is operated to compensate said bridge for the change in resistance of its message register arm to maintain said voltmeter relay operated.

2,102,770
HALTER
Lucie von Ledermann, Beverly Hills, Calif., assignor of one-half to Claramae Blum Burns, New York, N. Y.
Application December 17, 1936, Serial No. 116,313
4 Claims. (Cl. 2—42)



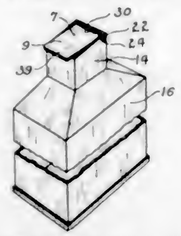
1. A halter for women comprising a pair of triangular pieces of material and a strap joining said pieces and having one of its ends attached to one corner of one of said pieces and its other end attached to one corner of the said other piece, said strap being adapted to be positioned around the neck or back of the wearer, the second corners of each of said pieces being adapted to be passed beneath the arms and secured together by tying in a knot at the back of the wearer, and the third corners of each of said pieces being adapted to be secured together by tying in a knot at the front of the wearer.

2,102,771
WORKMAN'S TIME RECORDER
Edward G. Watkins, Gardner, Mass., assignor to Simplex Time Recorder Company, Gardner, Mass., a corporation of Massachusetts
Application May 7, 1935, Serial No. 20,140
2 Claims. (Cl. 101—298)



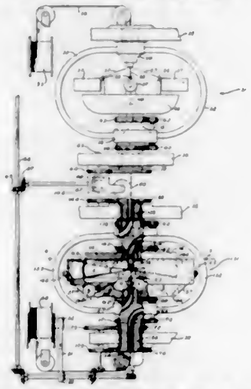
1. In a time recorder wherein is provided a card chute, an impression hammer, a solenoid coil, a solenoid plunger connected to actuate said hammer, a circuit for said coil, and means to close said circuit manually, that improvement which comprises providing a removable casing for said time recorder, positioning said circuit-closing means above and to the rear of said card chute but adjacent thereto and supporting said circuit-closing means on said removable casing in such manner that said closing means is removable with said casing from operative position in said time recorder.

2,102,772
DISPENSING AND MEASURING CLOSURE
James G. Watts, Vancouver, British Columbia, Canada
Application July 16, 1936, Serial No. 90,970
2 Claims. (Cl. 221—98)



1. In a dispensing closure, the combination with a container having a neck provided with a pair of alined openings forming bearings, of a receptacle comprising a pair of angularly disposed inner and outer plates and side walls therefor, and said walls each having an outwardly extending lug adapted for co-action with said alined openings.

2,102,773
METHOD OF AND APPARATUS FOR HANDLING STRANDS
Leo L. Weaver, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1933, Serial No. 704,099
8 Claims. (Cl. 96—3)

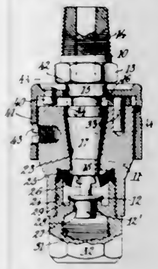


1. The method of braiding on a core which comprises the steps of serving a cover strand on a longitudinally advancing core at one point, stripping the cover strand from the core at another point, and reapplying the stripped cover strand to the core at a third point together with a second cover strand.

2,102,774
COUPLING
Selden T. Williams, Bellerose, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 3, 1936, Serial No. 57,350
2 Claims. (Cl. 285—173)

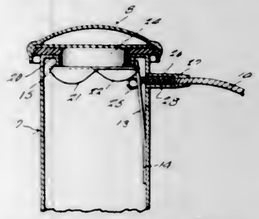
2. A hose coupling comprising a socket member and a plug member for engaging in said socket member, the plug member having an annular

groove therein, the socket member having a pivotally mounted pawl at one end thereof for engaging in said groove, spring means for urging the pawl radially inwardly, a sleeve carried by and capable of limited rotative movement relatively to the socket member enclosing the pawl



and the spring, and an axially-projecting pin carried by the sleeve normally acting directly upon the pawl to limit the radial inward movement thereof and adapted for moving said pawl outwardly against the tension of the spring means upon limited rotation of the sleeve relatively to the socket member.

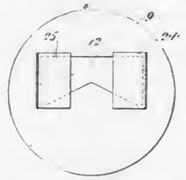
2,102,775
AUTOMOBILE GAS TANK CAP LOCK
Hannah C. Woodhead, Darby, Pa.
Application January 19, 1937, Serial No. 121,341
2 Claims. (Cl. 220—55)



1. An arrangement of the character described comprising a filling neck having a flange including opposed notches, a cap imposable on the upper end of said filling neck and provided with opposed wings adapted to pass downwardly through the notches and engage under the flange, and spring-pressed detent means located in one of said notches and mounted on the filling neck for blocking said notch to prevent withdrawal of one of the wings through said notch, cam means on the wings for moving the detent means partly out of the notch when the cap is being put on the neck and means for withdrawing said detent from normal operative locking position.

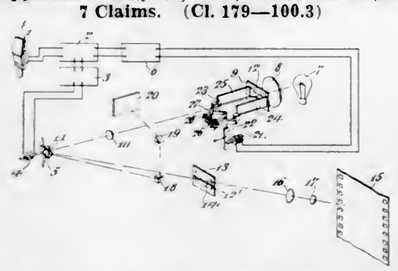
2,102,776
SOUND RECORDING APPARATUS
Judd O. Baker, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1936, Serial No. 82,375
6 Claims. (Cl. 179—100.3)

1. Apparatus of the class described comprising means for forming a spot of light increasing in width from the middle to both ends, means for selecting a narrow line of light from said spot, means for vibrating said spot across said selecting means in accordance with sound waves to be recorded, and means for masking the ends of



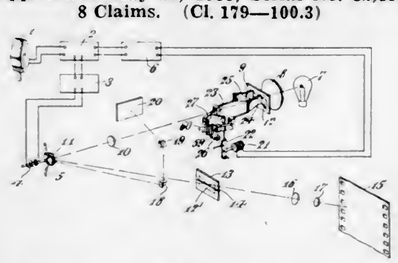
said spot in accordance with the volume of the sound to be recorded.

2,102,777
PHOTOPHONOGRAPHIC APPARATUS
Judd O. Baker, Westmont, and Cecil N. Batsel, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 29, 1936, Serial No. 82,596
7 Claims. (Cl. 179—100.3)



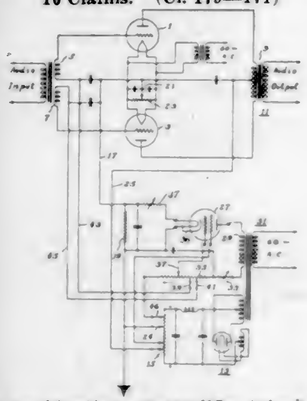
1. Apparatus of the class described comprising means for forming a spot of light tapering from the middle to both ends, means for selecting a narrow line of light from said spot, means for vibrating said spot across said selecting means in accordance with sound waves to be recorded, and a pair of pivoted shutters for masking the ends of said spot in accordance with the volume of the sound to be recorded.

2,102,778
PHOTOPHONOGRAPHIC APPARATUS
Harold J. Hasbrouck, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1936, Serial No. 82,418
8 Claims. (Cl. 179—100.3)



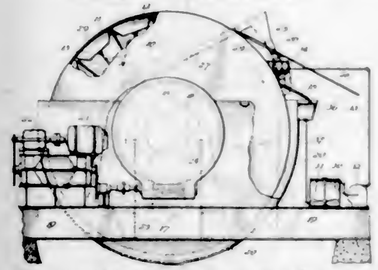
8. Sound recording apparatus including an aperture plate having a recording aperture and a monitoring aperture and masking means for covering the recording aperture inversely in accordance with the volume of the sound to be recorded and simultaneously and similarly covering the monitoring aperture.

2,102,779
THERMIONIC AMPLIFIER
George L. Beers, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1934, Serial No. 713,261
10 Claims. (Cl. 179—171)



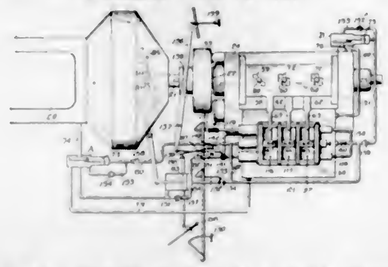
1. In combination, an amplifier tube having an input circuit and an output circuit, a self-bias resistor common to both of said circuits, a thermionic rectifier having a cathode, means for utilizing the normal potential drop across the self bias resistor for energizing the cathode of the rectifier, a resistor in the output circuit of the rectifier and means for including at least a portion of said resistor in the input circuit of the amplifier tube.

2,102,780
FILTRATION
Paul W. Bielfeldt, Grand Rapids, Mich., assignor to Swenson Evaporator Company, Harvey, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,197
2 Claims. (Cl. 210—201)



1. The method of continuously filtering liquids which consists in maintaining a permanent layer of precoat upon the periphery of a filtering drum, rotating said drum so that its filtering surface moves through the liquid to be filtered, applying on the permanent precoat layer, before it passes into the liquid, a slurry of precoat material, withdrawing liquid from said slurry through the permanent layer of precoat by vacuum into the drum, machining the freshly coated precoat layer by means of a sharp cutting knife whereby a precise amount of additional precoat is assured, and removing filter cake and the added precoat layer by means of a sharp cutting knife which leaves the permanent precoat layer in trued condition for the application of slurry thereto, and substantially uncontaminated by solids from the liquid to be filtered.

2,102,781
SELECTIVE GEARING MECHANISM AND AUTOMATIC FLUID CONTROL THEREFOR
Edward D. Bieretz, Baltimore, Md.
Application May 16, 1935, Serial No. 21,893
7 Claims. (Cl. 74—364)



1. The combination with an internal combustion engine having a transmission attached thereto provided with a driven shaft having a plurality of gear coupling elements mounted thereon, of a key associated with each coupling element for moving the same into and out of engaging position, a shifting and angularly slotted locking plate connected to each of said coupling key members, pistons connected to said shifting plates, a fluid controlling system maintained under pressure from the engine for actuating said pistons to shift the plates and keys, and manually controlled means for regulating said fluid pressure system, substantially as set forth.

2,102,782
HACKSAW
George J. Blum, Chicago, Ill., assignor to Armstrong-Blum Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 2, 1934, Serial No. 709,417
6 Claims. (Cl. 145—35)



2. A blade holder for hack saws, comprising a stem having a fixed clamping jaw rigid therewith with a flat clamping face disposed substantially on the longitudinal center line of the stem, a movable clamping jaw in opposed relation to the fixed jaw, a blade-anchoring element carried by said movable jaw, and a supporting member for the movable jaw pivoted on the stem on the opposite side of said center line from the movable jaw.

2,102,783
CONSTANT TEMPERATURE APPARATUS
Samuel A. Bokovoy, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1936, Serial No. 61,834
4 Claims. (Cl. 219—19)

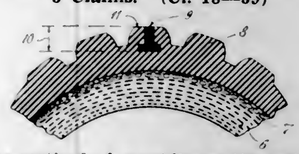
1. A constant temperature cabinet unit comprising an inner chamber, a thermo-regulator mounted contiguous the outer surface of said chamber, means comprising a thin metal sheet for removably maintaining said thermo-regulator in said position, a heater mounted about said outer surface of said chamber and about the outer surface of said metal sheet, an outer casing

spaced from said heater, and means comprising a metal strip connecting said casing and thermo-regulator in heat transfer relation for controlling



said thermo-regulator in accordance with temperature variations in the ambient surrounding said casing.

2,102,784
METHOD OF MAKING A WEAR INDICATING TIRE
Kenneth L. Bridges, New York, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 6, 1936, Serial No. 62,717
3 Claims. (Cl. 18—59)



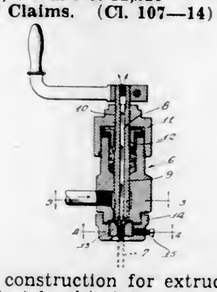
1. The method of providing a tire with an accurately located degree-of-wear indicator which comprises the following steps: forming a tire of finished shape and dimensions having in the tread surface one or more holes of accurately predetermined dimensions and location with respect to finished tread surface, filling said holes with a material similar in physical properties but contrasting in color to the tread stock, and firmly bonding said material to the surrounding tread stock.

2,102,785
METHOD OF AND APPARATUS FOR SEDIMENTATION TESTING OF BLOOD
Clyde Brooks, New Orleans, La.
Application October 18, 1935, Serial No. 45,637
4 Claims. (Cl. 23—230)



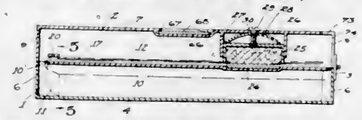
1. A blood sedimentation pipette comprising a transparent tube and a stop cock intercepting said tube intermediate the ends thereof, said tube containing a capillary bore of substantially uniform cross-section extending from said stop cock to one end of the tube, said tube being graduated from said stop cock to said end, said graduations reading from the end toward the stop-cock, said tube containing a bore extending from the stop cock oppositely to the first bore, a mouthpiece communicating with the second bore for drawing blood by suction into the capillary bore in one position of the stop cock, said stop cock being movable to cut off the suction of the capillary bore when the latter is filled with blood.

2,102,786
VENTED NOZZLE
Frank D. Campbell, Cedar Rapids, Iowa, assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
Original application November 14, 1931, Serial No. 575,086, now Patent No. 2,036,681, dated April 7, 1936. Divided and this application September 19, 1935, Serial No. 41,213
3 Claims. (Cl. 107—14)



1. A nozzle construction for extruding a tube of plastic material subject to internal pressure, comprising a casing having an inlet and an outlet for the passage of the plastic material, a core in said casing and extending into said outlet to provide an annular orifice, and a packing gland through which said core passes, said core having a vent passage affording communication between the interior of the tube and the atmosphere and passing through said packing gland.

2,102,787
SALESBOOK HOLDER
George F. Christenson, Boylston, Mass., assignor to Joseph A. Dunn, Worcester, Mass.
Application October 2, 1935, Serial No. 43,225
15 Claims. (Cl. 101—287)

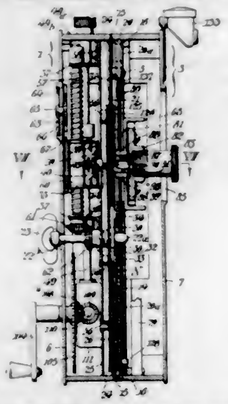


1. The combination with a salesbook holder having a writing plate on which the individual sales slips are successively positioned, and means for locating a printing plate in predetermined relation to said writing plate, of means forming a part of the holder for printing on the sales slips the indicia carried by the plate, said last means including a roller located and operative on the side of the sales slip opposite to the printing plate.

2,102,788
DISK FILM MOTION PICTURE
James J. Dilks, Jr., Philadelphia, Pa.
Application February 21, 1935, Serial No. 7,560
26 Claims. (Cl. 88—18.8)

1. A disk film motion picture camera comprising two hollow hinge-connected front and back

casing components jointly affording between them a space to receive a negative film disk; a rotative axis with a mounting for the film on the back component; a drive disk secured to said axis within the hollow of the back component, said disk having holes spaced by an interval corresponding to the width of the lens aperture along a spiral of which the pitch equals the height of said lens aperture; a pawling element in line with the lens aperture adapted to successively engage the holes of the disk in the back casing compo-



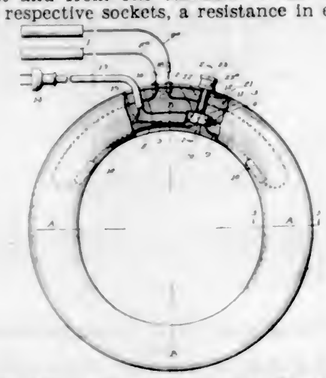
nent; means in the front casing component for moving the lens aperture radially of the negative film disk; and mechanism within the hollows of the two casing components with parts coordinated through the hinge connection between said components for actuating the pawling element and the lens aperture moving means to intermittently rotate the drive disk and shift the lens aperture compensatively, and for opening the lens shutter during the stationary periods of the disk.

2,102,789
MANUFACTURE OF TEXTILE YARNS AND FABRICS
Camille Dreyfus, New York, N. Y., and William Whitehead, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 24, 1933, Serial No. 695,048
4 Claims. (Cl. 18—54)

1. The method of forming textiles comprising filaments of cellulose acetate which comprises adding to the spinning solution, from which the filaments are formed, a dye-base containing a diazotizable amino group and a developer, forming the filaments and then diazotizing.

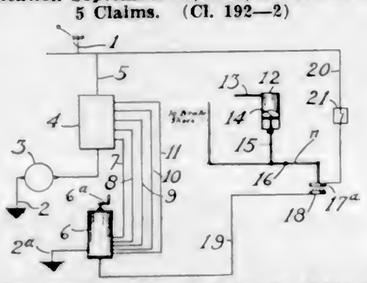
2,102,790
THERAPEUTIC APPARATUS
Howard B. Drollinger, South Pasadena, Calif. Application August 20, 1934, Serial No. 740,693
10 Claims. (Cl. 128—1.5)

1. In combination, an electric coil adapted to be applied to the body of a patient, a contact plug adapted for quick-detachable connection to an outlet box for sinusoidal alternating electric current, conductors leading from the contact plug to the coil, a variable resistance mounted in the coil and comprising a resistor and a cooperating adjustable contact, an operating shaft for the adjustable contact projecting to the exterior of the coil, the resistor being shunted across the conductors, sockets at the exterior of the coil, conductors leading from the adjustable contact and from one terminal of the resistor to the respective sockets, a resistance in each of



the last mentioned conductors, said resistances being mounted in the coil, pins adapted for quick-detachable engagement with the sockets, conductors leading from the respective pins, and an electrode connected to each of said last mentioned conductors.

2,102,791
METHOD AND MEANS FOR PREVENTING FLAT WHEELS
George A. Ferguson, New York, N. Y. Application September 12, 1935, Serial No. 40,280
5 Claims. (Cl. 192—2)



1. In a multicar electric train, in which there are at least two power-driven cars, a single multiple control circuit adapted to complete and break power circuits of the power cars at the will of a single operator, switches in said control circuit for each car and associated with the brakes thereof, whereby application of the brakes of any car in the train prevents completion of the control circuit.

2,102,792
METHOD OF AND APPARATUS FOR HANDLING HOT METAL BARS
Jerome R. George, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application May 18, 1928, Serial No. 278,732
24 Claims. (Cl. 80—42)

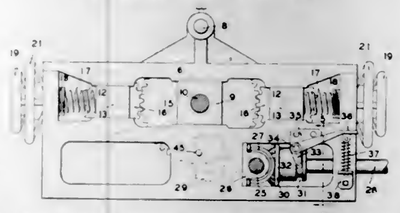
1. In the art of handling hot metal bars, as delivered flatwise longitudinally from a rolling mill, the improvement which consists in continuing the forward longitudinal delivery movement of said bars to project them longitudinally onto an inclined supporting surface, and procuring by

the movement of each bar toward said surface the progressive warping of same into a plane substantially at right angles to said surface.



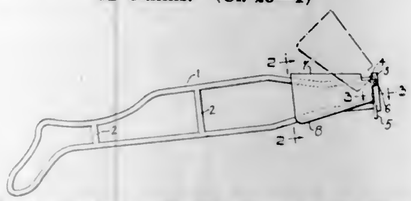
13. In apparatus of the class described, a table for the support, on edge, of bars in pack formation, means for delivering bars longitudinally to said table, and means overlying said table to guide and control the movements of said bars in the process of forming said pack.

2,102,793
WEB SPLICING DEVICE
Walter C. George, St. Louis, Mo., assignor, by mesne assignments, to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Original application May 22, 1935, Serial No. 22,789. Divided and this application October 16, 1936, Serial No. 105,942
5 Claims. (Cl. 271—2.1)



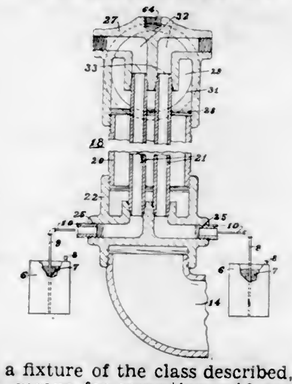
1. A splicing device comprising a plurality of rolls, sliding bearings in which said rolls are mounted, springs controlling the pressure between said rolls, said rolls being connected by gearing, a brake for retarding said rolls, means for varying the tension of said springs, driving mechanism for said rolls, and a clutch device for throwing said driving mechanism into and out of operation.

2,102,794
METHOD AND DEVICE OF TREATING ARTICLES CONTAINING ORGANIC DERIVATIVES OF CELLULOSE
Bradford C. Gibbs, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 16, 1935, Serial No. 11,519
11 Claims. (Cl. 28—1)



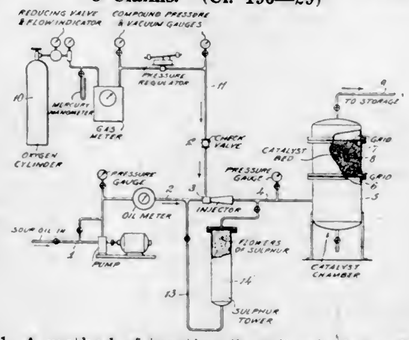
1. A method of treating hose or similar articles in a heated liquid which comprises at least partially enclosing the open end of the article in a shield which is held out of contact with the article and submerging the article and shield in a bath.

2,102,795
OIL DRAIN AND SUPPLY SYSTEM
Russell J. Gray, Minneapolis, Minn. Application March 9, 1931, Serial No. 521,288
18 Claims. (Cl. 184—1.5)



1. In a fixture of the class described, a tubular support, means for mounting said support on a floor surface, a swivelly mounted arm extending laterally from said support, an oil receiving cup on the outer end of said arm, means for conducting oil from said cup through said support and from said support to a place of deposit, a gear lubricant hose carried on said tubular support and means extending through and concealed by said tubular support to supply gear lubricant to said gear lubricant hose.

2,102,796
OIL REFINING PROCESS
John Happel, Brooklyn, and Donald W. Robertson, Queens Village, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1936, Serial No. 74,402
8 Claims. (Cl. 196—29)

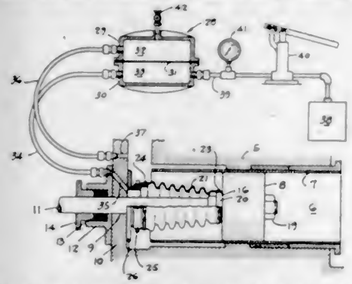


1. A method of treating "sour" petroleum distillates without the use of aqueous alkaline solutions comprising the following steps: admixing oil with a gas containing free oxygen and with elemental sulphur and passing it through a filter bed consisting of a metallic sulphide insoluble in water supported by a porous, inert carrier.

2,102,797
PISTON ROD PROTECTOR
Theodore Kenneth Helmer, Fellows, Calif. Application April 17, 1936, Serial No. 74,938
10 Claims. (Cl. 103—202)

1. In a pump having a cylinder in which a piston is reciprocated by means of a piston rod,

a flexible enclosure around the piston rod between the piston and end wall of the cylinder, means to seal the zone within the enclosure with respect



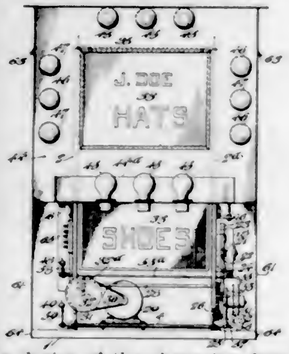
to the area around the enclosure, and means to regulate pressure within the enclosure by pressure around the enclosure.

2,102,798

ADVERTISING DEVICE

Charles Jerabek, deceased, late of Philadelphia, Pa., by Theresa Jerabek, administratrix, Philadelphia, Pa.

Application June 1, 1936, Serial No. 82,822
3 Claims. (Cl. 40—36)



1. In a device of the character described, the combination comprising an upper magazine, a lower magazine, a plurality of card carrying frames in each of said magazines, a pair of endless guideways around which said frames travel, a pair of elevators for elevating said frames from the lower magazine to the upper magazine and for lowering said frames from the upper to the lower magazine, and means operated by said elevators for releasing said card frames in the upper magazine to permit them to be deposited on said elevators.

2,102,799

PROCESS FOR DEHYDRATING CELLULOSE NITRATE

David G. Kennedy and Joseph Keen Rulon, Parlin, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 8, 1934, Serial No. 752,113
2 Claims. (Cl. 260—148)

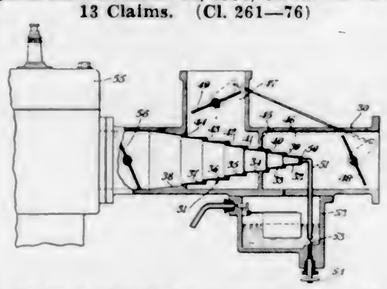
1. In the process for preparing cellulose nitrate in which the nitrated cellulose material is drowned in water and the surplus water removed, the improvement of replacing the remaining water by ethyl alcohol which comprises washing under pressure the wet cellulose material in the form of a press cake first with ethyl alcohol containing a comparatively large amount of water and then with approximately 95% ethyl alcohol until the water in the nitrated cellulose material has been replaced with about 90% alcohol, collecting the diluted alcohol from the second treatment and washing under pressure the original water wet nitrated cellulose with this alcohol in the first stage of a subsequent run.

2,102,800

METHOD OF AND APPARATUS FOR GASIFYING A LIQUID FUEL

Chester A. Killmeyer, New York, N. Y., and George L. Reichhelm, Short Beach, Conn., assignors to Frank A. Kane, Long Island City, N. Y.

Application December 12, 1934, Serial No. 757,092
13 Claims. (Cl. 261—76)



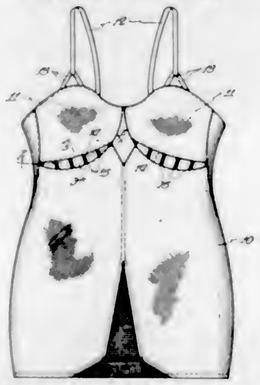
1. In an apparatus for converting a liquid fuel into a gaseous fluid, a flow conduit for conducting therein an atomized fuel stream, the conduit progressively expanding in cross-sectional area in a plurality of stages from its inlet to its outlet terminal, an inlet port at each of said stages, certain of said ports containing serrated terminals, and two independent ducts each communicating with a plurality of said ports, one of said ducts being for an atomizing medium and the other for combustion air.

2,102,801

GARMENT

Sigmund W. Kunstadter, Chicago, Ill., assignor to The Formfit Company, Chicago, Ill., a corporation of Illinois

Application July 23, 1936, Serial No. 92,079
1 Claim. (Cl. 2—30)



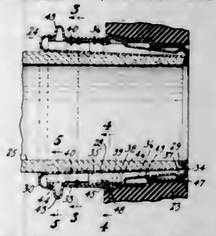
A foundation garment for women comprising a body member adapted and arranged to encompass the body of the wearer, the upper portion of said body being formed at the front with a brassière providing two pocket members, there being a separate substantially crescent-shaped ventilation opening in said body immediately below and co-extensive in length with the bottom edge of each pocket member whereby to admit of relative outward upward and transverse movement of the said pocket members relatively of the subjacent body portion of the garment when in use, and laterally spaced elastic straps only bridging the edges of the crescent shaped openings.

2,102,802

COUPLING

Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application January 30, 1936, Serial No. 61,473
9 Claims. (Cl. 285—174)



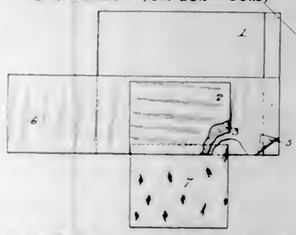
1. A detachable coupling device including spaced substantially cylindrical walls of sheet metal defining an annular space and latch mechanism mounted in said space and projecting through the outer of said walls, the interior of the inner of said walls being uninterrupted and adapted to be secured to the outside of a hose, whereby said space is out of communication with the interior of the hose.

2,102,803

HAIR WAVING PAD

Everett G. McDonough, Mount Vernon, N. Y., assignor to Zotos Corporation, New York, N. Y., a corporation of New York

Application January 7, 1933, Serial No. 650,655
5 Claims. (Cl. 132—36.2)



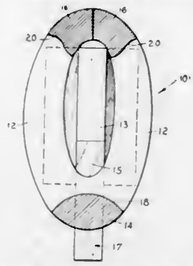
1. In a pad for permanent waving of hair, comprising an encasing sheet folded on itself to form a double portion, a relatively narrow sheet of metal foil disposed on said encasing sheet and having one of its longitudinal edges coincident with one of the edges of said folded sheet, said sheet of metal foil extending at one end beyond the folded edge of the wrapper, a relatively small sheet of absorbent material adapted to hold a solution secured to said folded sheet and extending outwardly therefrom, and a heat producing chemical pack disposed on said metal foil strip with one of its edges coincident with the coincident edges of said first mentioned sheets.

2,102,804

METHOD OF APPLYING PROTECTIVE COATINGS TO SHOES AND OTHER OBJECTS

Charles Miller, Long Island City, N. Y.; Ida Gordon Miller executrix of said Charles Miller, deceased

Application January 21, 1935, Serial No. 2,633
5 Claims. (Cl. 12—142)



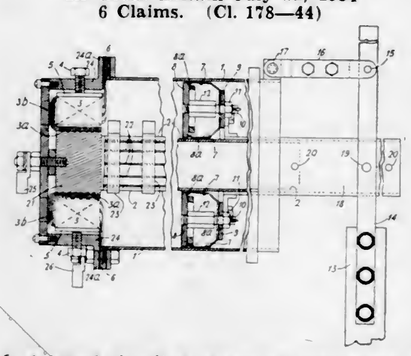
1. The method of making shoes which comprises providing a shoe upper, applying a latex coating thereto, then removing the coating from one or more portions of the upper to permit direct access thereto in making the shoe, subjecting said last mentioned portion or portions, in the making of the shoe, to the action of a tool in direct contact therewith, and subsequently removing the remainder of said coating.

2,102,805

ELECTRICAL TUNED CIRCUIT

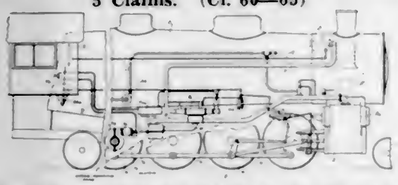
Daniel Edward O'Donovan, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application September 7, 1935, Serial No. 39,583
In Great Britain July 21, 1934
6 Claims. (Cl. 178—44)



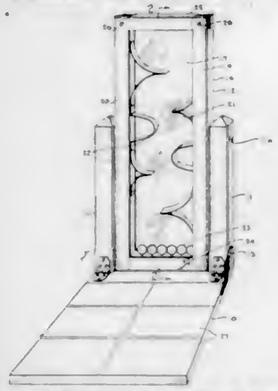
1. A tuned circuit arrangement comprising an outer tubular conductor and a second conductor positioned within said outer conductor, a plurality of fixed condensers in parallel relation connected between said inner and outer conductors, the effective lengths of said outer and inner conductors determining the inductance of said tuned circuit, and said plurality of condensers together with a capacitance existing between said outer and inner conductors over their effective lengths determining the capacity of said tuned circuit, and a bridge member slidably mounted with reference to said conductors and conductively contacting both of said conductors, whereby the natural frequency of said tuned circuit can be changed with movement of said bridge member over said conductors.

2,102,806
LOCOMOTIVE
Rudolf M. Ostermann, Kenilworth, Ill., and Arthur Williams, Munster, Ind., assignors to The Superheater Company, New York, N. Y.
Application October 30, 1936, Serial No. 108,452
5 Claims. (Cl. 60—65)



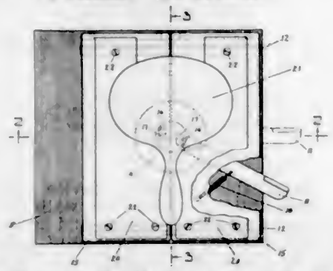
1. In a locomotive having a boiler, driving wheels and reversing gear, the combination of a turbine and a reciprocating engine both operatively connected to said driving wheels, a first steam conduit to supply steam from the boiler to the turbine, a second conduit to convey steam exhausted from the turbine to the reciprocating engine, a pressure reducing valve in said first conduit acting in response to pressure variations in said second conduit to vary the admission of steam to the turbine and thereby to keep the pressure in said second conduit approximately constant, and means to vary the point at which the pressure in said second conduit is held constant, said means acting in coordination with the reversing gear.

2,102,807
GAME
George W. Perks, Akron, Ohio
Application April 24, 1936, Serial No. 76,168
1 Claim. (Cl. 273—138)



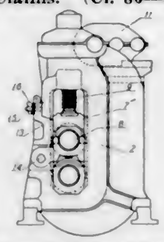
A game apparatus, comprising a supporting structure, an invertible receptacle mounted to revolve on said supporting structure and comprising an edge frame having spaced transparent opposite face walls, a series of distinguishable balls within said receptacle between said walls and visible to the game operator in all positions thereof from either side of said receptacle through either face wall thereof, a series of baffle elements within said receptacle extending from opposite side edges of the receptacle toward the center of the receptacle and adapted to rearrange the relative order of said balls when the receptacle is inverted whereby the balls will trickle by gravity down over and between the baffles from one end of said frame to the other, said baffles being so arranged that said balls trickle down through the receptacle over and between the baffles to various uncertain orders or successions across the ends of receptacle upon inversions of the receptacle, the ends of the receptacle being substantially smooth and unbroken to permit the balls to roll freely over the ends of the receptacle and to tumble over each other to various orders of succession across an end of the receptacle after each inversion of the receptacle.

2,102,808
MEANS FOR MULTICOLOR PRINTING ON ARTICLES OF IRREGULAR SHAPE
Rene P. Piperoux, Radburn, N. J., assignor to Celluloid Corporation, a corporation of New Jersey
Original application February 11, 1932, Serial No. 592,228, now Patent No. 2,076,589, dated April 13, 1937. Divided and this application July 9, 1936, Serial No. 89,780
2 Claims. (Cl. 101—407)



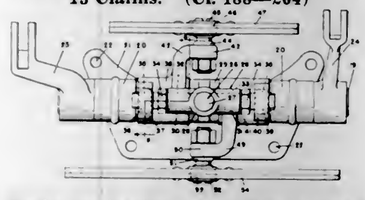
1. In a device for holding an article of irregular shape for treatment in a press, the combination of a platen adapted for sliding movement on the bed of said press, of jaw plates mounted on said platen, a replaceable mask carried by said jaw plates for holding the irregularly shaped article and means, operative by a single lateral movement, for moving said jaw plates and mask carried thereby relative to each other, whereby on the closing movement of said jaw plates the article is centered and held in the mask, the construction and arrangement being such that the mask may be quickly and easily replaced to accommodate articles of other configurations.

2,102,809
ROLLING MILL HOUSING
Jorgen Remmen, Pittsburgh, Pa.
Application March 8, 1935, Serial No. 9,965
4 Claims. (Cl. 80—55)



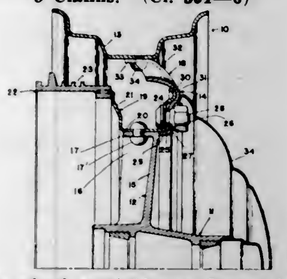
1. In a rolling mill, a shear type frame having windows in the sides for receiving the journal blocks of the roll necks, said windows being smaller than the diameter of the rolls and said frame having relatively small gaps in the front for the removal of the roll necks therethrough, the windows extending downwardly a sufficient distance from the bottom of the gap to receive the lower and upper journal blocks of the lower roll and the lower journal blocks of the upper roll, and said windows extending upwardly from the upper dimension of said gap a sufficient distance to permit raising the upper journal block of the upper roll a sufficient amount to clear said gap, whereby the upper and lower rolls may be successively lifted out of their bearings and withdrawn through the gap.

2,102,810
BRAKE MECHANISM
Charles A. Sawtelle, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 15, 1936, Serial No. 79,993
13 Claims. (Cl. 188—204)



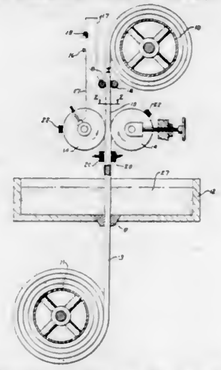
1. Brake mechanism comprising, a rock-shaft, an arm having one end fixed to the rockshaft and provided with a journal adjacent the opposite end having its axis extending at right angles to the axis of the rockshaft, a member supported intermediate the ends thereof on said journal for rocking movement about the axis of the latter and having elements adjacent opposite ends independently adjustable toward and away from the axis of the journal, and a pair of arms having their inner ends journalled on the rockshaft and having openings in the outer ends slidably receiving said elements.

2,102,811
VEHICLE WHEEL
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 13, 1935, Serial No. 21,241
5 Claims. (Cl. 301—6)



1. In a wheel, a rigid non-flexing load supporting member, an annular member substantially U-shaped in cross section encircling the load supporting member with the intermediate portion seated upon the outer end of the load supporting member and having the leg portion at the outboard side of the wheel extending beyond the load supporting member forming a shoulder, a brake flange extending axially from the leg portion of the U-shaped member at the inboard side of the wheel, a wheel body element at the outboard side of the first named leg of the U-shaped member having a portion seated upon the radial outer end of the latter leg portion and having another portion engaging the outboard side of the load supporting member adjacent the shoulder aforesaid, and means demountably securing the wheel body element to said first named leg between the portions aforesaid of the wheel body element.

2,102,812
METHOD OF AND APPARATUS FOR MAKING WELDING RODS
George T. Southgate, Forest Hills, and James G. Nicolson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application August 14, 1934, Serial No. 739,748
Renewed May 7, 1937
15 Claims. (Cl. 29—33)



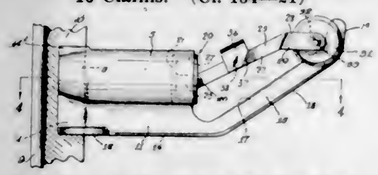
1. In combination, means for coating a wire with a material adapted to form an adhesive coat when dried, means for removing a portion of said coat at substantially diametrically opposite longitudinal portions thereof prior to the drying of the coating material, rotary means for reducing the cross-section of said wire in a direction perpendicular to the portions from which the coating has been removed, and means for rapidly drying the portions of the coating material remaining upon said wire.

2,102,813
WELDING ROD
George T. Southgate, Forest Hills, and James G. Nicolson, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Company, a corporation of New York
Original application August 14, 1934, Serial No. 739,748. Divided and this application September 12, 1936, Serial No. 100,418. In Canada August 13, 1935
11 Claims. (Cl. 219—8)



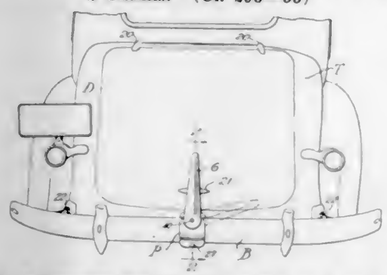
1. A welding wire comprising two transversely curved longitudinally continuous surface portions separated by two longitudinally continuous portions, said first mentioned surface portions being coated and said last mentioned portions being bare.

2,102,814
ELEVATOR GUIDE RAIL LUBRICATOR
John J. Walsh, Maple Shade, N. J.
Application May 12, 1936, Serial No. 79,330
16 Claims. (Cl. 184—21)



1. A device of the character described comprising a casing having a lubricant chamber therein, the said casing having an opening in communication with the chamber, the said opening being adapted to receive an elevator track, a piston within said lubricant chamber, a thrust rod pivotally connected to said piston, a roller mounted for rotation on said thrust rod, and an upwardly inclined guide arm extending from one end of said casing and adapted to guide and support said roller.

2,102,815
GRILLE GUARD
Anthony V. Weasler and Andrew C. Meyer, West Bend, Wis., assignors to Pick Manufacturing Company, West Bend, Wis., a corporation of Wisconsin
Application March 24, 1937, Serial No. 132,794
2 Claims. (Cl. 293—55)



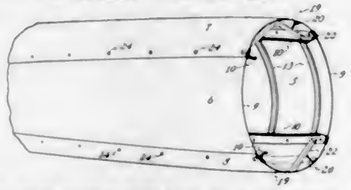
2. A bumper guard comprising a base plate adapted to be attached to a bumper bar, said base plate having a head portion, a guard plate having an axially movable pivotal mounting upon the base plate and stop means arranged to engage with the head of the base plate, and tension means holding the head of the guard and the stop means of the base plate in interfitting relationship for normally preventing swinging movement of the guard plate about its pivotal mounting.

2,102,816
LIGHTING FIXTURE
Rudolf Wendel, Roslyn Heights, N. Y.
Application April 20, 1934, Serial No. 721,442
4 Claims. (Cl. 240—52.4)

4. A lighting fixture adapted to be supported from the dull, light-diffusing surface of the wall of a room and comprising a base for attaching the fixture to the wall, an arm supported by and extending from said base, the end of the arm remote from the base extending vertically upwards and terminating in a tapped element, a plate-like member resting on said tapped element, a socket member on said plate-like member and extending above the latter, a tapped plug within the socket member, a hollow tubular casing slipped over said plug and held in position thereon, a lamp socket within said casing adapted to receive an incandescent lamp and having a threaded hollow stem passing through the plug, socket member and plate-like member and screwed into the tapped element of the arm to clamp the several parts together, said casing being cut away at the rear thereof to enable direct light from the lamp to be projected upon the light-diffusing wall, the cut-out being of such limited circumferential extent that the lamp is not visible from in front of the fixture, said fixture affording substantially unobstructed passage for light to the light-diffusing surface and thereby enabling direct light from the lamp to be projected upon such surface, said casing being otherwise closed to limit the external illumination substantially to the wall surface to the rear of the casing, said arm extending forwardly of the wall a distance sufficient to cause bright illumination of so large a wall area to the rear of the casing that substantially the whole of the casing is sharply silhouetted against the illuminated surface while no image of the source of light is reflected into the room, the source of light thus remaining invisible.

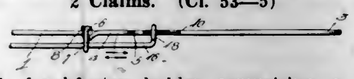


2,102,817
FUSELAGE CONSTRUCTION
Frederick R. Weymouth, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss-Wright Corporation, a corporation of New York
Application April 4, 1935, Serial No. 14,550
5 Claims. (Cl. 244—119)



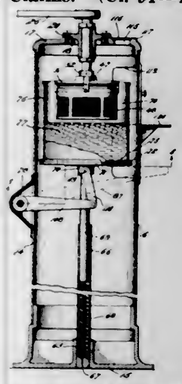
2. In monocoque fuselage construction, a joint adapted for the connection of two unit fuselage panels, one of the said panels comprising a skin section braced circumferentialy and adapted to assume principally shear loads, the other of said panels comprising a skin section braced longitudinally by continuous stringers and transversely by formers provided with apertures at one end and forming with a similarly provided adjacent edge of the said skin section a half of the said joint, the second said panel adapted principally to assume compressive and tensile loads, the first said panel provided with a longéron attached to the said skin section and circumferential bracing, having an attached bracket fitting and adapted to form therewith a second half of the said joint, apertures in the said bracket fitting adapted to aline with those of one of the said formers, apertures in the edges of both said skin sections and the said longéron, and fastening means adapted to engage the said apertures in assembled relationship of the two panels.

2,102,818
FRANKFURTER HOLDER
Norman C. Rhew, Rougemont, N. C.
Application January 11, 1937, Serial No. 120,079
2 Claims. (Cl. 53—5)



1. A frankfurter holder comprising a wire frame structure having a handle portion and a curved end portion, a slide wire member reciprocative with respect to said wire frame structure, said slide wire member having a curved end complementary to the curved end of said frame structure and coacting therewith, a looped member formed on the opposite end of said slide wire member and encircling the handle portion of said wire frame structure and serrations formed in said handle portion and engageable by said looped member for maintaining the curved end of said slide wire member in predetermined relation to the wired end of said frame structure.

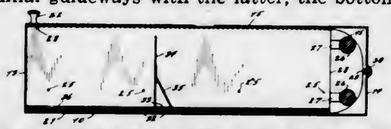
2,102,819
IMMERSING AND DRYING MACHINE
Fernando M. Ronci, Providence, R. I.
Application February 23, 1937, Serial No. 127,328
12 Claims. (Cl. 91—46)



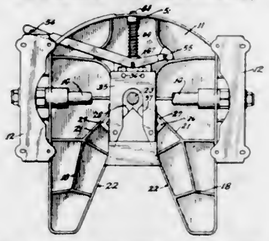
1. In an immersing and drying machine, a casing having a side provided with an opening therein, a driving shaft rotatably mounted in the casing, a cage supported by the shaft, a container within the casing removable through the side opening and providing a lower liquid containing portion and an upper centrifuging portion, and means for effecting relative vertical movement between the container and the cage.

2,102,820
FILE
Sol Scheinman, White Plains, N. Y.
Application May 23, 1936, Serial No. 81,382
5 Claims. (Cl. 220—41)

1. A file comprising a casing consisting of two metal stampings of which one forms the outer shell and has side, bottom and end walls, the upper end portions of the side walls being bent inwardly in a horizontal plane, the other stamping being a substantially U-shaped insert supported within the shell and being provided with horizontal flanges at the top thereof spaced from the first-mentioned flanges and forming longitudinal guideways with the latter, the bottom of said insert being spaced from the bottom of the shell; a flexible cover member received within said guideways and adapted to be moved rearwardly to expose the contents of the file; and antifriction means at the rear of the file and engaged by the cover member as it is moved rearwardly to open the file, said cover member then moving into the space between the bottom of the insert and the bottom of the casing.

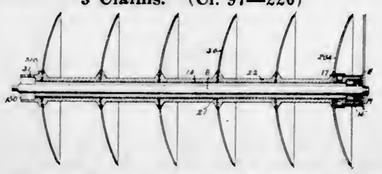


2,102,821
COUPLING DEVICE FOR TRAILERS AND TRACTORS
Carl G. Seyferth, Muskegon, Mich., assignor to West Michigan Steel Foundry Co., Muskegon, Mich., a corporation of Michigan
Application September 29, 1934, Serial No. 746,207
12 Claims. (Cl. 280—33.1)



12. In a coupling device for a trailer and tractor vehicle having a plate member on one vehicle and a king pin on the other vehicle adapted to be automatically engaged with each other, a pair of floating jaw members having arcuate recesses for automatically embracing and positively locking said king pin and mounted upon said plate for pure translational movement only relative thereto and to each other.

2,102,822
BEARING FOR DISK HARROWS
Charles T. Viau, Fresno, Calif.
Application April 7, 1937, Serial No. 135,453
3 Claims. (Cl. 97—220)



1. In a disk harrow having a frame, a tubular member on which disk blades and spacers are assembled, an axle extending through the tubular member concentric therewith, and attached at either end to the frame, a bearing consisting of

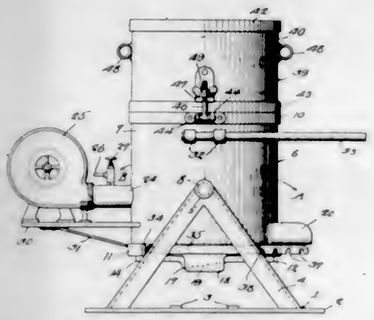
a housing having an annular recess therein, said housings being attached at either end of the tubular member with the recess positioned concentric with the tubular member, a roller bearing adapted to be fitted within the recess and around the axle, a closure adapted to enter the annular recess, said closure having annular grooves therein, and yielding rings adapted to enter said grooves, and when assembled therewith to bear against the inside wall of the recess.

2,102,823

COMBINATION FURNACE

Walter Walsh and Samuel H. Forster, Menomonie, Wis., assignors of one-half to said Walsh and one-half to said Forster

Application August 11, 1936, Serial No. 95,467
2 Claims. (Cl. 263—33)



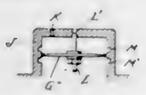
1. In a device for smelting ferrous or nonferrous metals at the will of an operator, a tubular furnace body, a tubular extension, means for securing the extension detachably on the upper end of the body, the body having an outlet spaced from the extension and constituting an egress means for molten metal when the extension is mounted on the body and when the extension is detached from the body, means associated solely with the body for melting metal, a support, and mechanism carried directly by the body and independently of the means for securing the extension to the body, for mounting the body alone, or the body and the extension together, at the will of an operator, for tilting movement on the support.

2,102,824

BREATHING SEAL

John William White, Detroit, Mich., assignor, by mesne assignments, to Bendix Products Corporation, a corporation of Indiana

Application February 15, 1932, Serial No. 593,149
1 Claim. (Cl. 251—119)



The combination with a casing having an opening therein with cylindrical walls and with spaced annular grooves in said walls, of a flexible resilient disk extending across said casing, means for centrally supporting said disk with its peripheral edge in sealing contact with said cylindrical wall intermediate the grooves therein in the normal position of the disk whereby a deflection of said disk in either direction will break the peripheral seal.

2,102,825

HYDRAULIC FLUIDS

John C. Woodhouse, Cragmere, and Arthur G. Weber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 6, 1935, Serial No. 9,590
10 Claims. (Cl. 252—5)

1. A substantially non-aqueous fluid for use in fluid pressure apparatus comprising an organic solvent diluent and a compound containing the ricinoleyl radical.

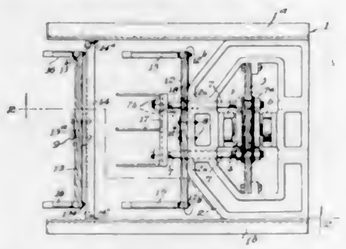
2. A substantially non-aqueous fluid for use in fluid pressure apparatus comprising an organic solvent diluent and ricinoleyl alcohol.

2,102,826

VIBRATORY APPARATUS

Hugh E. Wurzbach and Clyde H. Konold, Magna, Utah

Application March 23, 1936, Serial No. 70,418
13 Claims. (Cl. 198—220)



1. In a vibratory apparatus, a frame structure constituting a relatively fixed member; a vibrated member having a feed end and a discharge end and a working surface over which material is to be moved longitudinally in a direction from said feed end toward said discharge end; a plurality of elongated resilient supporting bars having their longitudinal axes extending substantially horizontally and transversely with respect to said direction, said supporting bars being spaced from one another in said direction and each being connected to one of said members at two spaced positions along the length thereof and to the other of said members at a position intermediate and spaced from said two positions, the portions of said bars adjacent the positions of connection to the vibrated member being free to vibrate along paths of vibration, each having a component in said direction; and a vibratory motor provided with reciprocating driving means operatively connected to said vibrated member at a position adjacent the connection thereof to one of said bars, to produce a vibratory motion of said vibrated member along a path defined by the paths of vibration of said bars.

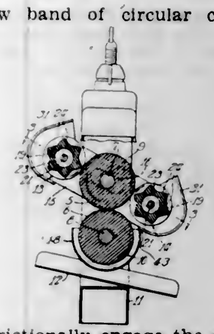
2,102,827

WRINGER

Gustaf E. Andre, Richmond, Ind.

Application June 17, 1935, Serial No. 26,956
8 Claims. (Cl. 68—32)

1. A wringer feed roll of substantially star-shaped cross section and provided with a relatively narrow band of circular cross section adapted to frictionally engage the surface of a wringer roll to be thereby driven.

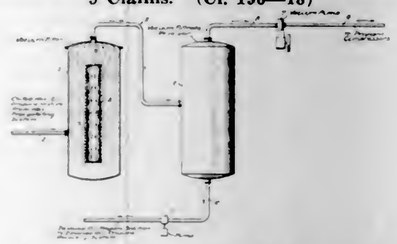


2,102,828

METHOD OF DEWAXING HYDROCARBON OILS

Paul D. Barton, Scarsdale, N. Y., and Daniel B. Banks, Upper Darby, Pa., assignors, by mesne assignments, to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application April 16, 1934, Serial No. 720,730
5 Claims. (Cl. 196—18)



1. A method of separating finely divided wax from a chilled mixture of solidified wax and a solution of oil in a normally gaseous hydrocarbon solvent, the mixture being substantially at vaporization equilibrium for the temperature and pressure existing in the mixture, comprising introducing the mixture to a filtering zone and maintaining a sub-equilibrium pressure on the eduction side of the filtering zone such as will cause vaporization of enough solvent in the oil-solvent solution passing through said filtering zone to further lower the temperature and precipitate additional wax in the oil.

2,102,829

BRAIDED ARTICLE

Peter Horace Boivin, Granby, Quebec, Canada

Application July 6, 1936, Serial No. 88,934
1 Claim. (Cl. 96—27)



A necktie comprising a flat one-ply fabric of braided crepe yarn, the crepe yarn of the end portions of said fabric being relatively loosely braided to form non-creasing tie sections and the yarn in the intervening portion being tightly braided to form a relatively inextensible neck band portion adapted to slip easily through a collar.

2,102,830

FERTILIZER MANUFACTURE

John L. Brill, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 9, 1935, Serial No. 15,399
12 Claims. (Cl. 71—30)

1. A fertilizer nitrifying agent comprising a liquid containing formamide, dissolved free ammonia, urea and a relatively small quantity of water.

6. A method of producing a fertilizer which comprises adding to acidic fertilizer materials a liquid containing formamide, dissolved free ammonia, urea, and a relatively small quantity of water.

2,102,831

FERTILIZER MANUFACTURE

John L. Brill, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 16, 1937, Serial No. 137,209
14 Claims. (Cl. 71—27)

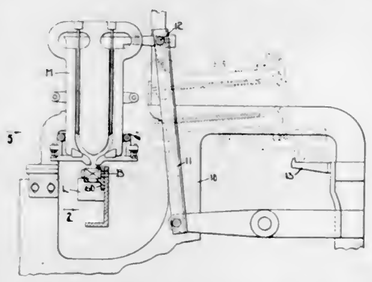
1. A fertilizer nitrifying liquid containing formamide, ammonia, a relatively small quantity of water, and a water soluble salt having fertilizing value selected from the group consisting of alkali metal, alkaline earth metal, and ammonium salts.

2,102,832

SHUTTLE BOX CONSTRUCTION FOR LOOMS

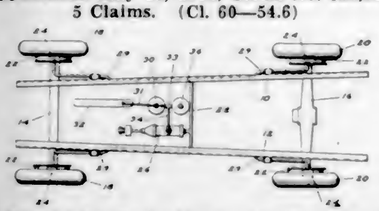
Benjamin W. Brouwer, Auburn, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application October 1, 1936, Serial No. 103,556
9 Claims. (Cl. 139—183)



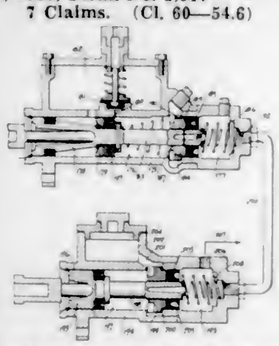
1. In a loom, a lay, a lay end secured thereto having a horizontal picker receiving slot, a shuttle box forming element, a shuttle binder for the element, a vertical wall forming part of the element having a picker slot extending horizontally therein in the upper part of the wall, a box floor extending horizontally forwardly from the wall below the slot, and means extending through the wall below the floor to secure the element to the lay end with the slots in the lay and the wall in horizontal alignment.

2,102,833
BRAKE
Eugene G. Carroll, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 18, 1932, Serial No. 612,139
5 Claims. (Cl. 60—54.6)



1. In a hydraulic braking system a master cylinder provided with a pair of spaced ports, one being a rearward port and the other a forward port, a reservoir communicating with said ports, means for normally covering one of said ports and for at times uncovering said rearward port and covering the forward port, said means comprising a piston formed with a recess which recess is normally positioned rearwardly of both of said ports but is at times moved with the piston to register with the rearward port, and including a packing cup positioned in advance of said piston and normally positioned intermediate said ports, said piston having ports through which liquid may flow on the retractile stroke of said piston.

2,102,834
BRAKE
Eugene G. Carroll, Los Angeles, Calif., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application November 11, 1930, Serial No. 494,993. Patent No. 2,018,912, dated October 29, 1935. Divided and this application January 14, 1935, Serial No. 1,617
7 Claims. (Cl. 60—54.6)



1. In a master cylinder for hydraulic brakes, a casing having a compression chamber and a booster chamber having substantially the same diameter as said compression chamber with a head separating said chambers, a plunger having a head sliding in the booster chamber for developing pressure therein at the commencement of the forward stroke of the plunger and having a cylindrical extension passing through the first-named head into the compression chamber, means for opening communication through the cylindrical extension of the plunger between the booster chamber and the compression chamber when the plunger is in its retracted position, and means for by-passing the liquid from in front of the head of the plunger after the pressure in the compression chamber has been boosted by the advance of the rear head of the plunger, said compression chamber having means for connecting the same to the brakes.

2,102,835
AUXILIARY WHEEL
James R. Catalina, Kansas City, Mo.
Application May 13, 1937, Serial No. 142,356
1 Claim. (Cl. 280—150)



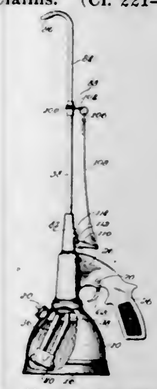
In an automotive vehicle having pneumatic tired front wheels, a knee-action assembly for supporting said front wheels, said knee-action including a pair of springs and a pair of pivoted knee-action arms, auxiliary wheels of smaller diameter than said vehicle wheels, means for pivotally mounting said auxiliary wheels on said knee-action arms at points closer to the longitudinal center line of the vehicle than said vehicle wheels and on axes below the axes of said vehicle wheels, said auxiliary wheels being supported with their peripheries clear of the ground but sufficiently close thereto that, upon deflation of the tires of said vehicle wheels, said auxiliary wheels will contact the ground to support said vehicle through said knee-action assembly, means on said vehicle for pivoting said front vehicle wheels to steer said vehicle, a tie rod for interconnecting said front auxiliary wheels, a link for connecting said tie rod with said means for pivoting said front vehicle wheels whereby, when said front auxiliary wheels or either of them is supporting a portion of the weight of said vehicle, said vehicle may be steered by the steering means for said front vehicle wheels.

2,102,836
POLISHING WHEEL
Felix G. Cyrex, Grand Rapids, Mich., assignor to J. C. Miller Co., Grand Rapids, Mich., a corporation of Michigan
Application August 17, 1936, Serial No. 96,424
2 Claims. (Cl. 51—193)



1. A polishing wheel of the class described comprising, a plurality of disks, each of said disks being parted at an angle to the face of the disk, to form a bevel, from its center to its outer edge, said disks being threaded together, said disks each being cemented to the face of the adjacent disk to form a polishing wheel, the exposed straight portions of the edge of each disk being positioned parallel to the side faces of the polishing wheel and being bent to an advancing plane axially of the partings equal to the thickness of said disks, from one of the side faces of said polishing wheel to the other side face of the wheel whereby said exposed surfaces of said disks are positioned substantially helically along the length of said polishing wheel.

2,102,837
PISTOL GRIP OIL CAN
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application December 2, 1935, Serial No. 52,456
8 Claims. (Cl. 221—51)

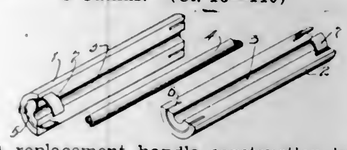


1. In an oil can, the combination of a reservoir, a handle secured to said reservoir, a discharge tube secured to said handle and projecting outwardly therefrom, the outer end of said tube being threaded and having longitudinal slots therein, a spout having one end telescoping within the outer end of said tube, and a clamping sleeve screwed over the end of said tube and constructed and arranged to contract the slotted end portion of said tube into clamping engagement with said spout.

2,102,838
PROCESS OF MAKING THERMOPLASTIC COMPOSITIONS CONTAINING RUBBER AND THE LIKE
Edward R. Dillehay, Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
No Drawing. Application December 6, 1934, Serial No. 756,363
16 Claims. (Cl. 106—23)

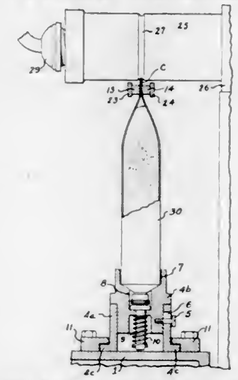
1. A process of making molding compositions which comprises mixing a hard bituminous binder with filler and fibrous materials and during said mixing incorporating into the mass a quantity of rubber in softened condition at a stage in said process where the mechanical mixing still to be done will be sufficient, having in regard the softened condition of said rubber, to incorporate said rubber into homogeneous admixture with said binder by the time of completion of said mix.

2,102,839
HANDLE CONSTRUCTION
Anna Josephine Dohrman, River Grove, Ill.
Application January 18, 1937, Serial No. 121,155
5 Claims. (Cl. 16—110)



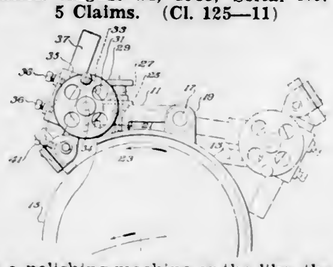
3. A replacement handle construction including mating members adapted together to surround a bail, one member having a tongue adjacent one end and a groove enterable from the other end, the second member having a groove enterable at its one end and a tongue adjacent its other end, the tongues being engaged with said grooves by relative endwise movement of said members in a direction to bring their ends into register.

2,102,840
CLOSING AND SEALING OF COLLAPSIBLE TUBES
Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application February 12, 1934, Serial No. 710,824
4 Claims. (Cl. 113—112)



1. A method of sealing a metallic collapsible tube or like thin-walled container by interfusion, which comprises supporting juxtaposed wall portions in such a way that the edges thereof are free, bringing a heated tool into contact with said edges so as to melt and interfuse said edges in an area adjacent said tool, and moving said tool and said edges relative to each other so as to cause said area of molten metal to traverse said edges, the molten metal in said area forming by its surface tension a bead of substantially greater width than said juxtaposed edges, said bead being essentially located beyond any supporting means, the tube so sealed being shorter by substantially the amount of metal in said bead than the tube before sealing.

2,102,841
WHEEL TRUING DEVICE
Rufus W. Fuller, Deerfield, Mass., assignor to Production Machine Company, Greenfield, Mass., a corporation of Massachusetts
Application August 24, 1935, Serial No. 37,703
5 Claims. (Cl. 125—11)



4. In a polishing machine or the like, the combination with a rotating wheel, a casing enclosing the wheel and provided with a clamping

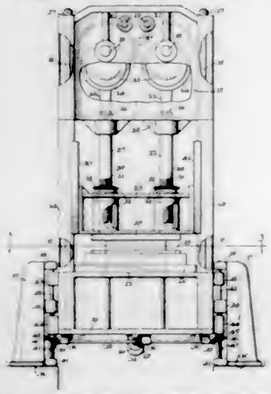
abutment and lug at the top and an opening for the presentation of the work in the front thereof, a truing device comprising an arm pivoted on the lug on an axis parallel to the axis of the wheel and having a clamping face for engagement with the abutment when the truing device is swung forwardly on its pivotal support, and a truing tool mounted on the arm, the tool being projected through the opening to engage the face of the wheel when the device is swung forwardly, the device being adapted to be swung rearwardly to rest upon the casing in inoperative position distant from said opening, and means for clamping the face on the arm in engagement with the abutment on the casing to hold the truing device in fixed operative position.

2,102,842

PRESS

Rudolph W. Glasner, Chicago, Ill.

Application October 30, 1935, Serial No. 47,441
6 Claims. (Cl. 113—38)



1. A press comprising a rigid frame structure embodying a base, a slide reciprocable towards and away from the base and exerting its operative force against said base, standards independent of and disposed outside of the frame adjacent the corners of said frame, vertical bearings carried by the standards, co-operating vertical bearings carried by the frame and arranged in alinement with the bearings of the respective standards, threaded upright members passing through the respective co-operating bearings on the standards and frame, rotatable members threaded upon said uprights and operatively connected with said frame, and means for rotating the last said members to bodily and vertically adjust said frame with respect to the standards to vary the working height of the bed, the force of the operative stroke of the slide against said bed being sustained by said frame, said upright threaded members being relieved of such force.

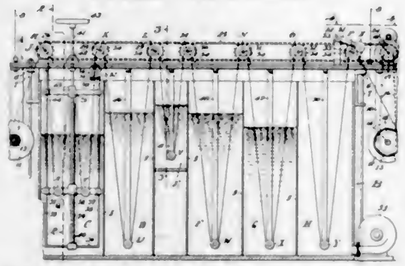
3. A press comprising a rigid frame structure embodying a base, a slide reciprocable toward and away from the base and exerting its operative force against said base, standards independent of and disposed outside of and adjacent the corners of the frame, vertical bearings carried by the standards, co-operating vertical bearings carried by and outside of the frame and arranged in alinement with the bearings of the respective standards, upright members passing through the respective co-operating bearings on the standards and frame, portions of said upright members being threaded, a member threaded upon each of the said upright members and operatively connected to the frame, one of each of the co-operating members being non-rotatable and the other being rotatable, and means for rotating the rotatable members to bodily adjust the frame and bed to vary the working height of the bed.

2,102,843

RIBBON FEEDING MECHANISM

Hugh H. Gwynne, Los Angeles, Calif.

Application May 2, 1936, Serial No. 77,524
1 Claim. (Cl. 271—2.3)



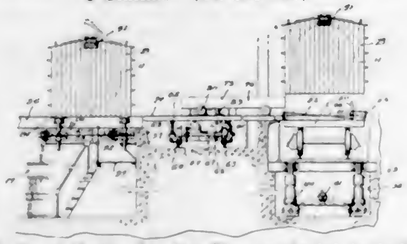
In a ribbon feeding mechanism a horizontally extending elongated carriage mounted for vertical movement, a ribbon feed reel on one end of said carriage, a ribbon take-up reel on the other end of said carriage, a plurality of feeding rollers mounted on said carriage and spaced apart longitudinally thereof around which a ribbon leading from the feed reel to the take-up reel is passed, guide means depending from said carriage adjacent the end portion thereof carrying the feed reel, a vertically movable carriage engaging said guide means, means for adjusting said last named carriage relative to the first named carriage, direction rollers on said second carriage around which a length of ribbon extending between a pair of adjacent rollers is passed, a plurality of hangers depending from said first named carriage, direction rollers on said hangers around which lengths of the ribbon extending between adjacent feeding rollers is passed, means on said first named carriage for collectively driving said feeding rollers, and means associated with said last named means for rotating said take-up reel.

2,102,844

APPARATUS FOR HANDLING LIQUID PRODUCTS

John C. Hester, Milwaukee, Wis., assignor of one-fourth to Donald A. Harris, one-fourth to Edward A. Bornfleith, and one-fourth to Godfrey Oestrich, all of Milwaukee, Wis.

Application January 4, 1935, Serial No. 380
6 Claims. (Cl. 214—38)



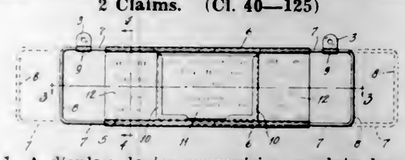
1. In a device for handling material in bulk, a receiving station having one or more pairs of spaced parallel rails, a track extending longitudinally of the receiving station and at right-angles to the rails, a roadway parallel to the receiving station, a wheeled chassis movable over the roadway, a pit in said roadway located below the track and the rails of the receiving station, a removable car body on the chassis, means in the pit for elevating the body above the chassis, said means being entirely movable in the pit below the roadway when the same are not in use, a spotting truck movable over the track having a pair of transversely extending rails movable with the truck into and out of alinement with the rails of the receiving station, a transfer truck independent of the car body and supporting truck and normally mounted on the rails of the spotting truck and movable on to the rails of the receiving station when the rails of the truck are in alinement with the rails of the receiving station, and rails for the car chassis whereby the transfer truck can be moved under the elevated body when the rails of the spotting truck are in alinement with said last mentioned rails.

2,102,845

DISPLAY DEVICE

Nelson H. Howe, St. Louis, Mo., assignor to Lewis-Howe Company, St. Louis, Mo., a corporation of Delaware

Application August 2, 1937, Serial No. 156,886
2 Claims. (Cl. 40—125)



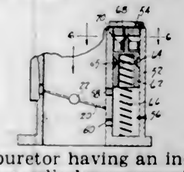
1. A display device comprising a plate having hollow beads along its top and bottom edges, supporting frames having end members and legs slidably disposed in the respective beads, mounting devices having loops through which extend the legs of said frames and sign supporting members mounted centrally of said plate on a face thereof.

2,102,846

CARBURETOR

Scott F. Hunt, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application January 25, 1933, Serial No. 653,520
14 Claims. (Cl. 261—39)



6. In a carburetor having an induction passage and a throttle, a cylinder communicating with the induction passage anterior and posterior to the throttle, a piston in the cylinder operative in two positions to permit flow of air through the cylinder and operative in an intermediate position to obstruct such flow, said piston being subjected at its opposite ends to atmospheric pressure and to the pressure posterior to the throttle whereby it tends to move in one direction in response to a decrease in said latter pressure, and yielding means urging the piston in the opposite direction.

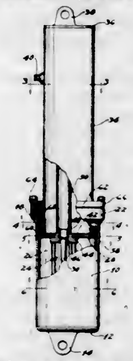
7. In a carburetor, an induction passage, and a throttle valve in said passage having apertures therein, and pressure responsive members oppositely acting to control said apertures.

2,102,847

SHOCK ABSORBER STRUT

Carl V. Johnson, South Bend, Ind., assignor to Bendix Research Corporation, South Bend, Ind., a corporation of Indiana

Application March 7, 1931, Serial No. 520,778
15 Claims. (Cl. 267—64)



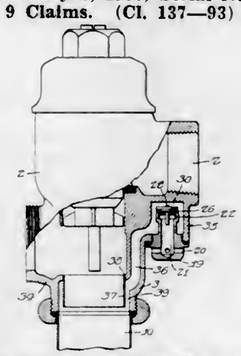
1. A shock absorbing strut comprising a streamlined cylinder having guiding surfaces arranged in arcs, the centers of which are common to both surfaces, a circular piston arranged to reciprocate within and be guided by said guiding surfaces, and a second stream line cylinder having a cross section whose minor axis is less than and whose major axis is greater than the diameter of said piston, said second cylinder being secured to said piston and adapted to reciprocated within the first named stream lined cylinder.

2,102,848

VACUUM BREAKING DEVICE

Emil J. Kocour, Chicago, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois

Application May 8, 1930, Serial No. 450,659
9 Claims. (Cl. 137—93)



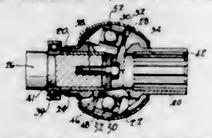
1. The combination with a flush valve casing of a vacuum breaking device having a vertically disposed body portion through which the water from the flush valve passes, said body portion having a hollow eccentrically arranged extension which is a part of the flush valve casing, a seating element in said extension provided with a passageway communicating with the atmosphere, a closing device within the flush valve casing nor-

mally engaging said seating device so as to close said passageway, said extension being provided with a space above said seating device, a connection leading from said space to said body portion, and means associated with said connection for preventing the water from the flush valve from passing up to the top of said seating device.

2,102,849
METHOD OF MAKING SOAP BEADS OR THE LIKE
Vaman R. Kokatnur, New York, N. Y., assignor to Autoxygen Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 7, 1935, Serial No. 39,552
16 Claims. (Cl. 87—16)

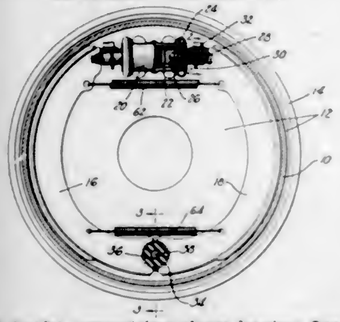
1. A method of producing soap beads or the like, which includes the step of dropping a normally solid or gelled soapy substance in molten condition into a bath of non-aqueous organic volatile cooling liquid to effect rapid cooling and case hardening of the drops into the form of beads or the like.

2,102,850
UNIVERSAL JOINT
Ernest R. Koppel, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 24, 1936, Serial No. 65,256
8 Claims. (Cl. 64—21)



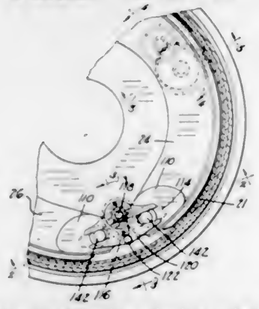
1. In a constant angle velocity universal joint member including a plurality of spaced arms, a stamped splined welded longitudinally extending reinforcing insert having radially extending reinforcing segments, an apertured member having radially extending projections and a die-cast universal joint body section including a pair of spaced arms surrounding the insert the radially extending reinforcing segments and projections of the joint.

2,102,851
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application March 27, 1935, Serial No. 13,330
23 Claims. (Cl. 188—78)



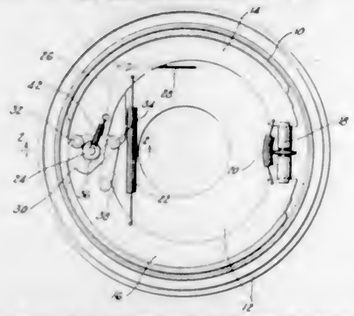
1. A brake comprising shoes having fixed anchorage means and circumferentially floating applying means at one side of the brake, and having connecting means at the other side of the brake, in combination with yielding means acting on said connecting means and which is heavy enough to take approximately one-half of the torque of one shoe and which transmits the remaining half of the torque of said one shoe to the other shoe with a servo effect.

2,102,852
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 12, 1935, Serial No. 40,291
4 Claims. (Cl. 188—78)



1. A brake positioning device adapted to be mounted on a brake backing plate and comprising a fixed pin to be carried by the plate and adapted to engage and support at its end the web of a brake shoe, a roller eccentrically mounted on the pin and adapted to engage and support the rim of said shoe, and a device for turning the roller including a pinion having an operating stem extending through the backing plate.

2,102,853
BRAKE
Eugene G. McDonald, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 26, 1932, Serial No. 634,972
13 Claims. (Cl. 188—78)



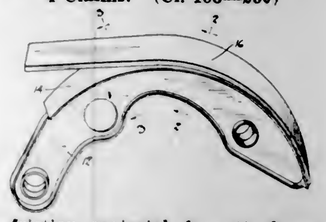
1. A brake comprising a drum, friction means having an anchorage engaging its ends and arranged to have one end anchor thereon when the drum is turning in one direction and to have the other end anchor thereon when the drum is turning in the other direction, a floating lever having a part pivotally engaging one of said ends on one side of said anchorage and having a slot encircling the anchor and elongated in the direction of the drum circumference to permit the lever to shift slightly circumferentially of the brake with said ends to permit either of said ends to anchor, a link connecting the other of said ends to a part of the lever on the other side of said anchorage.

2,102,854
HALOGEN DERIVATIVES OF N-AMYL CRESOLS
George W. Raiziss and LeRoy W. Clemence, Philadelphia, Pa., assignors to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois
No Drawing. Application June 22, 1934, Serial No. 731,695
2 Claims. (Cl. 260—154)

1. A n-amyl cresol which is dihalogenated on the ring.

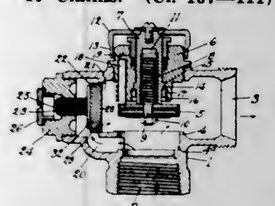
2. A ring-halogenated aromatic compound, namely, dichloro-n-amyl-meta cresol.

2,102,855
BRAKE LINING
Adolph Rosner, Rockton, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application December 21, 1928, Serial No. 327,730. Divided and this application January 22, 1934, Serial No. 707,654
4 Claims. (Cl. 188—250)



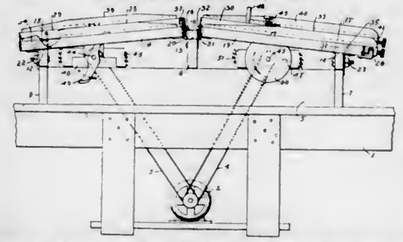
1. A friction material for attachment to a brake shoe or the like and which is formed in a long strip having, when the strip is straight, parallel transversely-curved upper and lower faces presenting a concavity on the side which is to engage the shoe, which concavity tends to flatten out as the strip is bent into the arc of the shoe, and which strip is of woven material with transverse elements set under tension so that there is substantially no tendency for the material to stretch transversely under pressure.

2,102,856
VALVE
Irving H. Russell, Chicago, Ill., assignor to Sloan Valve Company, Chicago, Ill., a corporation of Illinois
Application October 11, 1933, Serial No. 693,126
10 Claims. (Cl. 137—111)



9. In combination, a valve casing provided with an inlet opening and an outlet opening in communication with each other through an enlarged central chamber, a reciprocable valve member mounted within said casing to control communication between said openings, a first shoulder and a second shoulder within said casing interposed between one of said openings and the said central chamber; and a channel in said casing by-passing one of said shoulders, said valve member being positionable with respect to one of said shoulders to close communication completely between said openings, being positionable within the second shoulder to permit by-pass communication between said openings, and positionable away from both of said shoulders to permit free communication between said openings.

2,102,857
WOODWORKING MACHINE
William J. Schafer, San Jose, Calif.
Application January 19, 1937, Serial No. 121,246
1 Claim. (Cl. 144—1)



In a wood-working machine, a supporting frame including a stepped member disposed crosswise thereof on the central portion thereof, and a pair of symmetrically arranged tables associated with each step of said member and inclined outwardly and downwardly from opposite sides thereof with their outer ends supported by said frame, whereby material on any one table projecting over another table will not encounter any item on said other table.

2,102,858
CAPSULE FOR STORING FLUIDS
Peter Schlumbohm, New York, N. Y.
Application September 29, 1934, Serial No. 746,129
In France December 21, 1933
4 Claims. (Cl. 206—46)

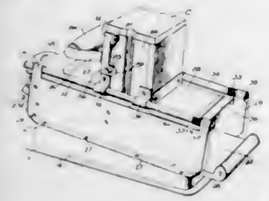


1. A destructible mercantile unit comprising an absorbent pad, a pliable rupturable wall fitting closely around and sealing said pad, and a charge of cosmetic liquid for a single application within said wall and impregnated within the pad, said pad being of such material that when impregnated with said liquid it tends to expand against said wall and to hold said wall in expanded, pad-embracing condition whereby to render the wall resistant to deformation and breakage in handling.

2,102,859
CHEESE SLICING AND DISPENSING APPARATUS
George W. Spousta, Oak Park, Ill.
Application May 15, 1937, Serial No. 142,846
14 Claims. (Cl. 31—21)

1. In a slicing machine the combination of a frame, parallel horizontal rail members adjacent

the upper end thereof, a cutter member therein positioned adjacent said rails, said cutter member having a diagonal blade, a removable gauge member, said gauge member having a diagonal forward edge, a plurality of spaced slots in the forward end of said frame, said slots adapted to receive said gauge member, gravity operated means for locking said gauge member in any of said slots,



a vertically disposed hopper journalled upon one of said rail members, said hopper having means resting upon the other of said rail members, and knife guards secured to said hopper, said hopper having a movable wall whereby forward pressure of said hopper during a slicing operation functions to securely grip material therein adjacent its lower end to hold the same during a slicing operation.

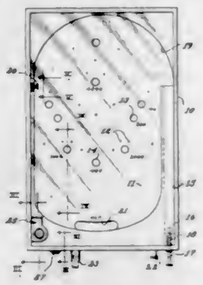
2,102,860

GAME APPARATUS

Harry B. Stoner and Karl Knickerbocker, Aurora, Ill., assignors to Stoner Mfg. Corp., Aurora, Ill., a corporation of Illinois

Application January 25, 1935, Serial No. 3,394

6 Claims. (Cl. 271—2.4)



1. In a game apparatus of the character described, means for issuing tokens in accordance with a player's score, said means comprising a feed wheel adapted when advanced to feed a ticket strip, latch means normally opposing forward and reverse movements of the wheel, a movable arm operable from a normal position to advance the wheel to a ticket issuing position, the latch means opposing forward movement of the wheel being released by the initial movement of said arm, the wheel in ticket issuing position being again latched against further forward and reverse movements until said arm is again actuated in a wheel advancing direction, spring means to return the arm to its normal position, power means operable to move the arm in a wheel advancing direction, and auxiliary means latching the wheel against reverse movement to normal position, once the wheel has started its advancing movement toward a ticket issuing position.

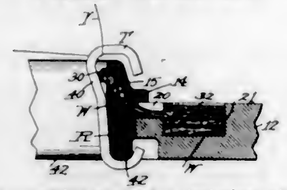
2,102,861

LUBRICATED TWISTER RING

Henry B. Stuart, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Application February 4, 1937, Serial No. 124,145

1 Claim. (Cl. 118—59.5)



In the combination of a twisting ring having a vertical flange with a smooth continuous inner face and a traveler having bearing engagement with the lower part of said inner face of said ring but having its upper part disposed at an angle to said lower part and inclined inwardly and upwardly and spaced from the upper part of said inner face, that improvement which consists in providing a pair of adjacent but circumferentially spaced passages in said ring extending upward and inward through the upper part thereof to said inner face, an oil wick threaded in said spaced passages and having an intermediate connecting portion thereof extending between the inner ends of said spaced passages and lying against the upper portion of said continuous inner face of said ring and positioned to be lightly engaged by the inclined and spaced portion of said traveler as said traveler rotates on said ring, and means to supply oil to said wick.

2,102,862

METHOD OF REINFORCING A MILK-CAN NECK

Lee Sturges, Elmhurst, Ill., assignor to Solar Sturges Mfg. Co., Bellwood, Ill., a corporation of Illinois

Application December 24, 1936, Serial No. 117,546

5 Claims. (Cl. 113—120)



1. A method of reinforcing the neck of a milk can or like article to prevent distortion due to rough use, including the steps of forming the can neck as a cylinder, forming a hoop with its upper margin flared, applying the hoop about the cylindrical neck with the upper margin of the hoop spaced downwardly from the upper margin of the neck, beading the portion of the neck above the hoop over the flared margin of the hoop, and then expanding the upper portions of the neck and hoop outwardly between the margins of the hoop to form a seat for a substantially flat lid.

2,102,863

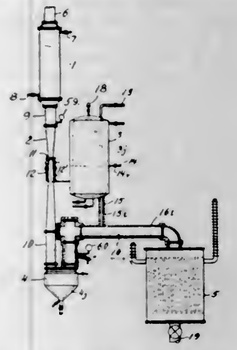
MANUFACTURE OF PARTIAL OXIDATION PRODUCTS

Guy W. Talbert, Summit, N. J., and John D. Kerr, Forest Hills, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York

Application November 6, 1933, Serial No. 696,802

8 Claims. (Cl. 260—123)

1. In the conversion of a normally solid organic vaporizable substance to partial oxidation products by catalytic oxidation in the vapor phase with an oxygen-containing gas, the method of forming a vaporous reaction mixture of the oxygen-containing gas and vapors of said substance which comprises passing a stream of the oxygen-containing gas through a Venturi pipe, maintaining a body of said substance in molten condition, drawing said substance from said body into



said stream of oxygen-containing gas by the suction created by said stream in passing through said Venturi pipe and forming a vaporous reaction mixture, maintaining the surface level of said body substantially constant, and maintaining a substantially constant pressure on said body of said substance.

2,102,864

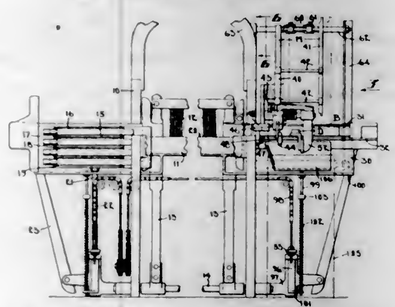
SUPPORT FOR WEFT REPLENISHING MAGAZINES

Irving H. Verry, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 15, 1936, Serial No. 74,519

Renewed September 16, 1937

10 Claims. (Cl. 139—232)



1. In a loom, a lay, a reserve weft magazine, a foot forming part of the magazine, means to secure the foot to the frame of the loom in a position to support the magazine in transferring relationship with respect to the lay when the latter is forward, an additional support behind the lay to engage the foot when the magazine is in inoperative position, and a pivotal support for the upper part of the magazine located behind the lay and around which the magazine is capable of swinging from the first named position to an inoperative position relatively to the lay, said pivotal support and additional support located to maintain the magazine behind the lay.

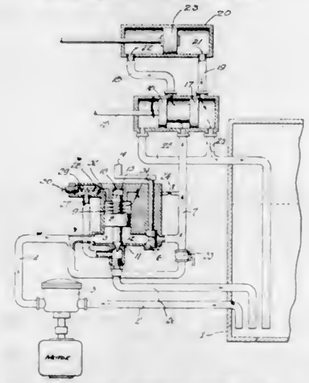
2,102,865

COMBINED FLOW CONTROL AND RELIEF VALVE

Harry F. Vickers, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application June 20, 1934, Serial No. 731,470

5 Claims. (Cl. 60—52)



1. In a hydraulic power transmitting system, the combination of a work member shiftable by liquid under pressure, a constant displacement pump, a reservoir, and a combined pressure flow control and relief valve unit connected in between said pump and work member, means for directing the liquid from said pump to and from said work member to control the directional operation thereof, said valve unit including a chamber for receiving liquid under pressure from said pump, a variable orifice valve member positioned between said chamber and operating line to said work member, and piston valve means forming an integral part of said unit and having a valve connected to said reservoir and a piston having one effective surface and hydraulically connected to one side of said orifice valve member and another surface connecting the pressure line to the work member for simultaneously maintaining the flow rate to said work member and varying the operating pressure in said chamber proportionately to the actual pressure required to overcome the resistance of the work member for regulating and maintaining the flow rate to said work member to predetermine and then maintain the speed of said work member at any part of its movement, and maximum pressure relief means connecting one side of said piston to the reservoir and actuated by relative pressure on opposite sides of said piston to determine the flow of liquid entirely through said orifice valve or at least partly past said piston valve.

2,102,866

CHILLING DEVICE

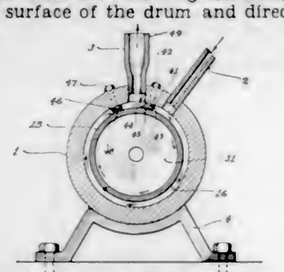
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application August 15, 1935, Serial No. 36,415

16 Claims. (Cl. 257—96)

1. A chilling device of the class described including a cylindrical shell, inlet and outlet means in said shell for the introduction and removal of a fluid product to be chilled therein and a rotatable drum arranged in spaced relation within said shell, said drum being provided with inlet and outlet means for the passage of a chilling medium

therethrough, and a scraping element rigidly mounted in fixed spaced relationship to the surface of the drum for removing solidified product from the surface of the drum and directing the



same through the outlet in the shell, said scraping element providing a surface relative to the shell inlet for directing fluid as introduced into the shell in the direction of rotation of the drum.

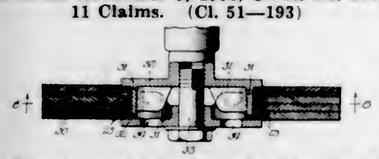
2,102,867

BUFFING WHEEL AND METHOD OF MANUFACTURE

John F. White, Bloomington, Ill.

Application November 5, 1936, Serial No. 109,231

11 Claims. (Cl. 51—193)



6. An open-center buffing-wheel textile-fabric member comprising in combination a confining-ring, a plurality of overlying textile-fabric layers extended through, folded over opposite sides of, and circularly confined by, said ring, the parts of said layers adjacent to said ring being gathered to absorb fullness, the inner gathered portion of said open-center member being hard and permanently transversely corrugated to provide ventilating passages.

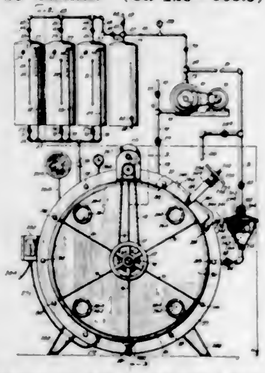
2,102,868

LIGATURE TREATING APPARATUS

Arthur L. Waugh, Chicago, Ill.

Application October 7, 1933, Serial No. 692,643

23 Claims. (Cl. 128—335.5)



1. Apparatus of the character described comprising a housing closed to the outer air, means rotatable in said housing, and a plurality of carriers for ligature receptacles mounted on said rotatable means, said carriers comprising a detachable portion in which said receptacles are adapted to be mounted.

2,102,869

ZINC ALLOYS

Herbert Winter, Buchschlag in Hessia, Germany, assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 18, 1937, Serial No. 159,711. In Germany August 26, 1936

1 Claim. (Cl. 75—178)

An extruded zinc alloy consisting of 10 to 15% aluminum, 1.5 to 4% copper and 0.01 to 0.04% magnesium, the balance being zinc having a purity of at least 99.98%.

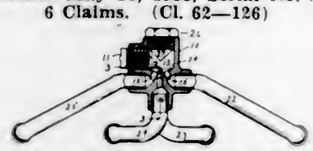
2,102,870

EVAPORATOR

Ernst Witzel, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.

Application May 16, 1935, Serial No. 21,769

6 Claims. (Cl. 62—126)



2. In a device of the class described, comprising an evaporator having a number of coils, a refrigerant distributing head having a chamber and an inverted cone shaped seat in its bottom, outlet orifices closely spaced around the apex of said seat, each having an outlet connection to the inlet end of one of said coils, an inlet to said chamber adapted to receive the refrigerant, whereby the refrigerant is metered into said coils and permitted to expand thereafter.

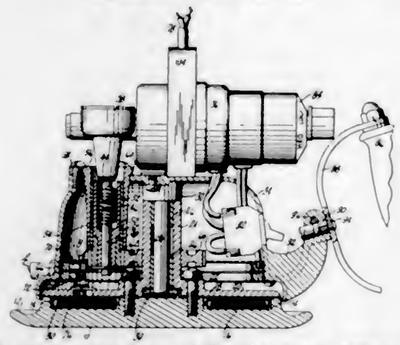
2,102,871

ELECTRIC ROTARY LAUNDRY IRON

Alfred F. Yoerg, Des Moines, Iowa, assignor of one-half to Harry Schlesinger, Des Moines, Iowa

Application August 20, 1935, Serial No. 37,001

6 Claims. (Cl. 219—25)



2. In a rotary iron of the character described, an inverted, cup-shaped casing, a manipulating handle member thereon, a post projecting downwardly from the top thereof, a sole plate, a hub projecting upwardly therefrom and rotatably receiving said post, electric means for heating said sole plate, collector ring and brush means for supplying electric current to said sole plate from said casing and an electric motor carried by said casing for rotating said sole plate.

2,102,872

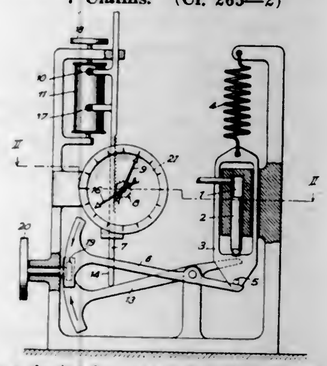
MEASURING DEVICE, PARTICULARLY FOR MACHINES FOR TESTING MATERIALS

Alfred J. Amsler, Schaffhouse, Switzerland

Application September 5, 1936, Serial No. 99,646

In Switzerland March 26, 1936

7 Claims. (Cl. 265—2)



1. In a device for measuring the extreme values of periodically repeated loadings, particularly for machines for testing materials, a measuring spring having one end fixed and being subjected at its other end to the fluctuating loadings, stops connected with said other end, two pivotal feeler levers cooperating with said stops to be rocked thereby in opposite directions of rotation into end positions corresponding to two limits of loading of the extreme values to be measured, a drive cooperating with said feeler levers by frictional engagement therewith for rocking each lever in the direction opposite to the rocking movement imparted thereto by its correlated stop, measuring means associated with said feeler levers, and means for transmitting all said rocking movements of said levers to said measuring means.

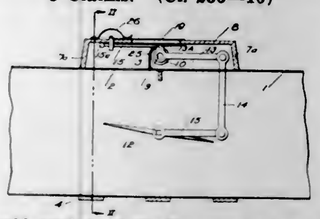
2,102,873

AUTOMATIC DRAFT CONTROL

Clayton G. Anderson, Portland, Oreg., assignor of forty-nine percent to Charles P. Dougherty, Portland, Oreg.

Application January 2, 1936. Serial No. 57,090

5 Claims. (Cl. 236—16)



1. A self-contained draft control apparatus for attachment to a furnace pipe, comprising a frame to surround a pipe, a pipe damper therein, a thermostat chamber within said frame, a thermostat mounted in said chamber, a check draft positioned to admit outside air above the damper and transmission means interconnecting the thermostat, the damper and the check draft for constant cooperative movement of the damper with the thermostat and a lost motion in said transmission to effect intermittent movement of the check draft at a predetermined high temperature.

2,102,874

BUTTER-SUBSTITUTE MIXING AND MOLDING DEVICE

Ralph R. Auerswald, San Diego, Calif.

Application January 24, 1936, Serial No. 60,587

4 Claims. (Cl. 31—35)



3. In a butter substitute mixing and molding device, a hollow square in cross section cylinder member provided with a chamfered end provided with perforations in said chamfered end, a plunger reciprocally mounted in said cylinder, and spring latch means for holding said plunger in certain position in said cylinder, said spring latch means also serving as a cutter over the perforated end of said cylinder.

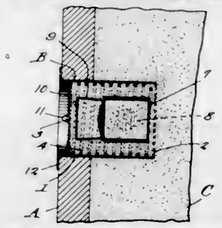
2,102,875

ROSIN SAMPLER

Lewis T. Baker, Jacksonville, Fla.

Application March 27, 1936, Serial No. 71,329

5 Claims. (Cl. 220—85)



1. A sampler including a tubular shield open at its ends, one of said ends being insertable into an opening in a barrel for snug engagement therewith, thereby to be supported rigidly within the barrel, a coil removably mounted in the shield and supported and guided thereby, a box in the coil, and a closure for the outer end of the shield.

2,102,876

HEATING OF FLUIDS

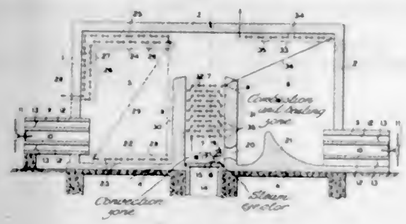
Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 30, 1933, Serial No. 695,765

6 Claims. (Cl. 196—47)

6. A heating apparatus comprising a furnace having a pair of independently fired combustion

and heating zones and an additional heating zone communicating with both said combustion zones, a fluid conduit comprising serially connected heating tubes in one of said combustion zones, a second fluid conduit comprising serially connected heating tubes disposed in the other of said combustion zones and in said additional



heating zone, means for passing combustion gases from both said combustion zones over the tubes in said additional heating zone, and means for continuously recirculating a regulated portion of the combustion gases having passed over the tubes in said additional zone from the latter zone to said other combustion zone.

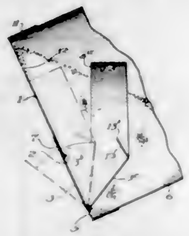
2,102,877

DEVICE FOR DISPENSING MEASURED QUANTITIES OF DIVIDED SOLID MATERIAL

Edward J. Barnett, Compton, Calif.

Application October 26, 1936, Serial No. 107,616

3 Claims. (Cl. 221—98)



1. A device for dispensing a measured quantity of divided solid material from a container, which comprises: a container wall member provided with an opening; an open-ended hopper member disposed within said opening and provided with pivotal attachment to said wall member at the side of said hopper opposite said open end, said hopper member being movable from a position substantially wholly to one side of said wall member to a position at least partly to the other side of said wall member, whereby, when said container wall member is in position with respect to a container, said hopper member may be moved between inner and outer positions in which the open end thereof is respectively positioned wholly within said container and at least partly outside said container; and guide members secured to one of the two first-mentioned members adjacent the open end of said hopper member and cooperating with said container wall member to define a material-receiving space, said guide members being so disposed as to direct material from said space into the hopper member.

2,102,878

TREATMENT OF HYDROCARBON OILS

Wayne L. Benedict, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application May 23, 1936, Serial No. 81,509

7 Claims. (Cl. 196—44)

1. A process for removing copper compounds from copper-sweetened hydrocarbon oils which comprises treating the copper-sweetened oil with a solid sulfide of a heavy metal above hydrogen in the electro-chemical series.

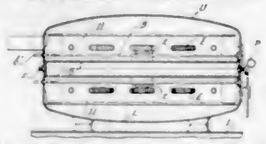
2,102,879

SANDWICH TOASTER WITH INTERCHANGEABLE GRIDS

Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 27, 1936, Serial No. 112,898

16 Claims. (Cl. 53—10)



1. An electric toaster or the like comprising an upwardly open casing section having a slot in a side thereof; a grid releasably fitted on the mouth end of the said section, and means for releasably latching the thus fitted grid to the casing section; the said means comprising a latch element depending from the grid, and a latch member supported by and within the casing below the grid; the latch member having a digitably manipulable portion accessible from the exterior of the casing, and being horizontally movable to and from a position in which a part of the latch member bears downwardly on the latch element on the grid which at that time is fitted on the said casing section.

2,102,880

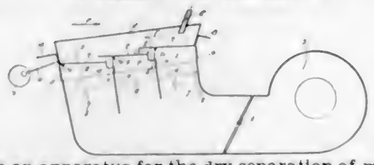
APPARATUS FOR DRY SEPARATION OF MATERIALS OF DIFFERENT DENSITIES

Francois Jacques Berry, Lille (Nord), France, assignor to Ateliers et Chantiers De La Manche, Dieppe, France, a corporation of France

Application January 20, 1934, Serial No. 707,447

In France January 21, 1933

1 Claim. (Cl. 209—467)



In an apparatus for the dry separation of mixed substances of different densities, a plurality of juxtaposed compartments each comprising a frame with a perforated base and with each successive base overlapping and spaced above the preceding base, means for mounting the frame on an incline, means for vibrating the frames so as to advance the bottom layer of material up the incline while the top layer of material floats down the incline under the influence of gravity, means for supplying upwardly directed air currents through the perforated base, the end of the first

base furthest from the second base providing a discharge for the heaviest materials and the opposite end of the last base of the series providing a discharge for the lightest materials, and discharging troughs between each pair of frames, each trough being at the end of a base and underlying so as to be entirely covered over by a preceding base whereby material of intermediate density may discharge in said trough by working under the preceding base after being discharged from said preceding base.

2,102,881

FRICTIONAL WIRE CONNECTER

Jasper Blackburn and James A. Weaver, Jr., Webster Groves, Mo.

Application December 20, 1933, Serial No. 703,174

8 Claims. (Cl. 173—263)



1. In a device of the kind described, the combination with a threaded bolt longitudinally slotted, the slot being extended out at one end, of a nut threadedly engaging the bolt, the nut having an interior, circumferential groove or race cutting the threads thereof, a washer embracing the bolt at the inner face of the nut as so mounted, the washer having a bearing rib extended thru the slot of the bolt, and a looped brace within the bore of the nut adapted for movement within the slot of the bolt, the extremities of the brace being turned outwardly and disposed slidably within the said race of the nut, the bight of the brace being disposed inwardly thru the nut against the said bearing rib of the washer as a support therefor.

2,102,882

FUSE LINK

Eugene F. Boothe, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application April 12, 1937, Serial No. 136,285

8 Claims. (Cl. 200—117)



8. A fuse link assembly including an energy-carrying member, a fusible element electrically connected to said energy-carrying member, tubular insulating means mechanically connected to said energy-carrying member, a second energy-carrying member, a strain wire electrically connected to said fusible element and to said second energy-carrying member so as to be a fixed part of the normal electrical circuit through the fuse link assembly, means comprising a transversely extended pin formed of insulating material for mechanically connecting said strain wire to said tubular insulating means so as to relieve said fusible element of mechanical tensional strain, and a tubular element formed of electrical conducting material electrically connected to the first-mentioned energy-carrying member and embracing said tubular insulating means, said tubular insulating means and said tubular element having alined openings formed in the walls thereof, said tubular element being adapted on rupture of said fusible element to serve as a conductor for electrical energy whereby an electrical arc is produced which passes through the opening formed in said insulating means from the wall of the opening in said tubular element to the strain wire whereby said strain wire is severed by said electrical arc so as to allow the severed ends of the fusible element to be drawn apart.

2,102,883

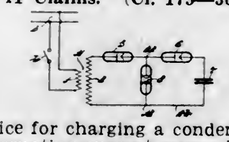
DEVICE FOR CHARGING CONDENSERS

Albert Bouwers, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands

Application November 22, 1935, Serial No. 51,166

In Germany December 6, 1934

11 Claims. (Cl. 175—363)



4. A device for charging a condenser comprising, an alternating current source having a primary circuit and a no-load voltage substantially greater than the operating voltage of the condenser, a rectifier to supply unidirectional charging current to the condenser, and means to interrupt the primary circuit of said current source when the voltage of the condenser reaches its operating value.

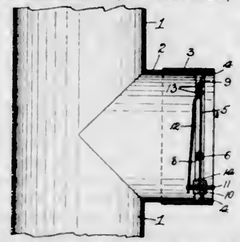
2,102,884

DRAFT REGULATOR

James L. Breese, Santa Fe, N. Mex.

Application February 19, 1937, Serial No. 126,571

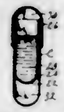
2 Claims. (Cl. 236—45)



2. An automatic draft regulator for ducts or the like which includes an inlet member adapted to communicate with said duct, a valve member pivoted in said inlet member and adapted when in one position substantially to close the inlet thereof, a thermostatic strip secured at one end

to said valve member and a weight supported on the free end of said strip, said thermostatic strip being positioned within the inlet member and being constantly exposed to temperature conditions within said duct, and being adapted thereby to move said weight in relation to said pivoted valve member, in response to temperature changes within said duct.

2,102,885
INDIVIDUAL COSMETIC CONTAINER STRUCTURE
John O. Carroll, Des Moines, Iowa
Application October 21, 1935, Serial No. 45,985
2 Claims. (Cl. 132—1)



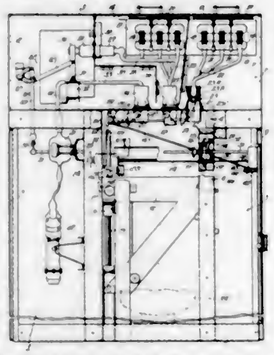
1. In an individual cosmetic container structure, an open top container for holding a sufficient quantity of cosmetic for use at one time, a shell and a cover therefor of a size to provide air chambers therein above and below said container when said shell is assembled on said container, said shell and cover being sealed relative to each other to prevent evaporation of the cosmetic from said container, said container being slidable within said shell and cover and snugly fitting the interior wall thereof to prevent flow of the cosmetic from said container to the air chamber within said shell below said container.

2,102,886
CONTAINER FOR PRESERVING EGGS
Norman G. Conner, Oakland, Calif.
Application August 31, 1936, Serial No. 98,642
1 Claim. (Cl. 229—1.5)



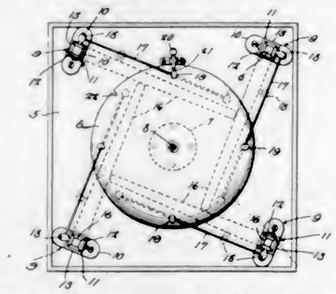
In combination, a container for an egg comprising a cylindrical fiberboard body, a metallic liner within and extending between the ends of said body, closures for the respective ends of said body each comprising a disk of metal having a channel-shaped peripheral rim in which an end of said body and said liner may be secured, one of said closures having a depressed portion therein to provide a socket in which an end of said egg may be seated, and the other of said closures having a sealable aperture therein through which air may be exhausted from said container, and means within said container for supporting said egg against movement therein, said means comprising a disk of sheet material within said body in peripheral contact with the inner surface thereof, said disk having a central aperture therein through which a portion of said egg may project, and a plurality of resilient tabs on said disk contacting the surface of said egg.

2,102,887
ELECTRICAL SWITCH GEAR
Elias S. Cornell, Evanston, and Charles A. Koerner and Roy A. Sternaman, Chicago, Ill., assignors to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois
Application June 9, 1934, Serial No. 729,820
12 Claims. (Cl. 175—298)



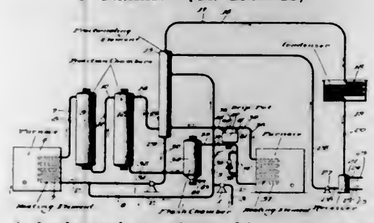
1. In combination, a feeder circuit, a transfer bus circuit, a main bus circuit, an oil circuit breaker of the lift type connecting said main bus circuit with said feeder circuit, means for connecting said transfer bus circuit to said feeder circuit in parallel with the main bus only when said circuit breaker is in raised and connected position, means for lowering said breaker, and means for raising said breaker and connecting it between said transfer bus circuit and said feeder circuit, said connecting means for said transfer bus circuit being disconnectable only when said breaker has been connected by said last named means between said feeder circuit and said transfer circuit.

2,102,888
BRIDGE TABLE
Claude S. Dill, Lodge Grass, Mont.
Application December 8, 1934, Serial No. 756,693
1 Claim. (Cl. 311—99)



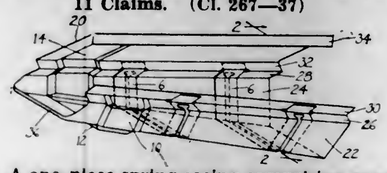
A bracket for securing a table leg to a table top, comprising a length of sheet metal material, portions of the sheet metal material being cut from the main portion thereof and extended rearwardly, providing spaced side walls and a vertical wall, a portion of the sheet metal material being extended in a horizontal position over the upper edges of the side walls and providing a base, slots formed in the base, ears rising from the upper edges of the side walls and adapted to extend into the slots where they are bent over the base, securing the upper edges of the side walls to the base, said base having openings to receive securing screws, and said bracket adapted to house the upper end of the table leg mounted within the bracket.

2,102,889
TREATMENT OF HYDROCARBON OIL
Carbon P. Dubbs, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 19, 1930, Serial No. 469,201
Renewed November 6, 1935
3 Claims. (Cl. 196—48)



1. A hydrocarbon oil cracking process which comprises passing the oil in a restricted stream through a heating zone and heating the same therein to a cracking temperature under sufficient pressure to maintain a substantial portion thereof in the liquid phase, discharging the heated oil into the upper portion of an enlarged reaction zone maintained under cracking conditions of temperature and pressure and passing the commingled vapors and liquid oil downwardly therethrough, withdrawing the vapors and liquid unvaporized oil as a mixture from the lower portion of the reaction zone and maintaining practically no liquid level in the reaction zone, separating the mixture withdrawn from the reaction zone into vapors and unvaporized oil and flash distilling the unvaporized oil by pressure reduction, subjecting vapors formed by the flushing of the unvaporized oil to a gasoline-producing vapor phase cracking operation at vapor phase cracking temperature, dephlegmating the vapor phase cracked vapors in admixture with the vapors removed from the reaction zone to condense insufficiently cracked fractions of the commingled vapors and returning resultant reflux condensate to the heating zone, and finally condensing the dephlegmated vapors.

2,102,890
SPRING COVER
Warren F. Eisenhauer, Watertown, Mass., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application October 8, 1935, Serial No. 44,034
11 Claims. (Cl. 267—37)

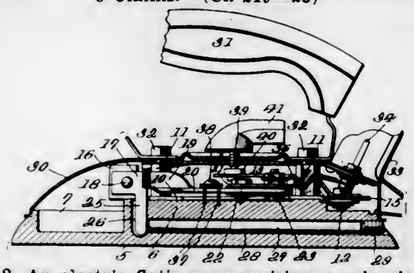


1. A one-piece spring casing comprising spaced sections engaging three sides of a spring, a cover for the fourth side integrally connected with said sections by a slack take-up device, said sections also integrally connected with a reversely turned flange on said fourth side, a complementary flange on said cover to engage said reversely turned flange, said flanges arranged to bindingly engage each other and said take-up device arranged to draw said sections closer about said spring when said cover is moved toward said spring.

2,102,891
MATERIAL FOR ARC WELDING
Lionel E. Faulkner, Hillside, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, a corporation of New York
No Drawing. Application July 7, 1934, Serial No 734,207. Renewed June 5, 1937
7 Claims. (Cl. 219—8)

5. An electrode for arc welding consisting of a metallic rod having a coating comprising from 17% to 78% titanium dioxide, from 13% to 52% silica and from 0% to 33% alumina and/or from 0% to 33% magnesium oxide, the total relative proportion of the last two ingredients being from 8% to 33%.

2,102,892
ELECTRIC FLATIRON
Maurice F. Fitzgerald, Winsted, Conn., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a corporation of Connecticut
Application July 28, 1936, Serial No. 93,074
5 Claims. (Cl. 219—25)

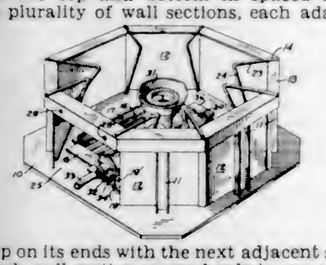


2. An electric flatiron comprising a sole plate having a heating means therefor, a supporting plate mounted on said sole plate, a lever pivotally mounted intermediate the ends thereof on said supporting plate and having a switch contact carried by one arm thereof, a switch arm mounted on said supporting plate and having a switch contact cooperating with the switch contact carried by said lever, an expansion bar disposed in direct thermal relation with said sole plate and cooperating with the other arm of said lever to actuate the lever about its pivotal axis whereby to open and close the said switch contacts upon expansion and contraction of said bar, a cover removably secured to said sole plate independently of said supporting plate, means carried by said cover and removable therewith for adjusting the relative position of the contact points whereby to control the temperature setting of the flatiron, and means detachably securing said supporting plate to said sole plate whereby the assembled supporting plate, lever, and switch arm may be removed or applied as a unit.

2,102,893
STOVE
Percy M. Forster, Berkeley, Calif.
Application September 15, 1936, Serial No. 100,886
5 Claims. (Cl. 126—36)

1. A combination wood and gas stove comprising a substantially flat base, having a central cut out portion therein and bars fastened across said opening, a substantially flat centrally apertured top member, and vessel supporting bars extend-

ing inwardly a short distance from the sides, a plurality of supporting members securing together the top and bottom in spaced relation, and a plurality of wall sections, each adapted to



overlap on its ends with the next adjacent sections and each wall section secured only to one supporting member, whereby said sections may move freely on one another as they expand or contract under the influence of the heat.

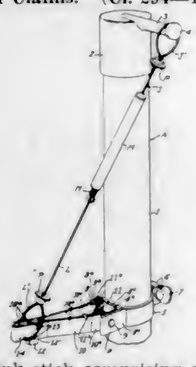
2,102,894

FUSE LINK STICK

Charles Adin Fox, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application October 26, 1936, Serial No. 107,725

11 Claims. (Cl. 294—19)



1. A fuse link stick comprising a pole, an element mounted on said pole and adapted to engage an end portion of a fuse link, a second element mounted on said pole in spaced relation with respect to the first mentioned element and adapted to engage the other end portion of the fuse link, and means for moving a part of said second element in a direction away from the first-mentioned element so as to hold the fuse link engaged by said elements under tension.

2,102,895

MEANS FOR DRIVING AND GUIDING FILM

Harold J. Hasbrouck, Jr., Flushing, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application June 27, 1935, Serial No. 28,648

4 Claims. (Cl. 271—2.3)



4. In a film guiding mechanism, the combination of a roller having a width substantially comparable to the width of film adapted to be advanced thereover and a fixed axis of rotation, a pair of rotatable rollers each having a width comparable to the edges of the film having no images thereon, means for mounting said rollers for exerting pressure on said film at said portions having no images thereon and against said first roller, and positive vernier means for adjusting the axes of rotation of said rollers with respect to the axis of rotation of said first roller.

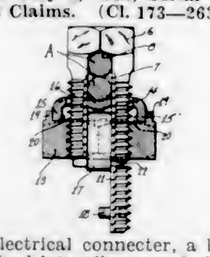
2,102,896

ELECTRICAL CONNECTER

Walter A. Heinrich, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application May 4, 1934, Serial No. 723,813

3 Claims. (Cl. 173—263)



1. In an electrical connecter, a body member including paired laterally spaced shanks, one of said shanks having a threaded continuation extending beyond the end of the other shank, a nut on said shanks, a washer carried by said nut, said washer having a diametral bridge overlying one end face of said nut, and paired fingers extending through the bore of said nut adapted to maintain said nut and washer in assembled relation, means on said nut for maintaining said nut and washer in coaxial relation, and means on said continuation, cooperable with said bridge for preventing removal of said nut and washer assembly from said body member.

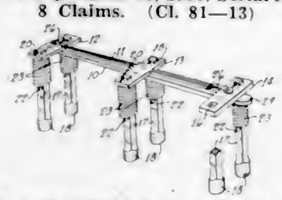
2,102,897

BOLT-SETTING TOOL

Michael Holhut, Jennings, Mo., assignor to H & H Machine & Motor Parts Co., St. Louis, Mo., a corporation of Missouri

Application September 16, 1936, Serial No. 101,004

8 Claims. (Cl. 81—13)



1. In a bolt-setting tool, a frame having a central-member and a plurality of cross-arms disposed at right angles to the central-member, means on the frame for releasably securing the frame to an automotive cylinder block, and a plurality of bolt-engaging stems yieldingly and non-rotatively mounted in each of the cross-arms for registration with the several bolt-openings in the block.

2,102,898

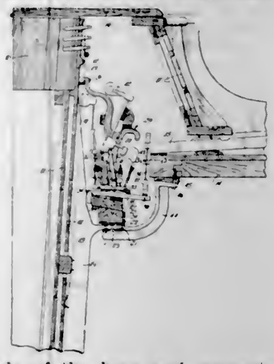
PIANO

Albert A. Huseby, Oak Park, Ill.

Application October 21, 1936, Serial No. 106,716

10 Claims. (Cl. 84—240)

1. In a piano of the type described, the combination with the string plate and strings, key bed and keys fulcrumed intermediate their ends, and an action including wippens located below the level of the keys, a wippen-actuating means comprising levers pivotally supported at their rear ends by the string plate beneath the wippens, tension abstracts directly suspended from the



inner ends of the keys and connected at their lower ends to the forward ends of said levers, and wippen contact members carried by said levers located intermediate the ends thereof.

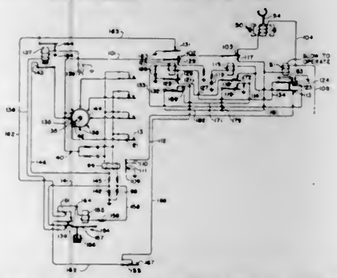
2,102,899

PRINTING TELEGRAPH SYSTEM AND APPARATUS

Edward E. Kleinschmidt, Highland Park, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application April 25, 1936, Serial No. 76,357

27 Claims. (Cl. 178—35)



1. In a step-by-step synchronous printing system including a series of stations, a combination transmitting and receiving apparatus at each station, each comprising a plurality of character keys, normally closed contacts associated with each key, a shaft carrying a type wheel, commutator arm, and synchronizing arm thereon, an electromagnetic device responsive under certain predetermined operating conditions to alternations of current for rotating said shaft step by step while said contacts remain closed, said shaft rotatable under said conditions until checked by the opening of the contacts by its associated key, and means associated with one of said stations effective cyclically irrespective of the character selecting function to synchronize said apparatus.

2,102,900

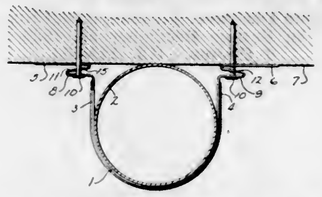
RESILIENT CONDUCTOR FASTENING

William Konkel, Milwaukee, Wis., assignor to Milcor Steel Company, Milwaukee, Wis., a corporation of Delaware

Application April 20, 1936, Serial No. 75,439

2 Claims. (Cl. 248—74)

2. A fastening means for articles such as conductors, conduits and the like including a metallic strap having an intermediate portion for engaging the article and end parts respectively at opposite ends of said intermediate portion and each apertured to receive a fastener such as a nail, each end part providing spaced parallel



abutment portions respectively for the nail head bearing and for a wall surface bearing and an intermediate resilient portion adapted for distortion in a manner to maintain the parallel relationship of the abutment portions at various spacings thereof.

2,102,901

INSERT FOR RUBBER HEELS OR THE LIKE

Laurits A. Laursen, Akron, Ohio, assignor of one-half to Theophilus Karmaghan Seiberling, Akron, Ohio

Application April 11, 1932, Serial No. 604,549

2 Claims. (Cl. 36—35)



2. A reinforcing insert for use in molded composition shoe heels comprising a flat sheet metal body having a nail receiving opening therein, said body having recesses spaced around the nail opening, said recesses having constricted openings extending outwardly through the outer edge of the body.

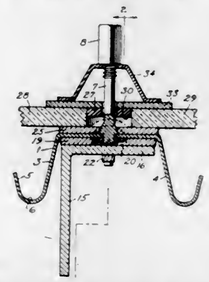
2,102,902

SKYLIGHT CONSTRUCTION

George Henry Lenke, Elmhurst, Ill., assignor of one-half to Julius J. Ohlis, Oak Park, Ill.

Application January 28, 1937, Serial No. 122,848

6 Claims. (Cl. 108—16)



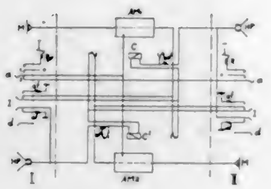
6. In skylight construction the combination of a supporting frame member; a gutter plate; an anchor bolt secured to said gutter plate; independent means to secure said gutter plate to said member; glasses mounted on opposite sides of said bolt; and bolt engaging means for holding said glasses to said plate.

2,102,903

LOUD-SPEAKING AND AMPLIFIED MICROPHONE TELEPHONE EXCHANGE

Emile Leveque, Paris, France, assignor to firm Le Telephone Prive National Société Anonyme, Paris, France, a corporation of France

Application December 27, 1934, Serial No. 759,407
In France December 30, 1933
9 Claims. (Cl. 179—1)



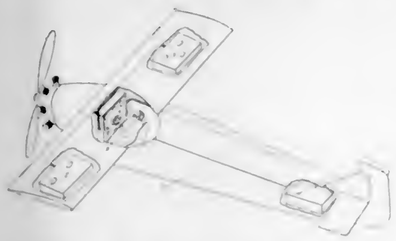
1. A telephone system comprising a plurality of stations, each including a transmitter and a loud-speaking receiver, a circuit including an amplifier connecting the transmitter at one station with the receiver at a second station, a second circuit including an amplifier connecting the transmitter at the second station with the receiver at the first station, a relay, a relay-opened switch in each circuit, the relay in one circuit controlling the switch in the other circuit, whereby, upon energizing the relay in one circuit, the switch in the other circuit will be opened to break the last-recited circuit, a manually-controlled interrupting switch at the station including the transmitter of the first-recited circuit, a circuit including said interrupting switch and shunted across the switch in said first-recited circuit, a second manually-controlled interrupting switch at the second station, and a circuit including said second interrupting switch and shunted across the switch in said second circuit.

2,102,904

RADIO RECEIVING SYSTEM FOR AEROPLANES

Sol J. Levy, New York, N. Y.

Application February 20, 1929, Serial No. 341,295
1 Claim. (Cl. 250—20)



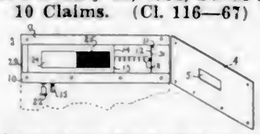
A radio receiving system for aircraft having the radio frequency portion thereof remotely situated from the operator's instrument panel in one wing of said plane, the audio amplifying stage of said set similarly situated and balanced in an opposite wing of said plane, said radio frequency portion being tuned by means controlled from said panel, said audio amplifier being controlled from said panel, said panel having visible dial indication means for showing the wave length to which said set is tuned.

2,102,905

SIGNALING APPARATUS

Frank B. MaGee, West Hollywood, Calif., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware

Application February 23, 1934, Serial No. 712,585
10 Claims. (Cl. 116—67)



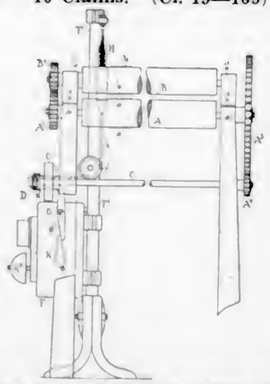
3. Signal apparatus for facilitating the recording of start marks on separate sound and picture film records comprising a support, a movable member mounted on said support, a resilient member interconnecting said support and said movable member, means for releasably securing said movable member under control of said resilient member, and a signaling device carried by said movable member, said support comprising means emitting an audible signal upon release and contact therewith of said movable member.

2,102,906

MEANS FOR DETECTING METALLIC AND OTHER SUBSTANCES IN TEXTILE OR FIBROUS MATERIAL

Thomas Merchant, Castleton, England

Application September 21, 1936, Serial No. 101,819
In Great Britain December 6, 1935
10 Claims. (Cl. 19—165)



1. Means for detecting metallic substances in textile material comprising a pair of driven rollers set apart and arranged in an electric circuit and fine metal projections on the surface of the rollers adapted to penetrate the material and engage any metallic substance therein thereupon establishing the circuit and stopping the travel of the material.

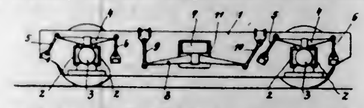
2,102,907

DAMPING THE OSCILLATIONS OF VEHICLES, IN PARTICULAR RAIL VEHICLES

Otto Mylius, Berlin, Germany, assignor to Deutsche Getriebe Gesellschaft mit beschrankter Haftung, Berlin, Germany

Application November 26, 1935, Serial No. 51,683
In Germany April 27, 1934
4 Claims. (Cl. 105—224)

1. In a car truck, a side frame having a vertical guide slot therein, a load-carrying device mounted in the guide slot to move vertically therein under varying load conditions, and suspension means connecting the load-carrying device with the side frame; said suspension means comprising a member extending longitudinally of the side frame and bearing at an intermediate part thereof against the load-carrying device, and shackle members arranged asymmetrically on opposite sides of the load-carrying device and respectively connecting the ends of the longitudinally extending member with the side frame; the said suspension means comprising said longitudinally extending member and said shackle members having at least one of said members providing a resilient connection with the cooperating members of said suspension means, and said suspension means operating to provide a force component normally tending to press the load-carrying device frictionally against a side of the guide slot to dampen relative movement of the load carrying device with respect to the side frame.

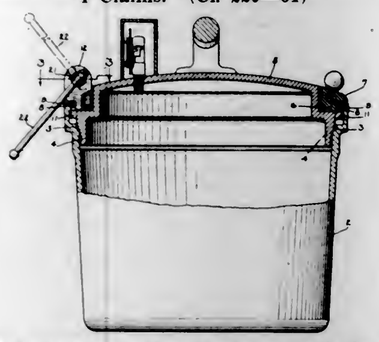


2,102,908

PRESSURE COOKER

Carl Nelson, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin

Application August 19, 1935, Serial No. 36,874
4 Claims. (Cl. 220—61)



1. A pressure cooker comprising a body provided with a suitable closure, a split lock ring engageable with the closure and having means for wedgingly engaging means on the cooker body to secure the closure thereto, a stud having right and left hand threaded terminals, threaded elements adjustably mounted in the ends of the lock ring and having threaded apertures for receiving the threaded terminals of the studs whereby rotation of the stud will contract or expand the ring, said threaded elements providing means whereby the gap between the ends of the lock ring may be varied without relatively rotating the stud, thereby to compensate for wear in the parts, so that the lock ring may be expanded to tightly secure the cover to the cooker body by only slightly rotating the stud.

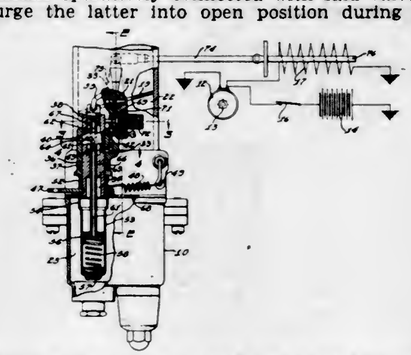
2,102,909

INTERNAL COMBUSTION ENGINE

Clyde R. Paton, Birmingham, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 1, 1933, Serial No. 654,608
9 Claims. (Cl. 123—179)

1. In a fuel feeding system for engines, the combination with a throttle valve, of priming means operatively connected with said valve to urge the latter into open position during the priming of said engine, and engine starter mechanism connected to substantially close said throttle valve when effective.

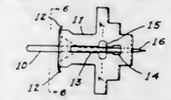


2,102,910

FEED GAUGE FOR PRINTING PRESSES

Eugene Payne, Chattanooga, Tenn.

Application December 28, 1936, Serial No. 117,731
6 Claims. (Cl. 101—415)



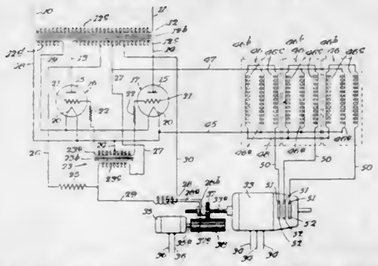
1. A device of the character described, comprising a body portion, a head secured to said body portion, a plurality of tongue receiving openings in said head, a prong for securing said head and body to a draw sheet, and a tongue adjustably secured to said body portion and extendable through either of said openings for engagement with printing stock.

2,102,911

MOTOR CONTROL SYSTEM

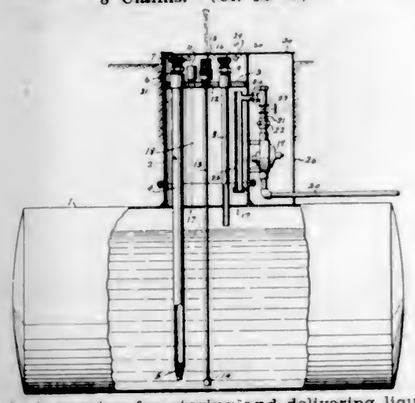
William R. Perry, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana

Application February 10, 1934, Serial No. 710,666
3 Claims. (Cl. 172—274)



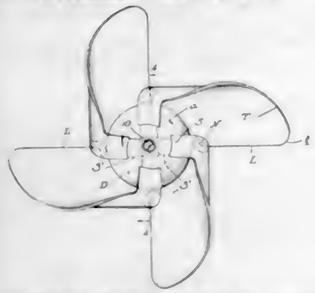
2. The combination in apparatus for controlling the speed of an alternating current motor, a circuit for said motor, an ionic relay, means for causing said ionic relay to vary the impedance of said motor circuit, a second motor running at constant speed adjacent said first named motor, and means for causing differences in the speeds of said motors to control the action of said ionic relay.

2,102,912
DISPENSING APPARATUS FOR LIQUEFIED GAS
Herbert C. Pittman, Tyler, Tex.
Application April 1, 1937, Serial No. 134,355
8 Claims. (Cl. 62—1)



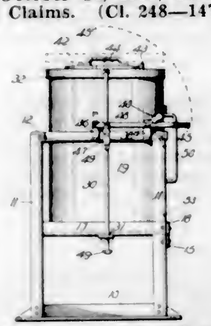
1. Apparatus for storing and delivering liquefied gas comprising a storage tank, a casing associated with the tank and containing a dry gas chamber connected into the tank, an anchor plate in the casing enclosing said chamber, a filler tube anchored to the casing and extending through said chamber and into the tank and terminating adjacent the bottom of the tank, a gas vent pipe anchored to the said plate and extended through the chamber and into the tank and terminating near the top of the tank, a pressure reducing regulator connected into said chamber and a service pipe connected to said regulator.

2,102,913
FAN WITH FLEXIBLE BLADES
Edward S. Preston, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1936, Serial No. 98,546
10 Claims. (Cl. 170—171)



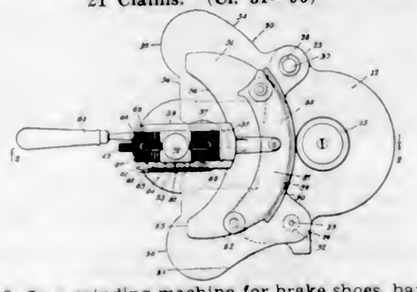
1. A pin-wheel type fan member comprising a blade-affording member formed from a sheet of flexible material and presenting counterpart wings symmetrically disposed about the center of the said member; a supporting stem including a circular flange coaxial with and bearing forwardly flatwise against the central portion of the blade-affording member; a forwardly convexed hollow dome coaxial with the said flange and having its mouth end engaging the forward face of the said central portion of the blade-affording member, the dome having equally spaced and similarly spiraling slots, equal in number to the said wings and at a common distance from the mouth end of the dome; each wing being recurved forwardly and thereafter toward the axis of the dome, and having the tip portion of the wing part adjacent to its trailing edge extending into the dome through one of the said slots; an inner clamping member detachably mounted on the said supporting stem and disposed within the dome and bearing forwardly against each of the said wing portions; and threaded means extending axially into the dome and supported by the said stem for pressing the dome rearwardly to cause the dome to clamp all of the said tips against the said clamping member.

2,102,914
GARBAGE CAN
George W. Rienks and Edward T. Guilford, Denver, Colo.
Application October 14, 1935, Serial No. 44,855
5 Claims. (Cl. 248—147)



1. A garbage can support and cover operating means comprising, a vertically extending frame having means for supporting a garbage can, the frame above the support having an opening through which the can may be removed, two rods slidably connected with the frame for vertical movement, the rods being positioned on opposite sides of the frame, a cover for the top of the garbage can, carried by the rods for vertical movement, a bail having its ends pivoted to the frame, and links connecting the rods to the bail whereby when the bail is turned about its pivots, it acts as a lever and raises and lowers the cover, the bail, when the cover is on the can, being positioned to close the opening in the frame.

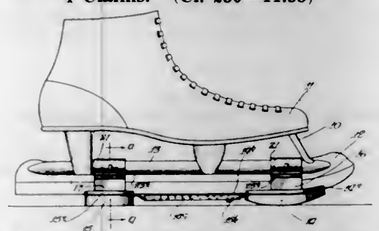
2,102,915
UNIVERSAL BRAKE SHOE GRINDER GUIDE
Luther C. Rishel, Los Angeles, Calif.
Application March 28, 1935, Serial No. 13,462
21 Claims. (Cl. 51—96)



3. In a grinding machine for brake shoes, having a pedestal, a grinding wheel mounted thereon,

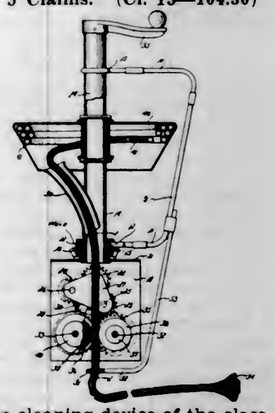
a fixed structure having an arm with a slot therein, a screw extending through the slot and having a stud threaded thereon, the screw being in radial alignment with the grinding wheel, a top plate having a second arm with a slot, an adjusting means engaging the said stud and the second arm, means to temporarily align said arms to bring the second arm into radial alignment with the grinding wheel, the said top plate having a convex curvature on its edge of a radius equal to the smallest radius of brake shoe to be ground, and means on the top plate to support a brake shoe on its edge, and a clamping means for the brake shoe, each of the arms having complementary scales, and a pointer means to indicate the radius of grinding a brake lining, the said scales being in alignment when the two arms are in radial alignment with the grinding wheel, the top plate having slide plates to support the brake shoe and complementary scales on the top plate and slide plates to indicate the radius of grinding of a brake lining.

2,102,916
ICE SKATES
Michael J. Rochford, Chicago, Ill.
Application March 27, 1936, Serial No. 71,274
4 Claims. (Cl. 280—11.38)



1. An attachment for ice skates including a ground tread unit below the skate runner, a divided receptacle for the latter, a hasp pivoted to one of the divisions and looped over the runner, and cam means operative to draw upon the hasp during the clamping action with the effect of tightening the hasp about the runner.

2,102,917
SEWER ROD
Samuel V. Rolland, Flint, Mich.
Application September 19, 1934, Serial No. 744,633
5 Claims. (Cl. 15—104.30)



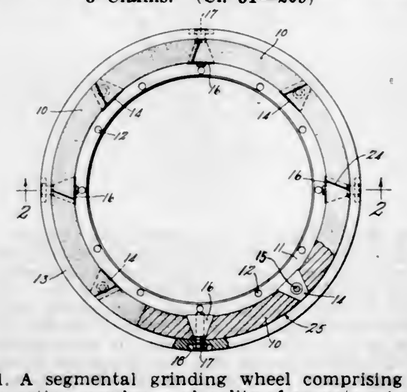
2. A pipe cleaning device of the class described comprising: a rotatable operating member; a hollow reel loosely mounted on said operating member concentrically thereof; an elongated flexible member windable into coils in said reel concentrically of said operating member and unwindable therefrom, said flexible element upon being unwound extending axially of said operating member; a supporting structure carried by said operating member and rotatable in unison therewith; a pair of feed members carried by said supporting structure and engaging opposite sides of said flexible element; means for operating said feed members upon rotation of said operating member for feeding said flexible element into and out of said reel during rotation of said operating member; and means for determining the direction of rotation of said feed members during the rotation of said operating member in one direction, said feed members being positioned axially of said operating member.

2,102,918
ART OF COMBINING RESORCINOL WITH IODINE
George Romanelli, Des Moines, Iowa
No Drawing. Application February 9, 1937, Serial No. 124,927
7 Claims. (Cl. 260—154)

1. The art of combining resorcinol with iodine which consists in dissolving resorcinol in an inert combustible solvent, then adding iodine to the solution, then spreading the solution out thin and igniting it, then breaking up the resulting mass and allowing further evaporation.

6. The art of combining resorcinol with iodine which consists in dissolving resorcinol in an inert combustible solvent in the approximate relative proportions of one gram of resorcinol to one milliliter of the solvent, then adding approximately one half gram of iodine to the solution, then spreading the resulting liquid thinly over a suitable surface and igniting it, then allowing it to cool, breaking it up with a non-metallic implement, and allowing further evaporation by exposure to air until the mass turns to a deep orange color and thereupon dissolving the mass in distilled water to a substantially saturated solution, then evaporating the resultant solution to an amorphous crystalline mass.

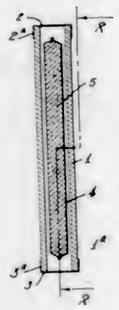
2,102,919
SEGMENTAL GRINDING WHEEL
Samuel Rusoff, Longmeadow, Mass.
Application March 11, 1937, Serial No. 130,297
3 Claims. (Cl. 51—209)



1. A segmental grinding wheel comprising a supporting member, a plurality of arcuate grind-

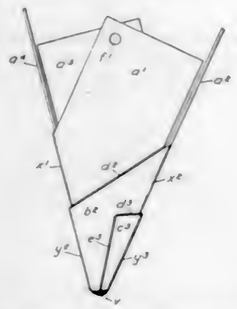
ing segments carried by the member, the segments having shouldered ends providing substantially abutting edges at their grinding surfaces and recessed end surfaces so shaped that the recessed end surfaces of adjacent segments converge away from the axis of rotation of the member, and means for securing said segments in place comprising means for restraining the segments at their outer peripheries and means for exerting an outward wedging action on said recessed converging end surfaces.

2,102,920
DRINK PREPARING MEANS
Eros M. Savage, San Jose, Calif.
Application August 10, 1936, Serial No. 95,192
5 Claims. (Cl. 99—138)



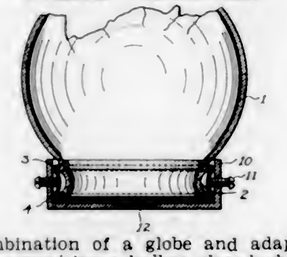
1. In a drink preparing means, a hollow tubular candy member, readily puncturable means for sealing the ends thereof, and a soluble acid and alkali positioned in said hollow candy member spaced from the walls thereof.

2,102,921
PILE SHOE
William C. Schmitt, Portland, Oreg.
Application July 25, 1936, Serial No. 92,621
6 Claims. (Cl. 61—78)



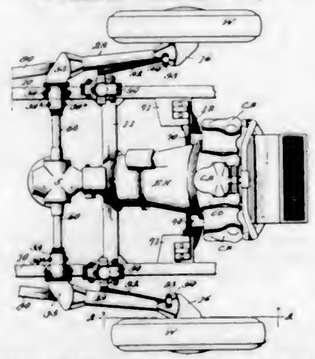
5. A metal pile shoe composed of a plurality of similar plates, each of said plates similarly preformed so as to have a tapering middle section and adjoining sections overhanging the inner face of said middle section, said plates partly nested one within the other with the middle section of each plate exposed on the outer surface of the pile shoe and with the adjoining sections of each plate secured to the middle sections of the adjacent plates.

2,102,922
METAL FITTING FOR GLASS GLOBES
Earl H. Schwab, Pittsburgh, Pa.
Application May 19, 1934, Serial No. 726,506
2 Claims. (Cl. 240—128)



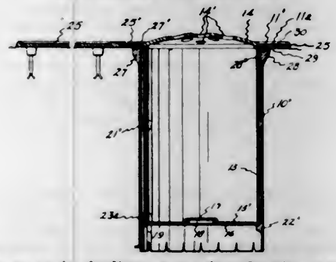
1. Combination of a globe and adaptor ring therefor comprising a hollow glass body open at one end having a neck portion at its open end, said neck being provided with a concavity, and a solid continuous metal ring having a convex portion adapted for alinement with the concavity of the globe neck and adapted to be sprung thereon, said ring being of lesser diameter than the globe neck whereby, when said ring is sprung on the globe neck, its seating surfaces will effect intimate contact, and the convex and concave portions of the ring and globe respectively will form an interlock.

2,102,923
DRIVING AND SUPPORTING ASSEMBLY FOR AUTOMOTIVE VEHICLES
Otto E. Szekely, Elmira, N. Y.
Application February 28, 1936, Serial No. 66,307
3 Claims. (Cl. 180—70)



1. A rear wheel drive and suspension for a vehicle having a load receiving structure, comprising a pair of rock arms, each having separable forward and rear heads and a connecting tube; independent wheels mounted in the rear heads for rotation; means located in the heads and tubes for driving the wheels; each forward head being individually pivotally mounted on the structure; independent springs fixedly attached at their forward ends to the said structure forwardly of the driving means and each attached at the rear end to a corresponding rock arm adjacent the rear end thereof by a connection effective for transferring relative vertical motion and permitting therewith flexing movement of the spring without substantial transfer of longitudinal forces along the corresponding spring, and motion-retarding means connecting the structure and rear heads for controlling the relative movements permitted by said springs, said motion-retarding means being constructed and arranged to be free of thrust therealong when the corresponding wheel and rock arm move relative to the structure.

2,102,924
VASE
Albert R. Thomas, Phoenix, Ariz.
Application July 23, 1936, Serial No. 92,239
11 Claims. (Cl. 47—41)



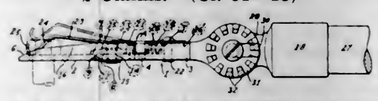
1. A vase including, a casing having an open upper end, a receptacle slidably mounted within said casing, a lug located at substantially the mid-portion of the casing within the same, means on the lower end of the receptacle for engaging said lug, whereby the receptacle is supported within the casing so that a portion of the receptacle extends from the upper end of said casing, the receptacle having an outer diameter less than the inner diameter of the casing whereby said receptacle may undergo a tilting movement so as to disengage the means from said lug to permit the receptacle to be lowered to its lowermost position, and means at the lower end of the casing for engaging the first named means on the lower end of the receptacle to hold the receptacle in its lowermost position in the casing.

9. The combination with a marker plate having an opening therein, of a vase having means for securing said plate thereto after the vase is embedded in the ground.

2,102,925
METAL COLORING
Cortes Neal Sprankle, Oak Park, and Edward John Golec, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
No Drawing. Application August 5, 1936, Serial No. 94,423
4 Claims. (Cl. 148—6.5)

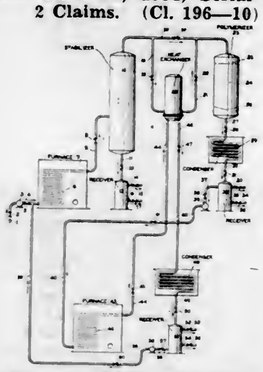
1. A composition of matter for the coloring of metal, comprising a dilute aqueous solution of mercury bichloride and potassium chlorate, acidified with nitric acid.

2,102,926
PIN AND BOLT HOLDER
Melvin T. Tipsord, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application September 16, 1935, Serial No. 40,730
2 Claims. (Cl. 81—13)



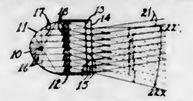
1. A bolt or pin holder comprising a pair of jaws having opposed seats between which a bolt or pin may be gripped, one of said jaws being fixed and being reduced forwardly of its rear end to a width corresponding substantially to the width of the other jaw, the other jaw being located in the same plane as the fixed jaw and being pivoted intermediate its ends to said fixed jaw, a single handle for the device which is secured to the fixed jaw, spring means that tends to move a portion of said movable jaw toward said fixed jaw, and yieldable means comprising a leaf spring for engaging a portion of a bolt or pin gripped between said jaws, said jaws being provided with curved forward edge portions so as to facilitate passage of a bolt or pin between said jaws.

2,102,927
TREATMENT OF HYDROCARBON GASES
Hans Tropsch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 22, 1934, Serial No. 731,796
2 Claims. (Cl. 196—10)



1. A process which comprises stabilizing cracked gasoline distillate to separate gaseous olefins from the gasoline, contacting the thus separated gas with a polymerizing agent to produce gasoline-boiling hydrocarbons therefrom, separating the latter from residual gases, cracking the residual gases by heat treatment to produce polymerizable olefins therefrom, cooling the cracked products to separate the polymerizable olefins therefrom as liquid, and supplying said liquid to the aforesaid stabilizing step whereby it is revaporized therein and passed through the polymerizing operation together with the gaseous olefins separated from said distillate.

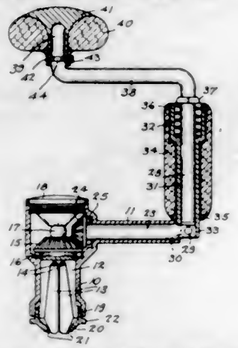
2,102,928
ILLUMINATING DEVICE
Harry D. Van Leunen, Wichita, Kans.
Application August 15, 1935, Serial No. 36,434
3 Claims. (Cl. 240—41.3)



1. In an illuminating device, means for producing a beam of parallel rays of light, a lens having prisms each converging a portion of the light to a focus with the foci lying in a vertical plane, and shield means comprising a pair of vertical, axially spaced apart, plates disposed one forwardly of the foci and the other rearwardly thereof, each plate having a series of horizontal slots with the upper edge of each slot in one

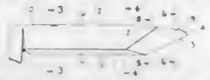
plate in a horizontal plane with the lower edge of its companion slot in the other plate; said slots being so arranged as to permit all the parallel rays refracted by the prisms to pass unobstructed thru the slots.

2,102,929
BRACE
James H. Wallace, Wenatchee, Wash.
Application August 7, 1936, Serial No. 94,780
7 Claims. (Cl. 145—69)



1. In a boring tool of the class described, a chuck housing; chuck means rotatable within said chuck housing; a shaft journaled in said chuck housing and extending at substantially right angles therefrom; a bearing tube for said shaft rigid with said chuck housing and forming a lever arm by which said chuck housing may be rotated when the tool is operated as an ordinary brace; driving means providing a driving connection between said shaft and said chuck; and a crank shaped handle pivotally connected with the outer end of said shaft adjustable into two positions at substantially right angles relative to each other for selectively providing rotation of said shaft or rotation of said chuck housing.

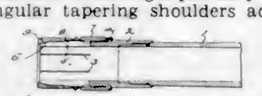
2,102,930
CUTLERY
Thomas E. Wharton, Fairfield, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application April 8, 1936, Serial No. 73,209
3 Claims. (Cl. 30—353)



2. A blade comprising substantially parallel faces, a scraping edge in the plane of one of said faces formed by an edge defining face extending obliquely to said parallel faces, and a cutting edge formed by the grinding of said parallel faces in intersecting planes each of which intersects one of said faces in a line oblique to said scraping edge.

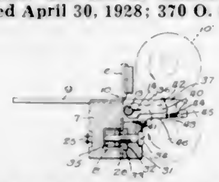
2,102,931
ADJUSTABLE GUN CHOKE
Ezekiel Field White, West Hartford, Conn.
Application December 20, 1935, Serial No. 55,395
7 Claims. (Cl. 42—79)

1. An adjustable choke for gun barrels which comprises a cylindrical shell adapted to be attached to a gun barrel and having its forward portion divided longitudinally into separate segments, said segments having a plurality of spaced tapering shoulders extending transversely across their outer faces, and a sleeve adjustably connected to and movable longitudinally of the axis of said shell, said sleeve having a plurality of spaced internal angular tapering shoulders adapted to



constantly engage said tapering shoulders on the segments for contracting said segments from parallel relation to the axis of the shell to angular relation to the axis of the shell and preventing the segments from flexing, under the impact of the charge as the gun is fired, when they are contracted from cylindrical relation.

2,102,932
SENSING MECHANISM FOR TABULATING MACHINES
Lester F. Wilkinson, Garrett Park, Md.
Application July 15, 1937, Serial No. 153,733
4 Claims. (Cl. 235—61.11)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A record sensing mechanism of the character described, including a movable arm, a spring for moving said arm in one direction toward a record being sensed, a sensing finger rockably mounted on said arm, a spring relatively weak as compared to the arm-actuating spring, for holding the sensing finger in upright position to engage the record and prevent movement of said arm, and means moved by said arm when the sensing finger moves into a record perforation.

2,102,933
SPINNING LIQUOR FOR ARTIFICIAL SILKS
Samuro Yamamoto, Iriarai Machi, Ebara-gun, Tokyo-fu, Japan, assignor to Shozaburo, Hashino, Iriarai Machi, Ebara-gun, Tokyo-fu, Japan
No Drawing. Application May 4, 1932, Serial No. 609,332. In Japan May 14, 1931
4 Claims. (Cl. 134—1)

4. A spinning liquor for artificial silk comprising a solution of fibroin in an alkaline solution of a compound of at least one of the metals copper and nickel mixed with an alkylester of the class consisting of methyl acetate, amyl acetate, ethyl acetate and propyl acetate, the solution also containing an added organic compound comprising an alcohol of the class consisting of glycerine and glycol and tending to promote the viscosity of the solution.

2,102,934
FRINGED RUG
Clarence F. Arnold, Drexel Hill, Pa.
Application April 23, 1936, Serial No. 75,918
2 Claims. (Cl. 28—1)

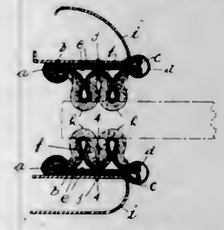
1. A rug comprising a main body portion formed from a braid wound about itself with the outer peripheral edge of the said body portion

defined by the outermost turn of the braid, a fringe consisting of a base cord having substantially the same diametrical dimension as the thickness of the braid making up the main body



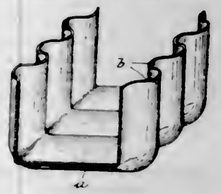
portion, and fringe strands knitted to the base cord, and means for attaching the base cord in abutting relation to the outermost turn of the braid.

2,102,935
WINDOW GLASS CHANNEL LINING
David C. Bailey, Amesbury, Mass.
Application January 21, 1937, Serial No. 121,471
9 Claims. (Cl. 296—44.5)



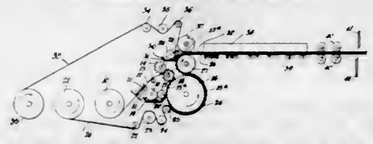
1. A window glass channel lining comprising a substantially flat, elongated strip of sheet metal forming a core, said core having a fabric cushioning strip on the face side thereof, secured at its edges to the opposite edge portions of the core and held at the middle thereof at the middle of the core, the portions of the strip between its middle and each edge extending outwardly from the core, in loop form, to provide a pair of longitudinally extending cushioning ribs arranged for engagement at their ends with one side of the window glass.

2,102,936
WINDOW GLASS GUIDE
David C. Bailey, Amesbury, Mass.
Application March 9, 1937, Serial No. 129,836
6 Claims. (Cl. 296—44.5)



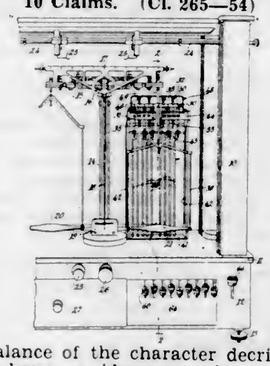
1. A bendable window glass guide comprising a channel shaped core of continuous flexible sheet metal having corrugations formed therein and extending transversely of the bottom and sides thereof and adapted for compression or expansion according to the stresses placed thereon when the channel is bent, and a cushion for the glass within said core.

2,102,937
PLYBOARD ADHESIVE
Jordan V. Bauer, Chicago, Ill., assignor to Stein, Hall Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 26, 1935, Serial No. 33,206
5 Claims. (Cl. 134—23.4)



1. An adhesive composition of matter for corrugated paper board and other laminated paper products, comprising an aqueous suspension of a potentially adhesive inert ungelatinized amylaceous substance and a viscous gelatinized amylaceous carrier therefor, said ungelatinized material being present in the proportion of at least 15% of the total solids on a dry basis and said carrier being present in the proportion of not more than 85% of the total solids on a dry basis, and the proportion of aqueous medium with the ungelatinized material and carrier being not more than 2½ parts of medium to 1 part of total solid materials.

2,102,938
KEYBOARD BALANCE
Christopher A. Becker, Nutley, and William C. Seyter, Union City, N. J., assignors to The Torsion Balance Company, New York, N. Y., a corporation of New York
Application October 24, 1936, Serial No. 107,310
10 Claims. (Cl. 265—54)

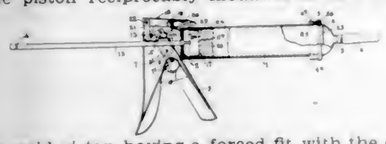


1. A balance of the character decribed, comprising a beam, a rider-supporting member depending from said beam, plungers vertically movable in the central plane of the rider-supporting member for depositing riders onto and removing them from the rider-supporting member, and means for independently moving the plungers.

2,102,939
CALKING GUN
Richard E. Bishop, South Orange, N. J., assignor to A. C. Horn & Company, Long Island City, N. Y., a corporation of New York
Application July 10, 1936, Serial No. 89,879
12 Claims. (Cl. 221—78)

1. In a calking gun for use with a tubular cartridge, the combination comprising a cylinder open at one end, means forming an annular shoulder adjacent the closed end of the cylinder against which the cartridge seats, said cartridge

being exposed at its end inwardly of said shoulder, means including a discharge cap detachably secured to the open end of the cylinder and engaging the other end of the cartridge, and a movable piston reciprocably mounted in the cylin-



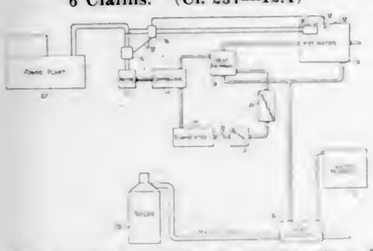
der, said piston having a forced fit with the cartridge whereby initial entry of the piston into the cartridge mutilates the exposed end of the cartridge preventing a second entry of the piston when the cap is removed so that the cartridge is ejected.

2,102,940

WATER HEATING SYSTEM

David L. Buchanan, White Marsh, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 1, 1936, Serial No. 77,304
6 Claims. (Cl. 237—12.4)



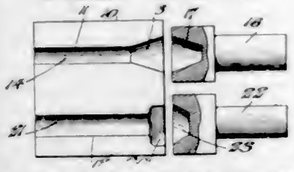
1. A domestic hot water heating system for a rail car having an electrically energized air conditioning equipment which comprises a heat exchange device in heat exchange relation with heated parts of the air conditioning equipment, means to pass water through said heat exchange device for heat transfer, an electrically energized immersion heater in heat exchange relation with the water supply, and electrical interlock means between the electrically energized immersion heater and the electrically operated air conditioning equipment, operated by the electrically energized air conditioning equipment limiting the operation of said immersion heater to periods when said air conditioning equipment is electrically deenergized.

2,102,941

METHOD OF FORMING BOLT HEADS

Harry Cadwallader, Jr., Philadelphia, Pa.

Application June 2, 1937, Serial No. 145,981
4 Claims. (Cl. 10—27)



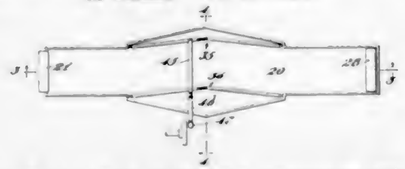
1. The method of forming a bolt head which consists in upsetting the end of a heated rod to form a head blank of double frustum shape, reheating the shaped blank and gathering the flowing metal to form a substantially rectangular base part having a frustum shaped head blank, reheating the blank, and hammering the sides and end of said head blank to form a bolt head of predetermined shape.

2,102,942

PROCESS AND APPARATUS FOR SHRINKING FABRICS

Sanford L. Cluett, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York

Application September 21, 1933, Serial No. 690,367
18 Claims. (Cl. 26—18.5)



1. A process of shrinking a continuous web of fabric comprising depositing the web in a massed formation in a current of liquid adapted to convey the deposited web without tension, and as the current carries the web along, agitating the traveling web in a rapid oscillating motion having reversals so abrupt as to impart violent blows thereto, to produce shrinkage thereof.

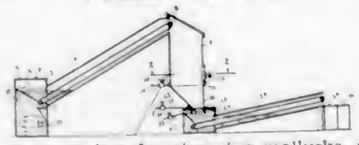
14. That method of shrinking woven fabric whose constituent yarns are substantially of vegetable origin, which comprises as steps accumulating a length of the fabric in the form of a loose mass in which the web is in a widthwise extended state and subjecting the mass while wet to rapidly repeated violent blows, first in one direction and then in the other, the blows being directed predominantly weftwise of the web, thereby to shrink the web.

2,102,943

STEAM BOX

William H. Cook, Collier City, Fla., assignor to Fred Fear & Company, Brooklyn, N. Y., a corporation of New York

Application July 24, 1935, Serial No. 32,843
7 Claims. (Cl. 17—2)



1. A steam box for steaming mollusks, means for draining the juice of said mollusks from said box, an inlet through which said steam box may be filled, an outlet through which said steam box may be emptied, and a water seal for said inlet and outlet.

2,102,944

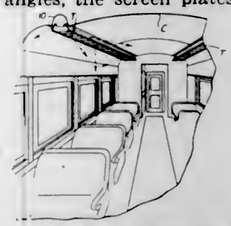
LIGHTING EQUIPMENT FOR PASSENGER VEHICLES

Leroy C. Doane, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut

Application March 25, 1936, Serial No. 70,816
14 Claims. (Cl. 240—7.35)

1. A lighting unit for passenger vehicles comprising a light source, a longitudinally extending, inverted reflector within the ceiling of the vehicle

for reflecting light downwardly at controlled spread in transverse planes, and a screen below the reflector and light source and adapted to protrude below the vehicle ceiling, the screen comprising a plurality of vertically disposed, transversely extending, diffusing plates which screen the light source from direct observation at directions substantially angularly distant from the nadir, the inverted reflector having end portions which slope downwardly and outwardly for intercepting direct light and reflecting it downwardly at lowered angles, the screen plates condensing



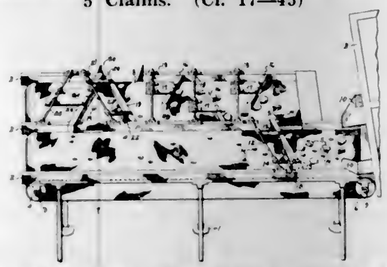
the direct and reflected light in longitudinal planes without affecting its distribution in transverse planes and being substantially evenly illuminated by the scattered reflected light from the end portions of the reflector, said screen having longitudinally extending side reflector members connected with said screen plates and having their upper edges extending into said inverted reflector and spaced from the side edges for intercepting a small portion of the reflected light and redirecting it into high angles for ceiling illumination.

2,102,945

METHOD OF SHELLING MOLLUSKS

James H. Doxsee, Jr. and William H. Cook, Collier City, Fla., assignors to Fred Fear & Co., Brooklyn, N. Y., a corporation of New York

Application May 20, 1937, Serial No. 143,723
5 Claims. (Cl. 17—45)



1. The method of separating mollusks from their shells, which comprises steaming the mollusks to open the shells, moving them along a defined path into engagement with a barrier, and diverting the shells onto another path of travel while the meats continue along the original path of travel, whereby the shells are delivered to one point and the meats to another.

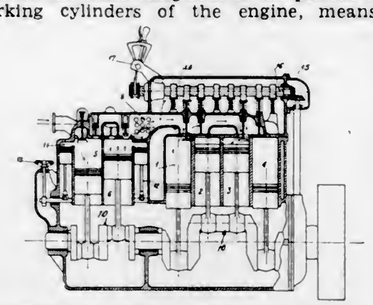
2,102,946

INTERNAL COMBUSTION ENGINE

Paul Dugelay, Paris, France, assignor to Societe d'Exploitation de Brevets pour l'Industrie, l'Aviation et l'Automobile (Sebia), Paris, France, a corporation of France

Application November 10, 1933, Serial No. 697,402
In France November 17, 1932
4 Claims. (Cl. 123—119)

1. In an internal combustion engine of the four stroke cycle type comprising an even plurality of working cylinders provided with pistons operating therein and inlet and exhaust valves and an intake manifold common to all the cylinders, in combination a piston compressor having a number of compression chambers equal to half the number of the working cylinders and an inlet and exhaust valve for each chamber, said compressor being arranged to deliver into said manifold, and the pistons thereof having connecting rods which are dephased with respect to the connecting rods of the pistons of the working cylinders of the engine, means for



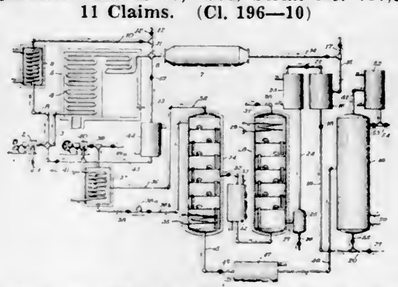
transferring a part of the gaseous charge from one working cylinder to another in a cyclic order through the respective inlet valves of the cylinders and through the manifold during a substantial portion of an induction stroke of the piston of each of the respective working cylinders, in order to cause said compressor to deliver its charge into the intake manifold at regular delivering intervals, each of which commences during, and is partly simultaneous with, the period of transfer into a predetermined working cylinder and terminates after the termination of the said transfer period.

2,102,947

TREATMENT OF HYDROCARBONS

Gerald L. Eaton, Philadelphia, Pa., assignor, by mesne assignments, to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware

Application March 27, 1934, Serial No. 717,611
11 Claims. (Cl. 196—10)



1. The process of converting predominantly paraffinic normally gaseous hydrocarbons into polymers, which comprises heating said hydrocarbons under a high superatmospheric pressure to a temperature at which at least a portion of said hydrocarbons will decompose to form substantial quantities of unsaturates, cooling the heated products to a temperature to prevent further substantial decomposition and at which polymerization thereof takes place, introducing said cooled products without separation and while maintaining substantially the same pressure into

a reaction zone wherein polymerization is effected during the passage of substantially all of the cooled products therethrough, and removing the products of reaction from the zone last mentioned.

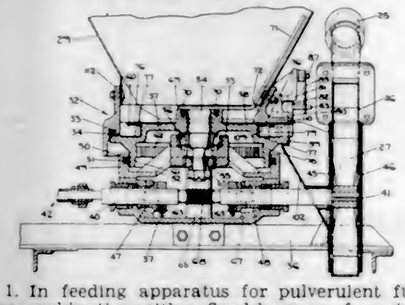
2,102,948

MECHANISM FOR SUPPLYING PULVERIZED FUEL TO FURNACES

Earle V. Francis, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Original application January 18, 1933, Serial No. 652,347. Divided and this application May 24, 1934, Serial No. 727,270

12 Claims. (Cl. 221—125)



1. In feeding apparatus for pulverulent fuel, the combination with a fixed hopper, of a rotary disc plate forming the bottom of said hopper, an annular flange on said disc positioned below said hopper, means adjacent the bottom of said hopper cooperating with said disc and flange to provide an annular chamber into which fuel flows through an opening at one restricted position in the bottom of said hopper which extends over an arc of less than 90 degrees, a stationary deflector for guiding fuel from said plate to said opening, means providing a peripheral fuel discharge opening communicating with said annular chamber which is removed from said first mentioned opening by an arc of at least 90 degrees, and a deflector for guiding fuel from said annular chamber to said discharge opening.

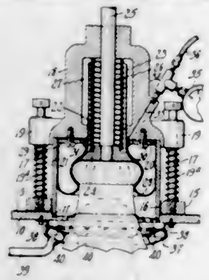
2,102,949

METHOD OF MAKING AND APPLYING CAPS TO BOTTLES

John R. Gammeter, Akron, Ohio, assignor of one-half to Susan G. Gammeter, Akron, Ohio

Application January 2, 1936, Serial No. 57,282

11 Claims. (Cl. 226—83)



1. The method of making and applying caps to milk bottles and the like which comprises forming a disc of contractible material such as a rubber hydrohalide film or the like, superimposing said disc over the open end of the bottle, maintaining said disc in engagement with the open end of the bottle and simultaneously directing heated air against the marginal portion only of said disc, pressing the heated marginal portion of said disc around the bead of the bottle to produce a crimped skirt portion having overlapping portions, and setting the skirt portion to conform to the bead and causing the overlapping portions to become adhesively interconnected to prevent accidental removal of said cap.

2,102,950

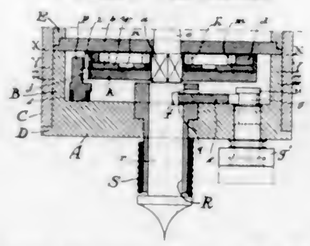
MECHANICAL TIME FUSE

Paul Girard, Lyon, France

Application May 1, 1936, Serial No. 77,332

In France May 3, 1935

8 Claims. (Cl. 102—36)



1. A time fuse mechanism for projectiles including a spring-projected firing pin, means for retaining the firing pin from projection including a pivoted latch, a pair of independently rotatable discs, each having a notch in its periphery, clockwork actuated means operatively engaged with the two discs to rotate them in opposite directions and at relatively different speeds, the latch having a member adapted to enter the notches when they are in coincident register, the latch when its member enters the coincident notches releasing the firing pin and means urging said latch in a direction to cause the member to bear against the peripheries of the disks.

2,102,951

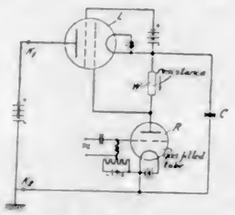
GENERATOR OF ELECTRIC RELAXATION OSCILLATIONS

Edmund Hackenberg, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 8, 1936, Serial No. 89,649

In Germany July 11, 1935

3 Claims. (Cl. 250—36)



1. In a generator of electric relaxation oscillations, a condenser, a circuit for charging this condenser, a circuit for discharging it, and means to block up such charging circuit during the discharge of said condenser.

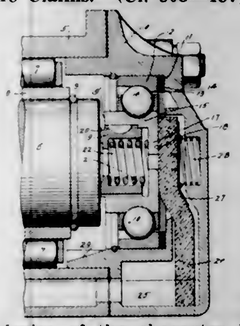
2,102,952

BEARING

Charles Henry Hellyar, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application April 9, 1935, Serial No. 15,418

18 Claims. (Cl. 308—187)



1. In a device of the character indicated, a bearing box, a bearing for taking radial load, an axially movable shaft journaled therein, a separate unit handling thrust bearing comprising inner and outer concentric raceway rings with interposed anti-friction bearing members, the outer ring being supported by said box, and a member forming a sliding driving connection between the other of said raceway rings and said shaft, whereby said shaft will drive the inner ring of said thrust bearing in all axial positions of said shaft, means to supply oil to said inner ring to be slung by the latter to lubricate said bearing.

2,102,953

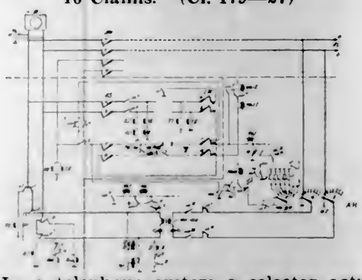
AUTOMATIC TELEPHONE SYSTEM

Alfred Heyduck, Berlin-Neuenhagen, Germany, assignor to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany, a company

Application November 23, 1935, Serial No. 51,251

In Germany November 27, 1934

16 Claims. (Cl. 179—27)



1. In a telephone system a selector actuated by a magnet and adapted to connect a station of the system to busy lines, means at the said station for producing loop interruptions, an impulse receiving device responsive to said interruptions for causing the energization of the magnet of the selector and auxiliary means effective to continue the driving of said selector as long as said selector is connected to a non-busy line.

2,102,954

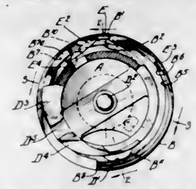
ROTARY LOOP TAKER

Richard K. Hohmann, Rosedale, N. Y.

Application March 2, 1937, Serial No. 128,572

7 Claims. (Cl. 112—228)

1. A new article of manufacture comprising a one piece metallic part adapted for attachment to the hook ring portion of a rotary hook sewing machine in bridging relation with the hook notch thereof, and comprising a body portion having an inclined front edge portion adjacent one end adapted to form one side of a thread loop receiving throat having its other side formed by the



hook portion of said hook ring and formed at its other end with a loop discharging spur adapted to deflect rearwardly the limb of a thread loop passing out of engagement with the rear edge of said hook in the final portion of a stitch forming operation.

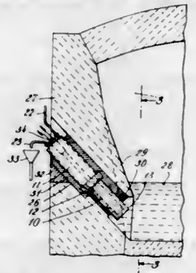
2,102,955

TEMPERATURE MEASURING INSTALLATION

Philip M. Hulme, Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y., a corporation of New Jersey

Application September 5, 1935, Serial No. 39,207

7 Claims. (Cl. 73—32)



1. A temperature measuring installation associated with a furnace for measuring the temperature of a bath of molten metal within the furnace comprisng a furnace wall having a passage extending downwardly therethrough opening into the furnace at a point below the surface of molten metal therein and opening to the exterior of the furnace above the plane of the surface of the molten metal, temperature measuring apparatus comprising a silicon carbide tube closed at its lower end mounted within the passage in such a manner that the closed end of the silicon carbide tube extends into the molten metal below the surface thereof, and cement packed between the walls of the passage and the temperature measuring apparatus above the closed end of the silicon carbide tube to hold the temperature measuring apparatus in place.

2,102,956

ELECTRIC VALVE STARTING SYSTEM

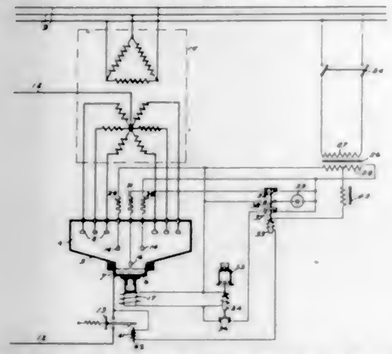
Max Hürlimann, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie, Baden, Switzerland, a joint-stock company of Switzerland

Application July 3, 1936, Serial No. 88,719

6 Claims. (Cl. 175—363)

1. In combination, an electric valve comprising a casing enclosing a liquid cathode and an ignition anode, a solenoid having an armature adapt-

ed upon attraction thereof by said solenoid from a rest position to cause a jet of cathode material to be projected from said cathode to said ignition anode, a source of current connected with said solenoid, and a relay having a coil connected in parallel with said solenoid and having contacts



controlling therethrough the supply of current from said source to said solenoid and said relay coil whereby the supply of said current to said solenoid and relay coil is simultaneously interrupted and the said solenoid is caused to continually receive current impulses from said source.

2,102,957

ASPHALT SOLUTION

Felix Kaufler and Hilger Peter Schmitz, Munich, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Electrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application November 22, 1933, Serial No. 699,134. In Germany December 9, 1932

2 Claims. (Cl. 134—1)

2. A complete and stable asphalt solution comprising an asphalt of the class consisting of Gilsonite and Syrian asphalt and a solvent, said solution having a consistency suitable for a coating composition, said solvent comprising at least 90% of a paraffin hydrocarbon boiling between 50° C. and 200° C. and, for increasing the solvent action of the paraffin hydrocarbon on the asphalt, less than 10% of an organic compound having a hydroxyl or ketone group of the class consisting of diacetone-alcohol, butylenglycol-β-ethylether, butyl alcohol, glycolic acid butylester, lactic acid ethylester, ethyl-propyl-ketone, acetone, acetophenone and cyclohexanone.

2,102,958

INFANT'S BATHING DEVICE

Benjamin H. Kennedy, Rochester, N. Y.

Application March 27, 1937, Serial No. 133,303

6 Claims. (Cl. 4—177)

1. In an infant's bathtub and associated dressing table and support therefor, a pair of arms pivotally connected at their upper ends to opposite ends of the dressing table and pivotally connected at their lower ends to opposite ends of the support, springs secured to opposite ends of the support and operatively connected to said arms for automatically swinging the arms towards the rear of the support and the dressing table from an active position upon the support in overlying relation with the tub to an inactive position at the rear thereof, and a foot actuated means operatively connected to opposite ends of said table and adapted when depressed to swing the table on said arms from the inactive



position at the rear of the tub to the active position upon the support in overlying relation to the tub against the tension of the said springs.

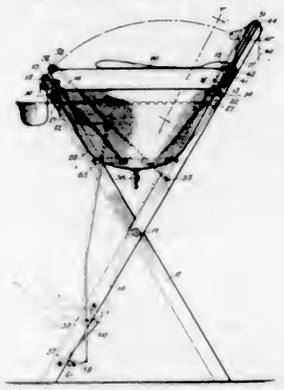
2,102,959

INFANT'S BATHTUB AND FOOT ACTUATED DRESSING TABLE THEREFOR

Dewey M. Kennedy, Rochester, N. Y.

Application October 8, 1936, Serial No. 104,624

4 Claims. (Cl. 4—177)



1. In an infant's bathtub and associated support therefor, a sheet of flexible material anchored along one edge to the support adjacent to and above the rear of the tub, a rod extending longitudinally of and attached to the forward free edge of said sheets, a pair of levers fulcrumed at their lower ends to the support and connected at their upper ends to the opposite ends of said rod, a yoke pivotally connected at its upper ends to the levers respectively intermediate the ends thereof, said yoke being adapted when depressed to swing the levers forwardly to thereby move the sheet from an inactive position at the rear of the tub to a stretched position overlying the tub and adapted when raised to swing the levers rearwardly to thereby move the sheet from a stretched position overlying the tub to an inactive position adjacent the rear thereof, and means on the opposite sides of the support cooperatively engaging with the yoke for guiding the same when it is depressed and for locking the yoke in depressed position and the sheet in stretched condition.

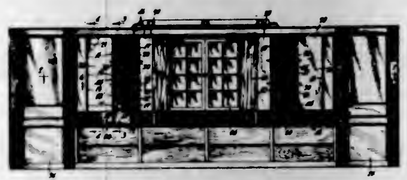
2,102,960

STORE DISPLAY

Claude W. Kress, New York, N. Y.

Application July 1, 1935, Serial No. 29,197

7 Claims. (Cl. 20—404)



3. A wall fixture for decorative display of merchandise comprising a frame, mirror panels carried thereby against movement and extending in substantially a common plane, parallel rigid bars between successive panels and concealing the space between said latter panels, each of said bars being provided with a series of spaced conformations so formed as to receive brackets for supporting shelves in selective position along said bars, a decorative opaque panel covering at least a portion of one of said mirror panels, and means connecting said opaque panel and one of said bars for releasably locking said opaque panel in position.

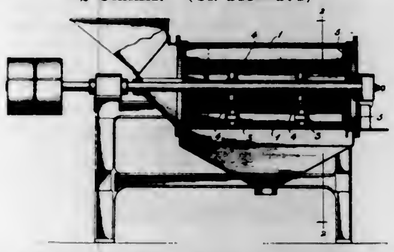
2,102,961

PULPING MACHINE

Harold R. Lewis, Baltimore, Md., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application September 22, 1934, Serial No. 745,115

2 Claims. (Cl. 146—174)



1. An apparatus for treating fruit and vegetable mass materials to extract juice and the like therefrom comprising a screened drum member, a rotary member located within said drum member, means for rotating said rotary member, beater blades secured to said rotary member, arcuate faces on said beater blades adapted to move adjacent said drum member, the discharge ends of said beater blades being in staggered relation, and being adjustable radially and angularly relative to said drum.

2,102,962

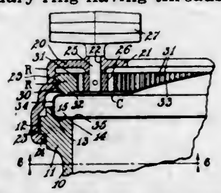
PRESSURE COOKER

Lawrence L. Ludington, Muncie, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana

Application November 3, 1934, Serial No. 751,271

3 Claims. (Cl. 220—61)

2. The combination with a container having a cover seat at its open end and anchor lugs, a cover mating with said seat, and a removable cover retainer comprising, (1) a primary ring having anchor lugs mateable with the anchor lugs of the container, and a threaded portion, and (2) a secondary ring having threads mating with



the aforesaid threads and a portion restable upon the cover.

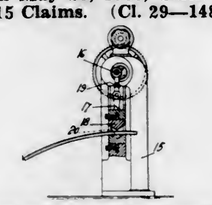
2,102,963

MANUFACTURE OF ARMOR PLATES

George Lee Miller, Canton, Ohio

Application May 28, 1936, Serial No. 82,295

15 Claims. (Cl. 29—148)



1. In the manufacture of armor plate, the steps of carburizing one surface of a steel plate to form a penetration-resistant case and relatively soft core, annealing the plate, reheating the plate, partially quenching the plate and while the plate retains a substantial part of the heat, distributing the stresses uniformly throughout the plate so that when the same is cooled it assumes a substantially uniform concavo-convex surface with the case on the convex side thereof, and straightening the plate by compressing the case and stretching the core.

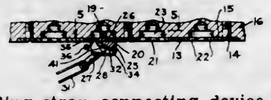
2,102,964

SLING STRAP CONNECTING DEVICE

Oscar F. Mossberg, New Haven, Conn., assignor to O. F. Mossberg and Sons, Inc., New Haven, Conn., a corporation of Connecticut

Application September 3, 1936, Serial No. 99,251

10 Claims. (Cl. 42—85)



1. In a sling strap connecting device, a sling strap swivel having a body portion, a strap supporting bail having its ends spaced apart in opposed relation within said body portion, said body portion having a tongue adapted to enter an opening in a gun part, and common means extending across the body portion between the spaced apart bail ends to releasably retain said tongue in the opening in the gun part and to prevent transverse movement of said bail relatively to said body portion.

2,102,965

MANUFACTURE OF UNSATURATED ALDEHYDES

Walter Christian Meuly, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

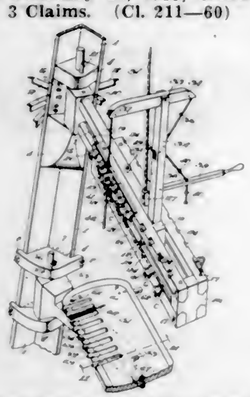
No Drawing. Application April 20, 1936, Serial No. 75,415

14 Claims. (Cl. 260—136)

1. The process of producing an unsaturated al-

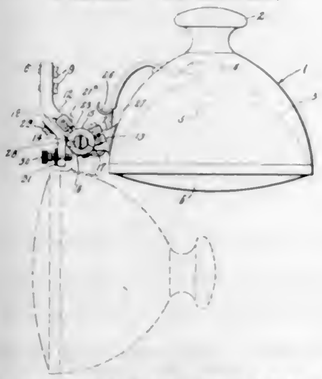
dehyde, which comprises reacting an aldehyde bisulfite having a CH_2 group next to the aldehyde radical with an aromatic aldehyde in a liquid medium and in the presence of an alkaline condensing agent.

2,102,966
COMBINATION ROD HANGER AND TUBING RACK
Paul H. Nash, Pampa, Tex., assignor of one-third to G. M. Walters, Pampa, Tex.
Application February 12, 1935, Serial No. 6,194
3 Claims. (Cl. 211—60)



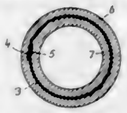
1. A rod hanger including in combination with a derrick, an extensible member suspended for pivotal displacement, having rod receiving and retaining means removably mounted thereon, said extensible member comprising parallel arms swingably mounted to a leg of said derrick and whose confronting surfaces are interposed by a grooved roller engaging said surfaces, a pair of side members in which the axis of said roller is journaled and capable of longitudinal sliding movement on said parallel arms, said members each having spaced recesses for reception of said rod receiving and retaining means.

2,102,967
CONCEALABLE SPOT LAMP
Thomas W. Neel and Jay D. Blocker, Ventura, Calif.
Application June 2, 1936, Serial No. 83,084
5 Claims. (Cl. 177—329)



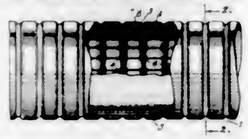
4. In a concealable spot lamp, a spot lamp including a casing and an electric lamp contained therein, bracket means mounting said casing upon the interior of a vehicle for movement from a concealed position to an active position at which the lamp may project its light exteriorly of the vehicle, said bracket means including a hinge, an electric circuit for said lamp, switch means actuated by movement of said hinge when said lamp is moved to active position for closing the circuit for said lamp, and adjustable stop means for limiting the movement of said lamp toward its active position.

2,102,968
PROCESS FOR THE MANUFACTURE OF CONCRETE PIPES
Marius Overvad, Aarhus, Denmark
Application November 9, 1935, Serial No. 48,976
In Denmark December 28, 1934
5 Claims. (Cl. 25—154)



1. A process for manufacturing concrete pipe or the like by centrifugal casting comprising the steps of casting an outer layer in a rotary mold, inserting a metal cylinder within said outer layer, said metal cylinder being split longitudinally in at least one place, spinning the mold to expand the split metal core and compact the concrete, and casting an inner layer within said metal cylinder.

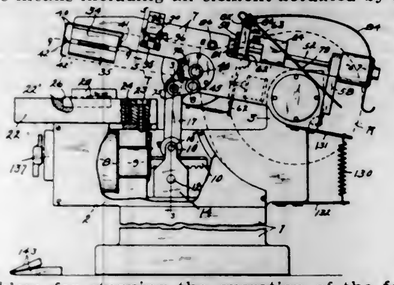
2,102,969
PIPE AND METHOD OF MAKING THE SAME
Cuyler S. Patton, Scarsdale, N. Y., assignor to Alco Products Incorporated, New York, N. Y., a corporation of Delaware
Application November 2, 1934, Serial No. 751,164
9 Claims. (Cl. 138—66)



1. A pipe comprising in combination an outer shell having projections on its inner surface, a lining engaging said inner surface and a plurality of reinforcing members disposed in said lining and connected to said projections.

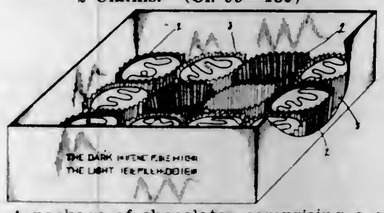
2,102,970
MACHINE FOR APPLYING TRANSFERS
Juel L. Peterson, Seneca Falls, N. Y., assignor to Caleb Smith, Seneca Falls, N. Y.
Application February 28, 1935, Serial No. 8,703
16 Claims. (Cl. 41—1)

5. In a device for applying transfers to articles of manufacture, a base, a platen mounted on the base, a carrier member mounted on the base, a heating element mounted on the carrier member, operating means for moving the carrier member toward and from the platen to bring the heating element into and out of cooperative relation with articles on said platen, feed means mounted on the carrier member for successively bringing transfer emblems into predetermined registration with the heating element, means controlled by the operating means and during said movement of the carrier member for starting the operation of the feed means, and separate means including an element actuated by the



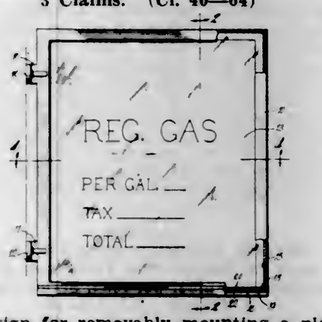
emblem for stopping the operation of the feed means at a predetermined position of the transfer emblem.

2,102,971
PACKAGING CANDY
Gordon A. Petremont, Boston, Mass., assignor to The Gobelin Company, Inc., Cambridge, Mass., a corporation of Massachusetts
Application March 20, 1935, Serial No. 11,995
2 Claims. (Cl. 99—180)



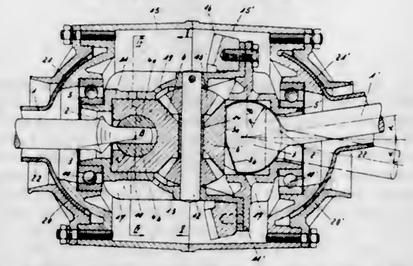
1. A package of chocolates comprising a container containing chocolates with different centers, individual cups in contact with each other holding said chocolates, said cups being of different colors and holding different centered chocolates which centers are identified by the color of the cup, and means associated with said container for indicating the relation of the colors of said cups to the nature of the centers of said chocolates held thereby.

2,102,972
SIGN
Benjamin Phillips, Cincinnati, Ohio, assignor to The Phillips Pump & Tank Company, a corporation of Ohio
Application March 2, 1936, Serial No. 66,549
3 Claims. (Cl. 40—64)



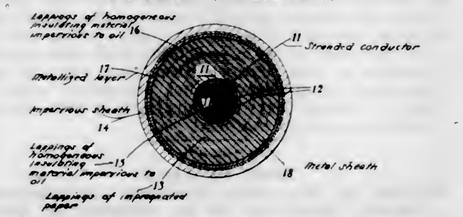
1. A sign for removably mounting a placard, said sign including an internally grooved frame, said frame having a slotted side, a pair of glass panels insertable through said slotted side, packing or spaced strips interposed between said glass panels around the margins thereof, said assembled glass panels marginally supported within the groove of the frame, a slotted retaining strip inserted longitudinally of the slotted side of the frame for holding the glass panels in position but permitting insertion of the placard through the slot thereof, and a removable strip insertable adjacent said last mentioned strip over said slot therein for holding a placard in position against removal from between said glass panels.

2,102,973
UNIVERSAL JOINT
Ferdinand Porsche, Stuttgart, Germany
Application April 3, 1936, Serial No. 72,473
In Germany November 2, 1934
9 Claims. (Cl. 74—311)



1. A universal joint comprising a rotatable member formed with an extension having flat parallel surfaces parallel to the axis of rotation of said member, a second member formed with flat parallel surfaces engaging the flat parallel surfaces of said first member and formed with a cylindrical surface the axis of which is parallel to said flat surfaces, and a third member formed with a transverse bore for embracing the cylindrical surface of said second member, and means on said rotatable member including means cooperating with said third member for preventing axial movement of said rotatable member.

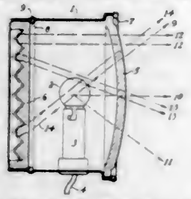
2,102,974
ELECTRIC CABLE
Denis Morrell Robinson, London, England, assignor to Callender's Cable and Construction Company Limited, London, England, a British company
Application June 12, 1935, Serial No. 26,135
In Great Britain June 22, 1934
2 Claims. (Cl. 173—266)



1. An impregnated paper insulated cable comprising a conductor having a smooth surface of non-reentrant configuration, a comparatively thin continuous covering of homogeneous insulating material impervious to oil and com-

pound, surrounding said conductor and in contact therewith, said covering comprising at least one lapping of strip, the thickness of which strip is not greater than two mils, an impregnated body of paper insulation surrounding said covering, and an impervious sheath enclosing the said body of paper insulation.

2,102,975
VISIBLE SIGNAL
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application October 31, 1934, Serial No. 750,909
5 Claims. (Cl. 240—8.3)



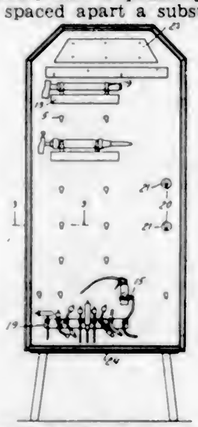
1. A device adapted to produce a visible signal from either a self-contained light source or from the substantially parallel light rays from a remote extraneous light source, comprising a light-transmitting cover, a transparent universal direction-reversing reflector having a multiplicity of small prisms disposed in its rear face, the reflector being disposed behind the cover to receive substantially all the extraneous light transmitted through the cover and return it toward the cover for retransmission thereby in a beam directed toward the extraneous source, and a light source between the cover and reflector, the same areas of the surfaces of the cover being effective for simultaneously transmitting light originating in both sources, the cover member being in the form of a light concentrating lens whose focal point coincides with the enclosed light source, the lens prisms diverting the incident and reflected rays from the extraneous source equally so that the emitted reflected ray is parallel with the incident ray, the small prisms being sufficiently large for transmitting the reflected beam without substantial scattering.

2,102,976
METHOD OF MAKING REFRACTORY BRICKS
Gilbert E. Seil, Cynwyd, Pa., assignor to E. J. Lavino and Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 11, 1936, Serial No. 100,384
4 Claims. (Cl. 25—156)

1. The process of making a refractory material, which comprises heating to a temperature in excess of 3100° F. a mixture of at least one aluminum silicate mineral with another alumina bearing material whereby in the resulting mixture the ratio of Al_2O_3 to SiO_2 is such that after exposure to said temperature there remains a conversion stabilized product consisting essentially of mullite crystals substantially free from weaker refractory material.

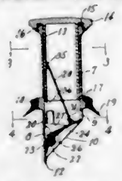
2,102,977
DISPLAY RACK
William E. Shoemaker, Freeport, and Gerthal French, Manhasset, N. Y., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application December 14, 1933, Serial No. 702,300
4 Claims. (Cl. 248—223)

2. In combination in apparatus of the class described, a rigid backing sheet having a plurality of apertures spaced apart a substantial distance and disposed in the central portion thereof, and an integral instrument-carrying means, said instrument-carrying means having on one face a plurality of spring retaining arms spaced apart a substantial distance and adapted to support and yieldingly hold an instrument and on the opposite face a plurality of supporting projections spaced apart a substantial distance



to register with said apertures, said supporting projections being proportioned to permit insertion through said apertures and to exert a pressure against the rear surface of said backing sheet upon movement downwardly parallel to the surface of said backing sheet, whereby said instrument-carrying means and an instrument yieldingly held in the spring retaining arms thereof are removably supported as a unit by said backing sheet.

2,102,978
DISPENSER
Henry G. Slining, Huntington Park, Calif.
Application June 19, 1936, Serial No. 86,132
10 Claims. (Cl. 221—23)

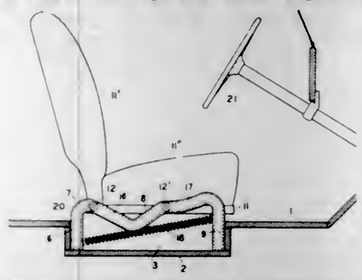


1. In a dispensing device, a hollow member carrying a blade adapted to cut an opening in a can, the hollow member being arranged to receive contents from the can through the opening cut by the blade, a removable cap for closing the hollow member, and a valve adapted to close the hollow member, the hollow member being closed at all times except for an opening into the can and except for an opening closed by the cap, and the valve and cap being spaced apart to trap a measured quantity of the contents of the can.

2,102,979
MOTOR VEHICLE SAFETY SEAT
Harry M. Smith, San Francisco, Calif.
Application November 26, 1934, Serial No. 754,766
2 Claims. (Cl. 155—9)

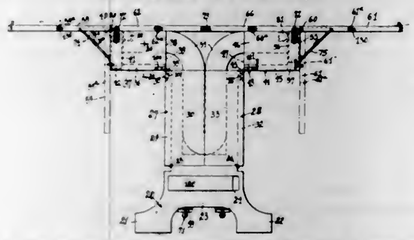
1. In a motor vehicle having a steering wheel; a pair of fixed longitudinal guides shaped to form

alined relatively steep, forwardly disposed declines at the rear thereof and substantially horizontal portions at the front thereof; a seat between said guides having means at the rear thereof engaging the declines in said guides and means at the front thereof engaging the substantially horizontal portions of said guides; re-



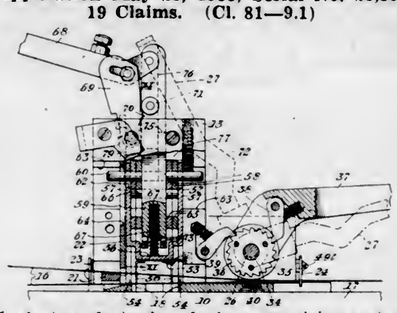
silient means urging said seat backward; and a stop limiting the backward movement of said seat, said seat being adapted to be displaced forwardly against the tension of said spring by the force of momentum and tipped by said guides with its rearward portion lowered with respect to said steering wheel.

2,102,980
COMBINATION BED, TABLE, AND SOFA
Ben Spanglet, Brooklyn, N. Y.
Application February 12, 1937, Serial No. 125,405
8 Claims. (Cl. 5—3)



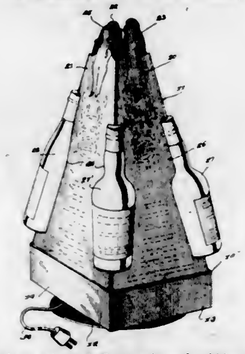
1. In a combination furniture, having a central stationary base, a plurality of springs to form parts of a spring base for a bed on said stationary base, a right hand and a left hand intermediate member, each having a base board and two side boards to form a trough like usual bed frame portion hinged at the right hand, and left hand, sides respectively of said stationary base, a plurality of springs in each intermediate section to form further parts of a spring base for a bed; a right hand and a left hand outer member of similar construction to said intermediate members and hinged to the respective right hand and left hand outer ends of said intermediate members, a right hand and left hand leg board hingedly secured to the right hand and left hand outer upper edges of the respective outer members releasable means to secure said legs in a vertical position on said outer members when desired and releasable means associated with said hinges between said members to lock said members in desired relative angular positions to one another, said members being adapted to be placed into horizontal alignment with the base to form a bed, the intermediate members adapted to be swung into vertical positions, means to hold said intermediate members in such vertical positions, the outer members adapted to extend and be held in horizontally alined positions projecting outwardly from the upper ends of the intermediate members, whereby a table support is formed, one intermediate member adapted to be swung down to horizontal position to form a seat with its associated outer member engaging the floor to form a leg for the seat.

2,102,981
STRAP TENSIONING AND SEALING DEVICE
Herman J. Spencer, West View, Pa., assignor, by mesne assignments, to Leechgrip Company, O'Hara Township, Pa., a corporation of Pennsylvania
Application May 28, 1935, Serial No. 23,895
19 Claims. (Cl. 81—9.1)



1. A strap fastening device comprising a standard, a plunger reciprocable therein, means for feeding a fastening-clip below the plunger, a strap tightening disc, and means for actuating the disc into engagement with a strap disposed beneath the plunger, said feeding means being operated by said actuating means.

2,102,982
ILLUMINATED ROTATABLE DISPLAY STAND
Fred C. Taylor, Hammondsport, N. Y., assignor to The Taylor Wine Company, Hammondsport, N. Y., a partnership, consisting of Fred C. Taylor, Greyton H. Taylor, Clarence W. Taylor, Flora Taylor Keeler, and Lucy Taylor Zimmer
Application January 12, 1937, Serial No. 120,279
6 Claims. (Cl. 211—1.6)



6. A display stand for wine bottles comprising a base, and a plurality of opaque, sheet material side walls supported on and confined by said base and joined together along their edges in substantially the form of a regular, four-sided pyramid, said sheet material being cut away adjacent the edges of the pyramid to provide apertures, one along each inclined edge of the pyramid, each of said apertures being shaped to

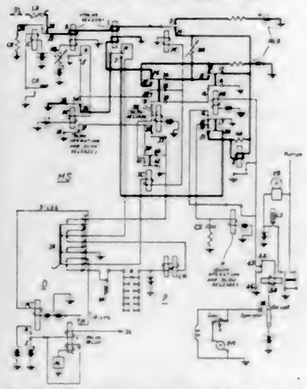
fit snugly the surfaces of a bottle to support the bottles on the edges of the pyramid in rearwardly inclined positions with a major portion of the surface of each bottle exposed exteriorly of the pyramid and a minor portion thereof concealed within the opaque side walls, certain of said apertures being shaped differently from other apertures, whereby differently shaped bottles, adapted to contain different kinds of wine, may be supported on different edges of the pyramid.

2,102,983

TELEGRAPH SYSTEM

Gilbert S. Vernam, Hackensack, N. J., and Frederick G. Hallden, Bellerose, N. Y., assignors to Postal Telegraph-Cable Company (New York), New York, N. Y., a corporation of New York

Application March 22, 1935, Serial No. 12,364
20 Claims. (Cl. 178—2)



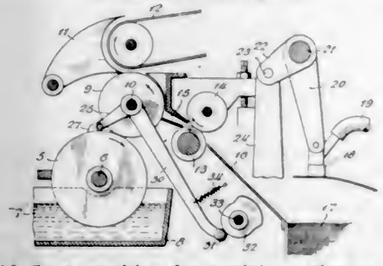
1. A telegraph system comprising a main station and a way station connected by a line circuit, a transmitter and a receiver at each station, a source of current supply at the main station normally connected to the line during all idle periods, a source of current supply at the way station, means responsive to an initial operation of the transmitter at the way station for disconnecting the current supply at the main station and for connecting the current supply at the way station to said line.

2,102,984

MACHINE FOR APPLYING ADHESIVE

George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey

Application September 14, 1934, Serial No. 743,929
17 Claims. (Cl. 91—50)



16. In a machine for applying adhesive to a sheet or web, a roller for applying the adhesive directly to said sheet, a roller for supplying adhesive to said applying roller, and means operative against said applying roller for cutting off a portion of the supply of adhesive from said supplying roller to said applying roller.

2,102,985

APPARATUS FOR LOOSENING THE SCALP

Josef Wadel, Hamburg, Germany

Application December 7, 1934, Serial No. 756,433
In Germany December 23, 1933
2 Claims. (Cl. 128—59)



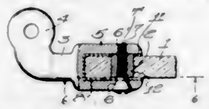
1. Apparatus for promoting the growth of hair comprising an elastic cranial band adapted to be adjusted about the head at the forehead of the wearer, a pair of levers hingedly connected at one end and adapted to straddle the head of the wearer, co-operatively adjustable tensioning bands adapted to pass over the head of the wearer connecting said elastic band at the lateral portion of the head with the free ends of said levers, and means connected with the hinged ends of said levers for manually actuating the same, whereby said elastic band may be reciprocated in an upward direction and whereby the layers covering the peripheral portions of the cranium are stretched to loosen the scalp and to permit the flow of blood through the tissues.

2,102,986

EYEGLASS

Tillet H. Wynne, Sr., Griffin, Ga.

Application August 31, 1936, Serial No. 98,792
1 Claim. (Cl. 88—47)



In combination with an eyeglass lens having an opening near the edge thereof, a connection having a clip provided with an opening in line with said lens opening, a lining of fusible material between the lens and clip and having an ear formed with a tube adapted to fit said opening of the lens, and a fastening screw passing through the clip and lining, and tube and formed with screw threads extending the entire length of the screw and with grooves arranged perpendicular to and cutting through said screw threads and extending the entire length of said screw.

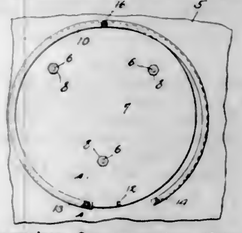
2,102,987

AUTOMOBILE REAR ADVERTISING CARRIER

Harry Armour Acy, Louisville, Ky.

Application July 6, 1937, Serial No. 152,039
4 Claims. (Cl. 40—129)

3. A carrier of the class described comprising a body portion, means for securing the body portion to a supporting surface, said body portion having openings near the lower edge thereof, a split ring member embodying spaced flanges adapted to house the periphery of the body portion, means at one end of the split ring member for removably securing the split ring member to the body portion, means at the opposite end of



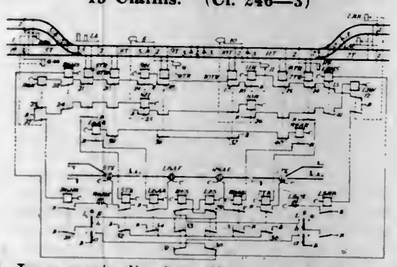
the ring member for securing this end of the ring member to the body portion, said means including bolts fitted in the openings, and yieldable means on the bolts adapted to engage an advertising card positioned on the body portion, securely holding the card in position on the body portion.

2,102,988

RAILWAY TRAFFIC CONTROLLING APPARATUS

Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 15, 1936, Serial No. 96,227
15 Claims. (Cl. 246—3)



1. In a centralized traffic control system for railroads, a stretch of railway track, a signal at each end of the stretch for governing the movement of traffic into the stretch, a manually controllable signal control relay for each signal, direction selecting means for governing said signal control relays, means responsive to the operation of either signal control relay when the stretch is unoccupied for actuating said direction selecting means, means rendered effective when said direction selecting means is actuated by the signal control relay at one end of the stretch to prevent the operation of the signal control relay at the other end of the stretch, and means preventing a change in the operated condition of said direction selecting means when any portion of the stretch is occupied.

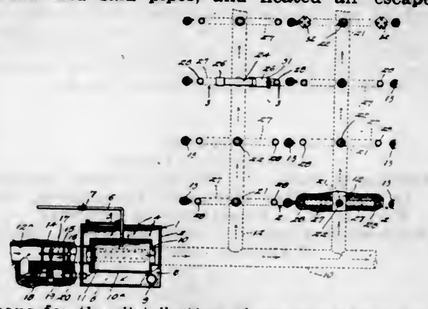
2,102,989

ORCHARD HEATING SYSTEM

Theodore W. Bose, Santa Ana, Calif.

Application June 5, 1937, Serial No. 146,683
5 Claims. (Cl. 47—2)

1. In a heat distributing system of the character described, a heating furnace including a casing and a heating unit therein, air conducting means passing through said casing over said heating unit, distributing pipes connected with said means, said means and distributing pipes being beneath the ground surface, means for forcing circulation of air through the conducting means and said pipes, and heated air escape



means for the distributing pipes comprising upwardly directed nipples and substantially T-shaped pipe units each coupled with a nipple and adapted to discharge heated air laterally over the surface of the ground.

2,102,990

MATERIAL TREATING APPARATUS

Robert E. Briggs, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application December 8, 1933, Serial No. 701,550
15 Claims. (Cl. 210—3)



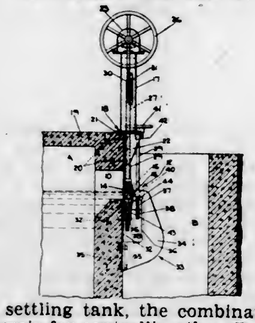
1. Apparatus for treating sewage and for separating solids from liquids comprising the combination with a stationary sedimentation tank, of a conveyor chain adapted to move through the tank, flights on the conveyor chain adapted to move settled solids laterally to and fro in the liquid from which they were settled to agitate the solids and to wash out therefrom entrapped flotant substances, and buckets on the conveyor chain adapted to remove the settled solids from the tank.

2,102,991

SEWAGE DISPOSAL APPARATUS

Robert E. Briggs, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

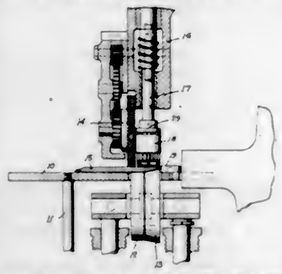
Application July 31, 1935, Serial No. 33,981
10 Claims. (Cl. 210—3)



1. In a settling tank, the combination with a duct, of a weir for controlling the effective size of

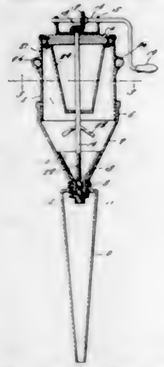
said duct, said weir comprising a member adapted to move over said duct, means comprising a pair of spaced vertical shafts for raising and lowering said member, means for operating said shafts in unison, and means for clamping said member in an adjusted position, said last mentioned means comprising a plurality of spaced vertical shafts and clamping blocks operated thereby adapted to effect a wedging action on said member.

2,102,992
ROUGHING HEAD
William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application January 4, 1934, Serial No. 705,181
9 Claims. (Cl. 69—1)



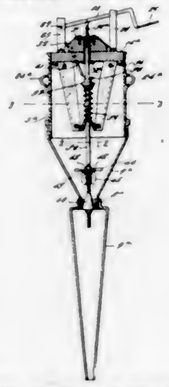
1. In combination, a rotatable head having a bore therein to receive a roughing needle, and a guard plate secured to said head, said plate being formed with a notch in line with said bore and snugly accommodating said needle.

2,102,993
SODA-SPREADING MACHINE
André E. Claudel, St. Bernard, La.
Application January 22, 1936, Serial No. 60,293
2 Claims. (Cl. 221—119)



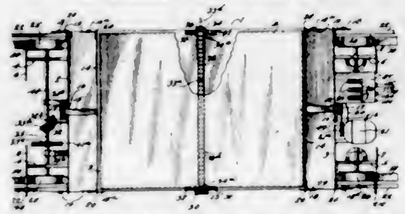
1. A fertilizer distributor comprising a container of sectional construction, said container consisting of a shell section and a conical-shaped bottom section, said bottom section having a cylindrical extension for snugly receiving one end of the shell, a closure at the opposite end of the shell, a shaft journaled through the closure and provided with manually controlled operating means at its outer end and means on the shaft at the inside of the container for mixing and treating material from the container through the conical-shaped bottom thereof, a cup-shaped structure in the lower portion of the conical-shaped section, said cup-shaped structure having a bushing-like extension, said conical-shaped section having an opening at its apex for receiving the bushing-like extension and means at the outer end of the bushing-like extension for preventing inward movement of the cup-shaped structure with respect to the bottom section.

2,102,994
SODA-SPREADING MACHINE
André E. Claudel, St. Bernard, La.
Original application January 22, 1936, Serial No. 60,293. Divided and this application April 19, 1937, Serial No. 137,882
2 Claims. (Cl. 221—119)



1. A dispenser of the character described comprising a hopper provided with a tapering bottom, a vertically movable shaft in the hopper and extending through the bottom thereof, means at the upper end of the hopper for operating the said shaft, the lower portion of the shaft being provided with threads, a valve element feedable on the threaded portion of the shaft, a nut for holding the valve element against self adjusting, an agitator disposed on the threaded portion of the shaft, and a jam nut on the threaded portion of the shaft at each side of the said agitating member to prevent self adjusting of the agitating member.

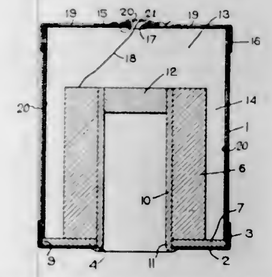
2,102,995
ARTICLE FILING AND DELIVERY SYSTEM
James W. Coombs, Whitehall, Mich.
Application October 22, 1935, Serial No. 46,154
45 Claims. (Cl. 214—16.1)



1. In a file system of the class described, a storage compartment for files, a carrier device, means on said carrier device operable to extract the file from said compartment, and means for propelling the carrier to said compartment including manually settable preselector means on the carrier for effecting a stoppage of the carrier

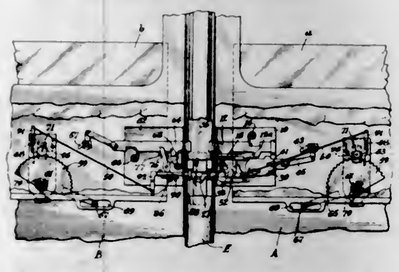
at a predetermined compartment and transfer of the propelling effort to the file extracting means at said predetermined compartment.

2,102,996
THREAD PACKAGE
Joseph Cryan, Newtonville, Mass.
Application June 10, 1936, Serial No. 84,453
8 Claims. (Cl. 242—146)



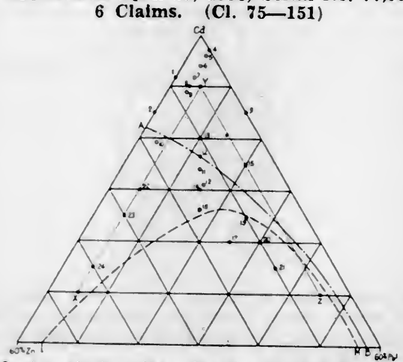
1. As an article of manufacture a thread package comprising a tube of thread wound upon a single-head spool having a tubular core and a head permanently secured thereto of substantially greater diameter than said tube of thread, a cylindrical container of fibrous material having its lower end fitting and permanently secured to said spool head and extending well beyond the upper end of said tube of thread, and a cap permanently secured to said casing provided with a central delivery opening through which the thread may be progressively unwound from said tube of thread.

2,102,997
DOOR LOCKING DEVICE FOR AUTOMOBILES AND THE LIKE
Edward D. Dall, Waukegan, Ill., assignor to Walter F. Wright, Shaker Heights, Ohio
Application February 4, 1933, Serial No. 655,180
Renewed June 8, 1937
30 Claims. (Cl. 70—264)



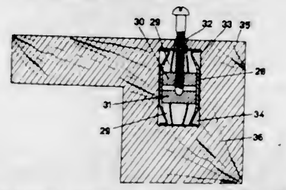
1. In combination with an automobile body, a master-door; means for locking same from the outside of the car; other doors, bolt means for said other doors; retracting means for each bolt means; dogging means for each of the retracting means, including a movable part at the edge of each door whereby its dogging means is operable; a single controller inside the car for a plurality of said dogging means; and mechanical means operative between said controller and the aforesaid parts whereby said parts are simultaneously operable from said controller.

2,102,998
LINER FOR BEARINGS
Ernest R. Darby and Philip J. Potter, Detroit, Mich., assignors to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
Application April 29, 1936, Serial No. 77,004
6 Claims. (Cl. 75—151)



3. A cadmium-base bearing metal alloy consisting of from 5 to 45 per cent lead, 5 to 45 per cent zinc, 50 to 90 per cent cadmium, together with at least one of the metals from the group consisting of copper, silver and nickel in a relatively small percentage ranging from 0.1 to 1.0 per cent each to prevent segregation.

2,102,999
FASTENER
Abraham de Vries, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Ijzerhandel I. M. de Vries, Amsterdam, Netherlands
Application May 17, 1935, Serial No. 22,031
In Germany June 4, 1934
2 Claims. (Cl. 85—2.4)

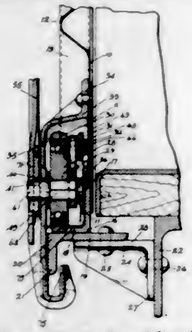


1. A fastening member for furniture fittings of the kind fixed to a support and having a plurality of fastening tongues adapted to be expanded by a mandrel inserted inbetween, comprising a sleeve provided with narrow slots forming tongues which in the unexpanded position form a substantially continuous ring, said sleeve converging inwardly toward one end, said tongues being bent outwardly at said end substantially at right angles to the sleeve axis, the ends of said bent out portions being sufficiently thin as to penetrate into the support when expanded.

2,103,000
LIFT DOOR
Frank Ditchfield, Cleveland, Ohio, assignor to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1935, Serial No. 24,225
17 Claims. (Cl. 20—22)

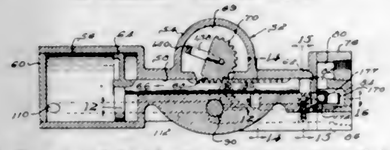
15. In a railway house car having a sliding door and a door track, spaced shafts carried by

said door, members eccentrically mounted upon said shafts for rotation therewith, the periphery of said members being circular, collars rotatably surrounding said members and being concentric



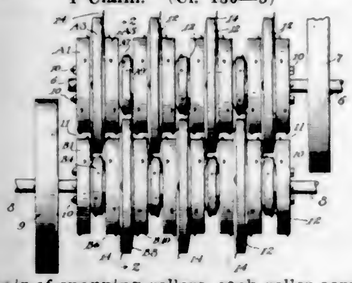
with the periphery thereof, said collars engaging said track, means fixed upon said shafts, a bar connecting said means and a lever mounted upon one of said shafts.

2,103,001
WINDSHIELD WIPER MECHANISM
Robert B. Evans, Grosse Pointe, and Earl W. Dilg and George Germann, Detroit, Mich., assignors to E. S. Evans and Sons, Detroit, Mich., a corporation of Michigan
Application August 28, 1933, Serial No. 687,062
26 Claims. (Cl. 121—164)



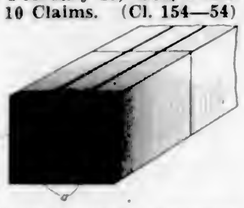
1. In a windshield wiper motor actuated by a fluid under pressure, in combination, a body having a pair of cylinders, one of which is a working cylinder, connected pistons in said cylinders, means for reciprocating the piston in the working cylinder, said body being formed with a pocket therein adapted to receive fluid leaking from the working cylinder and to drain such leakage into the other cylinder, and means permitting discharge of fluid compressed in said other cylinder.

2,103,002
SNAPPING ROLLER
John Rudolph Faber, Flint, Mich.
Application April 28, 1937, Serial No. 139,575
1 Claim. (Cl. 130—5)



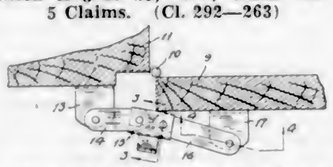
A pair of snapping rollers, each roller comprising a series of disks of different diameters assembled in relation beside each other to form ribs and grooves the sides of which are stepped, the peripheries of the disks being uncorrugated and the surfaces of the rollers being spaced from each other at all points to form a clear zigzag passage between the rollers, the side edges of some of the smaller diametered disks being beveled and other mating larger diametered disks having teeth projecting into the spaces produced by the bevels.

2,103,003
COMPOSITION STRIP
Albert C. Fischer, Chicago, Ill.
Application February 15, 1932, Serial No. 593,028
10 Claims. (Cl. 154—54)



1. A cellular structural member constituting a load-sustaining composite slab comprising strips of resilient sponged material wherein the cells are unbroken and elongated in shape juxtaposed with the major axes of the cells normal to the load bearing surface, and an intervening adhesive layer between said strips.

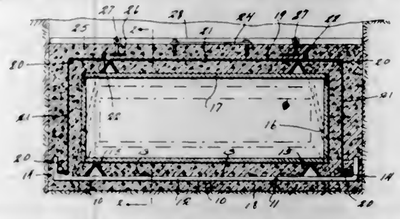
2,103,004
DOOR CHECK
George Halinka, Detroit, Mich.
Application August 29, 1935, Serial No. 38,387
5 Claims. (Cl. 292—263)



1. A door check for preventing undue opening of a door swingably mounted on a stationary structure comprising: a bracket mounted on said stationary structure; a link pivotally mounted at one of its ends to said bracket; a connecting plate pivotally connected at one of its ends to the opposite end of said link; a second link of greater length than said first link and pivotally connected at one of its ends to the opposite end of said plate; and a bracket fixedly mounted on said door and pivotally connected at the opposite end to said longer link, the pivotal points of said links and plate assuming a straight line position just prior to the authorized limit of opening of the door.

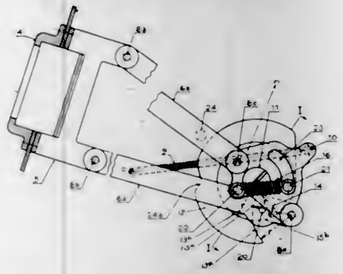
2,103,005
SEAMLESS GRAVE VAULT AND METHOD OF FORMING IT
John H. Handley, Des Moines, Iowa
Application March 18, 1937, Serial No. 131,737
3 Claims. (Cl. 72—7)

1. A grave vault having integral top, bottom, end and side walls, a base reinforcing element disposed within the bottom wall and including longitudinal and transversely extending reinforcing members, an upper reinforcing element extending throughout and embedded within the top, end and side walls and comprising longitudinal and transversely extending reinforming members, the base reinforcing element having upwardly turned end portions, the upper reinforcing element having side and end portions disposed



within the upwardly turned end portions of the base element, and yokes arching over the upper reinforcing element and having hooks engaging with the lower reinforcing element, the yokes being embedded within the side and top walls of the vault.

2,103,006
PROTECTIVE SHIELD FOR ELECTRICAL WELDERS
Max Helfenstein and Felix Max Hirsig, Lucerne, Switzerland
Application March 10, 1936, Serial No. 68,010
In Germany July 26, 1935
5 Claims. (Cl. 2—8)

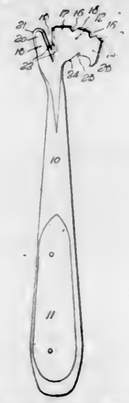


1. A protective shield for welders comprising a cap adapted to fit on the welder's head, a shield pivotally mounted on said cap and having a window therein, said shield being pivoted to said cap on each side through a pair of links each of which is pivoted at its inner end to said cap and at its outer end to said shield, and spring means for counterbalancing the weight of said shield whereby the shield will be freely movable but remain in any adjusted position.

2,103,007
LUSTROUS PIGMENT AND METHOD OF MANUFACTURING AND USING IT
Heinz Hunsdiecker, Cologne-Lindenthal, Germany
No Drawing. Application May 5, 1934, Serial No. 724,222. In Germany August 22, 1933
4 Claims. (Cl. 134—67)

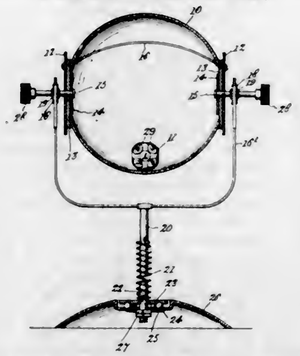
1. The process for the manufacture of a lustrous pigment, said process comprising the precipitation of lead phosphate as $PbHPO_4$ by reacting a solution of a lead salt with a solution of phosphoric acid in admixture with one of the group consisting of alcohol, acetic acid, acetone, diacetone alcohol, isopropyl alcohol and the glycol ethers, the permissive range of concentration of each reacting solution being from saturation to such relative concentration of each solution that the lead content of the two solutions combined, calculated as lead phosphate, will be at least 0.1 gram per litre.

2,103,008
COMBINATION TOOL
John J. Kinast, Beloit, Wis.
Application December 2, 1936, Serial No. 113,909
1 Claim. (Cl. 254—21)



An improvement in a tack puller of the general type comprising a substantially straight shank having a longitudinal hand-grip at its rear end and two inwardly beveled tack-straddling fingers projecting forwardly from its front end; said improvement consisting of a lateral wing integral with one of said fingers and having a convexedly curved front edge extending from the front end of said one of said fingers; whereby forward pushing of said shank will force said fingers under the head of a tack to loosen the latter, and turning of said shank toward said wing will cause the tool to rock upon said curved front edge of said wing to elevate the loosened tack.

2,103,009
AGITATOR FOR GAME ELEMENTS
Charles F. Klein, Baltimore, Md.
Application February 11, 1937, Serial No. 125,318
6 Claims. (Cl. 273—145)



1. A game element agitator, comprising a transparent body portion adapted to enclose a

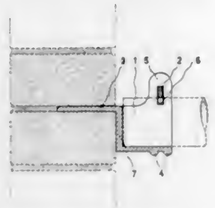
game element, a support horizontally and pivotally connected to the body portion to admit rotation of the latter to roll the game element therein, a base, and a spring stem rotatably mounted between the support and the base for admitting rotation and oscillation of the support on the base for changing the direction of rolling of the game element in the body portion as the latter is rotated.

2,103,010

WALL CONNECTER

Johan Friedrich Köhnke, Haarlem, Netherlands

Application March 21, 1936, Serial No. 70,039
In the Netherlands April 2, 1935
2 Claims. (Cl. 72—108)



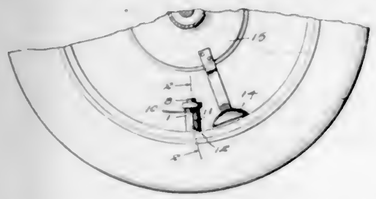
1. A joist supporting bracket comprising in combination, a socket of U-section formed with a bottom, two side walls and a rear wall, and a supporting plate fixed to the top of said side and rear walls and extending at right angles to the rear wall, said plate being of greater width than said socket, and bracing members extending from said plate towards the side walls of said socket.

2,103,011

TIRE DEFLATION SIGNAL

John V. McMahon, Ness City, Kans.

Application May 16, 1936, Serial No. 80,199
2 Claims. (Cl. 116—34)



2. In combination with a wheel having a pneumatic tire thereon and an adjacent stationary portion of a vehicle body, a percussion signal carried by said stationary portion of the vehicle body, a casing carried by the felly of the wheel, said felly having an opening communicating with said casing, a spring pressed plunger slidable in said casing and having a portion engageable through said opening for contact with an inner tube, a hammer swingably carried by said casing, and releasable holding means engageable with said hammer and projecting into said casing for contact with said plunger to hold said hammer in inoperative position, the inner tube when inflated holding said plunger in retracted position, deflation of said inner tube releasing said plunger for movement outwardly through said opening, outward movement of said plunger releasing said holding means.

2,103,012

CELLULOSE ESTERS

Richard Müller, Mannheim-Neuostheim, Martin Schenck, Mannheim, and Wilhelm Wirbatz, Mannheim-Waldhof, Germany, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany

No Drawing. Application March 19, 1932, Serial No. 600,060. In Germany March 24, 1931
18 Claims. (Cl. 260—101)

1. In the manufacture of cellulose esters of organic acids, the process which comprises reacting upon a cellulose material, of the group consisting of cellulose and the derivatives of cellulose having free and available hydroxyl groups, with an organic acylating agent in the presence of a substantial amount of added sulfur dioxide and of a small amount of a catalyst selected from a group consisting of perchloric acid and its salts, while maintaining a uniform temperature in the reacting zone not substantially exceeding 50° C.

2,103,013

PORTABLE SURGICAL LAMP

Patrick A. Nirdlinger, Madison, Wis., assignor, by mesne assignments, to Scanlon-Morris Company, Madison, Wis., a corporation of Wisconsin

Application December 3, 1934, Serial No. 755,795
7 Claims. (Cl. 248—123)



1. A surgical lamp comprising a substantially vertical supporting post, a bracket on the upper end of said post mounted for limited rotation about a vertical axis, a substantially horizontal bar carried by said bracket and mounted for oscillation about its own axis and for tilting movement about a horizontal axis at right angles to its own axis, a counter-weight on one end of said bar, a fork projecting from the other end of said bar, and a light projector pivotally mounted between the ends of said fork, and adjustable tension means extending through the entire length of said bar from a point beyond said counterweight, through the latter, and operatively connected to said light projector for effecting tilting movement thereof about its pivoting axis.

2,103,014

DELAY BLASTING CAP

Mario Palmieri, South Glastonbury, and Samuel D. Ehrlich, Glastonbury, Conn.

Application March 9, 1936, Serial No. 67,926
9 Claims. (Cl. 102—10)

1. A delay blasting cap comprising in combination, a casing, a detonating mixture therein, a heating mixture spaced from said detonating mixture, a heat conducting metal in heating proximity with said heating mixture and in contact with said detonating mixture and igniting means for said heating mixture in contact therewith.

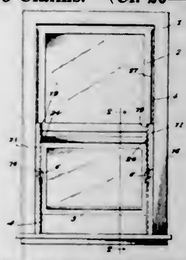


2,103,015

REVERSIBLE SASH ATTACHMENT

William E. Peters, Watervliet, N. Y., assignor of two-fifths to Matilde Castellani, Albany, N. Y.

Application February 15, 1937, Serial No. 125,854
5 Claims. (Cl. 20—49)



5. In a device of the class described, the combination with a sash, plates fastened to the side edges of said sash, each plate provided with grooves, said sash provided with a groove registering with the grooves of said plates, of runner casings engaging said sash and said plates, each runner casing provided with a hollow channel, a locking strip substantially U-shaped in cross section in each channel, and springs in each channel and exerting outward pressure on each locking strip.

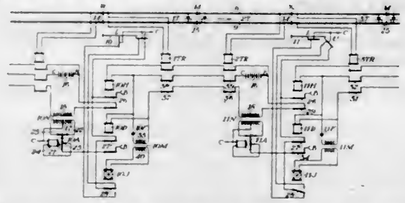
2,103,016

RAILWAY SIGNALING

George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 26, 1936, Serial No. 70,925
12 Claims. (Cl. 246—50)

1. In combination, a section of railway track, a home and a distant relay for said section controlled over separate circuits including at least three conductors extending through the section, means controlled by traffic conditions for supplying current of one character to the circuit for said home relay when the section is unoccupied and for also supplying current of said one character to the circuit for the distant relay under certain traffic conditions in advance of said section, another circuit for said section including an auxiliary relay and at least two of said conductors, means responsive to other traffic conditions in advance of said section for supplying current of a



different character to said other circuit for selectively controlling said auxiliary relay, and traffic governing means for said section controlled by said three relays.

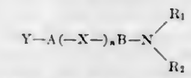
2,103,017

BASIC DERIVATIVES OF CYCLIC ETHER-LIKE COMPOUNDS

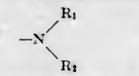
Bruno Pützer and Fritz Schönhöfer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 17, 1931, Serial No. 569,536. In Germany October 23, 1930
12 Claims. (Cl. 260—128)

1. Basic derivatives of cyclic ethers of the formula:

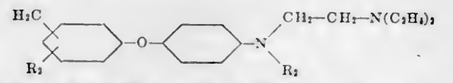


wherein A stands for a radical of the class of six membered ring compounds, B stands for a radical of the class of at most bicyclic nuclear compounds, X stands for a member selected from the group consisting of oxygen and sulfur, the free linkages of each X being attached to nuclear carbon atoms of A and B, n stands for one of the numbers 1 and 2, R_1 stands for a member selected from the class consisting of aminoalkyl and alkylaminoalkyl groups, R_2 stands for a member selected from the group consisting of hydrogen, aminoalkyl and alkylaminoalkyl, Y stands for one of the groups hydrogen and



wherein R_1 and R_2 stand for the same substituents as defined above, said cyclic ethers being strong bases which are insoluble in water, soluble in organic solvents, yielding with acids salts which in general are soluble in water and are suitable for pharmaceutical purposes.

8. Basic derivatives of cyclic ethers of the formula:



wherein R_2 stands for a member selected from the class consisting of hydrogen, aminoalkyl and alkylaminoalkyl, and R_3 stands for one of the members hydrogen and methyl, said cyclic ethers being strong bases which are insoluble in water, soluble in organic solvents, yielding with acids salts which in general are soluble in water and are suitable for pharmaceutical purposes.

2,103,018

PROCESS FOR ENHANCING THE STABILITY TO WATER OF EFFECTS PRODUCED MECHANICALLY ON TEXTILES CONTAINING CELLULOSE

Andreas Ruperti, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 23, 1936, Serial No. 70,540. In Switzerland March 28, 1935
8 Claims. (Cl. 8—20)

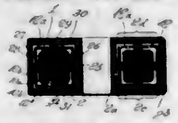
1. A process for enhancing the stability to water of effects unstable to water produced locally by mechanical means on textiles containing cellulose, which consists in esterifying the cellulose, after the effect has been produced, with retention of the structure of the cellulose.

2,103,019

SLOW ELECTROMAGNETIC DEVICE

Albert B. Rypinski, Laurelton, Long Island, N. Y.

Application March 21, 1935, Serial No. 12,292
3 Claims. (Cl. 171—242)



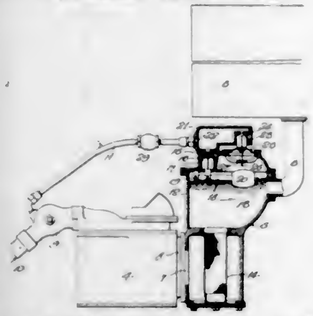
1. An electromagnetic device comprising a pair of inductively coupled and opposed windings connected in parallel one with respect to the other, said windings being formed of materials having the same temperature coefficients of resistance other than zero, said windings mounted on a core of magnetic material, one winding constituting an inner winding and the other an outer winding, said outer winding surrounding said inner winding at every point of said windings, said second winding having pancake sections bridging the gap at the ends of said first winding between said circumferential winding and said core, so that when energized, substantially all magnetism originating in either winding threads the other, and conjugate cover members enclosing said inner winding and insulating said inner winding from said outer winding.

2,103,020

SIPHON-BREAKING MEANS FOR LIQUID METERING SYSTEMS

Armas J. Saarinen, San Francisco, Calif., assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California

Application April 10, 1937, Serial No. 136,184
6 Claims. (Cl. 221—67)



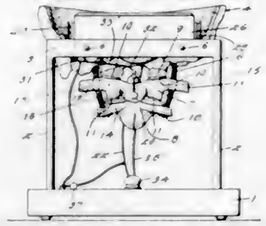
1. In a liquid metering system in which unbroken siphonic action would empty the meter, said system having an air eliminator casing through which liquid flows to the meter; means controlled partly by the liquid level in said casing and partly by the pressure within said casing for venting air and gases from said casing as it fills with liquid and for later conducting some siphon-breaking air from said casing and some siphon-breaking air from another source into a portion of the system at the outlet side of the meter.

2,103,021

CHIROPRACTIC DEMONSTRATING DEVICE

George Wesley Salsman, La Junta, Colo.

Application April 7, 1936, Serial No. 73,182
3 Claims. (Cl. 35—17)



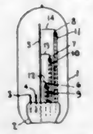
1. In a device of the character described, an occipital bone, supporting means therefor, an atlas bone in normal relation with the occipital bone, an axis bone in normal relation with the atlas, the said last two bones having openings formed in the transverse processes thereof, spring elements passing through said openings and coupling the bones for articulation, said axis bone normally having the odontoid process in opposed relation with the anterior arch of the atlas, a pair of normally touching electric contacts, one contact being on said arch and the other contact being on said process, a second pair of normally touching contacts, one of the second contacts being electrically connected with the arch carried contact and the other of the second contacts being rigid with the skull bone, and an electric circuit having both of said pairs of contacts, a source of electric potential and an incandescent bulb in series relation therein.

2,103,022

GASEOUS DISCHARGE TUBE

Alexander Senauke, New York, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware

Application August 23, 1933, Serial No. 686,331
7 Claims. (Cl. 250—27.5)



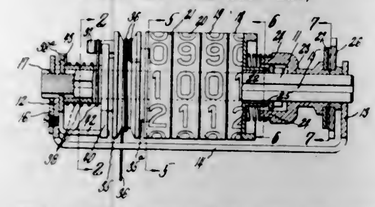
1. A gaseous discharge tube comprising an envelope containing gas at relatively low pressure, an anode, a main elongated cathode having the characteristic of producing a discharge variable in length along said cathode in response to changes in amplitude of applied anode-cathode voltages, and an auxiliary electrode therein, said auxiliary electrode having a portion located in juxtaposition to said main cathode and at a point intermediate said anode and the remote end of said cathode and having its other portions protected from current passing thereto, whereby current will not flow to said auxiliary electrode until the discharge on said cathode has reached the juxtaposed portion of said auxiliary electrode.

2,103,023

ODOMETER RESET

Walter E. Sherwood, Pepperell, Mass., assignor to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts

Application December 13, 1934, Serial No. 757,352
4 Claims. (Cl. 235—144)



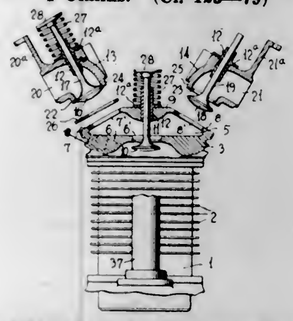
1. The combination with a counting element, of a spring retracted setting element for imparting rotation to said counting element in one direction only, manual means for turning said setting element in the direction opposite to its spring retracted movement, a stop abutment carried by said setting element, a stationary stop abutment, and an intermediate stop member movable relatively to each of said abutments and having shoulders complemental to each of said abutments.

2,103,024

INTERNAL COMBUSTION ENGINE

Thomas Noah Smith, San Antonio, Tex.

Application March 11, 1936, Serial No. 68,303
4 Claims. (Cl. 123—79)



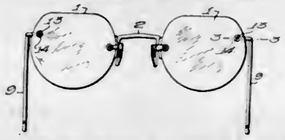
1. An internal combustion engine comprising a plurality of parallel cylinders, a cylinder head element consisting of a one piece casting to which all of said cylinders are connected, said cylinder head being formed adjacent each cylinder with a chamber having inner and outer walls, said inner wall having a valve controlled port establishing communication between said chamber and cylinder, and said outer wall having an opening at each side of said port, and intake and exhaust valve assemblies detachably secured to said outer wall, each of said assemblies comprising a single casting co-extensive in length with said cylinder head and having a series of ports in communication with said openings, and a corresponding series of spring-closed valves mounted in said casting and controlling the flow of gases through said ports and openings.

2,103,025

EYEGLASSES

Aron S. Treger, Independence, Kans.

Application August 26, 1936, Serial No. 98,046
2 Claims. (Cl. 88—47)



1. An eyeglass of the character described, comprising a pair of lenses, a bridge connecting said lenses, said lenses each formed near their outer edge with an opening of non-circular form in peripheral outline, temple bars, and a connection between each of the temple bars and its corresponding lens, said connection comprising a single member having its forward portion formed with a lug of non-circular form in peripheral outline to fit the non-circular opening in said lens, the rearward end of said connection terminating in a cylindrical temple connecting lug, the axis of said cylindrical lug being outwardly offset from the axis of said connection, a screw threaded opening in the outer end of said lug, a fastening screw engaging said threaded opening of the lug to retain the member in place and a pivotal connection at the inner end of said member between the member and temple bar.

2,103,026

GOLF TEE

Richard Manley Van Valkenburg, Fulton, N. Y.

Application April 1, 1937, Serial No. 134,363
3 Claims. (Cl. 273—33)



1. A golf tee comprising a laminated member having incisions in its upper portion defining liftable tabs adapted to support a golf ball in elevated position on said member, said incisions intersecting and providing a slotted opening and such point of intersection forming a common fingernail receiving opening for lifting the respective tabs and integral braces struck from the tabs and extending vertically with its lower end resting on the member when said tabs are in lifted position to support the tabs in upwardly extended position.

2,103,027

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Hans Alterthum, Berlin-Wilmersdorf, and Arved Lompe, Berlin, Germany, assignors to General Electric Company, a corporation of New York

No Drawing. Application July 6, 1937, Serial No. 152,270. In Germany July 10, 1936
1 Claim. (Cl. 176—124)

The method of operating a gaseous electric discharge lamp device comprising a container, electrodes sealed therein and an atmosphere therein of a mixture of gaseous constituents having different ionizing potentials which method consists in the step of causing a greater current flow in one direction than in the opposite direction in the device and of such magnitude that the concen-

tration-drop of the filling which is caused by electrophoresis during an increase of the current strength produces a voltage increase which outweighs the voltage decrease caused in the column by the simultaneously occurring increase of the electrically charged particles and the decrease of the electrode-drops, so that the characteristic of the tube is a rising one.

2,103,028

ELECTRIC CONDUCTION DEVICE

Cornelis Bol, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application May 22, 1935, Serial No. 22,898
In Germany June 4, 1934
5 Claims. (Cl. 176—122)



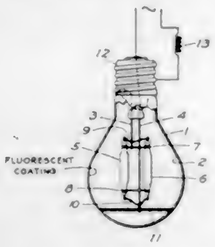
1. An electric gaseous discharge device comprising a sealed envelope, a tubular extension connected to said envelope by means of a pinch seal, and a base member affixed to the end of said extension.

2,103,029

ELECTRIC GASEOUS DISCHARGE LAMP

Leonard J. Davies, Rugby, England, assignor to General Electric Company, a corporation of New York

Application September 28, 1936, Serial No. 103,012
In Great Britain October 7, 1935
5 Claims. (Cl. 176—122)



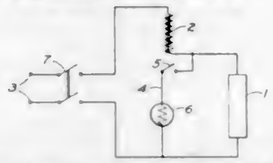
3. An electric lighting unit comprising, in combination, an envelope having fluorescent and diffusing properties, and a pair of vapor discharge devices connected in parallel and located within said envelope, whereby said unit has substantially the same light distribution regardless of which of said devices is operating within said envelope.

2,103,030

GASEOUS ELECTRIC DISCHARGE DEVICE

Eduard G. Dorgelo, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application July 10, 1936, Serial No. 89,984
In Germany July 19, 1935
3 Claims. (Cl. 176—124)



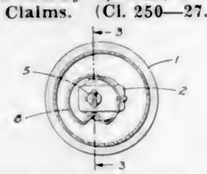
1. In combination an electric discharge device, an automatic starting means which ceases operation on the starting of said device connected in series therewith and a fuse consisting of a metal wire having a high positive thermal coefficient of electrical resistance enclosed by a sealed container having gaseous atmosphere therein, said fuse being connected in series with said starting means and across the terminals of said device to interrupt current flow through said starting means on the failure of said discharge device to start at a predetermined time after potential is applied to said device.

2,103,031

ELECTRIC GASEOUS DISCHARGE DEVICE

Ted E. Foulke, Nutley, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application February 8, 1935, Serial No. 5,670
3 Claims. (Cl. 250—27.5)



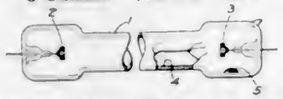
1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous atmosphere, and an anode and a cathode within said envelope, said cathode being in the form of a cylinder surrounding said anode with a V-shaped indentation therein whose apex is closer to said anode than the remainder of said cylinder, the inner surface of said cylinder being coated with a substance having a low work function.

2,103,032

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Otto Fritze, Berlin, Alfred Rüttenauer, Berlin-Halensee, and Kurt Wiegand, Berlin-Tempelhof, Germany, assignors to General Electric Company, a corporation of New York

Application November 7, 1935, Serial No. 48,736
In Germany November 13, 1934
3 Claims. (Cl. 176—122)



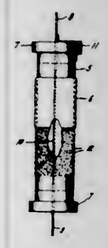
1. A gaseous electric discharge lamp comprising a container, electrodes sealed therein, a gaseous atmosphere therein capable of emitting visible and ultra-violet light when excited by an electric discharge therethrough and zinc-silicate mounted in light receiving relation to the discharge in said lamp, said zinc-silicate having a grain size of approximately 1 to 5 μ.

2,103,033

ELECTRON EMISSIVE ELECTRODE

George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application August 10, 1934, Serial No. 739,270
2 Claims. (Cl. 250—27.5)



1. A unipotential glow discharge electrode comprising a hollow nickel base scabrous with discrete tiny tungsten projections, a filamentary heater mounted in said base, and a thin surfacing on said base of electron-emissive oxide material adherent in the inequalities, the depth of said material being substantially uniform over the entire discharge supporting surface of said electrode.

2,103,034

GASEOUS AND VAPOR ELECTRIC DISCHARGE DEVICE

George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application September 11, 1934, Serial No. 743,504
13 Claims. (Cl. 176—122)



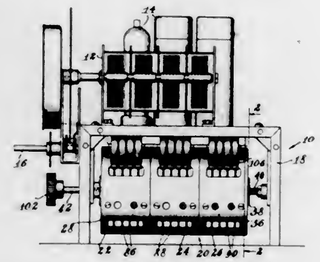
1. A positive column electric discharge device comprising an envelope containing an ionizable gaseous atmosphere therein for the starting and operation of the device; widely separated coacting main discharge electrodes in said envelope, one at least thermionic; a discharge circuit for said main electrodes, and a heating circuit for said thermionic electrode having a relatively short discharge gap thereacross in the atmosphere in said envelope; heating means in said heating circuit for said thermionic main electrode; and voltage-controlling means for said heating circuit automatically permitting thereacross a voltage sufficiently exceeding the ionizing potential of the atmosphere in the envelope, during starting, to produce a local discharge across its said gap and thereby ionize the atmosphere and start the main discharge between said electrodes, and thereafter reducing the heating circuit voltage and thus preventing objectionable persistence of such local discharge.

2,103,035

SWITCHING AND SUPPORTING DEVICE FOR ELECTRICAL APPARATUS

William P. Lear, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 31, 1934, Serial No. 742,230
3 Claims. (Cl. 171—119)



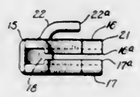
1. In a tuning device for multi-range radio receivers, in combination, a multi-compartment drum constituted by a plurality of nested metallic chambers, a plurality of electrically disconnected interstage transformer-assemblies circumferentially disposed within each chamber and insulated therefrom, a plurality of rigid contact members connected to each transformer-assembly and projecting radially through openings in the wall of the associated chamber, a plurality of groups of fixed flexible contact members, one group for each chamber, the individual contact members of each group lying in the path of movement of the projecting contact members when the chamber assembly is rotated about its axis and serving to place in circuit the transformers corresponding to any desired adjustment, and a plurality of grounded contact members arcuately spaced apart from the flexible contact members and insulated therefrom, the said grounded contact members also so circumferentially disposed with respect to the several groups of fixed contact members that they serve to short-circuit the transformer-assemblies covering the band of frequencies just below the band at which the receiver may momentarily be adjusted to receive.

2,103,036

SLIDER FOR SEPARABLE FASTENERS

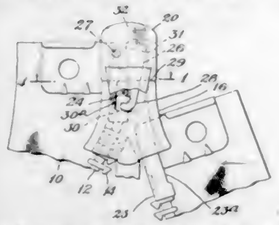
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application September 10, 1935, Serial No. 39,908
8 Claims. (Cl. 24—205)



3. A slider for separable fasteners of the class described, said slider comprising a unitary molded body the outer surface of one side wall of which is flat and provided with an integral coupling loop arranged within the boundary edges of said wall, one end only of said loop being integrally united with said wall, and the other end being arranged in abutting relation to said wall.

2,103,037
SEPARABLE FASTENER
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application October 22, 1936, Serial No. 106,962
22 Claims. (Cl. 24—205)



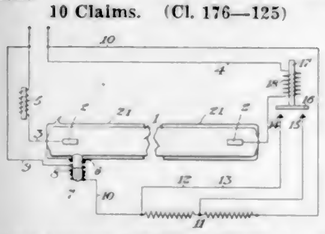
1. In separable fasteners employing stringers and a slider movable longitudinally of the stringers to couple and uncouple the same and an end stop coupling one end of the stringers, means involving coupling elements composed of rigid material on said end stop and slider for positively and detachably coupling the slider with said end stop to prevent separation of said parts when in juxtaposition to each other.

2,103,038
GASEOUS ELECTRIC ARC DISCHARGE LAMP DEVICE
Kurt Moers, Berlin-Steglitz, Germany, assignor to General Electric Company, a corporation of New York
Application July 25, 1934, Serial No. 736,940
In Germany August 24, 1933
4 Claims. (Cl. 176—122)



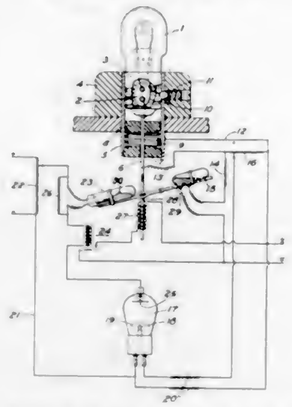
1. An arc discharge lamp comprising a container, electrodes sealed therein, a gaseous filling therein comprising cadmium vapor and hydrogen.

2,103,039
GASEOUS ELECTRIC DISCHARGE DEVICE
Marcello Pirani, Berlin-Wilmersdorf, and Martin Reger, Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application May 27, 1930, Serial No. 456,235. Renewed October 12, 1934. In Germany July 10, 1929
10 Claims. (Cl. 176—125)



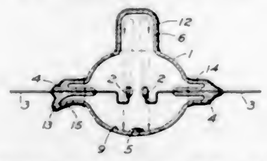
5. In an electric discharge device, a container, electrodes sealed therein, an offset chamber fused to said container containing a material vaporizable by heat, means to heat said chamber, and means to maintain said container at a higher temperature than said chamber.

2,103,040
MANUFACTURE OF RESISTANCE BODIES
Thomas J. Radcliffe, Belleville, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey
Application December 30, 1935, Serial No. 56,797
2 Claims. (Cl. 201—63)



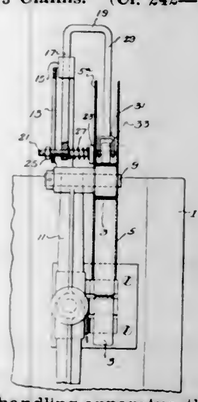
1. In apparatus for adjusting the value of a resistance which is subject to permanent change upon the application of heat, in combination, means to pass a heating current through said resistance, means responsive to the voltage drop across said resistance to interrupt the flow of said current when said resistance has attained a predetermined value, and means to prevent the operation of said interrupting means during the initial heating of said resistance.

2,103,041
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Robert Rompe, Berlin, and Wolfgang Thouret, Berlin-Wilmersdorf, Germany, assignors to General Electric Company, a corporation of New York
Application August 21, 1936, Serial No. 97,278
In Germany August 28, 1935
4 Claims. (Cl. 176—123)



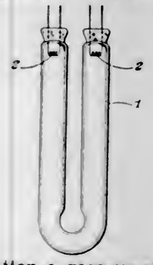
1. A gaseous electric discharge lamp device comprising a spherical container, a gaseous atmosphere therein, electrodes and electrode leads sealed therein, said electrodes being separated a distance less than the diameter of said container and being mounted adjacent the center of said container, said electrode leads being substantially in line and being fused into opposite parts of said container, and a dome-like, protruding appendage in the wall of said container above said electrodes, the axis of said appendage being substantially normal to said electrode leads and the discharge path between said electrodes to prevent the formation of light absorbing electrically conducting deposits of sputtered electrode material at other parts of said container.

2,103,042
FILM HANDLING APPARATUS
Lawrence T. Sachtleben, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1935, Serial No. 47,670
3 Claims. (Cl. 242—75)



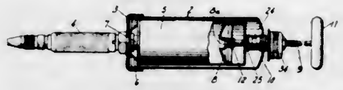
1. In film handling apparatus, the combination of a supply reel mounted for normally free rotation and including a side plate, a film spirally wound on said reel, means for withdrawing said film from said reel, a brake pad mounted for movement radially of said side plate, a roller engaging the periphery of the film spiral and having connection with said brake pad, said roller being arranged to accommodate itself to said spiral periphery regardless of the diameter thereof and to cause movement of said brake pad radially of said side plate whereby the radial distance of said brake pad from the center of said reel is proportional to the diameter of the film spiral at any instant, a spring arranged to constantly press said brake pad against said side plate whereby said brake pad is adapted to restrain free rotation of said reel for maintaining the tension of the span of film between said reel and said withdrawing means constant, and means for varying the tension in said spring whereby to control the braking force applied to said side plate by said brake pad.

2,103,043
GASEOUS ELECTRIC DISCHARGE DEVICE
Pancras Schoonenberg and Josephus A. M. Smelt, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application July 22, 1935, Serial No. 32,608
In Germany July 26, 1934
3 Claims. (Cl. 176—122)



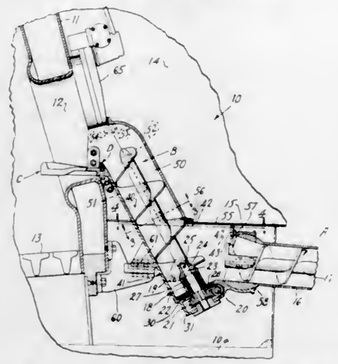
1. In combination a gaseous electric discharge device of the positive column type comprising a container, electrodes sealed therein, a gaseous atmosphere therein comprising an alkali metal vapor, and means to supply sufficient electrical energy to said device to cause a voltage drop along the positive column discharge greater than 2.2 volts per cm. and a current density in said discharge greater than 0.4 ampere per cm.^{2}, the inner surface of said container being of a borosilicate glass containing less than 10% silica and more than 11% alkali oxide.

2,103,044
LUBRICATING DEVICE
Harry R. Tear, Evanston, Ill., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application November 30, 1934, Serial No. 755,255
13 Claims. (Cl. 221—47.4)



10. A lubricant dispensing device for use with an interchangeable lubricant cartridge comprising, a housing to receive a cartridge, a feed screw extending into the housing and engageable with the cartridge to place the contents thereof under pressure, a threaded member carried by the housing and engaging the feed screw, and means for holding said threaded member against rotation, said means being releasable in response to a predetermined back pressure on the feed screw.

2,103,045
LOCOMOTIVE STOKER
Edwin Archer Turner, New York, N. Y., assignor, by mesne assignments, to The Standard Stoker Company, (1922), New York, N. Y., a corporation of Delaware
Application December 20, 1935, Serial No. 55,303
4 Claims. (Cl. 198—15)



1. In a locomotive, in combination, a firebox having a backhead with a firing opening therein, a cab, a deck for said cab and a stoker elevating conveyor extending from beneath said deck forwardly and upwardly to the firing opening, the angle of inclination of said conveyor with respect to the backhead being such that the extended axis of the conveyor intersects the plane of the backhead, said conveyor comprising a conduit and a screw rotatable therein, said conduit including a casing shell portion and a hopper por-

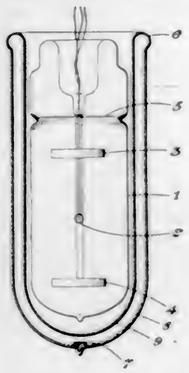
tion rigidly secured to said backhead and arranged with the casing shell portion above said deck and the hopper portion beneath said deck, said hopper and casing shell portions being approximately U-shaped in cross section, the free edges of said U-shaped portions defining a continuous opening providing access to the interior of said conduit from said cab, the lower portion of said screw being within said hopper portion and the upper portion of said screw being in said casing shell portion, and a detachable cover on said hopper and casing shell portions closing the opening thereof into the cab, said last named opening upon removing said cover permitting the screw to be removed and replaced from said cab.

2,103,046

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Willem Uyterhoeven and Cornelis Verburg, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York

Application August 25, 1934, Serial No. 741,400
In Germany September 13, 1933
1 Claim. (Cl. 240—11.4)



A lamp unit comprising in combination a gaseous electric discharge lamp device and a heat conservator therefor, said conservator consisting of a double walled jacket separably mounted about said lamp and a material in the space between the walls of said jacket which material gives off gaseous matter in response to increasing ambient temperature and which returns to its original state when the temperature drops.

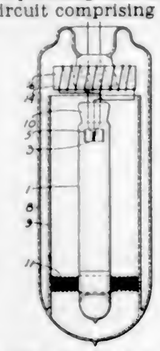
2,103,047

GASEOUS ELECTRIC DISCHARGE DEVICE

Willem Uyterhoeven and Cornelis Verburg, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York

Application September 21, 1936, Serial No. 101,822
In Germany September 24, 1935
4 Claims. (Cl. 176—124)

1. A gaseous electric discharge device comprising a container, electrodes sealed therein and a gaseous filling therein, one of said electrodes being a main discharge supporting electrode which is electron emitting when heated and another of said electrodes being an auxiliary starting electrode, said auxiliary electrode being mounted in operative relation to said main electrode, an auxiliary starting circuit connected in parallel with the main discharge path in said device and incorporating said auxiliary electrode, said starting circuit comprising a resistance having a large positive thermal co-efficient of electrical resistance.

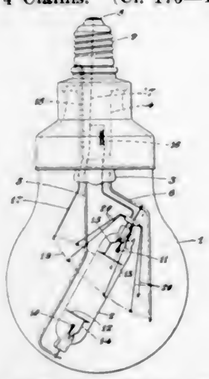


2,103,048

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Karl Weidhaas, Berlin-Treptow, Germany, assignor to General Electric Company, a corporation of New York

Application January 9, 1934, Serial No. 705,937
In Germany January 12, 1933
4 Claims. (Cl. 176—1)



1. A lamp unit comprising in combination an envelope, an incandescent filament and a gaseous electric discharge lamp device mounted in said envelope, said lamp device comprising a straight, sealed, tubular container having electrodes mounted axially therein adjacent each end thereof and having a gaseous atmosphere therein, the longitudinal axis of said container being at an acute angle with respect to the longitudinal axis of said envelope, said filament being mounted in a plane substantially at right angles to the longitudinal axis of said discharge device, said discharge device and said incandescent filament being connected in series.

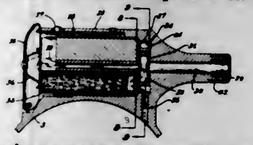
2,103,049

SUCTION CLEANER

Uncas A. Whitaker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application January 2, 1935, Serial No. 113
1 Claim. (Cl. 21—127)

In an odorizer unit, a body formed with an open ended cavity and with a passageway extending from the inner end of said cavity adapted to be connected to a source of suction, a plurality of seats in said cavity adapted to receive volatile-element-containing receptacles, receptacles adapted to contain differently scented volatile elements positioned in said seats, the inner end of said cavity forward of said receptacles being formed as a valve chamber open to said passage-



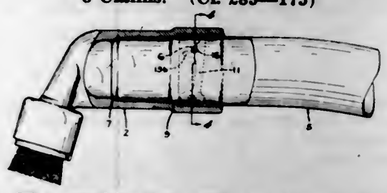
way, a second passageway connecting said chamber to atmosphere, valve means in said chamber adapted to connect selectively any one of said receptacles between said passageways so that air passing therebetween passes into contact with a volatile element, and control means operable from the exterior of said body to control manually the position of said valve.

2,103,050

DUSTING TOOL FOR SUCTION CLEANERS

Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application February 26, 1936, Serial No. 65,768
8 Claims. (Cl. 285—175)



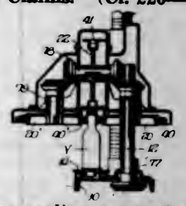
1. The combination with a pair of tubular members adapted to have their end portions connected by fitting one within the other, of a resilient bayonet type joint therefor comprising projecting lugs disposed diametrically opposite each other on the internal of said tubular members and coacting connecting members mounted within the external of said tubular members and having resilient arms provided with marginal notches adapted to contact said lugs and yieldingly lock said tubular members together in the predetermined relative rotation thereof.

2,103,051

PACKAGE SEALING APPARATUS

William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware

Original application February 2, 1933, Serial No. 654,847. Divided and this application July 5, 1935, Serial No. 29,806
10 Claims. (Cl. 226—80)



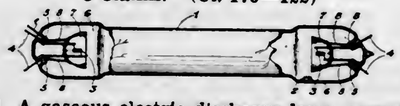
1. In package sealing apparatus, in combination, a closure-supporting means adapted to retentively support a closure, means for supporting a packing container during movement of same past said closure-supporting means, elastically deformable belts arranged to travel in contact with each other along a portion of the container's path and adapted to grasp the container between them, and means for transmitting said holding members past the closure-supporting means in the direction of the movement of the container.

2,103,052

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Kurt Wiegand, Berlin-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York

Application June 12, 1935, Serial No. 26,289
In Germany June 18, 1934
3 Claims. (Cl. 176—122)



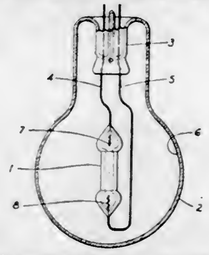
1. A gaseous electric discharge lamp comprising a container, thermionic electrodes sealed therein, a gaseous atmosphere therein comprising a metal vapor, and a parabolic reflector therein, one of said electrodes being mounted in the focal point of said reflector, said reflector being an auxiliary starting electrode and directing the heat rays from said electrode along the discharge path in said lamp.

2,103,053

GASEOUS ELECTRIC DISCHARGE DEVICE

Nicolaas W. H. Addink, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York

Application August 23, 1937, Serial No. 160,549
In Germany September 3, 1936
1 Claim. (Cl. 176—122)



A lamp unit comprising in combination a gaseous electric discharge lamp device and a luminescent sulphide mounted in light receiving relation to said lamp device, said material being emissive in the visible spectral ranges when irradiated by said lamp and containing halides in such small amounts that the light output and the color of the light emitted by said sulphide is substantially unaffected by said halides for a long useful operating life of the lamp unit.

2,103,054

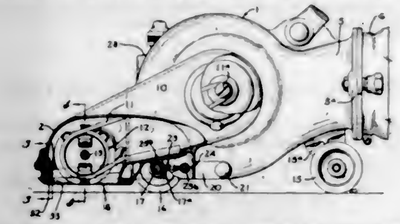
SUCTION CLEANER

Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application February 10, 1936, Serial No. 63,131
6 Claims. (Cl. 15—16)

1. In a suction cleaner, the combination of a casing having a nozzle extending transversely

thereof and open at its bottom, a plate adapted to seat over the opening to said nozzle and slotted to form a suction mouth, said plate having arms extending rearwardly and pivotally connected with said casing whereby said plate may be swung downwardly from its normal position, wheels for supporting said casing including an



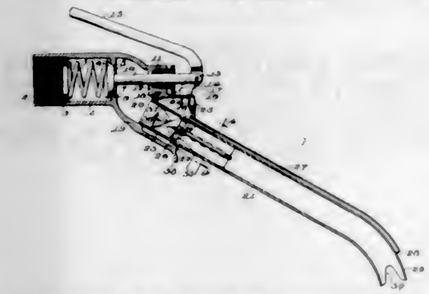
axle having arms extending radially therefrom and pivotally mounted on said plate, tension means acting to retain said axle in a predetermined position relative to said plate and means mounted on said casing and adapted to engage said axle for shifting the same bodily relative to said plate.

2,103,055

LIQUID LEVEL INDICATING VALVE

Everett H. Bickley, Bala-Cynwyd, Pa.

Application February 29, 1936, Serial No. 66,385
7 Claims. (Cl. 226—66)



1. A liquid level indicator, comprising a discharge tube, having a cutaway portion in its discharge end, to permit the free flow of liquid laterally from said tube, when the outlet of said tube is obstructed by an extraneous object, an auxiliary tube having its intake end positioned in the general neighborhood of the discharge end of said first tube, said tubes communicating with each other at substantially their relatively upper end portions, such communication being within a closed chamber, a gas-actuated audible signal connecting the interior with the exterior of said chamber, and movable means in said first tube and operative under the influence of fluid flowing thru said first tube, to cause voids in such liquid and thereby draw gas thru said signal, when the intake end of said auxiliary tube is obstructed.

2,103,056

CUT-OUT AND JOINT THEREFOR

Theodore Birkenmaier, St. Louis, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri

Application October 1, 1936, Serial No. 103,523
7 Claims. (Cl. 200—115.5)

1. A cutout comprising a clamp adapted to be permanently attached to a line wire, a depending socket on said clamp, a latch associated with said socket, a fuse holder, a fuse therein, a ball extending from said fuse holder and adapted to be engaged with said socket, said latch automatically locking said ball into the



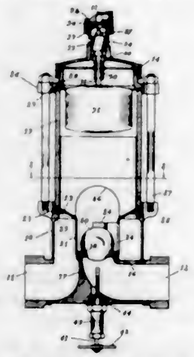
socket against normal reaction due to blowing of a fuse in the fuse holder, and means associated with said ball adapted to move the latch to releasing position when said ball is rotated as by manually pushing on the fuse holder.

2,103,057

GAS AND AIR TRAP

Jacob C. Blumer, Monroe, Wis., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application March 4, 1935, Serial No. 9,270
12 Claims. (Cl. 137—68)



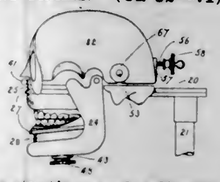
1. A device for venting gas and air from a liquid supply line, comprising a housing having an inlet for liquid and an outlet for said liquid, a member interposed between the inlet and outlet and having openings for admitting the liquid, means adapted to close said outlet but being caused to open by the flow of liquid to the housing, said openings in said member directing the initial flow of liquid upwardly to assist said means in opening the outlet, an exhaust opening in the upper portion of the housing for exhausting gas and air to the atmosphere, and an exhaust valve mechanically disconnected from said closing means and responsive to the liquid level within said housing for controlling said exhaust opening.

2,103,058

DENTURE DEMONSTRATING DEVICE

George Henry Burtenshaw, Taumarunui, New Zealand, assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York

Application August 16, 1935, Serial No. 36,603
In New Zealand September 3, 1934
14 Claims. (Cl. 32—71)



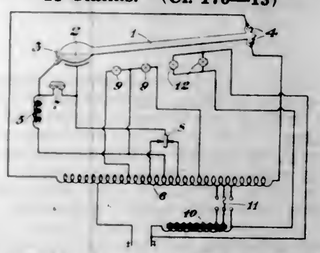
7. A demonstrating and adjusting device for artificial dentures, comprising an upper jaw frame, an upper denture, means for mounting said denture in position on said frame, a lower jaw frame, means for pivotally mounting said lower jaw frame on the upper jaw frame to simulate the human jaw structure, a lower denture carried by the lower jaw frame, means for freely adjusting the position of the lower denture in a substantially vertical direction relatively to said lower jaw frame, and guiding means for confining the movement of the lower denture to a fixed substantially vertical direction relatively to the lower jaw frame while maintaining the initial occlusal surface alignment of the lower denture relatively to the lower jaw frame to simulate the displacement of an artificial lower denture in the human mouth upon shrinkage of the lower gums.

2,103,059

METHOD OF AND APPARATUS FOR OPERATING ELECTRIC DISCHARGE DEVICES

Leroy J. Buttolph, Grantwood, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application January 23, 1933, Serial No. 653,144
13 Claims. (Cl. 176—13)



1. In combination, an electric gaseous discharge device, a reactor which is adapted to be saturated in operation in series therewith, and an incandescent lamp in parallel with said reactor.

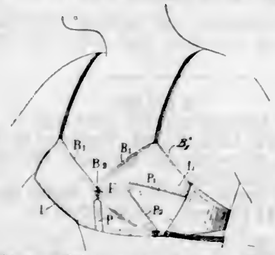
2,103,060

BRASSIÈRE

Marcel Cadolle, Paris, France

Application November 23, 1934, Serial No. 754,394
In France January 29, 1934
1 Claim. (Cl. 2—42)

In a brassière having a pair of shoulder straps and two side straps adapted to be attached to each other and two pockets for the breasts interconnected at the intermediate portion of the brassière, the combination, in each pocket, of a fabric having an edge at the side disposed along the bias and an upper peaked edge shaped as an inverted V to the apex of which one of said shoulder straps is attached, the other end of each shoulder strap being attached to one of the side straps, the lower edge of the pocket being cut on the bias of the fabric and having reinforcing stitching along the same, a side binding secured to the bias side edge of the fabric and a



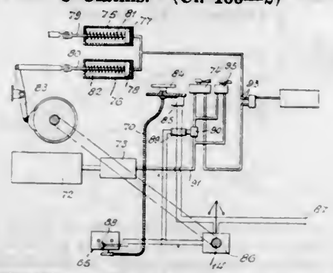
pair of darts which extends radially toward the center of the pocket, said darts having their main edges cut at an angle to each other on the straight of the fabric, one dart extending from the lower reinforced edge of the brassière, one dart extending from the center of the pocket outwardly to said lower reinforced edge and the other dart extending from said center to said side binding, and both darts also converging toward said center in the direction of the straight of the fabric.

2,103,061

BRAKE SYSTEM FOR TRAINS

Friedrich Konrad Clar, Berlin-Hermsdorf, Germany, assignor to Rheinmetall-Borsig Aktiengesellschaft/Werk Borsig Berlin-Tegel, Berlin-Tegel, Germany, a corporation of Germany, and Carl Geissen, Berlin-Schoneberg, Germany

Application January 18, 1937, Serial No. 121,072
In Germany January 20, 1936
5 Claims. (Cl. 188—2)



1. A braking system for trains, comprising in combination, a hydraulic brake, a frictional brake, and automatically operable means for applying said hydraulic brake only while the train is traveling at a high speed and for switching off said hydraulic brake and applying said frictional brake when the speed of said train has diminished to a predeterminable extent.

2,103,062

SHOE LAST CONSTRUCTION

George C. Clark, Beverly Hills, Calif.

Application April 17, 1936, Serial No. 74,885
9 Claims. (Cl. 12—140)

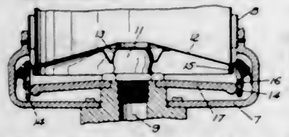
1. A shoe last having a bottom face provided with a recess, a tacking element seated therein, said recess having a side wall provided with a

lug projecting interiorly of the recess and embedded in the tacking element, said lug having



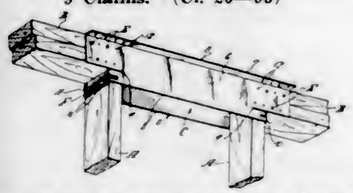
a shoulder engaging the tacking strip below the outer edge of the side wall provided with the lug.

2,103,063
LUBRICATING DEVICE
Otto B. Clark, Chicago, Ill., assignor to The Lubrication Corporation, Chicago, Ill., a corporation of Delaware
Application September 5, 1936, Serial No. 99,509
11 Claims. (Cl. 221—47.1)



1. A lubricating device comprising, lubricant dispensing means, an interchangeable lubricant cartridge to supply lubricant to the dispensing means, a fastening member carried by the dispensing means and movable into and out of engagement with the cartridge to secure the cartridge to the dispensing means, a pivotally mounted disc having a cam portion engaging the fastening means to operate the same, and means for moving the disc.

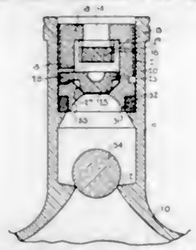
2,103,064
STUD TIE
Rufus B. Clark, St. Louis, Mo.
Application November 9, 1936, Serial No. 109,854
9 Claims. (Cl. 20—95)



1. In combination with a series of studs as set up vertically in a wall and a plate secured horizontally across the upper ends of the studs, the said plate being cut out between an adjacent pair of studs, a tie bar secured horizontally across the upper ends of the plate bridging the gap in the latter, and tongues turned inwardly from the ends of the bar and secured to the studs.

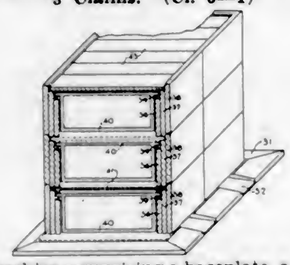
2,103,065
NONREFILLABLE BOTTLE
Samuel G. Conkling, Brooklyn, N. Y.
Application February 15, 1936, Serial No. 64,044
5 Claims. (Cl. 215—25)

1. In a device of the class described, a bottle having a body portion and a neck integral therewith, a cartridge-member mounted in said neck and made to form an integral part therewith, said cartridge-member having a chamber near the bottom thereof and an outlet from said chamber, a valve formed with an arm and reciprocatingly arranged in said chamber, the cartridge-member being made with fine tube-like recesses therein, vertically arranged between the outer surface of said cartridge-member and the neck of the bottle, one of said tube-like recesses penetrating to the chamber proper, said car-



tridge-member being upon the upper part thereof formed with an outer annular recess communicating with the aforesaid tube-like recesses, and orifices horizontally extending from said annular recess to the chamber and connecting indirectly said vertical tube-like recesses with the latter, whereby to obtain an adequate air-inlet to facilitate the flow of the liquid in the bottle.

2,103,066
BEEHIVE
Einar Engelbrektsson, Brooklyn, N. Y., assignor of one-half to Eric Gross, New York, N. Y.
Application April 25, 1933, Serial No. 667,800
3 Claims. (Cl. 6—1)

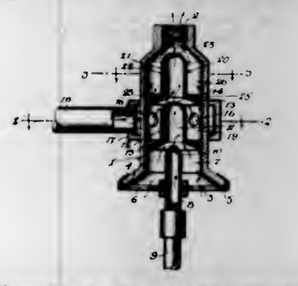


1. A beehive comprising a baseplate, a rectangular four-walled housing, a detachable roof and removable vertical inset-frames suspended within the housing to form partitions and receive honey, respectively, the vertical partition-forming frames consisting each of a rectangular wooden frame, having an upper end and a lower horizontal bar, two vertical side bars, lateral suspension ears in elongation of the upper horizontal bar, groups of thin wires extending between the two lateral side bars, heavier wires at greater distances from one another extending from the upper horizontal bar to the lower horizontal bar, and distancing wedge shaped ledges and flat thickenings at the two sides of the vertical side bars to keep the partition forming frames in proper distance from the neighboring suspension frames.

2,103,067
MIXING VALVE
Richard A. J. Evans, Chicago, Ill.
Application March 17, 1937, Serial No. 131,470
7 Claims. (Cl. 261—76)

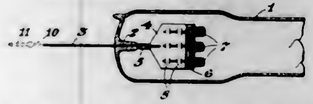
1. An air mixing valve for oil and gas burners comprising a cylinder having a plurality of openings intermediate its length, a full opening at one

end and a restricted opening at the opposite end, an oil jet extending into said cylinder through said full open end adapted to discharge fuel under pressure, an air regulating shutter at said full open end for regulating the entrance of air around said jet, a primary mixing structure having a jet positioned in said cylinder and in line with said oil jet for receiving oil and air, said primary mixing structure having a discharge opening at the end opposite said oil jet of a size



smaller than the area covered by the fuel from said oil jet, and an auxiliary mixing structure having a jet in said cylinder spaced from said primary mixing structure, said auxiliary mixing structure having a discharge opening of less diameter than the area covered by the mixture discharged from the primary mixing structure, said opening being positioned to discharge through said restricted opening, said cylinder having air inlets intermediate its length for supplying said auxiliary mixing structure with air.

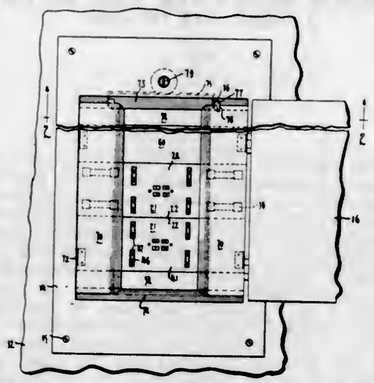
2,103,068
GASEOUS ELECTRIC DISCHARGE DEVICE
Adolf Fehse, Berlin, and Martin Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application February 7, 1935, Serial No. 5,462
In Germany February 15, 1934
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, one of said electrodes comprising a plurality of individual thermionic elements mounted in adjacent parallel positions, said thermionic elements being directly connected in parallel between a common pair of current leads sealed into said container.

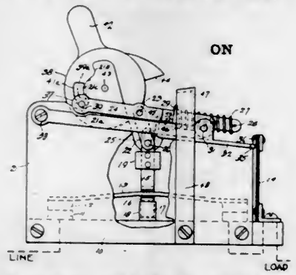
2,103,069
PANEL BOARD AND PARTS THEREOF
William H. Frank, Clarence T. Hollingsworth, and Lawrence E. Fisher, Detroit, Mich.
Application December 26, 1935, Serial No. 56,227
4 Claims. (Cl. 247—10)

1. A panelboard comprising a panel having switches in a central stripe thereof and circuit protective means in side stripes thereof, a masking plate having a large opening exposing the panel with the edges of the opening adjacent edges of the panel, and means for covering the circuit protective stripes only comprising side cover plates within the masking plate opening and proportioned to extend over the circuit protective stripes only and movably mounted on side edges



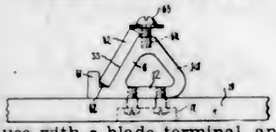
thereof, and a lock controlling said side cover plates only and accessible from in front of said masking plate.

2,103,070
CIRCUIT BREAKER
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application March 6, 1933, Serial No. 659,714. Divided and this application January 9, 1936, Serial No. 58,439
11 Claims. (Cl. 200—116)



9. In a circuit breaker, a frame, a pivotally mounted link, a pivotally mounted handle pivotally connected thereto and operable to slide the link circularly about the pivotal mounting of the handle, a contact controller connected to the link, a spring for opposing movement of the link out of one position and positioned to be stressed by and on movement of the link out of that position and to move the link with a snap action into another position when so stressed and when the link has been moved partially out of the first position and towards such other portion by the handle, and means on the frame for guiding the link, in its movement, so that it slides radially of the handle pivot when it is moved circularly about the handle pivot by the handle, the spring being so positioned that it is stressed more by radial and circular movement of the link than by circular movement thereof alone, the pivotal mounting for the link being automatically releasable on a circuit abnormality to release the link and permit the spring to move it about its pivotal connection to the handle for circuit interruption.

2,103,071
ELECTRICAL CONNECTER
William H. Frank, Detroit, Mich.
Application March 7, 1936, Serial No. 67,741
7 Claims. (Cl. 173—259)



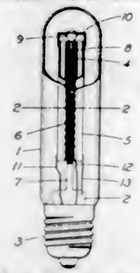
1. For use with a blade terminal, an electrical connecter comprising a body having a base engaging wall having a flange projecting upwardly therefrom and a flat face side wall also projecting upwardly therefrom, to a considerable extent, the adjacent faces of the base, the side wall, and the flange being proportioned and arranged to form an externally exposed pocket of proper dimension to fit closely the edge of the blade terminal, when the latter is inserted within the connecter and engages the aforesaid adjacent faces, and a screw threaded into the upper part of said wall at an obtuse angle to the terminal engaging flat face of the side wall so that its head causes the lower edge of the terminal to be wedged into the pocket and the flat surface of the terminal to be biased along and against the terminal engaging flat face of the side wall and towards the pocket.

2,103,072
DISTRIBUTION PANEL
William H. Frank, Detroit, Mich.
Application August 10, 1936, Serial No. 95,162
8 Claims. (Cl. 247—10)



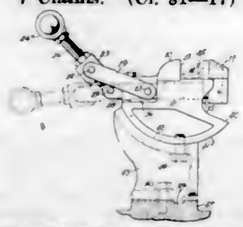
1. A panelboard comprising a panel of small cross sectional area, and a panel casing of uniform cross section considerably greater in length than the panel but only slightly greater in cross sectional area than the panel, to provide a panel enclosing portion and a panel pull box portion, the casing being made up of sheet metal conduit split longitudinally to provide a back section in which is seated the panel, and in which are laid the conductors whose terminals are connected to the panel, and a front section which forms a cover for the pull box portion and for the panel receiving portion of the back section, the front section being split transversely so that the pull box cover is separate from the panel cover, the panel cover being split longitudinally so that each part thereof, when open, exposes a narrow stripe of the panel, one narrow stripe of the panel comprising circuit protective parts arranged in a single vertical row, the other narrow stripe of the panel comprising switching parts arranged in a single vertical row.

2,103,073
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Georg Galdies, Berlin-Pankow, Germany, assignor to General Electric Company, a corporation of New York
Application June 18, 1937, Serial No. 149,004
In Germany, June 24, 1936
1 Claim. (Cl. 176—122)



A cathode glow lamp comprising a tubular container, a gaseous atmosphere therein, electrodes sealed therein, one of said electrodes being a cylindrical mesh cathode, a cylindrical, slitted, sheet metal anode surrounding said cathode and being axially mounted with respect thereto, a rod extending along the axis of said cathode and being surrounded by said cathode and a luminescent material on said rod which material emits visible light under excitation by radiation from the cathode glow discharge between said electrodes.

2,103,074
CLAMPING DEVICE
Ralph D. Gardner, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a corporation of Illinois
Application March 9, 1936, Serial No. 67,761
7 Claims. (Cl. 81—17)

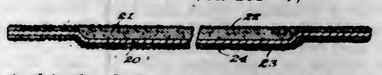


1. A quick release type clamping device comprising, in combination, a fixed clamping jaw having an aperture extending therethrough, a co-operating movable jaw provided with a supporting pin slidably mounted in said aperture, said fixed jaw having a recess formed in the side thereof opposite said movable jaw, a plug slidably mounted in said recess, a threaded rod, means for pivotally connecting said threaded rod to the outer end of said plug, a member threaded on said rod, a link, means for pivotally connecting the opposite ends of said link to said member and to said supporting pin, and means including a compression spring interposed between said plug and the bottom of said recess for limiting the movement of said movable jaw toward said fixed jaw upon relative movement of said rod and said link.

2,103,075
THERAPEUTIC PREPARATION AND METHOD OF MAKING IT
Edward A. Greenspon, Montreal, Quebec, Canada
No Drawing. Application November 23, 1936, Serial No. 112,425. In Canada May 26, 1934
14 Claims. (Cl. 167—74)

5. A method for obtaining a concentrated anti-anemic preparation from gastric material and substantially free from pepsin and like substances deleterious to the anti-anemic substance, which comprises treating fresh gastric material containing said substance with a pepsin extractant non-injurious to said anti-anemic substance to remove substantially all of the pepsin and like deleterious substances contained in the gastric material, separating off from the gastric material the said pepsin extractant with the pepsin and like deleterious substances associated therewith, and concentrating said treated gastric material.

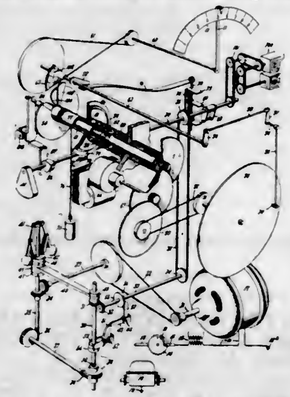
2,103,076
SHINGLE
Norman P. Harshberger and Kathleen M. Harshberger, Scarsdale, N. Y., assignors, by direct and mesne assignments, to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application May 1, 1931, Serial No. 534,324
12 Claims. (Cl. 108—7)



5. A shingle element adapted for wide spaced assembly, comprising a preformed flexible fibrous base having integral portions thereof in different planes, certain of said portions creating opposite flanges of the shingle for side lapping with adjacent shingles in assembly, and another of said portions of the base between said flanges extending in a plane adjacent to that of the flanges and creating a projection extending along the central part of the shingle between the flanges and adapted to substantially prevent sagging in assembly, said base having a wear resistant surfacing upon its weather side and the shingle inwardly of the flange portions having a thickness greater than the flanges and said base and integral portions consisting of a sheet of substantially uniform thickness prior to forming.

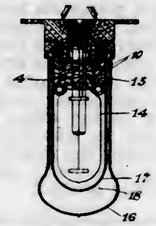
2,103,077
METER
William L. Herron, Hudson, N. Y.
Application September 24, 1936, Serial No. 102,370
16 Claims. (Cl. 73—205)

1. The combination in a device for indicating the speed of an element moving repeatedly over a predetermined path, an indicating member, a cam for determining the position of said indicating member, constant speed driving means for moving said cam at a constant speed from a predetermined starting position, actuating means for said indicating member movable into engagement with said cam to position said indicating member, a driving means for moving said indicating member actuating means into engagement with said cam, control means for said driving means operated by said moving element to start and stop said driving means to thereby position said indicating member each time said element moves a predetermined amount, whereby said member indicates the speed of said element in moving said predetermined amount, and means operated by said driving means for returning said cam to said predetermined starting position after adjustment of said indicating member for



subsequent operation by said constant speed driving means while said element moves another predetermined amount.

2,103,078
GASEOUS ELECTRIC DISCHARGE LAMP
Gilles Holst and Willem Uyterhoeven, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application October 30, 1934, Serial No. 750,713
In the Netherlands November 4, 1933
6 Claims. (Cl. 176—122)

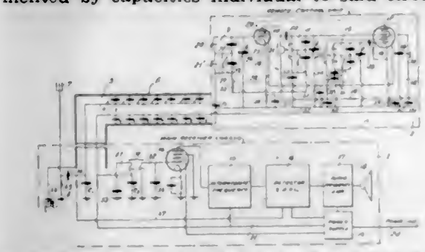


1. A lamp unit comprising in combination a gaseous electric discharge vapor lamp device and a heat conservator in which said lamp device is mounted, said lamp device comprising a container, electrodes sealed therein and a septum dividing the stem part of said container from the other parts thereof, the discharge path between said electrodes being in closer proximity to said septum than to the end parts of said container opposite said septum and said stem.

2,103,079
WAVE SIGNALING SYSTEM
John Kelly Johnson, Rye, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware
Application November 15, 1934, Serial No. 753,103
4 Claims. (Cl. 250—20)

1. In a wave signaling system: a signal translating circuit tunable throughout a plurality of frequency bands, an antenna circuit spaced therefrom, said antenna circuit being capacitively reactive at the frequencies of tuning of said tunable circuit, a pair of cable conductors extending between said circuits, and means capacitively coupling said circuits comprising, the capacity

inherent between said cable conductors supplemented by capacities individual to said circuits



and bridged between said conductors thereat respectively.

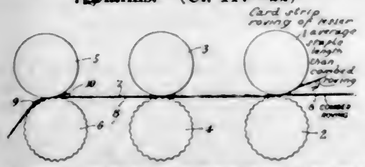
2,103,080

PROCESS FOR PRODUCING LINEN-LIKE MATERIALS AND PRODUCTS THEREFROM

John Killars, Jr., Spartanburg, S. C., assignor, by mesne assignments, to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

Application December 29, 1933, Serial No. 704,400

7 Claims. (Cl. 117—22)



1. A process for producing linen-like material from cotton which comprises taking two cotton rovings of unequal staple length, feeding the fibers of the rovings between rolls and separating the fibers of one roving at irregular intervals to form irregularly spaced neps and slubs and maintaining a substantially uninterrupted and unbroken feeding of the other roving so that it acts as a carrier to transport the neps and slubs formed, whereby the resulting combination of rovings shows irregularly spaced neps and slubs in the resulting product.

2,103,081

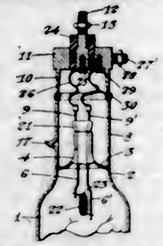
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Hermann Krefft, Berlin-Friedrichshagen, Germany, assignor to General Electric Company, a corporation of New York

Application August 5, 1935, Serial No. 34,811

In Germany August 10, 1934

5 Claims. (Cl. 176—126)



1. A base for a gaseous electric discharge lamp device, said lamp device comprising a container having a stem protruding therefrom and a current lead of easily oxidizable material sealed into said stem and projecting therefrom, said base being a hollow, hermetically sealed vessel fused to said lamp container and enclosing said stem and the part of said lead projecting outwardly therefrom, said base having an electrical contact mounted thereon at the end thereof remote from said lamp container, the outwardly projecting part of said current lead in said base being attached to said contact, a portion of the structure comprising said lead and said base being flexible.

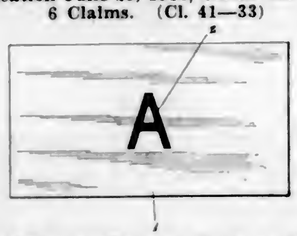
2,103,082

TRANSFER

Winthrop Stanley Lawrence, Rego Park, N. Y., assignor to Kaumagraph Company, New York, N. Y., a corporation of New York

Application June 25, 1934, Serial No. 732,351

6 Claims. (Cl. 41—33)



1. A heat transfer comprising a paper base having a marking, said marking being readily releasable from said base under heat and pressure and being fusible and stable at a temperature which is less than 250° C., said marking becoming substantially infusible when it is subjected to a temperature of 250° C. under pressure.

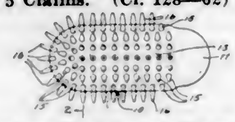
2,103,083

TEETH CLEANING AND GUM MASSAGING DEVICE

Frances I. Lynch, Yonkers, N. Y., assignor to Indexo Finger Tooth Brush, Inc., New York, N. Y., a corporation of New York

Application March 30, 1936, Serial No. 71,712

5 Claims. (Cl. 128—62)



3. A dental conditioning appliance comprising a flexible cot, a plurality of pointed projections having a uniform length on the front face of the cot, a plurality of pointed projections of a length greater than that of the first mentioned pointed projections forming a fringe about the area covered by the first mentioned projections, and a gum massaging area on the rear face of the cot.

2,103,084

FARE REGISTER

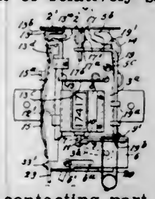
Soren Madsen, Bergenfield, N. J., assignor of one-fourth to Joseph F. O'Brien, Englewood, N. J.

Application October 19, 1935, Serial No. 45,734

5 Claims. (Cl. 235—32)

1. In a fare register of the character specified, a casing having a coin-insertion slot, a counter-mechanism having character wheels and an actuating shaft, a pair of pivoted levers having coin-contact portions arranged at opposed ends and partially obstructing said coin-slot against the admission of coins of varying diameters, one

of said levers having a counter-actuating connection with said actuating shaft and a range of movement sufficient to produce plural or single registering movements of the counter-actuating shaft, said lever being movable by coins of varying diameters, and the other lever cooperating with said counter-actuating lever and having a coin-contacting portion spaced from the coin-contacting portion of said counter-actuating lever a distance in stationary position sufficient to cause a coin of relatively short diameter to



move the coin-contacting part of said counter-actuating lever to produce a plural registering movement of said counter-actuating shaft, latching means for retaining said cooperating lever in stationary position during insertion of a coin of relatively short diameter and releasable to cause movement thereof by a coin of relatively long diameter whereby said counter-actuating lever and said actuating shaft will be moved through a lesser distance to produce a single registering movement.

2,103,085

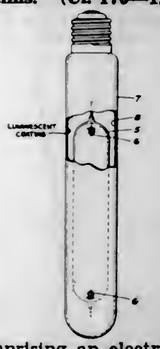
ELECTRIC LAMP

Alfred Hamilton McKeag and John Turton Randall, Middlesex, England, assignors to General Electric Company, a corporation of New York

Application July 16, 1937, Serial No. 154,085

In Great Britain July 23, 1936

4 Claims. (Cl. 176—122)



2. A lamp comprising an electric gaseous discharge device containing mercury and having a coating of zinc-beryllium silicate in substantially the proportions indicated by the formula $BeO.ZnO.SiO_2$ together with 0.5% of manganese exposed to the radiations from said device, whereby the light emitted by said device when a discharge is produced therein is substantially white.

2,103,086

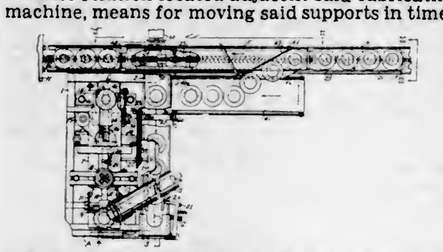
APPARATUS FOR MANUFACTURING POTTERY WARE

William J. Miller, Swissvale, Pa.

Application June 10, 1935, Serial No. 25,701

12 Claims. (Cl. 25—2)

1. Apparatus for the manufacture of pottery-ware comprising, in combination, a dryer having a conveyor therein and a plurality of removable mold supports, an automatic potteryware fabricating machine, conveying means on which a plurality of said mold supports may be arranged in endwise relation located adjacent said fabricating machine, means for moving said supports in timed



relation with the operation of said fabricating machine and means for automatically transferring molds from said supports to said machine for filling and means for transferring filled molds from said machine to said supports, said supports being replaced on said dryer conveyor when filled with filled molds.

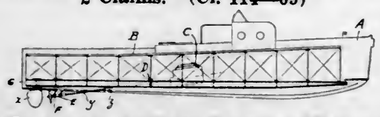
2,103,087

POWER BOAT

Benjamin W. Morris, Jr., Essex, Conn.

Application November 3, 1933, Serial No. 696,485

2 Claims. (Cl. 114—65)



1. In a power boat, a hull, a frame independent of the hull and extending fore and aft within the hull, non-rigid resilient means forming the sole connection between the frame and hull, a power plant mounted on the frame independent of the hull, a propeller shaft, inboard and outboard propeller shaft bearings, the power plant and propeller shaft bearings being mounted on said frame independent of said hull.

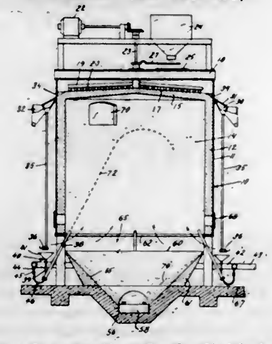
2,103,088

APPARATUS FOR TREATING ORES

Edwin J. Mullen, New Rochelle, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application December 31, 1934, Serial No. 759,874

1 Claim. (Cl. 266—20)



Apparatus for roasting finely divided metal sulfides comprising a shell forming a vertically disposed combustion chamber, a plurality of sulfide

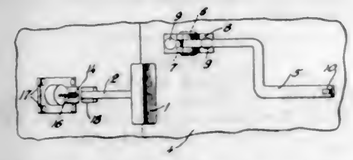
fines feeding nozzles spaced about the periphery of the shell adjacent the base thereof, said nozzles being inclined at a relatively high angle to the horizontal and opening into the combustion chamber at points higher than the inlet ends of the fines feeding nozzles, means for feeding fines into the feed nozzles to charge fines into the combustion chamber, a hopper-shaped hearth positioned beneath the combustion chamber, the upper edge of said hearth being spaced substantially from the lower edge of the shell to thereby provide a peripheral air inlet for the combustion chamber, means for discharging cinder from the hearth, and a gas outlet at the top of the combustion chamber for withdrawing gaseous products of combustion.

2,103,089

AUTOMOBILE BRAKE CONTROLLING DEVICE

Antoni Pichucki, Sydney, Nova Scotia, Canada

Application February 27, 1937, Serial No. 128,213
1 Claim. (Cl. 70—202)



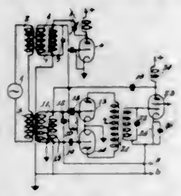
In a vehicle equipped with a pedal controlled braking system, a device to lock the brake pedal in a braking position, comprising a base to one side of the pedal and rearwardly thereof, a crank-shaped locking member hinged therein and comprising a hinged base portion and laterally offset pedal-engaging portion, provided with means to interlock with locking means above said pedal, said crank-shaped locking member being mounted in such a way as to leave foot space in front of the pedal free of any obstructions.

2,103,090

MEANS FOR AND METHOD OF GENERATING ELECTRICAL CURRENTS

Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York

Application November 27, 1935, Serial No. 51,821
In Poland December 5, 1934
12 Claims. (Cl. 250—36)



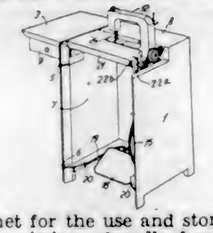
12. A method of producing periodic peak voltages comprising the steps of generating a pair of substantially sinusoidal currents of like frequency, mutually modulating said currents to derive therefrom a resultant current of distorted wave shape, amplifying the resultant current and regeneratively reacting upon one of said first currents with amplified energy derived from said resultant current.

2,103,091

CABINET FOR THE USE AND STORAGE OF AN INSTRUMENT

Ramon Casas Robert, Barcelona, Spain

Application December 1, 1936, Serial No. 113,541
In Spain February 1, 1936
2 Claims. (Cl. 312—30)



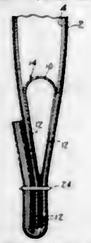
1. A cabinet for the use and storage of an instrument, consisting of walls forming a casing open at its front and top, an instrument connected with an upper stationary part of the casing by means whereby it may be suspended from said part in one position and may be swung therefrom to a raised position for use, means for supporting the instrument in the raised position, a door having a table integral therewith hinged to the casing on a vertical axis, whereby the door and table may be swung from a position in which they close the cabinet into a position wherein the door lies parallel and adjacent one of the sides of the casing and the table forms an extension of the top face of the cabinet.

2,103,092

BAG AND METHOD OF PRODUCING THE SAME

Francis T. Robinson, Rockville Centre, N. Y., assignor to Arkell Safety Bag Company, New York, N. Y., a corporation of New York

Application August 19, 1933, Serial No. 685,808
8 Claims. (Cl. 93—35)



1. The method of forming a seam for bags of the class described which comprises turning outwardly opposed marginal portions of the walls of the bag, securing a strip by means of adhesive over said outwardly turned portions with the longitudinal central portion of the strip left unsecured, bringing said outwardly turned portions together with the strip folded over upon itself between them, folding over the longitudinal edge portions of the two walls against a side of the bag, and stitching the seam by means of a line of stitches extending through said folded edge portions and said strip, the line of stitches being spaced a distance outwardly from the edges of said unsecured central portion of the strip.

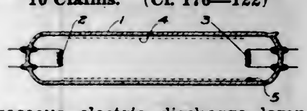
5. A bag having its edges closed by a seam comprising a strip folded longitudinally upon itself and secured by adhesive to the inner sides of the walls of the bag, with its longitudinal edges spaced inwardly from the edges of the bag and with the central portion of the strip innermost and left unsecured, said edges of the bag being folded over against the side of the bag, and a line of stitches extending through said secured edges and through the folded portions of the strip, said line of stitches being spaced outwardly from said unsecured portion of the strip.

2,103,093

GASEOUS ELECTRIC DISCHARGE LAMP DEVICE

Alfred Ruttenauer, Berlin-Halensee, Germany, assignor to General Electric Company, a corporation of New York

Application December 2, 1936, Serial No. 113,897. Renewed August 24, 1937. In Germany May 30, 1936
10 Claims. (Cl. 176—122)



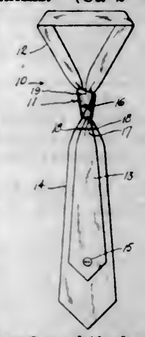
1. A gaseous electric discharge lamp device comprising a container, electrodes sealed therein, a gaseous atmosphere therein comprising mercury vapor and a coating of cadmium silicate associated with said lamp, said cadmium silicate containing from 0.5 to 1% manganese.

2,103,094

FOUR-IN-HAND NECKTIE

Alfred Scharlin, Brooklyn, N. Y.

Application November 2, 1936, Serial No. 108,790
6 Claims. (Cl. 2—150)



1. A four-in-hand necktie having a neckband portion, front and rear tie end portions integral therewith, a slip knot formed from said portions and maintaining said portions in relation to each other, said knot including a plurality of plies or turns transverse of the front and rear tie end portions, the front tie end extending downward through the knot, and means for interconnecting certain of said turns adjacent to the lower end of the knot to prevent opening of the knot and to permit the knot to be tightened by pulling downward on the front tie end, the said plies being otherwise free of each other to facilitate shaping of the knot.

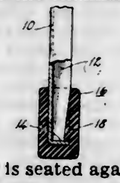
2,103,095

CUSHION FOOT FOR CHAIRS

George D. Schermerhorn, Reading, Mich.

Application May 1, 1935, Serial No. 19,263
2 Claims. (Cl. 45—137)

1. In combination with a leg channel shaped in cross section having an end wall closing said channel, a foot structure hollowed out to be received over the end of the leg and provided with an interior abutment spaced above the bottom of the foot and projecting over the top of the end wall of the leg into the channel thereof when the



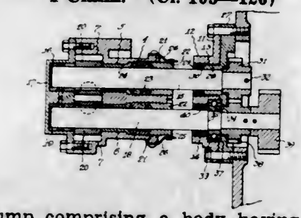
end wall of the leg is seated against the bottom of the foot.

2,103,096

WATER PUMP THRUST BEARING

David Sherwood, Grosse Pointe Park, Mich., assignor to Sherwood Brass Works, Detroit, Mich., a corporation of Michigan

Application November 25, 1935, Serial No. 51,343
1 Claim. (Cl. 103—126)



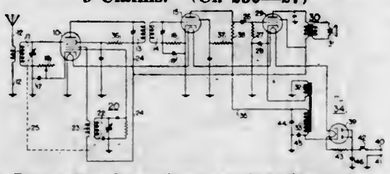
A pump comprising a body having a recess with liquid ports in one end and a pair of parallel bores opening thereinto, a back plate having bores therein, integral yokes supporting said body and plate substantially spaced apart and with respective bores therein co-axial, shafts extending through respective bores and said recess, gear pump members on said shafts within said recess, a cover plate for the recessed end of said body, said cover plate having bearings therein rotatably supporting adjacent ends of said shaft, bearings and packing elements in the bores in said body, end thrust bearings on at least one of said shafts and engaging shoulders on said shaft and said base plate, a supplemental base plate secured to the first base plate and engaging said end thrust bearings to lock the assembly together, and meshing gears on said shafts disposed externally of the supplemental base plate.

2,103,097

POWER SUPPLY SYSTEM FOR SIGNAL RECEIVERS

Benjamin Singer, Bronx, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application June 1, 1936, Serial No. 82,776
9 Claims. (Cl. 250—27)



7. In a signal receiver, a plurality of coupled vacuum tubes each including an anode, a cathode and a control electrode, a translating device including a pair of field windings, a pair of power input terminals adapted to be connected to either an alternating or direct current source of low voltage, and a circuit including the space current paths of said tubes in parallel, said circuit including a unidirectionally conductive device and one of said field windings connected in series between one of said terminals and a common

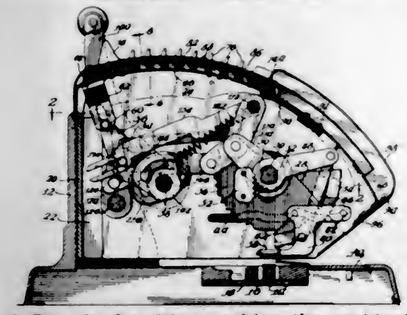
connection to the anodes of said tubes, whereby said one of said field windings is energized and is effective to smooth the space current of said tubes when said input terminals are connected to an alternating current source, and the other of said field windings being common to the anode-cathode and control electrode-cathode circuits of only one of said tubes, whereby it is energized by the space current flowing through said tube and the voltage developed thereacross provides a bias for said one of said tubes.

2,103,098

CHECK WRITER

Ole Slettevold and Clarence W. Johnson, Chicago, Ill., assignors to The Hedman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 15, 1934, Serial No. 711,299
15 Claims. (Cl. 101—93)



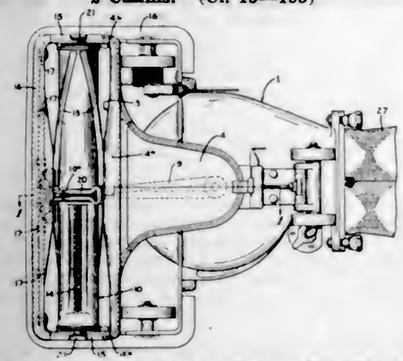
1. In a check writing machine, the combination of a printing couple, set-up mechanism, restoring mechanism for the latter, an operating handle, means for operating said printing couple upon movement of said handle in one direction from its normal position, and means for operating said restoring mechanism upon movement of said handle in a different direction from its normal position.

2,103,099

SUCTION CLEANER

Charles L. Shank and Conrad W. Traut, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application January 17, 1936, Serial No. 59,509
2 Claims. (Cl. 15—155)



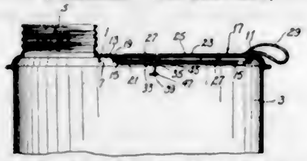
1. In a suction cleaner, the combination of a nozzle and suction creating means communicating with said nozzle, the latter having a downwardly opening mouth gradually increasing in width from its central portion outwardly toward its ends to form widened end portions of uniform width.

2,103,100

STOVE TOP

Sam Strano and Reinold E. Gehne, St. Louis, Mo., assignors to Jackes-Evans Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application February 3, 1937, Serial No. 123,831
7 Claims. (Cl. 126—217)



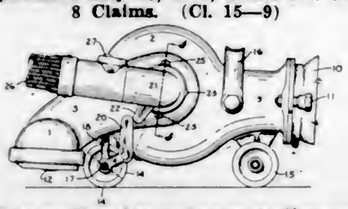
1. In a sheet metal stove, a sheet metal top having an opening, a downwardly extending sleeve within said opening and an inwardly extending flange from said sleeve, a sheet metal lid having a downwardly extending flange adapted to telescope said downwardly extending sleeve and rest upon said inwardly extending flange, a member connected to said top and presenting a hole inwardly of said inwardly extending flange, and a pin attached to said lid and extending through said opening, said pin being of a length adapted to permit of raising the lid from said opening and rotating it laterally on the stove top, and means at the end of the pin adapted to hold it captive within said opening and during rotation of the lid.

2,103,101

SUCTION CLEANER

Charles H. Taylor, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application May 18, 1936, Serial No. 80,275
8 Claims. (Cl. 15—9)



1. In a suction cleaner having suction-creating means, a surface contacting agitator, and a body including a dusting tool seat; means to support said agitator above a surface covering undergoing cleaning, means to adjust said supporting means to raise and lower said agitator and a movable member obstructing said dusting tool seat, said movable member being connected to said supporting means and movable by manual adjustment thereof to a non-obstructing position to permit the attachment of a dusting tool unit to said seat.

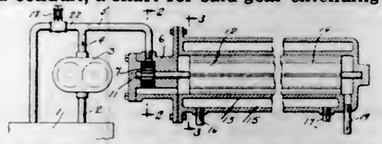
2,103,102

HEAT EXCHANGER

Ralph S. Thoresen, Darien, Conn., assignor to Petroleum Heat and Power Company, New York, N. Y., a corporation of Delaware

Application May 9, 1936, Serial No. 78,745
6 Claims. (Cl. 257—74)

1. In a heat exchange apparatus the combination of a reservoir of fluid to be treated, a heat exchange chamber, a housing therefor, a driven pump for transferring the fluid from the said reservoir to said chamber, a conduit leading from the reservoir to said pump, a conduit leading from said pump to said heat exchange chamber, a motor gear in said housing in communication with said conduit, a shaft for said gear extending into



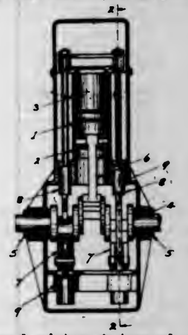
said chamber, a rotor mounted on said shaft, the fluid from said conduit driving said motor to rotate said rotor, said rotor having projections on its surface in frictional engagement with the inner walls of the chamber whereby to circulate the fluid in said chamber and to maintain the walls free of deposits.

2,103,103

INTERNAL COMBUSTION ENGINE

Sydney J. Waters, Santa Monica, Calif.

Application August 17, 1934, Serial No. 740,254
5 Claims. (Cl. 123—51)



4. An opposed piston internal combustion engine comprising a crankcase, a cylinder open at its ends arranged upon the crankcase, a multiple throw crankshaft rotatably mounted on suitable bearings within the crankcase, other bearings or guides within the said crankcase positioned on that side of the crankshaft opposite the cylinder, a pair of oppositely reciprocating pistons within the cylinder, a connection directly connecting the inner piston with the crankshaft, yokes or annuli surrounding the crankshaft and having diametrically disposed extensions and mounted at opposite sides and parallel to the axis of the cylinder, the outer extension of said yokes or annuli connected to the outer piston, and the inner extension of said yokes or annuli reciprocally mounted on the guides within the crankcase, connecting links mounted on the outer throws of the crankshaft and pivotally connected to the inner extension of the yokes or annuli whereby the angularity effect of the connecting rods on the travel of the pistons is the same.

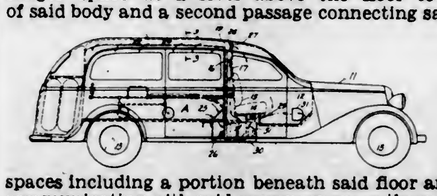
2,103,104

AIR CONDITIONER FOR VEHICLE BODIES

Fred M. Young, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.

Application August 21, 1933, Serial No. 686,025
10 Claims. (Cl. 62—117)

1. In a passenger automobile of the closed body type comprising a front driver's compartment and a rear passenger compartment with a partition between said compartments and a seat in said driver's compartment adjacent said partition, the combination of an air space adjacent the floor of said body and extending beneath said seat, a passage connecting said air space and passenger space at a level above the floor level of said body and a second passage connecting said



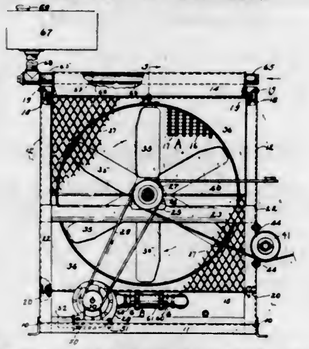
spaces including a portion beneath said floor and communicating with said passenger space through an opening in the floor of the latter, mechanical refrigerating apparatus including a cooling device in said air space and air moving means in said air space for drawing air into the latter through the last mentioned passage and returning it to said passenger space through the first mentioned passage.

2,103,105

RADIATOR

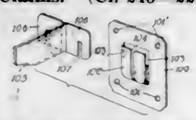
Fred M. Young, Racine, Wis.

Application April 5, 1937, Serial No. 134,928
6 Claims. (Cl. 257—259)



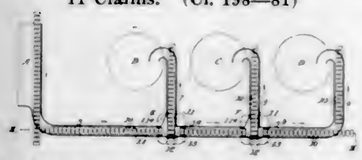
1. A device of the class described, comprising side base members, vertically positioned channels secured to the front end of said base members and having their flanges turned inwardly, a radiator core comprising upper and lower headers having tubes therebetween and a multiplicity of fins through which said tubes extend, one of said headers at its ends being secured to said channels, the ends of the other header having brackets which are slidably embraced by said channels, vertically positioned supplemental frame members secured to the rear end of said base members and extending vertically therefrom to a point midway said channels and secured thereto and having a connecting brace member between the upper ends thereof, said brace member adapted to rotatably support a fan midway the ends thereof, a transverse member secured to the rear end of said base, a multiple V belt sheave secured to the rear end of the shaft of said fan, a cooling liquid circulating pump having a V belt sheave and a belt forming an operative connection to one of the grooves of said fan sheave, a main belt idler sheave secured to one of said vertical members having means for vertical adjustment, said pump having a tube connection to said lower header.

2,103,106
BRACKET DEVICE
Anton Yurkovitch, Pittsburgh, Pa.
Application February 23, 1937, Serial No. 127,214
3 Claims. (Cl. 248—224)



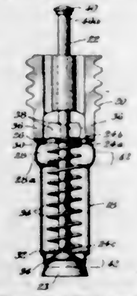
1. A bracket device comprising a plate-like member adapted to be attached to a support and having a bulged out pocket formed therein, said pocket having a narrow central slot extending throughout its length and having slots extending partway down the sides thereof and an interlocking member composed of a body portion of doubled sheet material with lateral extensions having slots extending partly up therethrough and spaced from the doubled sheet material body portion a distance which is equal to the distance of the side slots from the central slot of said pocket.

2,103,107
CONTAINER CONVEYER AND DISTRIBUTOR
Christian N. Bergmann, Pittsburgh, Pa., assignor of two-sixths to Charles M. Clarke, Sewickley, Pa.
Application September 11, 1936, Serial No. 100,304
11 Claims. (Cl. 198—81)



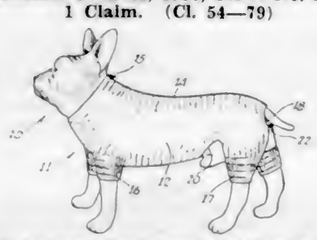
11. A bridge member for horizontal longitudinal and lateral conveyers having a plane upper surface and oppositely located clearance openings for the terminals of the longitudinal conveyers and a clearance opening for the terminal of the lateral conveyer extending between said openings.

2,103,108
PNEUMATIC VALVE
Lewis C. Broecker, Bridgeport, and John Ferguson, Southbury, Conn., assignors to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application December 29, 1932, Serial No. 649,254
Renewed May 18, 1937
15 Claims. (Cl. 152—12)



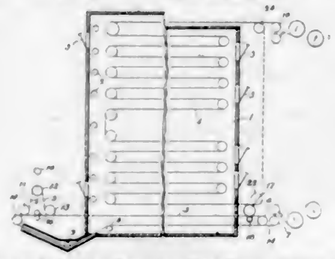
1. In combination with a valve stem having an internal, tapered, annular seat; a valve inclosing a tubular metal barrel whose side wall is outwardly bulged to form an outwardly projecting, annular, thin-walled corrugation at a zone thereof adapted to engage the tapered annular seat and become peripherally conformed thereto when the barrel is forced endwise in the valve stem.

2,103,109
ANIMAL GARMENT
Michael De Mar, New York, N. Y.
Application June 24, 1937, Serial No. 150,072
1 Claim. (Cl. 54—79)



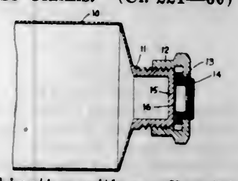
A dog garment comprising a flat body member having parallel side edges and a front and a rear edge, said side edges having complementary fasteners secured thereto and a slider for actuating said fasteners, said body member having a pair of similar apertured foreleg-receiving portions symmetrically positioned intermediate a central line drawn transversely of the garment and said front edge and symmetrically positioned intermediate a line drawn centrally longitudinally of the garment and said parallel side edges, the rear edge of the garment being cut away along said central longitudinal line, said cut away portion being characterized by a pair of apertured rear leg-receiving portions extending from said rear edge inwardly of the garment, said body member having a cut away portion inwardly of said rear leg-receiving portions, and a strap member secured to said rear edge intermediate said rear leg-receiving portions and said parallel edges.

2,103,110
VERTICAL DRIER
Charles A. Dickhaut and Sterling W. Warner, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application April 11, 1936, Serial No. 73,878
8 Claims. (Cl. 34—48)



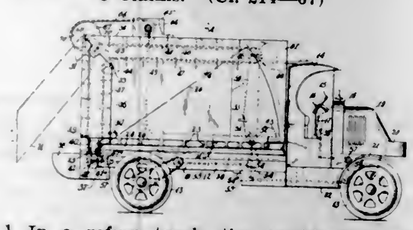
1. In a drier, a drying chamber, a plurality of carriers having mechanisms for gripping by one edge a vertical web of material and transporting the same through said chamber, means for transferring said web from one carrier to another, and means for operating said carriers at different speeds.

2,103,111
PACKAGE FOR PLASTIC MATERIALS
Edward B. Ekdahl, Irvington, N. J., assignor to Sefco Inc., Newark, N. J., a corporation of New Jersey
Application June 22, 1935, Serial No. 27,843
13 Claims. (Cl. 221—60)



1. In combination with a collapsible container for plastic material having a body portion and a neck, a cap for said neck, and a relatively inflexible nozzle member removably held in substantially fixed relation to said neck by said cap.

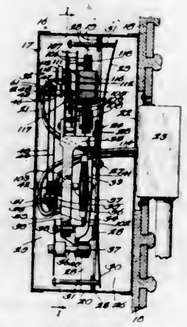
2,103,112
REFUSE TRUCK
Joseph Goodman, New York, N. Y., assignor to Automatic Truck Loader Corporation, New York, N. Y., a corporation of Delaware
Refiled for abandoned application Serial No. 513,860, February 6, 1931. This application July 31, 1937, Serial No. 156,734
5 Claims. (Cl. 214—67)



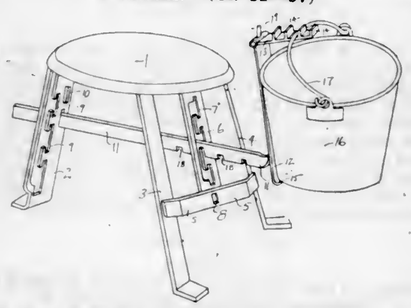
1. In a refuse truck, the combination of a truck body, means for tilting the body to dump from the rear, a loading conveyor extending across the top and rear side of said body, rack teeth upon said truck and means upon said truck body and engaging said rack teeth for automatically moving the conveyor section on the rear of the body away from the rear to allow dumping, comprising a stationary rack with a center of curvature corresponding with the pivot point of the truck body, a pinion in mesh with said rack, and a transmission system connected with said pinion and terminating in a sprocket wheel connected with a chain engaged over another sprocket upon a pintle shaft pivotally supporting the rear portion of said loading conveyor, and levers connected with said pintle shaft and said rear section for moving the rear section away from the rear of the body of the truck upon tilting of said body.

2,103,113
REGULATING APPARATUS
John C. Hornung, Glencoe, Ill., assignor to Illinois Engineering Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1935, Serial No. 27,650
6 Claims. (Cl. 200—139)

1. In a switch of the class described, a contact arranged laterally of and rotatable about an axis, means to rotate the contact at a given rate, a switch member movable back and forth between limits, means for controlling movement of the member into various positions between its limits, and two resilient strips mounted on the member and extending therefrom in spaced relation and having free end portions respectively arranged at opposite sides of the path of the contact and normally positioned to allow of rotation of the contact between them when the member is at a neutral position between its limits, said end portions extending angularly toward the path of the contact for engagement with the contact so as to be deflected thereby on the member during an interval of each revolution of the contact when the member is displaced from its neutral position and so that either end portion will project into the path of the contact an extent proportional to the amount of displacement of the member from its neutral position to vary the duration of the engagement with the contact accordingly.

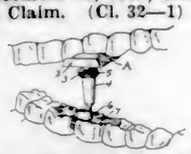


2,103,114
MILKING STOOL
Curtis A. Loveland, Youngstown, Ohio
Application July 3, 1936, Serial No. 88,760
7 Claims. (Cl. 31—57)



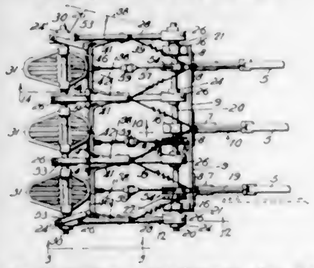
1. In a milking stool comprising a seat member, three legs supporting said seat member, a brace and a vertical bar positioned between two of said legs, said vertical bar having a plurality of notches therein, and the remaining one of said legs being provided with a plurality of openings, a notched adjustment bar slidably maintained through one of the said notches and one of said openings, an upright member attached to one end of said adjustment bar, a member hingedly attached to the upper end of said upright member and having a plurality of catches formed thereon and adapted to receive the bail of a pail, and an upturned end formed on the lower end of said upright member for receiving and holding the bottom of the said pail in position.

2,103,115
DENTAL JACK
Dan D. Mizzy and David L. Durst, Sacramento, Calif.
Application December 20, 1935, Serial No. 55,435
1 Claim. (Cl. 32—1)



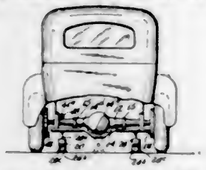
A dental jack comprising a base member which is U-shaped in cross section to receive and retain a molding compound whereby the base may be seated and retained with relation to selected teeth of one jaw, a threaded pin secured to the base, a threaded sleeve adjustable thereon, and a pin on the end of the sleeve, said pin terminating in an abrupt end relatively small in cross-section, said pin end being adapted to engage a small area on the occlusal surface of a casting which is being filled or cemented into a cavity of a tooth of the other jaw.

2,103,116
DAM FORMING DEVICE FOR LISTERS
Charles T. Peacock, Arriba, Colo.
Application April 7, 1936, Serial No. 73,101
57 Claims. (Cl. 97—55)



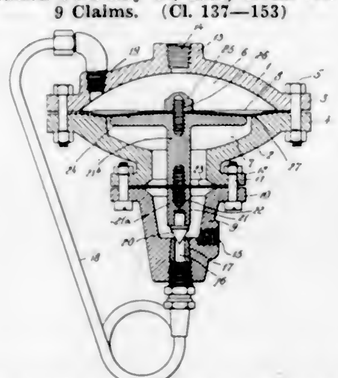
1. In a damming attachment for listers, a frame having two spaced parallel shafts, one of which is rotatably connected with the lister, an equal number of similarly spaced bearings on each shaft, corresponding bearings forming pairs, a bar connected between the bearings of each pair and a pivoted connection between the ends of the bars and the bearings whereby the frame formed by the shafts and the bars can be shifted from a rectangular parallelogram to a rhomboid.

2,103,117
JACK ATTACHMENT FOR MOTOR VEHICLES
Abraham Pearlman, Brooklyn, N. Y.
Refiled for abandoned application Serial No. 104,948, October 10, 1936. This application June 23, 1937, Serial No. 149,909
4 Claims. (Cl. 254—86)



1. In conjunction with the axle of a motor vehicle, a track along the length thereof, a follower on said track, a jack hingedly mounted on said follower so as to be capable of extending downwards or horizontally, a clip for releasably holding said jack in the horizontal position, means for holding said follower from moving along said track when said clip operates, and means for holding said follower from moving along said track when said jack is extended vertically downwards.

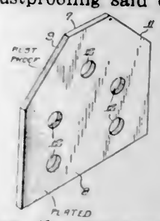
2,103,118
VACUUM VALVE
Gregory A. Petroe, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application February 29, 1936, Serial No. 66,410
9 Claims. (Cl. 137—153)



1. A safety valve for preventing the development of a sub-atmospheric pressure in a system, which comprises a housing, resilient diaphragm means having substantially the same effective area at each side sub-dividing the housing into a pair of chambers, each chamber being provided with a port, one port adapted to be connected to the system and the other open to the atmosphere, a passage independent of said ports and leading from one chamber to the other, valve means controlling said passage and including a movable valve member and a valve seat, said movable valve member having a stem with a head contacting with the diaphragm means, a connection between said diaphragm means and said stem, said diaphragm means under normal operating conditions acting through said connection to maintain said valve member on its seat to close said passage, and means formed on the inner wall of said housing for engaging said diaphragm means, said head and said last-mentioned means supporting the diaphragm means throughout substantially the entire area of one face thereof when the movable valve member is seated.

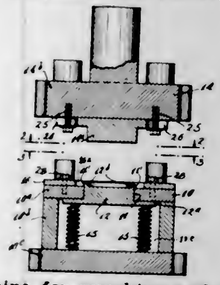
2,103,119
NONCORRODIBLE OBJECT AND METHOD OF PRODUCING SAME
Frank P. Romanoff, Chicago, Ill., assignor to Apollo Metal Works, Chicago, Ill., a corporation of Illinois
Application April 23, 1936, Serial No. 75,921
1 Claim. (Cl. 148—6)

The method of making a non-corrodible sheet metal article which comprises producing by electrolytic deposition upon the exposed portions of a metal sheet a metal coating resistant to attack by a rustproofing phosphate base solution, fabricating the thus electroplated sheet to form an article of the desired shape in which portions of the base metal of the fabricated sheet are left exposed, and rustproofing said exposed portions



without affecting the previously electroplated portions of the article by immersing the article in a rustproofing phosphate solution.

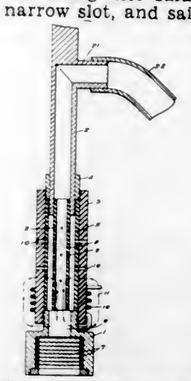
2,103,120
HEEL-BREAST COVER CUTTING AND SKIVING DEVICE
Louis Sabo and Julius Polkovics, Bronx, N. Y., assignors, by direct and mesne assignments, to Marvel Shoe Machinery Corporation, New York, N. Y.
Application November 12, 1936, Serial No. 110,438
2 Claims. (Cl. 12—17)



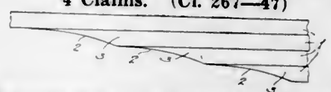
1. A machine for punching and tapering the heel breast covering portion of shoe soles comprising a female die having an opening formed to the shape of the proposed punched heel covering portion and having a cutting edge, a grooving element mounted within said opening and resiliently urged upwards slightly above said cutting edge, and a male die cooperative with said female die and forcing a shoe heel covering portion against said grooving element and then punching out the periphery of the grooved area to shape the heel covering portion with a bevelled edge, said grooving element having straight outer sides and projecting edges on the inner side which are inclined, and a cup shaped section within said inclined sides having outer sides in intimate contact with the inclined sides and inner sides at a different inclination in relation to the straight sides of said grooving element.

2,103,121
CIRCUIT INTERRUPTER
Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original application January 27, 1930, Serial No. 423,660, now Patent No. 2,084,979, dated June 22, 1937. Divided and this application May 13, 1937, Serial No. 142,360
9 Claims. (Cl. 200—147)

1. In a circuit interrupter, means of insulating material including inner and outer members having an endless annularly-shaped narrow slot therebetween, a terminal member, a hollow tubular electrode extending into said endless annularly-shaped narrow slot, and said tubular electrode being slidable over said inner member away from said terminal member for drawing an arc in the endless slot.

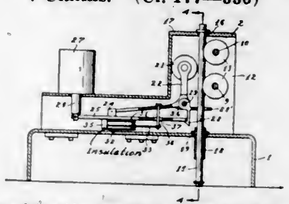


2,103,122
LAMINATED SPRING
Helmuth Stark, Berlin-Charlottenburg, Germany, assignor to Hoesch-KölnNeuessen Aktiengesellschaft für Bergbau und Hüttenbetrieb, Dortmund, Germany, a German company
Application June 27, 1935, Serial No. 28,709
In Germany June 29, 1934
4 Claims. (Cl. 267—47)



1. A laminated spring, comprising a plurality of spring leaves, the leaf ends of which are tapered in thickness in a concave manner.

2,103,123
ANNUNCIATOR
Leo J. Stevens, San Francisco, Calif.
Application May 15, 1933, Serial No. 671,038
7 Claims. (Cl. 177—336)



1. In combination with an elevator signal system including a push button and a signal light electrically connected therewith to be illuminated whenever the button is actuated, of a constant running motor, an interrupter attached thereto, rollers driven by the motor, a rod to be elevated by said rollers, an idler roller swingingly supported adjacent said rod, an electromagnet electrically connected with the push button to swing said idler roller into contact with the rod and to move the rod into engagement with the driving rollers to elevate the rod through a selected path of travel, and means associated with said rod for simultaneously disconnecting the idler roller from contact therewith when the rod reaches a

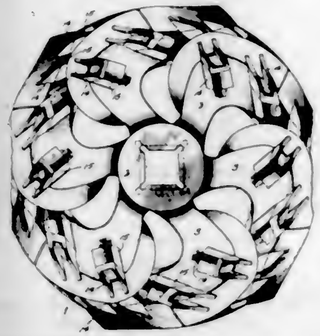
selected point in its travel and to allow the rod to drop, and for placing the interrupter in circuit with the light, to cause said light to flash at intervals.

2,103,124

CUTTER HEAD FOR SUCTION DREDGES

William H. Stires, High Bridge, N. J., assignor to Taylor-Wharton Iron & Steel Company, High Bridge, N. J., a corporation of New Jersey

Application August 3, 1934, Serial No. 738,364
1 Claim. (Cl. 37—67)



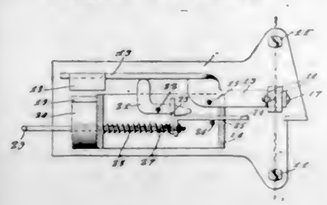
In a cutter head for suction dredges, the combination comprising a spider having a hub and a ring integrally joined by arms, and cutting blades detachably mounted on the arms and applied as aligned separable segments in edge contour fitting relation to the leading edges of the arms, the segments having paired lateral projections, and the arms having complemental recesses to establish an edge lock, said projections being continued as offset abutments with reversely ranging webs and shanks, and complemental offsets or abutments on the arms and having slots to accommodate the shanks, and means for tightening the segments by relatively securing the abutments.

2,103,125

MAGNETIC THREAD CLEANER

Nicholas Stoddard, Durham, N. C.

Application June 1, 1937, Serial No. 145,856
1 Claim. (Cl. 28—64)



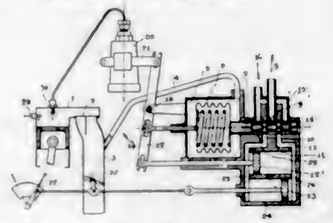
A thread cleaner comprising a support, thread guides on the support, a feeler lever pivoted on the support, feeler blades on the lever responsive to imperfections encountered in the thread to rock the lever, an armature on the opposite end of the lever, a magnet on the support adapted to attract the armature and accelerate rocking movement of the lever, a spring pressed knife slidably mounted on the support, and a dog pivoted on the support and normally holding said knife cocked, said dog being adapted to be struck and dislodged by rocking movement of the lever to free the knife for severing the thread contiguous to said imperfections.

2,103,126

DEVICE FOR AUTOMATICALLY REGULATING THE AMOUNT OF FUEL INJECTION

Shuichi Sugihara, Toda-machi, Naka-ku, Nagoya, Japan, assignor to Mitsubishi Jukogyo Kabushiki Kaisha, Tokyo, Japan

Application December 16, 1936, Serial No. 116,231
In Japan December 30, 1935
1 Claim. (Cl. 123—139)



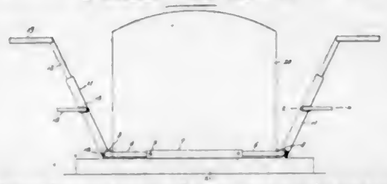
A device for automatically regulating the fuel supply comprising a bellows adapted to expand or contract responsive to the pressure of the air to be sucked into the engine cylinder, a distributing valve connected to said bellows for distributing oil under pressure, fuel injection means provided with regulating mechanism, a servo-motor including a cylinder and a piston controlled by said distributing valve for actuating the fuel injection regulating mechanism, and an accelerating device connected with the servo-motor piston comprising an auxiliary cylinder, an accelerating piston connected to the air throttle valve of the engine, oil inlet and outlet passages for said auxiliary cylinder connected to the opposite ends of said servo-motor cylinder, so that when said throttle valve is rapidly opened to rapidly accelerate the engine said servo-motor piston is rapidly moved by the rapid movement of said accelerating piston, regardless of the position of said bellows and the pressure-oil distributing valve, thereby increasing rapidly the amount of fuel injection responsive to increase of the amount of the air.

2,103,127

FLOWERPOT HOLDER

Albert J. Van Enkevoort, Milwaukee, Wis.

Application March 23, 1937, Serial No. 132,600
1 Claim. (Cl. 211—71)



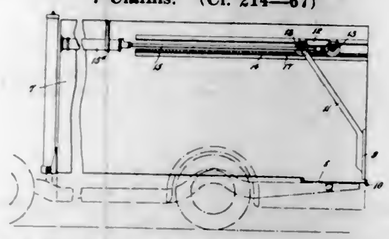
Means for supporting flowers on a tombstone comprising a frame adapted to rest on the base of the stone, means for adjusting the frame to fit around stones of different types, said means including sleeves for receiving other parts of the frame and means for fastening such other parts in the sleeves, upwardly and outwardly sloping arms connected with some of the sleeves and receptacle supporting members adjustably connected with the arms.

2,103,128

REFUSE COLLECTING VEHICLE

James Constant Walter, Warwick, England, assignor to The Eagle Engineering Company, Limited, Eagle Works, Warwick, England

Application June 14, 1937, Serial No. 148,175
In Great Britain May 7, 1936
7 Claims. (Cl. 214—67)



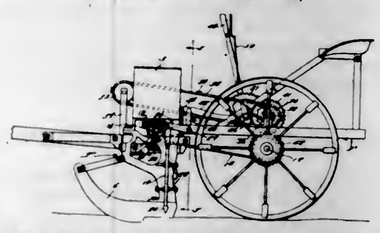
1. A refuse collecting vehicle incorporating a body for the reception of the refuse, a combined loading and closure means comprising hingedly connected loading and closure sections, the loading section being hingedly connected to the body adjacent to the floor at the rear end thereof, and means connected to the closure section of said combined loading and closure means for turning the latter about its hinge connection to the body and swinging it over the floor and toward the front of the vehicle whereby refuse deposited on the loading section of the aforesaid combined means is moved into the body and material already deposited in the body progressed towards the forward end thereof.

2,103,129

CORN PLANTER

Chester Raymond White, Mount Carmel, Ill., assignor of one-half to Max Miller, Mount Carmel, Ill.

Application May 13, 1936, Serial No. 79,580
1 Claim. (Cl. 111—30)



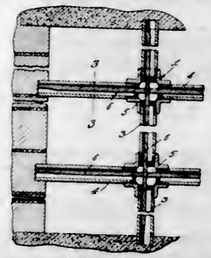
In a check row corn planter, a main frame, traction wheels supporting said frame, an auxiliary frame vertically adjustable on the main frame, seed feeding devices supported by the auxiliary frame and including a seed dropping boot movable toward and from the ground by adjustment of the auxiliary frame in opposite directions, respectively, a row marker mounted alongside said boot for independent vertical operation, means for operating said marker including a rock shaft on the main frame operatively connected to said marker, a sprocket and chain drive operated by one of the traction wheels, coacting tappet devices on said chain and shaft, respectively, means for adjusting the auxiliary frame, and means operative by said adjusting means to render the sprocket and chain drive ineffective as an incident to adjustment of said auxiliary frame to move the boot away from the ground.

2,103,130

SAFETY BAR OR GRATING

Randolph T. Windle, New York, N. Y.

Application February 8, 1937, Serial No. 124,746
1 Claim. (Cl. 189—9)



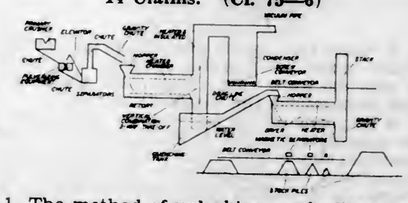
A grating comprising horizontally and vertically arranged bars each composed of a plurality of sections, couplings connecting the sections of the horizontally and vertically arranged bars to each other and of hollow formation, and cables extending through the sections of said bars and the couplings and having the ends thereof secured to the ends of the bars leaving the major portions of said cables unattached from the sections of the bars and couplings for providing sufficient slack in said cables to prevent severance thereof by a tool cutting into sections of the bars and the couplings.

2,103,131

METHOD OF UNLOCKING ORE BODIES TO EXTRACT SULPHUR AND IRON THEREFROM

Harry Comer Wolf, Indianapolis, Ind., assignor to Irsugo Consolidated Mines, Limited, Indianapolis, Ind., a corporation of Canada

Application April 12, 1935, Serial No. 15,980
14 Claims. (Cl. 75—6)



1. The method of unlocking ore bodies to produce sulphur and sponge iron, which consists of continuously and completely agitating the ore which is sufficiently fine to pass through a 200 mesh screen, in a chamber in the absence of oxidizing conditions, heating said ore to a temperature of 900° F. for a sufficient length of time to dissociate the same into iron and sulphur.

2,103,132

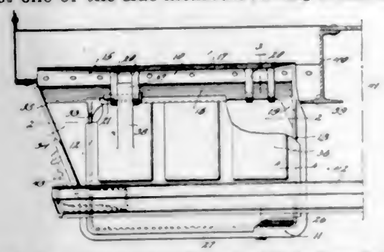
HOPPER CAR CONSTRUCTION

Norman B. Akitt, Troy, N. Y., assignor to Adirondack Foundries and Steel Incorporated, Watervliet, N. Y., a corporation of New York

Application December 20, 1935, Serial No. 55,488
2 Claims. (Cl. 105—253)

1. A door frame for a hopper car comprising top, bottom, and inner and outer side members, said members together forming an integral structure defining an aperture for the discharge of lading, the top member having a flat surface parallel to the general plane of the frame to facilitate attachment of a hopper sheet, a surface outwardly inclined toward the plane of said door

opening and merging with said flat surface, the free edge of said inclined surface comprising the upper margin of the discharge aperture, and at least one of the side members having a stiffening



flange in a plane parallel to said flat surface, a web connecting the free edge of said inclined surface to said side member and lying in the same plane as said stiffening flange.

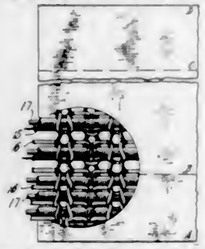
2,103,133

ELASTIC FABRIC AND GARMENT

Percy Adamson, Rye, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application June 10, 1933, Serial No. 675,190

9 Claims. (Cl. 66—190)



1. A warp knit fabric comprising elastic and inelastic yarns incorporated therein in a one-in and one-out knit, said fabric also comprising elastic yarn laid-in the width of the fabric.

3. A garment of the corset type comprising a body-encircling member having a section formed of material closely knit from elastic and inelastic threads, said threads being so arranged in said garment as to permit substantial stretching by said section in all directions but providing a firm molding action transversely of the body and an easier stretch longitudinally of the garment to avoid slippage of said section relative to the body in bending.

2,103,134

APPARATUS FOR MANUFACTURING A COATED INSULATED WIRE

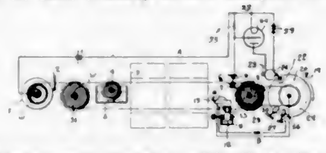
Takeo Akahira, Takinogawa-ku, Tokyo, Japan, assignor to Zaidan Hojin Rikagaku Kenkyujo, Tokyo, Japan

Application July 10, 1935, Serial No. 30,749

In Japan July 19, 1934

7 Claims. (Cl. 91—48)

1. An apparatus for manufacturing coated insulated wire comprising means for feeding the wire over a coating bath and through a drying device, a wet band provided in the path of the coated wire, an electric circuit including said wet band, the coated wire and a source of electricity for applying a test voltage, a time limit relay actuated by the current flowing in said circuit, a second electric circuit controlled by said time limit relay, an electromagnet coil and a spot coating device in said second circuit, a coating member in said coating device adapted to come



momentarily into contact with the wire when actuated into its operative position by said electromagnet coil.

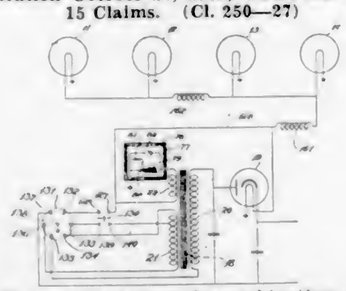
2,103,135

RADIO RECEIVER

Edward F. Andrews, Chicago, Ill.

Application October 27, 1932, Serial No. 639,821

15 Claims. (Cl. 250—27)



1. In a radio receiver, in combination, thermionic tubes having filaments and plates, a transformer adapted to be energized from a source of alternating current or from a source of direct current, a conductor conveying current to said filaments, said filaments being arranged in parallel, an interrupter adapted continuously to interrupt the direct current supplied to the transformer, and choke coils in series in said conductor between said filaments through which coils said filaments are connected to said source of direct current when the set is operated by direct current, for the purpose of preventing the amplification through said tubes of electrical disturbances created by said circuit interrupting means.

2,103,136

METHOD FOR DETECTING CHEMICALLY REACTIVE GASES

Friedrich Karl Gustav Bangert, Lubeck, Germany, assignor to Otto Heinrich Dräger, Lubeck, Germany

No Drawing. Application June 21, 1934, Serial No. 731,794. In Germany June 23, 1933

6 Claims. (Cl. 23—232)

1. The method of rendering detectible absorbable oxidizable gases or vapors in air or other neutral gases, which consists in bringing the gas in contact with a colorless adsorbing gel, whereby the gas is enriched on the gel, and then impregnating the gel after adsorption of the gas with an aqueous solution of an inorganic oxidation agent which changes color upon reduction.

2,103,137

ROTARY WELL DRILLING APPARATUS

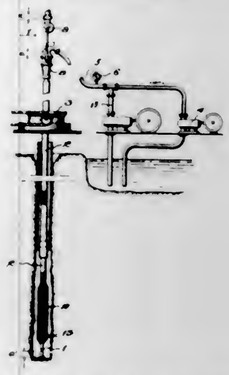
Ion Basgan, Bucharest, Rumania

Application August 13, 1934, Serial No. 739,632

In Rumania May 18, 1934

3 Claims. (Cl. 255—24)

1. In rotary bore hole drilling apparatus, the combination of a drill string comprising hollow drill rods and a drill bit having a conduit therein for establishing open communication between the bore hole and the interior of the drill rods, said drill rods and drill bit rigidly secured to one another, supporting means for the drill string, a pump and a supply conduit connected up there-



to for supplying clearing liquid to the interior of the drill rods, with a second pump connected up to said supply conduit for producing pressure variations in the liquid column within the supply conduit and the drill string, so as to set up longitudinal vibrations in said liquid column and drill string.

2,103,138

PROCESS FOR HARDENING WATERPROOFING ARTIFICIAL GUT PRODUCED FROM ANIMAL FIBROUS MATERIAL

Oskar Walter Becker, Heidelberg, and Emil Weiss, Weinheim, Germany, assignors to Naturin G. m. b. H., Weinheim, Germany, a company of Germany

No Drawing. Application October 10, 1936, Serial No. 105,145. In Germany October 15, 1935

10 Claims. (Cl. 18—57)

1. In a process for the production of artificial gut from animal fibrous starting materials, such as hide or sinews, by converting the said starting materials into a swollen condition, shredding the swollen material, extruding the resulting swollen fibrous masses from nozzles containing annular orifices and hardening the resulting artificial gut with formaldehyde-containing liquids, the improvement which consists in treating the artificial gut with hardening liquids containing from .025 to 2% of formaldehyde, and iodine consuming substances occurring in the distillates of cellulose containing substances, said hardening liquids having an iodine value of from 3.5 to 8.5 and a pH value of from 2.5 to 3.0.

2,103,139

MAP IN BOOK FORM

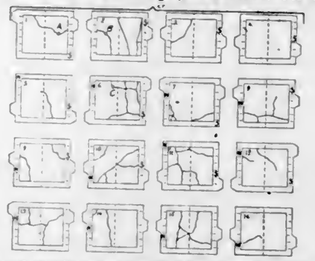
Nils Olof Bergquist, Alsten, Sweden

Application October 1, 1934, Serial No. 746,452

In Sweden October 5, 1933

6 Claims. (Cl. 283—35)

1. A book comprising in combination, a plurality of pages which display sections of a large sheet obtained by dividing the sheet along parallel lines in two directions perpendicular to each other, a tab projecting from the edge portion of the majority of pages, the tabs of adjoining pages overlapping each other only partly and a mark on each of said pages indicating an adjoining section, said mark being positioned on the edge



portion of such page and at a level with the tab on the page displaying the adjoining section.

2,103,140

METHOD FOR THE PRODUCTION OF XANTHATES OF RESIN ALCOHOLS

William T. Bishop, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 16, 1935, Serial No. 21,804

11 Claims. (Cl. 260—99.11)

1. The method of producing a xanthate of an alcohol produced by carboxylic reduction of a natural resin acid, which includes reacting such alcohol with a substance from the group consisting of alkali metal hydroxides and alkali metal monoxides, and xanthating the alcoholate produced.

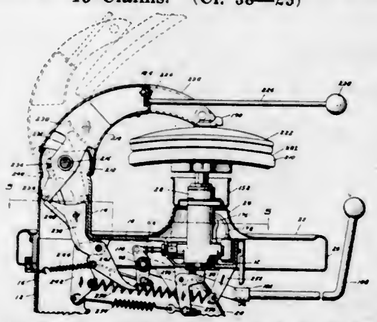
2,103,141

IRONING MACHINE

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Application May 19, 1934, Serial No. 726,602

13 Claims. (Cl. 38—25)



1. An ironing machine comprising relatively movable ironing elements, a fluid pressure system for actuating one of the elements including means for producing pressure in the system, a member supporting the other element for movement into and from operative position, and means connecting the member to the pressure producing means for actuating the pressure producing means upon movement of the member to place the last mentioned element into operative position.

2,103,142

COMPACTING APPARATUS

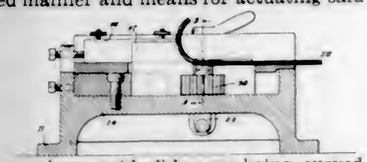
Thomas A. Bowers, Boston, Mass.

Application January 4, 1936, Serial No. 57,569

8 Claims. (Cl. 153—32)

1. An apparatus for compacting a reversely bent material comprising a pair of friction wheels

adapted to engage said material, a curved slideway for receiving the engaged material in a retarded manner and means for actuating said friction members, said slide way being curved in a vertical plane and adapted to compact the upper bends of the material faster than the lower bends.

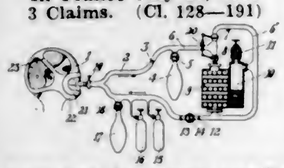


2,103,143
DIFFERENTIAL GEAR
Laverne S. Brown, Gaines, Pa.
Application September 21, 1936, Serial No. 101,874
2 Claims. (Cl. 74—315)



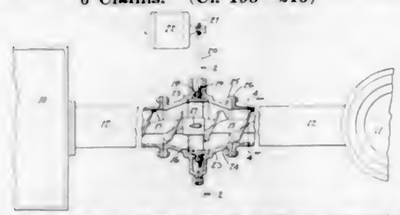
1. The combination with a differential gear and a pair of alined axles driven thereby, of gears on the axles on opposite sides of the differential, a gear integral with the ring gear, a countershaft, countershaft gears meshing with the gears on the axles, over-running clutches connecting the countershaft gears with the countershaft, and a gear on the countershaft meshing with the gear carried by the ring gear.

2,103,144
APPARATUS FOR GIVING ANESTHETICS
Jean Carré, Leers, France
Application June 25, 1934, Serial No. 732,349
In France July 18, 1933
3 Claims. (Cl. 128—191)



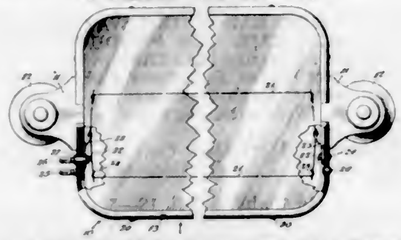
1. An apparatus for giving anesthetics in a confined atmosphere, comprising in a closed circuit, successively in the direction of the flow of gas: a main circuit and a shunt circuit, cocks in each circuit after the branchment of said shunt circuit, a common means for operating said two cocks whereby the one cock is closed when the other is opened, and whereby said cocks are opened and closed progressively, an oxygen regenerating apparatus in said shunted portion of the main circuit, an oxygen producing apparatus connected to said shunt circuit, a cock beyond the shunt circuit allowing communication with the free air, and placed immediately before a connection with a source of anesthetic under pressure, valves permitting the said determined direction of flow of gas, a connection between the said closed circuit and the mask, and a cock for closing said last mentioned connection and for communicating said mask with the free air.

2,103,145
COAL WORM DRIVE
Haskell C. Carter, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application September 17, 1934, Serial No. 744,388
6 Claims. (Cl. 198—213)



1. A device of the class described, comprising a housing having a bearing formed therein, a wheel having its rim portion occupying said bearing, said housing having portions converging toward each end, worm sections projecting from each end of said housing and drivably connected to said wheel and means for rotating said wheel.

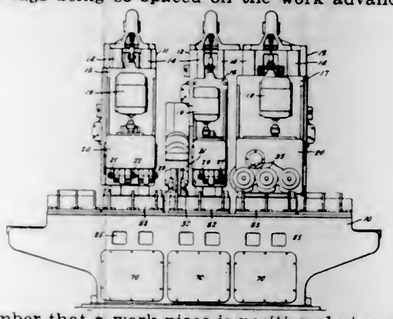
2,103,146
WINDSHIELD HEATER
Joseph H. Cohen, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Original application March 21, 1934, Serial No. 716,659. Divided and this application January 17, 1936, Serial No. 59,493
6 Claims. (Cl. 219—19)



1. A windshield heater comprising a frame; a resistance wire stretched across the frame; and means at the sides of the frame for supporting and connecting said resistance wire, said means including a bar having a pair of apertures, and an end of said wire passing in and out through said apertures in a tortuous path and being held to said bar by the resistance of said wire against rebending under tensional stress, the tortuous engagement of said wire-end with said bar being the sole means of holding the wire and bar together.

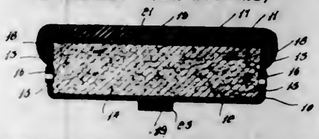
2,103,147
MACHINE TOOL
Lyndon C. Cole, Hamilton, Ohio, assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application June 14, 1935, Serial No. 26,550
Renewed May 10, 1937
14 Claims. (Cl. 29—33)

1. A machine adapted for cutting operation on work pieces supplied thereto comprising a base having work cutting means mounted thereon for movement to a cutting position at a cutting station, a work guide for slidably supporting work pieces for movement from a loading station to the cutting station, a work advancing member having work engaging lugs spaced thereon so that limited movement is provided between work pieces and lugs in the direction of the line of advance, the lugs being so spaced on the work advancing



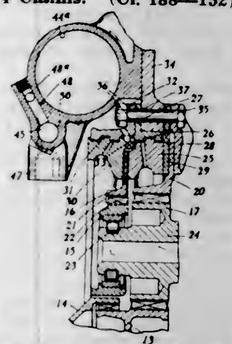
member that a work piece is positioned at a cutting station by its own inertia at the end of an advancing step by engagement with the rear portion of a lug, and means for reciprocably moving said work advancing member.

2,103,148
BASEBALL BASE
George H. Conrad, Great Bend, Pa.
Application April 1, 1937, Serial No. 134,412
3 Claims. (Cl. 273—25)



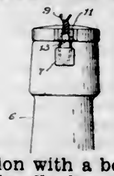
2. A baseball base comprising, a casing provided with air passages, said casing adapted to contain a filling material, a protective covering of sponge rubber secured to the upper portion of said casing, and said casing adapted to be normally distended by the filling material to cause a vacuum to draw the air through said passages into said casing.

2,103,149
CONTROL OF GEARING FOR DRIVING SUPERCHARGERS ON AIRCRAFT ENGINES
Gerard Mervyn Cutler, Coventry, England, assignor to Armstrong Siddeley Motors Limited, Coventry, England
Application November 2, 1936, Serial No. 108,867
In Great Britain October 16, 1936
4 Claims. (Cl. 188—152)



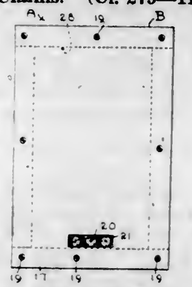
1. In a brake for a two-speed planetary gearing for superchargers, an annular frame having an inner ring portion provided with a plurality of circumferentially spaced holes extending axially therethrough, a pair of rings internally threaded in opposite directions and each having a plurality of unevenly spaced holes adapted to register some of the latter holes for each fractional relative rotation of the rings, said latter rings being insertable into said frame and said latter holes adapted for registry with the holes in said frame ring, anchoring means insertable through registering holes to secure the rings together on the frame, a pair of rings externally threaded in opposite directions and adapted to engage with said internally threaded rings, means for securing said externally threaded rings together to rotate in unison and to move toward one another when one ring is rotated in one direction and away from one another when one ring is rotated in the opposite direction, and operating means secured to the said annular frame and to one of said externally threaded rings operable to produce relative rotation therebetween.

2,103,150
BOTTLE SEAL
Peter Wilson De Vore, New York, N. Y.
Application July 30, 1936, Serial No. 93,505
3 Claims. (Cl. 215—7)



2. In combination with a bottle, a closure cap, lugs extending laterally from said cap, a sealing wire on the outside of the bottle having a looped end fitted within an extension on said bottle, the free ends of said wire adapted to be twisted around one of said lugs and sealed thereon by compressing the ends of the other lugs over the wire.

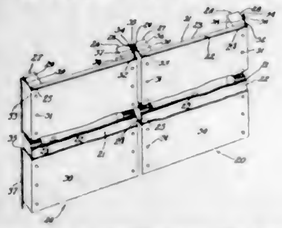
2,103,151
GAME
Roy Perry Dietrich, Bayside, N. Y.
Application September 28, 1936, Serial No. 103,013
3 Claims. (Cl. 275—113)



1. In a game apparatus, a housing including substantially paralleling side walls, substantially paralleling end walls and a top and a bottom wall normal thereto enclosing a chamber and provided with a sight opening in said top wall adjacent one side wall, and an incline within said chamber extending from one of the end walls towards said side wall, said chamber having a pocket at said sight opening, said pocket being provided with a bottom wall and substantially

vertical side walls, said incline extending to the mouth of said pocket, said incline and said walls of said pocket comprising a strip of material rigidly secured at one of its ends to said one end wall of said housing and formed into said walls of said pocket, said strip of material being rigidly secured to said side wall of said housing and extending from said top wall to said bottom wall of said housing.

2,103,152
BUILDING STRUCTURE
Donald M. Douglass, Wilton, Conn.
Application August 27, 1936, Serial No. 98,151
13 Claims. (Cl. 189—86)



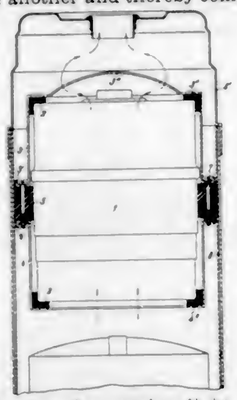
1. A structural member including a panel having a front face and a rear face; a pair of panel supporting members underlying the rear face of said panel, positioned along opposite side edges thereof; outer faces on said supporting members, extending rearwardly from said panel; and complementary metal sealing strips extending rearwardly from said panel to overlie said outer faces, adapted to cooperate with complementary metal strips on adjacent structural members to form substantially weather tight joints therebetween.

2,103,153
CASEIN COMPOUND AND PROCESS OF MAKING
Henry V. Dunham, Bainbridge, N. Y.
No Drawing. Application April 26, 1935, Serial No. 18,435. In Great Britain December 8, 1934
17 Claims. (Cl. 260—9)

1. As a product, a homogeneous combination of acid-precipitated casein with a compound selected from the group consisting of metal salts, metal hydroxides and ammonium salts, said compound being not sufficiently alkaline in reaction to constitute a solubilizing agent for casein, and which compound is capable of reacting with moist casein, said product being extruded under heavy pressure while containing less water than casein.

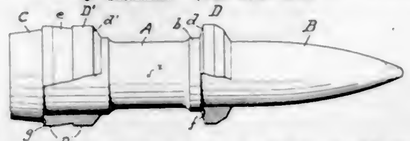
2,103,154
VACUUM CLEANER
Ernst Faber, Stuttgart, Germany
Application June 23, 1937, Serial No. 149,980
In Germany August 6, 1936
1 Claim. (Cl. 248—26)

A vacuum cleaner comprising in combination a motor and fan unit, cylindrical caps adapted to be placed over the end parts of the motor and fan unit, elastic rings of L-shaped cross-section disposed between the motor and fan unit and the caps at the corners formed by the end surfaces and the cylindrical surfaces of the two parts, at the other ends of the said caps flanges facing one another, a casing surrounding the motor and fan unit and the caps, a thick elastic ring disposed between the said flanges and bolts connecting the said flanges for drawing the flanges towards one another and thereby compressing the



thick elastic ring for causing it to bear tightly against the motor and fan unit and against the casing.

2,103,155
PROJECTILE
Willing B. Foulke, Media, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 14, 1935, Serial No. 10,974
9 Claims. (Cl. 102—26)

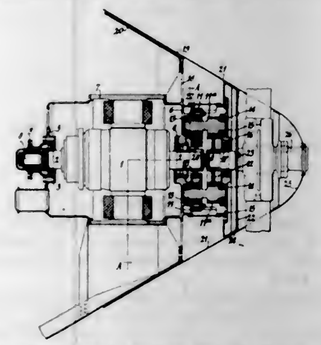


1. A projectile adapted for high velocities comprising a body portion and rifling bands having a high tensile strength, the body portion being throughout of a diameter less than the bore diameter of the barrel of the gun for which it is intended by an amount in excess of the difference between the groove and bore diameters of the barrel, and shoulders on the body portion in engagement with the bands to prevent rearward movement thereof.

2,103,156
ELECTRIC DRIVE OF AIR-SCREW PROPELLED CARS
Hugh Fraser, Burnside, Ruthergien, Scotland, assignor to Inter Counties Limited, Glasgow, Scotland
Application September 27, 1934, Serial No. 745,824
In Great Britain February 28, 1934
1 Claim. (Cl. 74—410)

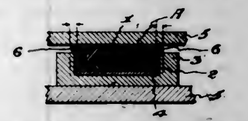
An electric drive for air-screw propelled cars and the like, comprising an electric motor having a hollow armature shaft, a casing having end covers for said motor, bearings carried by said end covers in which the hollow armature shaft is journalled, an air-screw shaft extending completely through the armature shaft, further bearings carried by the two end covers of the motor casing and in which said air-screw shaft is journalled, said air-screw shaft extending beyond one of the end covers, an air-screw fast on the extended end of the air-screw shaft, a pinion wheel fast on the armature shaft, a set of pinion wheels meshing with and arranged symmetrically around

said pinion wheel, a further set of pinion wheels co-axial with and driven by the first set, each pinion wheel of one of the sets embodying fast and slipping plates held in frictional engagement with each other so that the teeth can partake of a circumferential movement relative to the axis, and a pinion wheel fast on the air-screw shaft



and with which said further set of pinion wheels mesh so as to drive the air-screw shaft without imparting any transverse thrust thereto, the fast and slipping plates ensuring that each of the intermediate pinions transmits its full share of the drive, absorbing shock and eliminating torsional vibration.

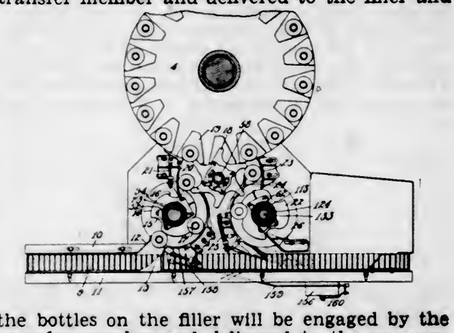
2,103,157
MANUFACTURE OF RUBBER-SOLED SLIPPERS, SANDALS, AND FOOTWEAR
Bienvenido Jaumandreu, Buenos Aires, Argentina
Application May 10, 1934, Serial No. 724,963
1 Claim. (Cl. 18—59)



A method of manufacturing rubber soled footwear and like flexible articles utilizing elastic lasts, comprising providing a mold designed to snugly fit the lower part of the upper of the article, providing an elastic last of a size to extend beyond the open end of the mold, placing an unvulcanized rubber sole in the bottom of the mold, placing the upper with the last therein on the sole within the mold, and exerting pressure on the upper and last when in the mold to compress the upper and last and expand the portion of said last extending beyond the mold over the edges of the mold to thereby hermetically seal the open end of said mold.

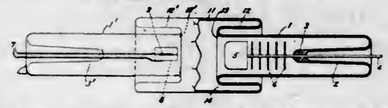
2,103,158
BOTTLE FILLING MACHINE
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application December 29, 1932, Serial No. 649,275
17 Claims. (Cl. 226—75)

8. In a machine of the character described, the combination with a single continuously rotating transfer member, of a continuously rotating syruper, a continuously rotating bottle filler and a continuously rotating crowner grouped about said transfer member and so positioned that the bottles on the syruper will be engaged by the transfer member and delivered to the filler and



the bottles on the filler will be engaged by the transfer member and delivered to the crowner.

2,103,159
ELECTRIC DISCHARGE DEVICE
Kenneth H. Kingdon, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 12, 1936, Serial No. 63,533
2 Claims. (Cl. 250—27.5)



1. An electric discharge device comprising a sealed envelope of insulating material enclosing an ionizable medium and spaced electrodes, at least one of which is subject to sputtering, said envelope comprising a plurality of continuously joined cylinders in partially telescoping relation, the overlapping edges of said cylinders being radially spaced and positioned to prevent deposit of a continuous coating of sputtered material.

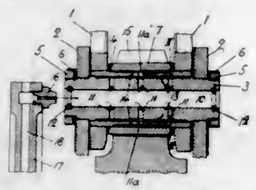
2,103,160
STABLE AQUEOUS SOLUTIONS OF ANESTHETIC SUBSTANCES AND PROCESS OF PREPARING THEM
Adolf Kircher and Max Sienz, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application November 1, 1934, Serial No. 751,099. In Germany November 11, 1933
12 Claims. (Cl. 167—52)

1. Aqueous sterilized solutions having, after the sterilization, a pH-value of about 6 to about 7 comprising urea and a salt of an ester of an aminobenzoic acid having an anesthetic effect.

2,103,161
LUBRICATING DEVICE FOR DRIVING CHAINS
Viggo Axel Kjær, Copenhagen, Denmark
Original application December 12, 1932, Serial No. 646,937. Divided and this application March 25, 1935, Serial No. 12,990. In Denmark January 12, 1932
2 Claims. (Cl. 184—15)

1. In a chain arrangement comprising a toothed chain wheel and a chain mounted on said wheel, said chain including links, and bushes and hollow pins connecting said links, the pins being pro-

vided with axial bores and transverse bore holes for the supply from the interior of the pin to the bearing surfaces between the pin and bush of lubricating oil which is supplied to the hollow pin from the exterior, an oil supply device arranged adjacent the chain wheel opposite the spaces between its teeth and rotating with said wheel, said oil supply device consisting of injection nozzles



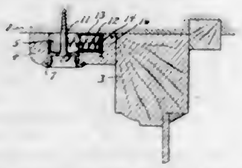
permanently spaced from the chain and connected with means for supplying oil under pressure, the axial bores of said pins having a relatively large diameter and an unobstructed opening of a smaller diameter thereto from the end of the pin adjacent the oil supply device, whereby the oil discharged from said nozzles is directed wholly within the interior of the pins.

2,103,162

WINDOW STOP STRIP MOUNTING

Harry W. Lane, Syracuse, N. Y.

Application March 3, 1937, Serial No. 128,849
6 Claims. (Cl. 20—12)



1. The combination with a window frame having a sash slidably mounted therein, of a molding strip movably secured to said frame at one side of said sash, and means for normally yieldably urging said strip towards said sash, said means including a coil spring recessed in the rear face of said molding strip and having one end thereof received within a socket member adapted to be anchored to said molding strip within said recess, and a fastening member extending through said molding strip and into the contiguous face of the window frame and against which one end of the spring aforesaid is adapted to abut, there being sufficient looseness afforded between the fastening member and the molding strip to permit relative movement therebetween in a lateral direction.

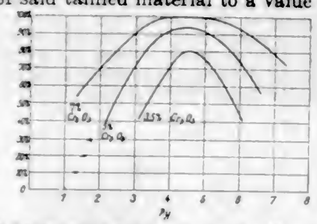
2,103,163

PROCESS FOR RENDERING FIBERS OR THREADS FROM ANIMAL COLLAGEN IRONPROOF

Gustav Lange, Weinheim, Germany, assignor to the firm Carl Freudenberg G. m. b. H., Weinheim, Germany, a society of Germany

Application April 21, 1936, Serial No. 75,655
In Germany April 25, 1935
7 Claims. (Cl. 18—54)

1. A process for rendering fibers or threads from animal collagen ironproof comprising tanning the fibers or threads with chromium compounds sufficiently to fix at least 4% of chromium oxide on said material, and adjusting the pH value of said tanned material to a value between



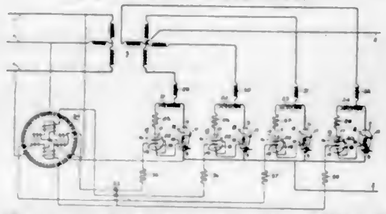
3 and 6, determined relative to the fixed content of chromium oxide.

2,103,164

ELECTRIC VALVE CIRCUIT

Richard G. Lorraine, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application July 1, 1936, Serial No. 88,391
5 Claims. (Cl. 175—363)



1. In combination, an electric valve having an anode, a cathode and a control member, an excitation circuit energized in accordance with the voltage appearing across the anode and the cathode of said electric valve means comprising a control electric valve for energizing said control member to render said electric valve means conductive during normal predetermined intervals of conduction, and means responsive to the current in the anode-cathode circuit of said first-mentioned electric valve means for controlling said second-mentioned electric valve means to advance the time of energization of said control member relative to the next succeeding normal interval of conduction in the event said first-mentioned electric valve means conducts current at any time other than during said predetermined intervals.

2,103,165

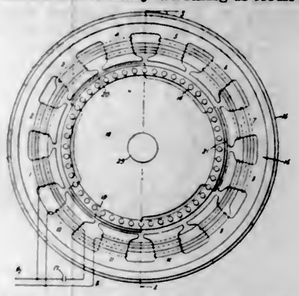
SELF STARTING SYNCHRONOUS INDUCTOR MOTOR

Frank W. Merrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application July 22, 1936, Serial No. 91,923.
10 Claims. (Cl. 172—120)

1. An inductor motor comprising cooperating, relatively rotatable, primary and secondary members, said primary member being provided with salient magnetic pole pieces and with a multipolar alternating-current winding means for producing a rotating magnetic field, said secondary member being provided with salient magnetic pole pieces of one-half the pole number of the alternating-current winding and with an induction motor secondary winding responsive to the rotating magnetic field of the primary to produce starting torque, and means for producing a unidirectional flux in one direction only between the

primary and secondary members to which the induction motor secondary winding is nonresponsive



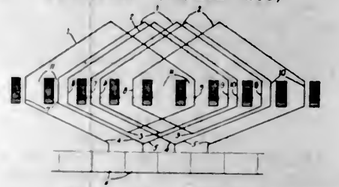
but which in combination with the rotating magnetic field causes synchronous inductor motor operation.

2,103,166

COMMUTATING TYPE ARMATURE

Wayne J. Morrill, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York

Application December 11, 1936, Serial No. 115,372
3 Claims. (Cl. 171—206)



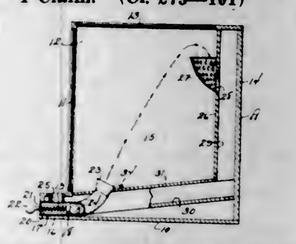
1. A rotatable member for a dynamo-electric machine having a slotted core and a commutator, a winding including a plurality of winding elements, each of said winding elements being formed of a plurality of coils extending over a normal coil pitch and connected in series, corresponding coil sides of each of said coils of each of said winding elements being arranged in adjacent slots of said core, and each of said slots of said core having a coil side of a different coil of adjacent winding elements of said winding.

2,103,167

GAME APPARATUS

James Morrison, Trenton, N. J.

Application September 22, 1936, Serial No. 102,001
1 Claim. (Cl. 273—101)



A game apparatus comprising a casing having transparent top and front panels and providing a chamber interiorly, a front ledge on said casing at the bottom area thereof, a shooter including a barrel having a plunger working therein, an upwardly curved muzzle formed with the barrel at the inner end thereof and projected into the chamber, a striking partition arranged vertically within the chamber remote from the said muzzle and having an elevated opening therein, a basket built on the partition in confronting relation to the opening therein and protruded forwardly of said partition, and a runway leading from the opening in the partition and also from the chamber to the said ledge and opening therethrough for access thereto, the approach of the runway with respect to the ledge being inclined toward the same.

2,103,168

INTERIOR FINISHING STRUCTURE AND FASTENER

Roy H. Myers and Louis Sandoz, Ventura, Calif.

Application March 29, 1937, Serial No. 133,682
4 Claims. (Cl. 20—4)



1. A structure of the character described comprising substantially rectangular shaped finishing sections in strip form, a series of channeled members adapted to be fixed to a framework in spaced relation to each other crosswise of said finishing sections and having opposite inturned flanges longitudinally thereof, and a plurality of separate clips saddling the finishing sections and interlocked with the same and the channeled members at one or both inbent flanges thereof, respectively.

2,103,169

APPARATUS FOR PRODUCING SOUNDS OF A MUSICAL CHARACTER

Albert Henry Midgley, Wembley, England

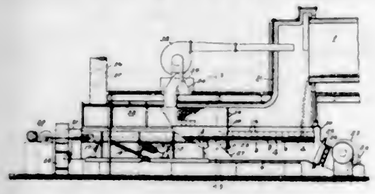
Application September 29, 1936, Serial No. 103,218
In Great Britain February 6, 1935
6 Claims. (Cl. 84—1)



1. Apparatus for producing musical sounds comprising, a secondary element consisting of concentric rings of undulating formation, one of said rings having a given number of undulations, a second ring having a number of undulations differing in number from said given ring and each successive ring having a number of undulations differing from its preceding ring, said rings being sufficient in number to cover the entire musical scale, a primary element movably mounted adjacent said secondary element means for impressing a potential across said primary element and any ring of said secondary element, means for causing relative movement between said primary element and said secondary element at one speed,—whereby undulating potentials of different frequencies are generated in said secondary element, and means associated

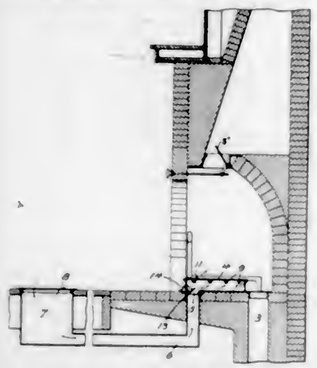
with said secondary element responsive to the undulating potentials electrostatically induced therein for producing musical notes of the entire musical scale corresponding to the combined frequencies generated in said secondary element.

2,103,170
CLINKER COOLER
Ray C. Newhouse, Wauwatosa, and Bertram H. Puerner, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application February 23, 1935, Serial No. 7,686
10 Claims. (Cl. 34—38)



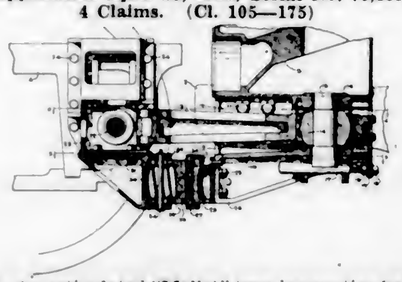
3. In a cooler, a perforate support for a bed of material to be cooled, means including a duct below said perforate support for passing a current of cooling fluid upwardly through said support, and hollow side members associated with said perforate support for retaining said bed of material thereon, said hollow side members communicating with said duct and being cooled by cooling fluid entering said duct and passing through said hollow side members.

2,103,171
FIREPLACE AIR BLASTING
Oliver C. Nilson, Carthage, Mo.
Application January 19, 1937, Serial No. 121,349
4 Claims. (Cl. 126—120)



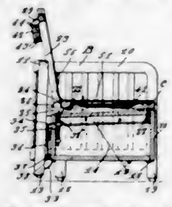
2. In combination with a fireplace having a fuel supporting means, an air discharge head located in the fireplace below the fuel carried by the fuel supporting means, said head tapering towards the rear wall of the fireplace and having air discharge openings formed in the sides thereof and the top wall adjacent the front end, hoods formed in the top wall over the openings thereof, an air intake neck formed on the head, an air pipe connected to said neck and having communication with the atmosphere within a room.

2,103,172
ARTICULATED LOCOMOTIVE
Henry K. Patjens, Yeadon, Pa.
Application April 25, 1936, Serial No. 76,455
4 Claims. (Cl. 105—175)



1. An articulated "Mallet" type locomotive having front and back frames with individual power producing mechanism comprising, in combination, means for pivotally connecting said power frames together in positive relation but adapted to allow vertical and lateral relative movement therebetween, elements having opposed surfaces adapted for vertical and lateral slidable contact with each other, spring means for pressing said surfaces into frictional contact with each other, and means connecting said elements respectively to said frames so that said vertical and lateral movement is transmitted from the frames to said surfaces without such movement being transmitted through said spring means.

2,103,173
SOFA BEDSTEAD
Antonio T. Pison, Molo, Iloilo, P. I.
Application November 27, 1935, Serial No. 51,919
2 Claims. (Cl. 5—40)

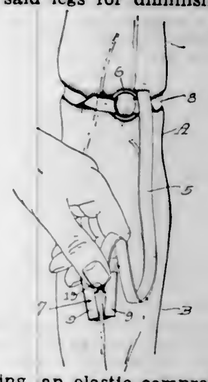


1. An article of furniture of the character described comprising head and foot pieces each including stationary and horizontally swinging sections, a box-like body supported by the stationary sections and arranged between the same, a rest frame carried by the box-like body and having an extensible portion for extension between the swinging sections of the head and foot pieces, means for initially moving the swinging sections of the head and foot pieces inwardly toward the box-like body for subsequently holding the extensible portion of the rest in a position to form a back support and foot operated means for latching the swinging sections of the head and foot pieces in positions when the rest frame is extended therebetween and when the latter is in back supporting position.

2,103,174
SURGICAL INSTRUMENT
Victor Manuel Posada, San Salvador, El Salvador
Application January 27, 1936, Serial No. 61,110
2 Claims. (Cl. 128—215)

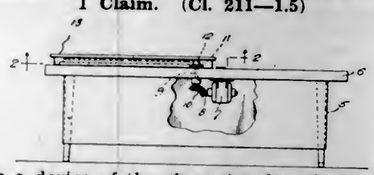
1. A surgical appliance comprising a plate for retaining in operative position a vein, said plate

embodying in its construction a pair of legs spaced one from the other to provide an opening for receiving the vein therein, spring means connecting said legs for diminishing the width



of the opening, an elastic compressible member connected to said plate and adapted to encircle the limb of a patient, whereby upon compression of said member the vein will be enlarged in the opening of said plate.

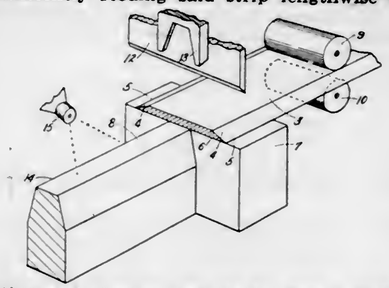
2,103,175
ADVERTISING OR DISPLAY DEVICE
Leendert Prins, Port Washington, N. Y.
Application October 17, 1935, Serial No. 45,487
1 Claim. (Cl. 211—1.5)



In a device of the character described, a hollow base provided with a flat top member, a vertical shaft centrally journaled in and extending through said top member, a motor attached to the under side of said top member and geared to the lower end of said vertical shaft for imparting rotary motion to the latter, the lower portion of said vertical shaft and said motor being concealed within said hollow base, a flat display member resting upon and freely movable over the surface of said top member, means concealed in said display member for utilizing the rotary motion of said vertical shaft to cause movement of said display member over the surface of said top member in an irregular path, said display member being formed with an irregular endless groove in the under side thereof, said groove having a relatively narrow upper portion and a wider lower portion, said last-named means comprising rack teeth on the inner wall of the lower wider groove portion, a pinion secured on the vertical shaft and meshing with said rack teeth, and a guide roller freely journaled on the vertical shaft above said pinion and engaging the outer side wall of the narrow upper portion of the groove.

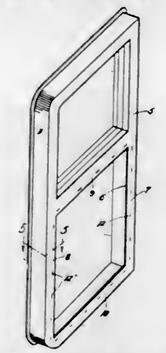
2,103,176
METHOD OF MAKING STAPLES
Howard D. Randall, Cincinnati, Ohio, assignor to The Randall Company, Cincinnati, Ohio, a corporation of Ohio
Application September 25, 1935, Serial No. 42,072
3 Claims. (Cl. 59—77)

1. The method of staple manufacture which comprises the steps of first forming a long strip of material having parallel side edges chamfered to provide opposed sharpened edges, then intermittently feeding said strip lengthwise to a



cutting and shaping mechanism which cuts off in succession short lengths of the strip and thereafter bends them to provide legs and a connecting head with the chamfered portions at the free ends of the legs.

2,103,177
MEANS FOR PANELING
Howard D. Randall, Cincinnati, Ohio
Application July 6, 1936, Serial No. 89,053
5 Claims. (Cl. 296—44)

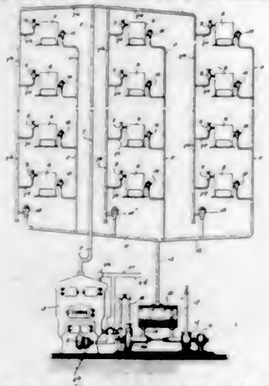


1. In a self-locating panel structure, the combination of a support to be paneled and comprising a sheet metal member having a supporting face and a back, said supporting face having a series of elongated through chisel cuts formed therein, each providing a pair of parallel continuous deformable clamping edges bulged inwardly toward the back of said member leaving the supporting face dented toward the back along substantially the length of said elongated cuts, and means including nail shanks for securing a panel to the supporting surface, the shanks each being guided by the dented areas alongside of the chisel cuts when driven therethrough to deform said clamping edges for frictionally holding the shanks.

2,103,178
STEAM HEATING SYSTEM AND METHOD OF SUPPLYING STEAM TO THE RADIATORS THEREOF
Fred I. Raymond, River Forest, Ill.
Application March 22, 1934, Serial No. 716,914
6 Claims. (Cl. 237—9)

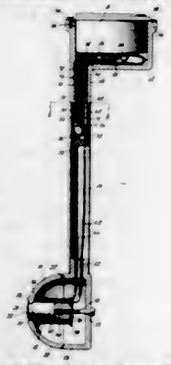
1. The method of supplying steam to a plurality of radiators connected by a system of sup-

ply piping to a source of steam supply which consists in increasing the freedom of flow of steam from the supply piping to the radiators as the differential between the pressure in the piping and the pressure in the radiators increases, and decreasing the freedom of flow of steam from the



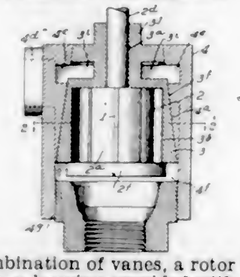
supply piping to the radiators as the differential between the pressure in the piping and the pressure in the radiators decreases, and so controlling the said changes in freedom of flow of steam as to cause the amount of steam passing into the radiators to constitute a substantially straight line function of the said differential.

2,103,179
TESTING DEVICE
Albert M. Rennau, Hannibal, Mo., assignor of forty percent to Robert H. McKinney, Hannibal, Mo.
Application August 6, 1935, Serial No. 34,964
5 Claims. (Cl. 175—183)



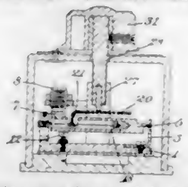
1. A device of the type described comprising a hollow head, a pole piece mounted within the head and having a part extending to the exterior thereof and being adaptable to be positioned in operating proximity with a machine part being tested, a coil wound upon said pole piece, an ammeter, a tubular member connecting the ammeter with said head, and electrical connections between the ammeter and said coil and being housed within the tubular member, said tubular member and said electrical connections being separable, and an extension for operatively connecting the separated tubular member including electrical connections connectible with said separated electrical connections.

2,103,180
ROTARY MOTOR
Edwin Leroy Rice, Silver Spring, Md., assignor to Rice Manufacturing and Aerial Transport Corporation, a corporation of Arizona
Application June 15, 1933, Serial No. 675,890
14 Claims. (Cl. 121—92)



6. The combination of vanes, a rotor for carrying the vanes, a housing provided with an oblong socket adapted to receive the rotor and to form chambers between the housing and rotor, a flange upon the rotor adapted to cover the socket and form an inclosure for the chambers and means for conducting fluid outwardly over the flange to the chambers and centrally beneath the vanes.

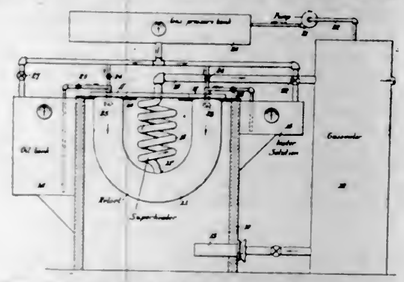
2,103,181
SNAP ACTION MECHANISM FOR OPERATING ELECTRIC SWITCHES
Thomas Guthrie Richmond, Glasgow, Scotland
Application September 22, 1936, Serial No. 102,021
In Great Britain October 17, 1935
11 Claims. (Cl. 200—138)



1. A snap action make and break mechanism comprising in combination a body, an operating member pivoted at one end to said body, a member at the other end of said body, with which the other end of said operating member makes contact, a member pivotally supported at one end on said body and at the other end on said operating member applying a resilient turning moment to said operating member in one direction, and a resilient bimetallic member mounted upon said body adapted to apply a force which creates a turning moment which is applied in the opposite direction to said operating member, movement of said operating member taking place when one turning moment overbalances the other turning moment, and the snap action being due to the overbalanced turning moment decreasing more rapidly than the other turning moment and taking place before the said operating member reaches the dead centre or neutral position.

2,103,182
PROCESS FOR MAKING GAS
Herbert E. Rider, New York, N. Y., assignor, by mesne assignments, to Henry L. Rosenfeld, Jr.
Application February 5, 1935, Serial No. 5,022
6 Claims. (Cl. 48—197)

4. The process of making a fixed gas from petroleum oil comprising heating the oil to convert it into a vapor, heating a solution of water and chemicals consisting of an acid, potassium bichromate and silver nitrate to a reaction temperature of approximately 1207° F., mixing to-



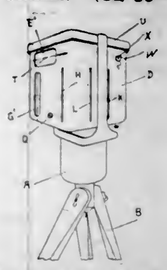
gether the oil and solution so heated while at said temperature and thereafter separating the resultant fixed gas from the products of the reaction.

2,103,183
WATER BUOYED ENGINE AND MOUNTING FOR MOTOR BOATS AND THE LIKE
Hugh M. Rockwell, Freeport, N. Y.
Application June 16, 1934, Serial No. 730,953
12 Claims. (Cl. 115—34)



1. A motor boat provided with an opening in its bottom, a complete power plant including a propeller and a shaft mounted as a unit in the bottom of a boat hull, the area of the opening in the boat hull being so proportioned that the upward pressure of the water on said area is approximately equal to the weight of said complete power plant, and a flexible and resilient water tight mounting joining the power plant directly to the boat, and permitting relative universal movement between the power plant and the boat bottom.

2,103,184
LEVELING AND SQUARING DEVICE
Carlo Roggero, Arenzano, Italy
Application March 29, 1937, Serial No. 133,742
In Germany April 6, 1936
7 Claims. (Cl. 33—72)



1. In a combined leveling and squaring device, a box, a Cardanic suspension for said box, a forked supporting member or stirrup for supporting the said box through the said Cardanic suspension, narrow horizontal slits in the upper part of the box and wider apertures or slots opposite of each of the said slits, narrow vertical slits below said horizontal slits and apertures and wider vertical apertures or slots opposite of said vertical slits and vertical cross hairs on said apertures, whereby the vertical slits come to lie all on one vertical half of the box and the wider apertures or slots are provided on the other half of the box, the said vertical slits and apertures being spaced from one another of equal angles about the centre of the device.

2,103,185
CRANKSHAFT
Edmund Rumpler, Berlin-Charlottenburg, Germany
Application December 16, 1935, Serial No. 54,646
In Germany February 10, 1934
7 Claims. (Cl. 74—596)



1. A crankshaft for piston engines comprising an integral and hollow one-piece cast body, hollow crank bearings and crank pins and crank arms in said body integrally formed therewith, said hollow crank bearings, pins and arms forming at least one channel, free from permanent metallic cores including tubes, extending throughout said body and occupying the major portion of the cross section thereof.

2,103,186
CHLORINATED RUBBER COATING COMPOSITION
Jacob M. Schantz, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1935, Serial No. 29,505
9 Claims. (Cl. 134—17)

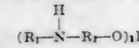
1. A coating composition comprising a substantially homogenous solution of chlorinated rubber and "thermolyzed" tung oil, the "thermolyzed" tung oil being present in sufficient quantity to render the film deposited by said coating composition smooth, tough, and chemically resistant, said coating composition being further characterized by the fact that it will not gel on storage.

2,103,187
METHOD FOR DETECTING SMALL QUANTITIES OF GAS
August Gustav-Adolf Schröter, Hamburg, Germany, assignor to Otto Heinrich Dräger, Lubeck, Germany
No Drawing. Application May 24, 1934, Serial No. 727,373. In Germany May 24, 1933
4 Claims. (Cl. 23—232)

1. In a method for verifying the presence of small quantities of adsorbable gas or vapor in air or other gases, the steps which comprise passing the air or gases containing the adsorbable gas or vapors to be verified through a solid gas-adsorbing medium preferentially adsorbing said gas or vapor, whereby the gas or vapor to be verified is concentrated upon the gas adsorbing medium, and then applying to the medium a substance which will react with the gas or vapor concentrated upon the medium to produce a change in the appearance of the medium containing the substance.

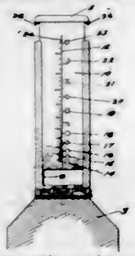
2,103,188
ANTIOXIDANT
Waldo L. Semon, Silver Lake, and Robert V. Yohe, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 9, 1936, Serial No. 100,034
19 Claims. (Cl. 18—50)

1. The method of retarding the deterioration of an organic substance which tends to deteriorate by absorption of oxygen from the air which comprises treating the said substance with a compound having the general structural formula:



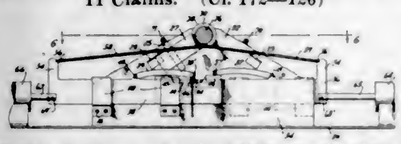
where R_1 represents an aryl radical, R_2 represents an arylene radical, and R_3 represents a bivalent radical selected from the class consisting of alkylene and aralkylene hydrocarbon radicals and dialkyl ether radicals.

2,103,189
GUN SIGHT
Samuel D. Shepard, Chevy Chase, Md.
Application January 23, 1935, Serial No. 3,127
1 Claim. (Cl. 33—51)



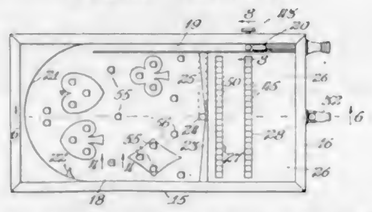
A gun sight consisting of two detachable parts; one part consisting of an integral U-shaped frame having means for hingedly mounting the same on a firearm, each of the vertical legs of said frame having a longitudinal groove on the inner face thereof; the second part consisting of a thin sheet metal plate having its vertical edges slidable in said grooves, said plate having a rigid bar attached to the top edge thereof with portions extending edgewise therefrom, said portions resting on the ends of said legs and having means interengaging with said legs whereby the frame around said plate is rigidified; said plate having openings for sighting, such openings including a narrow vertical slit centrally placed in said plate and distance symbolizing openings adjacent said vertical slit, said slit having slight enlargements adjacent such symbolizing openings.

2,103,190
DRIVE MECHANISM
Nathen E. Squire, Chicago, Ill.
Application January 18, 1937, Serial No. 121,075
11 Claims. (Cl. 172—126)



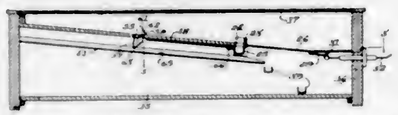
1. An electro-mechanical drive mechanism including a pendulum, switch means operable by the pendulum as it approaches the opposite limits of its oscillatory movement, a pair of oppositely disposed and reciprocable slide arms each having spring means connected with said pendulum and operable when a said arm is moved into retracted position to impart pivotal movement to the pendulum and also to urge the said slide arm out of retracted position, releasable latch means for each of said slide arms and operable to latch the same in retracted position, electro-magnetic means operable by the aforesaid switch means to move one of said slide arms into retracted position for each reversal of the pendulum's swing, each said slide arm being operable as it is moved into retracted position to unlatch the opposite arm from retracted position.

2,103,191
AMUSEMENT GAME
Edward P. Stein, Fulton D. Thornton, and Robert Morris, Chicago, Ill., assignors of one-half to John A. Russell, Chicago, Ill.
Application December 28, 1934, Serial No. 759,538
7 Claims. (Cl. 273—121)



1. An amusement game having an inclined board over which balls may be rolled to drop through holes formed in the board, an inclined alley member below the board to receive and guide the balls received from the holes, a slotted register plate at the lower end of the board, movably mounted registers carried under the plate and having depending legs located in position, at the end of the alleys to be engaged by the balls rolling down the alleys to move the registers into view under the slot in the plate, and means included in the game to temporarily hold the balls in register setting position.

2,103,192
AMUSEMENT GAME
Edward P. Stein, Fulton D. Thornton, and Robert Morris, Chicago, Ill., assignors of one-half to John A. Russell, Chicago, Ill.
Original application December 28, 1934, Serial No. 759,538, Divided and this application April 13, 1937, Serial No. 136,560
10 Claims. (Cl. 273—119)

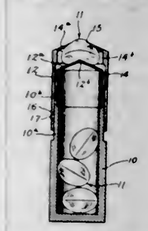


2. A game of the ball projecting type having an inclined game board provided with holes therethrough, a movably mounted closure member adjacent each of said holes and having portions operable by balls dropping through said holes to move the closure members to hole closing positions, and means movably carried below the game board for resetting said closure members into hole opening positions.

2,103,193
PROCESS FOR THE RECOVERY OF THE UNSAPONIFIABLE FRACTIONS OF OILS
Robert Preston Nichols, Miami, Fla., assignor to Edward L. Nichols, Hollywood, Fla.
No Drawing. Application September 19, 1933, Serial No. 690,107
2 Claims. (Cl. 260—153)

2. The process of recovering the unsaponifiable fractions of fish liver oil which comprises adding to and immediately mixing with the oil dry powdered sodium hydroxide, the latter being added to the oil substantially as a mass in large excess over that necessary to saponify the saponifiable fractions of the oil, so as to absorb moisture for protecting the vitamins and cause to be quickly formed a solidified mixture of soap and sodium hydroxide of requisite hardness to be reduced to a powder by a grinding operation; operating upon said solidified mixture to grind it to a powder; treating the resulting powder with a volatile liquid in which both the unsaponifiable and saponifiable fractions of the oil are soluble, but in which both the soap and sodium hydroxide are insoluble, for dissolving the unsaponified fractions of the oil from the powder; separating the powder from the resulting solution of the unsaponified fractions of the oil; and treating the powder free solution for vaporizing the volatile liquid solvent therefrom to obtain a concentration of the unsaponifiable fractions of the oil.

2,103,194
LIQUID DISPENSER AND METHOD FOR DISPENSING LIQUIDS
James Wallace Thorsen, Bronxville, N. Y.
Application October 10, 1933, Serial No. 692,956
12 Claims. (Cl. 221—1)



1. In a construction of the general nature of that herein described, in combination, a supporting member, and a cylindrical part fitting over said member and having an aperture formed in the end thereof, said supporting member and the end of said cylindrical part adapted to hold a capsule of liquid so that a portion thereof covers said aperture whereby when said capsule is ruptured pressure applied thereto by said cylindrical part forces some of the liquid in said capsule therefrom.

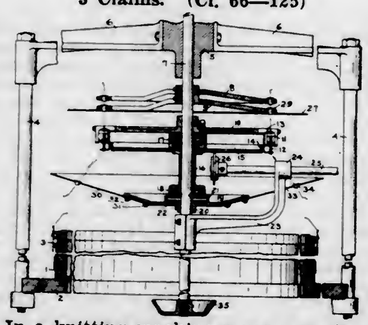
2,103,195
INSECTICIDE
Howard A. Jones, Washington, D. C., dedicated to the free use of the People of the United States of America
No Drawing. Application July 3, 1937, Serial No. 151,915
8 Claims. (Cl. 260—54)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A new chemical compound composed of a monomolecular combination of rotenone and dichloroacetic acid.

2,103,196
INSECTICIDAL OIL SPRAY
Hugh Knight, Claremont, Calif., assignor to Emulsoids, Inc., San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 2, 1935 Serial No. 19,467
7 Claims. (Cl. 167—43)

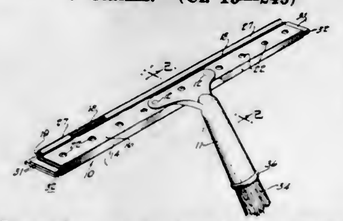
7. A tree spray composition comprising about 95% to 99% of paraffinic mineral oil, about .1% to 2.0% of toxic naphthenic acid, and about .5% to 4.5% oil soluble emulsifier.

2,103,197
DEFLECTOR FOR KNITTING MACHINES
Robert H. Lawson and William L. Smith, Jr., Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 18, 1935, Serial No. 17,037
In Canada October 11, 1934
3 Claims. (Cl. 66—125)



1. In a knitting machine a yarn supply and a needle bed, means positioned between the yarn supply and needle bed for accurately determining the relative feeding rates of two or more yarns including yarn driven discs rotating in jeweled bearings, a supporting member, a lint collecting member positioned on said support above said yarn driven discs and an oil deflecting member between said discs and the needle bed projecting radially of the same a distance sufficient to prevent oil from being thrown into the vicinity of said discs.

2,103,198
CLEANING TOOL
Herman Siemund, Chicago, Ill., assignor to Greenview Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1936, Serial No. 68,488
7 Claims. (Cl. 15—245)



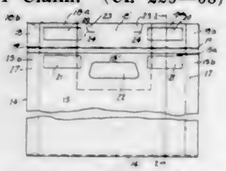
1. In a cleaning device of the character described, a U-shaped structure having means on one arm thereof for engaging a clamping bar in said structure, an angular clamping bar in said structure having means along one side for en-

gaging said means of said U-shaped structure, a cleaning member having one edge thereof positioned between the clamping bar and the opposite arm of said U-shaped structure, and means for rigidly securing said cleaning member within said U-shaped structure.

2,103,199
BAG

Howard A. Wolf, Philadelphia, Pa., assignor to Wolf Brothers, a partnership composed of Louis Wolf, Elias Wolf, Howard Wolf, and Walter Wolf, Philadelphia, Pa.

Application November 11, 1935, Serial No. 49,178
1 Claim. (Cl. 229—68)

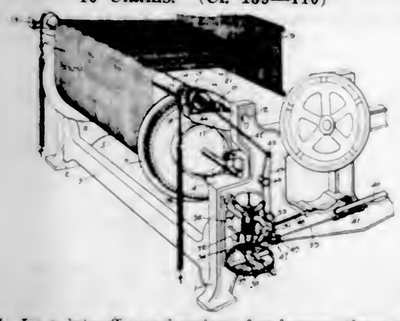


A bag for receiving articles of merchandise for carrying, being generally open at one end and having a flap extending beyond said open end, a centrally located aperture extending transversely through the bag near the open end thereof, through which the hand may be extended for holding the bag pendently; said flap being adapted to be folded over the open end of the bag and having a tab formed therein adapted to be folded into said transverse aperture in the body of the bag thereby forming central locking means, a similar gummed area on the face of said bag on either side of said transverse aperture and spaced therefrom, said areas extending near to but not quite up to the edges of the bag and of said aperture and being also spaced from the open end thereof, and a corresponding pair of similarly spaced gummed areas on the juxtaposed face of said flap and spaced from the edges thereof, whereby, by folding over the flap and pressing together the corresponding gummed areas, those portions of the bag opening which do not adjoin the transverse aperture but are spaced a substantial distance therefrom may be securely closed, and whereby the central portion of the bag opening may be closed by means of the coacting flap tab and the central transverse aperture.

2,103,200
CONSTANT TENSION LET-OFF MECHANISM

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application March 5, 1937, Serial No. 129,169
10 Claims. (Cl. 139—110)

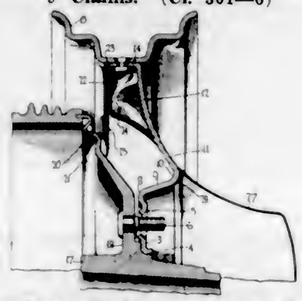


1. In a let-off mechanism for looms, the combination of a rotatable warp beam, supporting means comprising a pair of spaced parallel racks positioned above said warp beam and extending generally forwardly and rearwardly of the loom, a whip roll structure including gears meshing with and rolling along said racks, and a whip roll supported by said gears for movement therewith along with said racks, the warp sheet from said warp beam extending upwardly and forwardly about said whip roll, means yieldingly urging said whip roll rearwardly along said racks to tension the warp sheet, and let-off means for controlling the rate of rotation of said warp beam.

2,103,201
VEHICLE WHEEL

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 1, 1934, Serial No. 723,305
9 Claims. (Cl. 301—6)

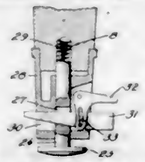


3. A vehicle wheel comprising a sheet metal front spider including a bolting-on flange and an annular portion projecting forwardly therefrom and connected through a conical nave portion into spoke portions, a hub including a flange merging into a brake drum element having a seat disposed a substantial distance radially outwardly from the periphery of the hub flange, and a sheet metal rear spider including spoke portions cooperating with the front spider spoke portions to form tubular spokes and an annulus, the latter disposed on said seat.

2,103,202
LEG ADJUSTER

Clifford H. Green, Grand Rapids, Mich., assignor to Automatic Instrument Company, a corporation of Michigan

Application October 24, 1933, Serial No. 694,987
2 Claims. (Cl. 45—139)

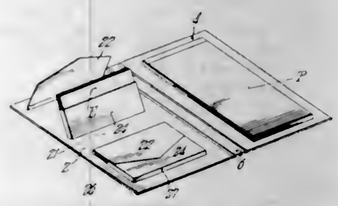


1. In a table leg adjustment comprising a ferrule for mounting on the lower end of the leg, the ferrule having a transversely grooved bore, a foot having a similarly grooved stem slidable in the bore, the stem being smaller in diameter than the bore, and a cam rotatably mounted in the side of the ferrule and having a lever arm projecting from the ferrule accessible for manual operation to wedge the stem over against the opposite side of the bore.

2,103,203
PORTFOLIO

Oscar W. Jolly, Holyoke, Mass., assignor to Springfield Photomount Company, Holyoke, Mass., a corporation of Massachusetts

Application September 4, 1936, Serial No. 99,460
2 Claims. (Cl. 206—63)



1. As a new article of manufacture, a portfolio of the class described comprising in combination, a substantially flat support member, covering material secured to and overlying a surface of said member, said covering material being provided with a pair of substantially parallel slits spaced apart a certain distance, and a longitudinal pocket-forming member of foldable material inserted into said slits so as to have an intermediate portion disposed between the support member and the portion of the covering material between the slits and end portions at opposite ends of the intermediate portion disposed above the covering material, the said pocket-forming member being folded along lines extending between the said intermediate and end portions whereby the end portions may swing relative to the surface of said support member.

2,103,204
LUBRICATING GREASE AND METHOD FOR ITS PRODUCTION

Donald A. Lister, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 21, 1936, Serial No. 97,174
11 Claims. (Cl. 87—9)

1. A lubricant comprising a lubricating oil admixed with a metallic salt of a rosin which has been subjected to treatment with a hydrogenation catalyst at an elevated temperature in the absence of added substances capable of reducing the unsaturation of the metal under the conditions of treatment.

2,103,205
ART OF SHRINKING FABRICS

Latimer D. Myers, Cincinnati, Ohio, assignor to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

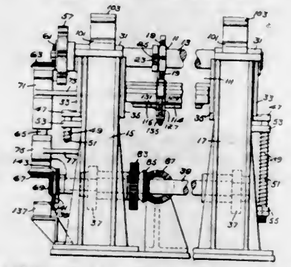
No Drawing. Application October 19, 1935, Serial No. 45,833
15 Claims. (Cl. 26—18.5)

1. In the art of shrinking fabrics mechanically, the step of treating cotton fabrics which are differentially repellent to water, prior to the time that they are shrunk, to render such fabrics uniformly receptive to water in the mechanical shrinking process, which step comprises, treating the fabric to be shrunk with an aqueous solution comprising oil soluble mineral oil sulphonates and stable mineral oil.

2,103,206
APPARATUS FOR WELDING NAILS TO A METAL BODY

William T. Ober, Marblehead, Mass., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass., a corporation of Massachusetts

Application November 5, 1936, Serial No. 109,345
2 Claims. (Cl. 219—4)

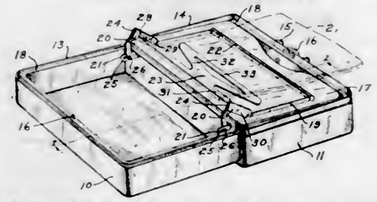


1. A machine for welding nails to a metal strip or the like, comprising a series of coaxially mounted, rotatable nail carrying turrets having each a plurality of equally spaced, radial nail holders adapted each to receive and carry a nail, a turret shaft on which said turrets are mounted and by which said turrets are turned, means for holding a metal strip adjacent said turrets and parallel to the axis thereof, said carriers being angularly fixed on said shaft to bring the nail holders of successive carriers in an aligned spaced serial relation and said nail holders, when said shaft is turned, moving in paths lying in spaced planes at right angles to said shaft and to said strip, vertically sliding heads in one of which each opposite end of said turret shaft is mounted, columns in which said heads are mounted for vertical sliding movement, means also carried by one of said heads for turning said shaft, thereby simultaneously to turn said turrets and present a longitudinal series of nail holders in operative relation to said strip with their nails at right angles to and the nail heads adjacent said strip, means coordinately to move said sliding head and thereby said shaft and turrets to press the heads of the series of nails against said metal strip in spaced relation lengthwise the same, and means for passing a welding current simultaneously through the entire series of nails and contacting portions of said strip to weld the nails thereto.

2,103,207
TRAVELING BAG

Frank J. Sullivan, Oshkosh, Wis.

Application June 6, 1934, Serial No. 729,168
2 Claims. (Cl. 190—41)



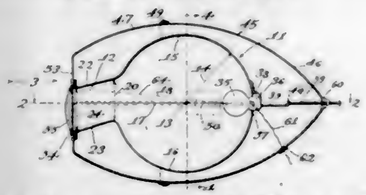
1. A traveling bag, comprising, hingedly connected sections swingable into end-to-end alinement, a garment folding frame having side arms provided with reversely bent ends and a transverse bar rigidly interconnecting the opposite arm ends, brackets secured to one of said sections

adjacent the hinge connection thereof and means pivotally supporting said bent frame arm ends on said brackets, the bent ends of said frame arms being formed to clear the hinged walls of said sections and to position said bent arm portions a considerable distance above the upper ends of said walls when the bag is wide open and said frame has been swung over the other section in which position the reverse bend enables the side arms to lie parallel with said other section, and one or more garment hangers attachable directly to said bent arm portions remote from said bar.

2,103,208

NONGLARE HEADLIGHT

John A. Von Wald, Los Angeles, Calif.
Application July 7, 1936, Serial No. 89,273
5 Claims. (Cl. 240—41.3)

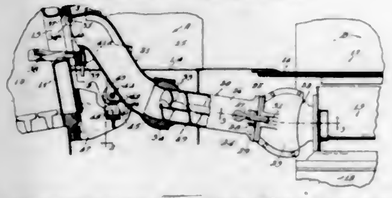


1. A headlight comprising a reflector substantially circular on its vertical diameter, the rear portion being circular on its horizontal diameter but the forward portion on the horizontal diameter having an outward somewhat spiral curve, a structure forming a channel extending outwardly from the forward portion of the reflector, said channel having side walls diverging symmetrically from a vertical plane through the center of the reflector, a lamp mounted on the rear portion of the reflector with its center located substantially at the intersection of the vertical longitudinal plane and horizontal longitudinal plane through the reflector, the said channel having upper and lower walls sloping downwardly and merging with the side walls to form somewhat of an oval considered in a vertical transverse plane, the line of divergence of the side walls of the channel being substantially on a line from the center of the lamp.

2,103,209

STOKER CONVEYER

Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Inc., (1922), a corporation of Delaware
Application July 18, 1931, Serial No. 551,605
Renewed February 6, 1937
19 Claims. (Cl. 198—15)

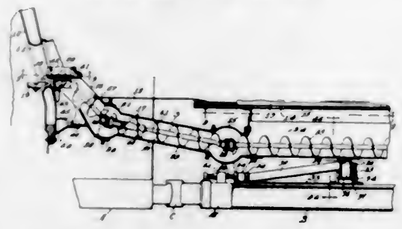


1. In combination, a firebox backwall having a firing opening therein, an upwardly extending conduit section delivering to said opening, a hinge having its axis substantially parallel with said backwall and connecting the forward end of said conduit with said backwall, said conduit adjacent its fuel receiving end carrying supporting means, and an arcuate track for said supporting means permitting swinging movement of said conduit about the axis of said hinge.

2,103,210

LOCOMOTIVE STOKER

John W. Myers, Roanoke, Va., assignor, by mesne assignments, to The Standard Stoker Company, Inc. (1922), a corporation of Delaware
Application February 5, 1932, Serial No. 591,126
Renewed April 23, 1935
20 Claims. (Cl. 198—15)

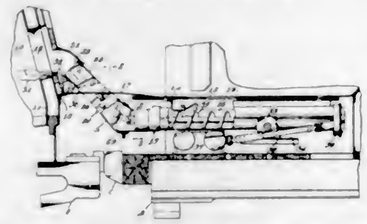


1. In combination, with an intercoupled locomotive and tender, the former having a firebox and the latter a fuel bin, a flexible conduit system extending from said bin to said locomotive and arranged to deliver fuel to the firebox thereof comprising a conduit section slidably mounted on said locomotive to permit fore and aft movement of said conduit system with respect to said firebox and a second conduit section flexibly connected to the first named section and being fixedly mounted on the tender with respect to longitudinal movement thereof and pivotally mounted on the tender about transverse and vertical axes, and means preventing vertical and transverse movement of the first named conduit section.

2,103,211

LOCOMOTIVE STOKER

Charles J. Surdykowski, Tuckahoe, N. Y., now by judicial change of name Charles J. Surdy, assignor to Standard Stoker Company, Inc., (1922), a corporation of Delaware
Application May 25, 1932, Serial No. 613,363
17 Claims. (Cl. 110—101)

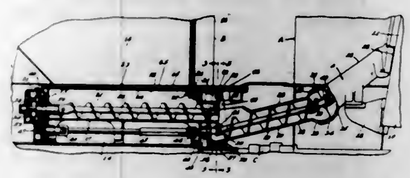


14. In combination with a locomotive having a firing opening in the backwall thereof, a tender for said locomotive, a bridging element extending between the locomotive and tender and supported by them at its ends, said bridging element at one of said ends being hingedly supported, a fuel conduit section communicating with said firing opening, said conduit section extending through said bridging element and being supported thereby.

2,103,212

CONVEYER

Edwin Archer Turner, New York, and Charles J. Surdy, Tuckahoe, N. Y., assignors, by mesne assignments, to The Standard Stoker Company Inc., (1922), New York, N. Y., a corporation of Delaware
Application June 27, 1936, Serial No. 87,622
6 Claims. (Cl. 198—15)

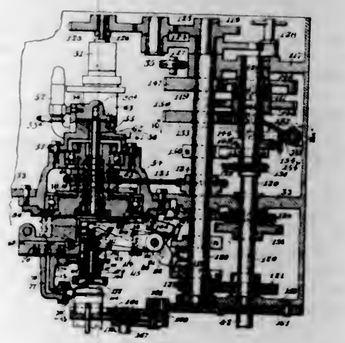


1. In an intercoupled locomotive and tender, a conveyer of constant length extending between the locomotive and tender, one end of said conveyer being flexibly supported on one of said vehicles and having an unvarying longitudinal relation therewith, the opposite end of said conveyer being disposed on the other of said intercoupled vehicles, means for supporting the last named end of said conveyer on such vehicle, said means including a member pivotally supported on such vehicle to swing on a horizontal transverse axis only, the last named end of said conveyer being pivotally supported on said member for movement about a vertical axis, and means restraining axial rotation of said conveyer.

2,103,213

CONTAINER SEALING MACHINE

Irving E. Black, Frederick J. Hoffer, and Henry B. Silver, Brooklyn, N. Y., assignors to Plastic Seal Corporation, Brooklyn, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,784
36 Claims. (Cl. 226—80)

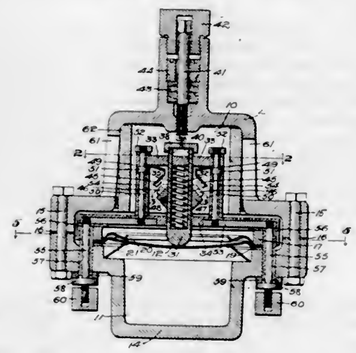


1. In a container sealing machine having a container support and means for discharging sealing fluid about the joint between a container and its closure upon the container support, said support and discharging means being relatively movable, and means for causing relative movement between the container support and the discharge means, first in one direction and thereafter in another direction.

2,103,214

FLUID PRESSURE RESPONSIVE DEVICE

John R. Coffin, West Medford, Mass., assignor to Barostat Company, Boston, Mass., a corporation of Massachusetts
Application August 24, 1929, Serial No. 388,154
7 Claims. (Cl. 137—156)

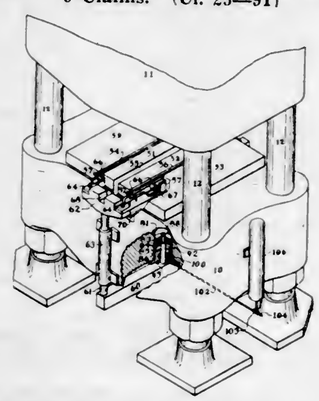


1. In a fluid pressure responsive device, the combination of a casing, a diaphragm therein dividing said casing into two distinct, non-communicating chambers each substantially isobaric within its boundaries, and means in one chamber, actuated by said diaphragm, such chamber being provided with the sole means for connection of the device with a fluid pressure system, the second chamber having all its joints or connections enclosed within and terminating within the first chamber.

2,103,215

PRESS FOR MOLDING SHAPED ARTICLES

Arnold M. Cook, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 30, 1936, Serial No. 103,404
9 Claims. (Cl. 25—91)



1. A power press for molding shaped articles comprising two press platens, power mechanism for moving one of the platens towards the other, an elevator adapted to hold a mold between the platens and means for yieldingly supporting the elevator against the pressure of the movable platen.

2,103,216

CALCIUM SULPHATE PLASTERS

John Stanley Dunn, Norton-on-Tees, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application January 23, 1936, Serial No. 60,542. In Great Britain January 28, 1935

8 Claims. (Cl. 106—34)

1. A plaster mix capable, when gauged with water, of setting with a uniformly coloured surface and substantially without laitance, comprising a coloured unset plaster constituent and a proportion of an already set plaster constituent containing colour incorporated prior to setting, the said set plaster constituent being less finely divided than the unset plaster constituent, both the unset plaster constituent and the set plaster constituent containing the same pigment.

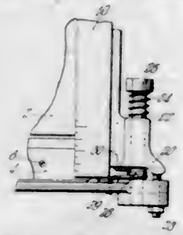
2,103,217

CUTTING APPARATUS

William H. Ford, East Longmeadow, Mass., assignor to Milton Bradley Company, Springfield, Mass., a corporation of Massachusetts

Application October 17, 1936, Serial No. 106,100

2 Claims. (Cl. 164—44)



1. A cutting device of the class described comprising in combination, a support, a stationary knife on said support, a rotatable and reciprocable shaft associated with said support, a movable knife carried by said shaft for swinging downwardly towards said stationary knife and upwardly away therefrom as said shaft rotates, a coil spring extending around said shaft and urging the shaft to reciprocate in one direction to bring said movable knife against said stationary knife, and another coil spring extending around said shaft having a part in engagement with said movable knife urging the knife upwardly and outwardly away from said stationary knife, all adapted and arranged whereby said movable knife is automatically caused to act against said stationary knife as the former is moved downwardly by manual engagement therewith and to move upwardly out of engagement with said stationary knife when released from manual engagement.

2,103,218

HEAT-RESISTANT YARN AND HEAT-RESISTANT CORD AND PROCESS FOR MAKING SAME

Eugene C. Gwaltney and Leon A. Graybill, Macon, and Russell B. Newton, Columbus, Ga., assignors to Bibb Manufacturing Company, Macon, Ga.

No Drawing. Application October 3, 1935, Serial No. 43,454

22 Claims. (Cl. 117—2)

1. The process of manufacturing heat resistant cotton cord which consists in twisting single cotton yarns into a ply, saturating the plied yarns to soften the natural gums and waxes of the cotton fiber, and twisting while wet the saturated plied yarns under tension just short of breaking point to fuse the fibers with the softenend gums and waxes retained therein.

2,103,219

CONTROLLED CATALYTIC OXIDATION

Leslie G. Jenness, Brooklyn, N. Y.

No Drawing. Application January 30, 1935, Serial No. 4,095

6 Claims. (Cl. 23—2)

1. A mixture of manganese oxides capable of substantially completely oxidizing carbon monoxide in the presence of hydrogen and oxygen without substantial oxidation of said hydrogen, said mixture being prepared by dissolving MnO from a manganese oxide consisting essentially of Mn_2O_3, and reducing the remaining MnO_2 at a temperature below approximately 150° C. to produce a mixture of manganese oxides having less than one and more than one third atom of available oxygen per atom of manganese.

5. The method of substantially completely removing carbon monoxide from admixture with hydrogen which comprises contacting a mixture of carbon monoxide and hydrogen in the presence of oxygen with an oxidizing material capable of oxidizing said carbon monoxide without substantial oxidation of hydrogen, said material being prepared by removing MnO from particles of Mn_2O_3 without shattering the particles, and prior to said contacting reducing the remaining MnO_2 at a temperature below approximately 150° C. to a mixture of manganese oxides having less than one and more than one third atom of available oxygen per atom of manganese.

2,103,220

CONTROLLED OXIDATION

Leslie G. Jenness, Brooklyn, N. Y.

No Drawing. Application March 4, 1935, Serial No. 9,264

4 Claims. (Cl. 23—210)

1. The process of substantially completely oxidizing carbon monoxide from gases containing hydrogen and carbon monoxide without oxidizing said hydrogen, which comprises alternately contacting said gases and gases containing free oxygen with a mixture of manganese oxides to alternately reduce and reoxidize said oxides, said carbon monoxide being oxidized during the reduction of said oxides, said oxides having been previously reduced from manganese dioxide at a temperature below 175° C. so that they contain less than one and more than one-third atom of variable oxygen per atom of manganese, discontinuing each oxidation of said carbon monoxide before the available oxygen of said oxidation falls to one-third of an atom of available oxygen per atom of manganese and discontinuing each reoxidation of said oxides before the available oxygen thereof increases to one atom of available oxygen per atom of manganese.

2,103,221

OXIDATION CATALYSTS AND PROCESS

Leslie G. Jenness, Brooklyn, N. Y., assignor to Intermetal Corporation, Newark, N. J., a corporation of Delaware

No Drawing. Application November 14, 1935, Serial No. 49,821

3 Claims. (Cl. 23—234)

3. An oxidizing agent for substantially completely oxidizing carbon monoxide in the presence of hydrogen without oxidizing substantial quantities of hydrogen, which comprises, compressed granules of a mixture of approximately 50 to 75% of powdered copper and finely divided manganese oxide containing more than one-third atom and less than one atom of available oxygen per atom of manganese and prepared by leaching manganous oxide from manganese sesqui-oxide to produce manganese dioxide, and reducing said manganese dioxide at a temperature between approximately 100 and 175° C.

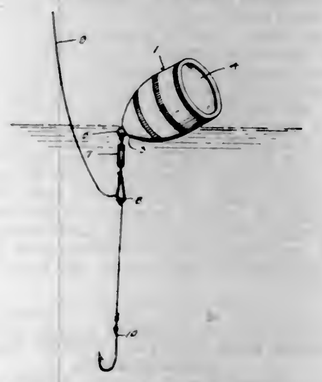
2,103,222

FISHING FLOAT

Moses F. Nelson, Highland Falls, N. Y.

Application April 14, 1936, Serial No. 74,380

2 Claims. (Cl. 43—49)



1. A float for use in still fishing, comprising an elongated body of buoyant material which is cut square across at one end and tapers to a blunt point at the opposite end, means secured in said point facilitating the attachment of a fishing line thereto, and means formed in the material of the body at the first mentioned end for producing a momentary water-free area thereover as the float is drawn downwardly beneath the water surface whereby the entrance of the water into said area will develop a signaling sound.

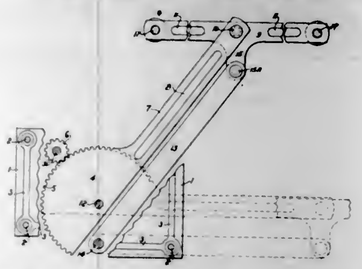
2,103,223

WINDOW CONTROL MECHANISM

John H. Roethel, Detroit, Mich.

Application March 21, 1931, Serial No. 524,298

12 Claims. (Cl. 268—126)



1. In a window regulating mechanism, the combination of a horizontally movable member adapted to be connected to a window, a support, a gear rotatable on said support and having a projecting arm pivoted to said member for moving the window vertically, and a second arm parallel to the first arm and pivoted to the support and member at vertically spaced points equidistant from the axis of rotation of said gear and the pivot of the first arm to said member.

2,103,224

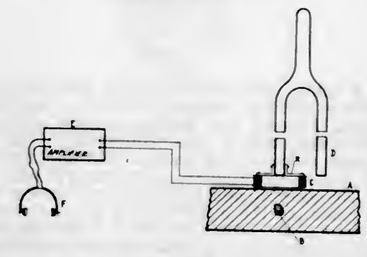
APPARATUS FOR TESTING MAGNETIZABLE WORKPIECES

Eugen Schweitzer, Wiesbaden-Biebrich, and Siegfried Kiesskalt, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the Main, Germany

Application May 22, 1933, Serial No. 672,306

In Germany May 23, 1932

2 Claims. (Cl. 175—183)



1. An apparatus for discovering inhomogeneities in magnetizable workpieces which comprises at least one magnet for magnetizing the workpiece, an inductive coil to be placed in inductive relation to the workpiece, means for causing the inductive coil to oscillate and means of rendering perceptible the current produced in the inductive coil.

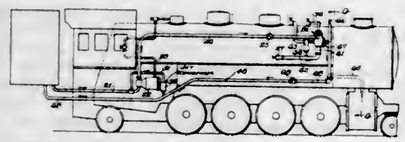
2,103,225

BOILER FEED APPARATUS

Verl E. McCoy, Chicago, Ill., and Ralph W. Anderson, Wauwatosa, Wis.; said McCoy assignor to Wilson Engineering Corporation, Chicago, Ill., a corporation of Delaware

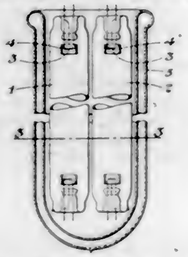
Application June 6, 1935, Serial No. 25,218

3 Claims. (Cl. 122—442)



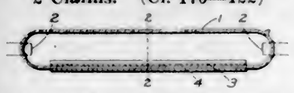
1. In combination with a locomotive boiler, means including a pump for withdrawing feed water from a supply source and delivering it at a pressure exceeding the existing boiler pressure, means for temporarily increasing the water velocity and decreasing the static water pressure to a range below the pressure of exhaust steam from the locomotive cylinders, means controlled by the delivery pressure of said pump for regulating said water pressure and velocity, means for introducing cylinder exhaust steam into said water while at said lowered pressure, and means for decreasing the velocity of the water and raising its pressure after said introduction of exhaust steam to an excess over the boiler pressure and delivering the same into the boiler.

2,103,226
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Marl Johan Druyvesteyn, Willem Uyterhoeven, Cornelis Bol, and Martinus van Dam, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application March 14, 1934, Serial No. 715,462
In Germany March 31, 1933
3 Claims. (Cl. 240—11.4)



3. A lamp unit comprising in combination, a luminous, tubular element having a vaporizable material therein and having parallel parts, an hermetically sealed heat conservator for said luminous element, the walls of said luminous element being separated from the walls of said conservator, each of said parallel parts being a heating means for the other of said parts to localize the light obstructing deposits of the condensed metal in each part of said luminous element at places on said parts other than those places adjacent the other of said parts during the operation of said luminous element.

2,103,227
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Marl J. Druyvesteyn, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application August 16, 1937, Serial No. 159,428
In Germany August 28, 1936
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising a container, electrodes sealed therein, a quantity of vaporizable metal therein the vapor of which is luminosity producing during the operation of the device, the inner wall of said container being resistant to the hot, ionized metal vapor and being subject to attack by the unvaporized portion of said metal, a condensing surface on said container and a material inert with respect to said metal in any state interposed between said surface and the unvaporized portion of said metal and covering said surface to protect said surface from the deleterious effects of said unvaporized metal.

2,103,228
WHITE CLOUDED VITREOUS ENAMEL
Ignaz Kreidl, Vienna, Austria
No Drawing. Application April 8, 1933, Serial No. 665,193. In Austria April 20, 1932
3 Claims. (Cl. 106—36.2)

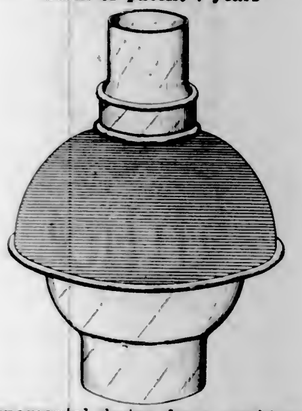
1. In a method of producing a metallic article having thereon a coating of clouded vitreous enamel having an opacity substantially greater than that which could be produced with the frit used and clay alone, and in which a substantial part of the increased opacity is contributed by gas bubbles retained in the enamel, incorporating in the enamel slip containing clay a gas-evolving agent which, upon the firing of the enamel, evolves gases which are retained in the enamel at the firing temperature thereof in the form of bubbles of such sizes and number as to contribute a substantial increase to the opacity, said gas-evolving agent being selected from the group consisting of highly polymerized hydrocarbons, substitution products thereof, dispersions of such highly polymerized hydrocarbons and substitution products thereof, resins, pitches, tars and asphalts.

2,103,229
PROCESS FOR MAKING WHITE CLOUDED IRON ENAMEL
Ignaz Kreidl, Vienna, Austria
No Drawing. Application November 7, 1933, Serial No. 697,068. In Austria November 28, 1932
4 Claims. (Cl. 106—36.2)

1. In a method of producing a metallic article having thereon a coating of clouded vitreous enamel having an opacity substantially greater than that which could be produced with the frit used and clay alone, and in which a substantial part of the increased opacity is contributed by gas bubbles retained in the enamel, incorporating in the enamel slip containing clay, a gas-evolving agent which, upon the firing of the enamel, evolves gases which are retained in the enamel at the firing temperature thereof in the form of bubbles of such sizes and number as to contribute a substantial increase to the opacity, together with a glossing agent for the enamel, selected from the group consisting of hydrochloric acid, ammonium chloride and compounds capable of yielding hydrochloric acid.

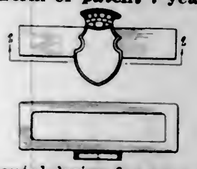
DESIGNS
DECEMBER 21, 1937

107,496
DESIGN FOR A COMBINED CHIMNEY AND LAMP SHADE
Sylvester A. Baker, San Francisco, Calif.
Application June 1, 1937, Serial No. 69,649
Term of patent 7 years



The ornamental design for a combined chimney and lamp shade substantially as shown and described.

107,497
DESIGN FOR A MONOGRAM NAPKIN RING
Pauline Brady, Newark, N. J.
Application October 16, 1936, Serial No. 65,320
Term of patent 7 years



The ornamental design for a monogram napkin ring, as shown and described.

107,498
DESIGN FOR A PENCIL TIP
William Cook, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 72,211
Term of patent 7 years



The ornamental design for a pencil tip, substantially as shown.

107,499
DESIGN FOR A PENCIL TIP
William Cook, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 72,212
Term of patent 14 years



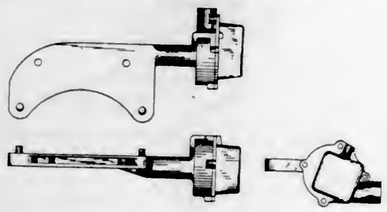
The ornamental design for a pencil tip, substantially as shown.

107,500
DESIGN FOR A PENCIL TIP
William Cook, New York, N. Y., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application October 15, 1937, Serial No. 72,213
Term of patent 14 years



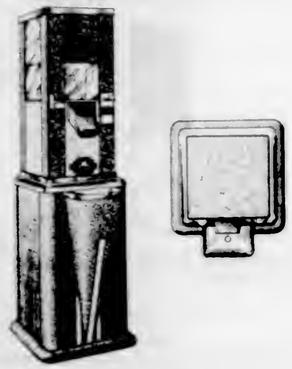
The ornamental design for a pencil tip, substantially as shown.

107,501
DESIGN FOR A TOILET ODOR EXPELLER CASING
Gaspé H. Davis, Van Nuys, Calif.
Application September 15, 1937, Serial No. 71,639
Term of patent 3½ years



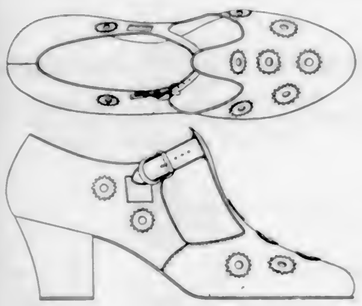
The ornamental design for a toilet odor expeller casing substantially as shown.

107,502
DESIGN FOR A CORN POPPING MACHINE CASE
George A. Delf, St. Louis, Mo., assignor, by mesne assignments, to Floyd I. Roach, Kansas City, Mo.
Application October 25, 1937, Serial No. 72,406
Term of patent 3½ years



The ornamental design for a corn popping machine case as shown.

107,503
DESIGN FOR A SHOE
Walter Ebling, Rochester, N. Y., assignor to E. P. Reed & Co., Rochester, N. Y., a corporation of New York
Application October 29, 1937, Serial No. 72,519
Term of patent 3½ years



The ornamental design for a shoe, as shown.

107,504
DESIGN FOR A BOWL
Louis Farber, Yonkers, N. Y.
Application April 30, 1937, Serial No. 69,082
Term of patent 3½ years



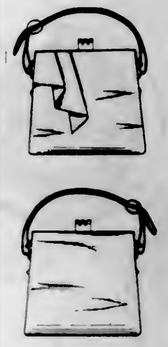
The ornamental design for a bowl, substantially as shown.

107,505
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 16, 1937, Serial No. 72,918
Term of patent 3½ years



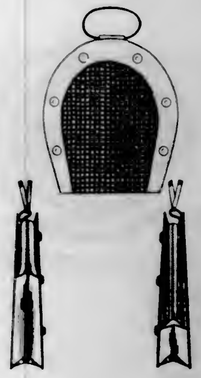
The ornamental design for a handbag, substantially as shown and described.

107,506
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 18, 1937, Serial No. 72,976
Term of patent 3½ years



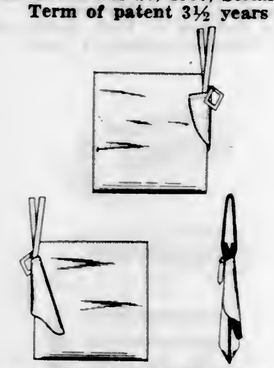
The ornamental design for a handbag, substantially as shown and described.

107,507
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 18, 1937, Serial No. 72,977
Term of patent 3½ years



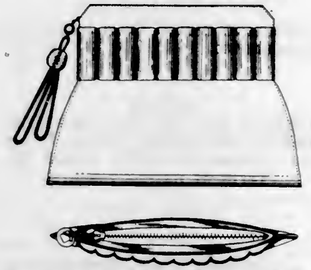
The ornamental design for a handbag, substantially as shown and described.

107,508
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 20, 1937, Serial No. 73,039
Term of patent 3½ years



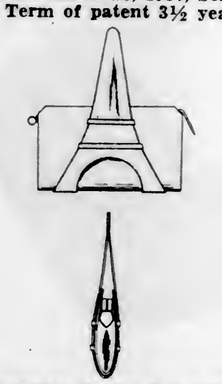
The ornamental design for a handbag, substantially as shown.

107,509
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 20, 1937, Serial No. 73,040
Term of patent 3½ years



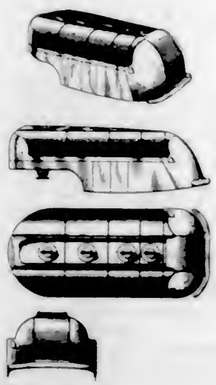
The ornamental design for a handbag, substantially as shown and described.

107,510
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 20, 1937, Serial No. 73,042
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

107,511
DESIGN FOR A TRAILER TANK
Ralph D. George, Kansas City, Mo., assignor to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 9, 1937, Serial No. 72,092
Term of patent 14 years



The ornamental design for a trailer tank substantially as shown.

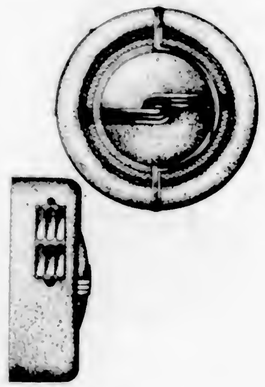
107,512
DESIGN FOR AN AUTOMOBILE
Delbert W. Graber, Salem, Oreg.
Application August 28, 1937, Serial No. 71,376
Term of patent 7 years





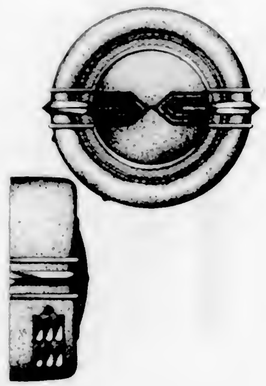
The ornamental design for an automobile as shown.

107,513
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
George R. Graff, Toledo, Ohio, assignor of one-half to John E. Goerlich, Toledo, Ohio, and one-half to The Defiance Pressed Steel Company, Marion, Ohio, a corporation of Ohio
Application November 3, 1937, Serial No. 72,598
Term of patent 7 years



The ornamental design for an automobile heater or the like, substantially as shown.

107,514
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
George R. Graff, Toledo, Ohio, assignor of one-half to John E. Goerlich, Toledo, Ohio, and one-half to The Defiance Pressed Steel Company, Marion, Ohio, a corporation of Ohio
Application November 3, 1937, Serial No. 72,599
Term of patent 7 years



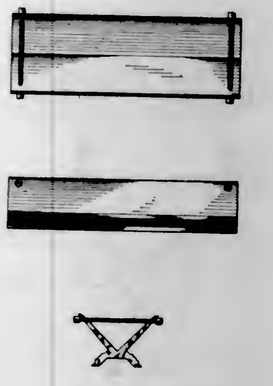
The ornamental design for an automobile heater or the like, substantially as shown.

107,515
DESIGN FOR A WHEEL FOR A ROLLER SKATE OR THE LIKE
Edward A. Grange, Alexander F. Kaptuller, and Erwin J. Schmidt, Chicago, Ill., assignors to Allied Engineering Company, Chicago, Ill., a corporation of Illinois
Application May 26, 1937, Serial No. 69,564
Term of patent 14 years



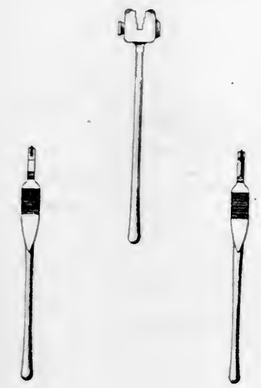
The ornamental design for a wheel for a roller skate or the like substantially as shown.

107,516
DESIGN FOR A FOOD SERVER OR SIMILAR ARTICLE
Lurelle Guild, Noroton, Conn., assignor to Kensington, Incorporated, New Kensington, Pa., a corporation of Pennsylvania
Application January 16, 1937, Serial No. 67,098
Term of patent 3½ years



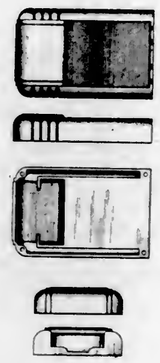
The ornamental design for a food server or similar article, as shown.

107,517
DESIGN FOR A GLASS CUTTING TOOL
Homer G. Hamilton, Des Moines, Iowa
Application March 29, 1937, Serial No. 68,470
Term of patent 14 years



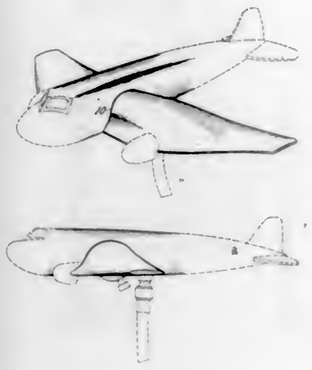
The ornamental design for a glass cutting tool substantially as shown.

107,518
DESIGN FOR A DESK MEMORANDUM SHEET HOLDER
Oscar F. Holmgren, White Plains, N. Y., and William B. Petzold, Providence, R. I., assignors to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1937, Serial No. 71,772
Term of patent 14 years



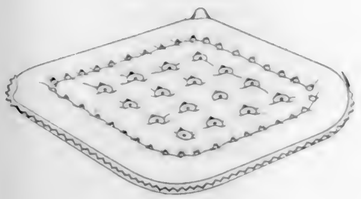
The ornamental design for a desk memorandum sheet holder substantially as shown.

107,519
DESIGN FOR A LAMP
Frank F. Holstein, Chicago, Ill.
Application June 4, 1937, Serial No. 69,671
Term of patent 3½ years



The ornamental design for a lamp; substantially as shown and described.

107,520
DESIGN FOR A CUSHION
John Herbert Johnson, Toronto, Ontario, Canada, assignor to K & W Rubber Corporation, Delaware, Ohio
Application August 16, 1937, Serial No. 71,104
Term of patent 14 years



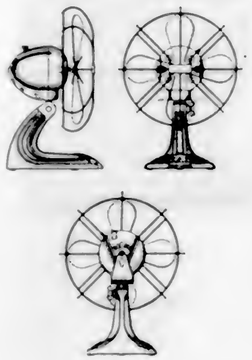
The ornamental design for a cushion, as shown and described.

107,521
DESIGN FOR A PENCIL
Richard Kropsch, Budweis, Czechoslovakia, assignor to Koh-I-Noor Bleistiftfabrik L. & C. Hardtmuth, Budweis, Czechoslovakia, a Firm, composed of Frantisek Hardtmuth mladsi, Jan Herring-Frankensdorf, Dr. Bedrich Herring-Frankensdorf, Matylda Lamezan-Salins, Anna Hardtmuthova starsi, Anna Hardtmuthova mladsi, and Marie princezna de Rohen
Application April 28, 1937, Serial No. 69,015
In Czechoslovakia December 9, 1936
Term of patent 7 years



The ornamental design for a pencil, as shown and described.

107,522
DESIGN FOR AN ELECTRIC FAN
Ralph E. Kruck, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application August 28, 1937, Serial No. 71,366
Term of patent 7 years



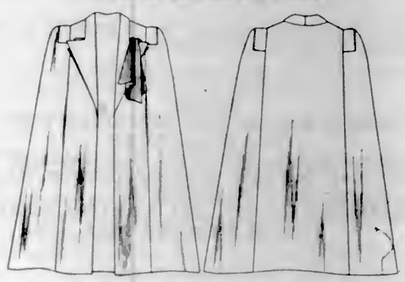
The ornamental design for an electric fan substantially as shown and described.

107,523
DESIGN FOR A CHARM OR THE LIKE
Walter Lampl, New York, N. Y.
Application October 23, 1937, Serial No. 72,393
Term of patent 14 years



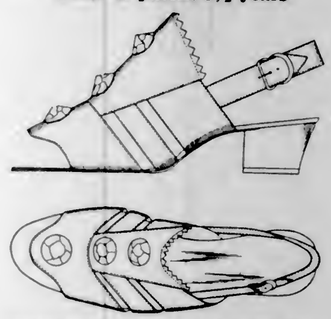
The ornamental design for a charm or the like, as shown.

107,524
DESIGN FOR A CAPE
Benjamin Lefrak, New York, N. Y.
Application November 4, 1937, Serial No. 72,610
Term of patent 3½ years



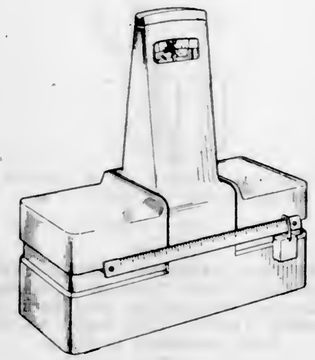
The ornamental design for a cape, substantially as shown, and described.

107,525
DESIGN FOR A SHOE
Jacob Levine, New York, N. Y.
Application November 20, 1937, Serial No. 73,046
Term of patent 3½ years



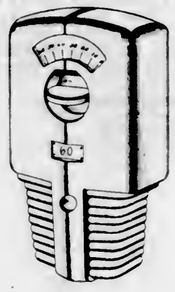
The ornamental design for a shoe, substantially as shown.

107,526
DESIGN FOR A SCALE CASING
John McLeod Little and Harold L. van Doren, Toledo, Ohio, assignors to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application November 12, 1937, Serial No. 72,825
Term of patent 14 years



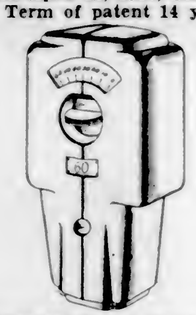
The ornamental design for a scale casing as shown.

107,527
DESIGN FOR A PARKING METER HOUSING
Raymond Loewy, New York, N. Y., assignor to The Karpark Corporation, New York, N. Y.
Application April 12, 1937, Serial No. 68,703
Term of patent 14 years



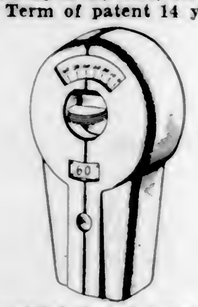
The ornamental design for a parking meter housing, as shown and described.

107,528
DESIGN FOR A PARKING METER HOUSING
Raymond Loewy, New York, N. Y., assignor to The Karpark Corporation, New York, N. Y.
Application April 12, 1937, Serial No. 68,704
Term of patent 14 years



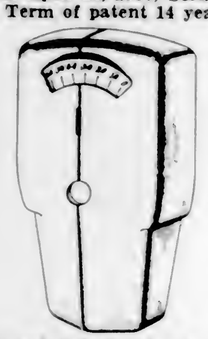
The ornamental design for a parking meter housing, as shown and described.

107,529
DESIGN FOR A PARKING METER HOUSING
Raymond Loewy, New York, N. Y., assignor to The Karpark Corporation, New York, N. Y.
Application April 12, 1937, Serial No. 68,705
Term of patent 14 years



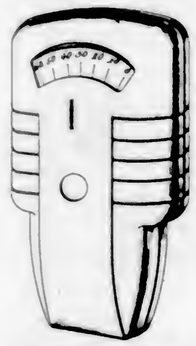
The ornamental design for a parking meter housing, as shown and described.

107,530
DESIGN FOR A PARKING METER HOUSING
Raymond Loewy, New York, N. Y., assignor to The Karpark Corporation, New York, N. Y.
Application April 12, 1937, Serial No. 68,707
Term of patent 14 years



The ornamental design for a parking meter housing, as shown and described.

107,531
DESIGN FOR A PARKING METER HOUSING
Raymond Loewy, New York, N. Y., assignor to The Karpark Corporation, New York, N. Y.
Application April 12, 1937, Serial No. 68,708
Term of patent 14 years



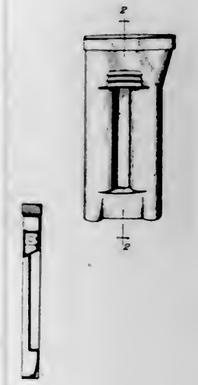
The ornamental design for a parking meter housing, as shown and described.

107,532
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Raymond Loewy, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 26, 1937, Serial No. 69,551
Term of patent 3½ years



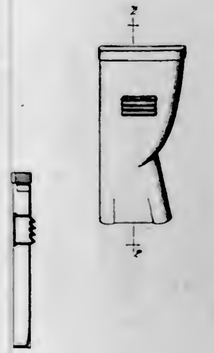
The ornamental design for an end standard for theater chairs substantially as shown.

107,533
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Raymond Loewy, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 26, 1937, Serial No. 69,552
Term of patent 3½ years



The ornamental design for an end standard for theater chairs substantially as shown.

107,534
DESIGN FOR AN END STANDARD FOR THEATER CHAIRS
Raymond Loewy, New York, N. Y., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application May 26, 1937, Serial No. 69,553
Term of patent 3½ years



The ornamental design for an end standard for theater chairs substantially as shown.

107,535
DESIGN FOR A MOUTHPIPE KEY FOR A SAXOPHONE
Hugh W. Loney, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application September 27, 1937, Serial No. 71,805
Term of patent 14 years



The ornamental design for a mouthpipe key for a saxophone, as shown.

107,536
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo.
Application November 19, 1937, Serial No. 73,021
Term of patent 3½ years



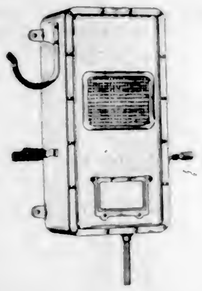
The ornamental design for a shoe substantially as shown.

107,537
DESIGN FOR A SHOE
Edwin W. McCain, St. Louis, Mo.
Application November 19, 1937, Serial No. 73,022
Term of patent 3½ years



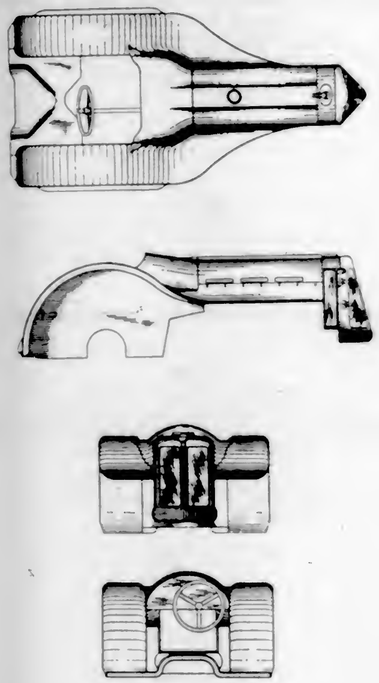
The ornamental design for a shoe substantially as shown.

107,538
DESIGN FOR A TELEPHONE CASING
Thomas McCann, Brooklyn, N. Y.
Application May 29, 1936, Serial No. 62,897
Term of patent 14 years



The ornamental design for a telephone casing, as shown and described.

107,539
DESIGN FOR A TRACTOR BODY
Elmer McCormick, Waterloo, Iowa, assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 29, 1937, Serial No. 70,728
Term of patent 14 years



The ornamental design for a tractor body, as shown.

107,540
DESIGN FOR A MILK PAIL
Thomas D. McHale, Los Angeles, Calif.
Application September 7, 1937, Serial No. 71,494
Term of patent 14 years



The ornamental design for a milk pail, as shown.

107,541
DESIGN FOR A BOTTLE
James E. Moore, Los Angeles, Calif., assignor to Maywood Glass Co., Los Angeles, Calif., a corporation
Application September 28, 1937, Serial No. 71,844
Term of patent 7 years



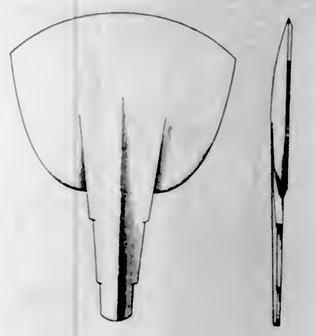
The ornamental design for a bottle, as shown.

107,542
DESIGN FOR A BOTTLE
James E. Moore and Benjamin H. Koons, Los Angeles, Calif., assignors to Maywood Glass Co., Los Angeles, Calif., a corporation
Application September 28, 1937, Serial No. 71,845
Term of patent 7 years



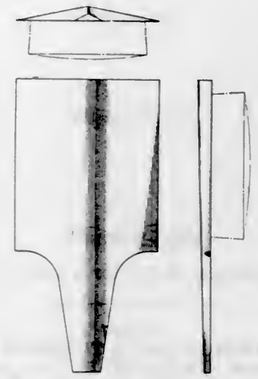
The ornamental design for a bottle, as shown.

107,543
DESIGN FOR A MIRROR OR SIMILAR ARTICLE
Peter Muller-Munk, Pittsburgh, Pa., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application October 22, 1937, Serial No. 72,374
Term of patent 7 years



The ornamental design for a mirror or similar article, as shown.

107,544
DESIGN FOR A BRUSH OR SIMILAR ARTICLE
Peter Muller-Munk, Pittsburgh, Pa., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois
Application October 22, 1937, Serial No 72,375
Term of patent 7 years



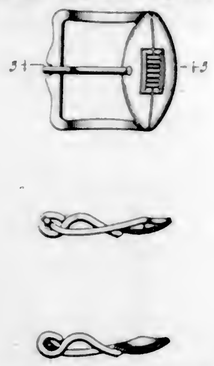
The ornamental design for a brush or similar article, as shown and described.

107,545
DESIGN FOR A CHAIR
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application October 21, 1937, Serial No. 72,356
Term of patent 7 years



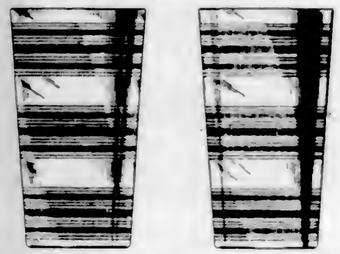
The ornamental design for a chair, substantially as shown.

107,546
DESIGN FOR A BUCKLE
Edgar V. Penn, Madison, N. C.
Application October 18, 1937, Serial No. 72,295
Term of patent 7 years



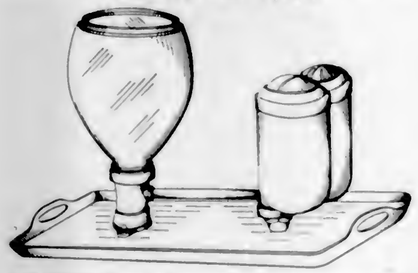
The ornamental design for a buckle, as shown.

107,547
DESIGN FOR A TUMBLER
Ralph Peters, Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application October 20, 1937, Serial No. 72,339
Term of patent 7 years



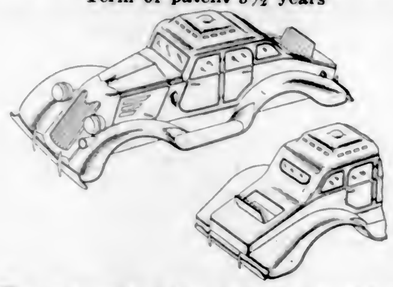
The ornamental design for a tumbler, as shown and described.

107,548
DESIGN FOR A HUMIDIFIER
Elmer A. Reid, Morrisville, Pa.
Application March 16, 1937, Serial No. 68,202
Term of patent 7 years



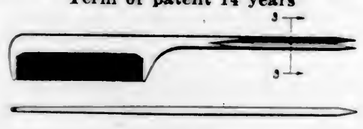
The ornamental design for a humidifier substantially as shown and described.

107,549
DESIGN FOR AN AUTOMOBILE BODY
Robert Rogers, Detroit, Mich.
Application October 7, 1936, Serial No. 65,191
Term of patent 3½ years



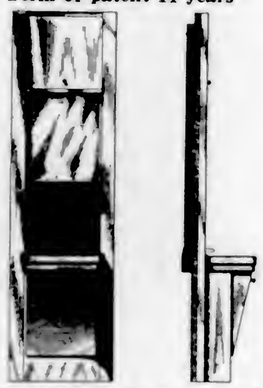
The ornamental design for an automobile body as shown and described.

107,550
DESIGN FOR A CURLING COMB
Elsa C. Ruckdeschel, New York, and William N. Brady, Piermont, N. Y., assignors to American Hard Rubber Company, New York, N. Y., a corporation of New York
Application June 11, 1937, Serial No. 69,792
Term of patent 14 years



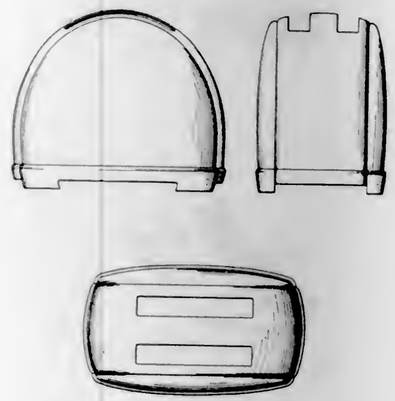
The ornamental design for a curling comb as shown and described.

107,551
DESIGN FOR A COMBINED LAVATORY AND CABINET
George Sakier, New York, N. Y., assignor to The Accessories Company, Inc., New York, N. Y., a corporation of Delaware
Application November 13, 1936, Serial No. 65,884
Term of patent 14 years



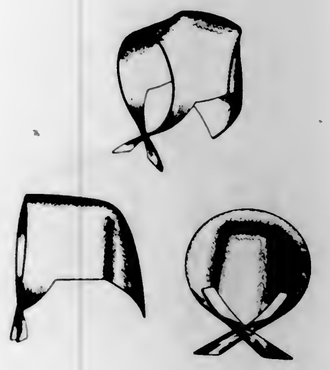
The ornamental design for a combined lavatory and cabinet, as shown.

107,552
DESIGN FOR A TOASTER
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application September 27, 1937, Serial No. 71,806
Term of patent 7 years



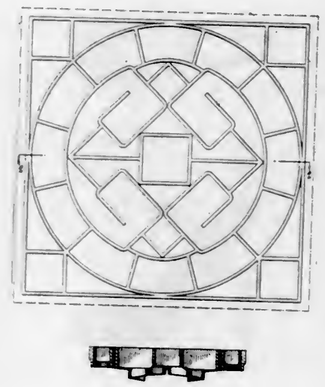
The ornamental design for a toaster, substantially as shown.

107,553
DESIGN FOR A HAT
Elizabeth Schoen, New York, N. Y., assignor to Debway Hats, Inc., New York, N. Y.
Application November 1, 1937, Serial No. 72,568
Term of patent 7 years



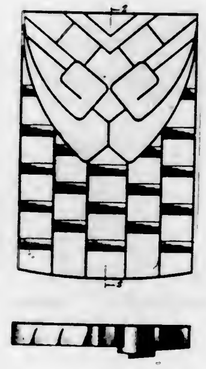
The ornamental design for a hat, as shown.

107,554
DESIGN FOR A BAFFLE ELEMENT FOR LIGHTING FIXTURES
Edward F. Sibbert, Brooklyn, N. Y., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York
Application July 1, 1937, Serial No. 70,203
Term of patent 14 years



The ornamental design for a baffle element for lighting fixtures, substantially as shown and described.

107,555
DESIGN FOR A BAFFLE ELEMENT FOR LIGHTING FIXTURES
Edward F. Sibbert, Brooklyn, N. Y., assignor to S. H. Kress and Company, New York, N. Y., a corporation of New York
Application July 1, 1937, Serial No. 70,204
Term of patent 14 years



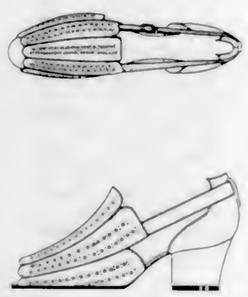
The ornamental design for a baffle element for lighting fixtures, substantially as shown and described.

107,556
DESIGN FOR A SHOE
Harry Sobel, New York, N. Y.
Application November 13, 1937, Serial No. 72,841
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

107,557
DESIGN FOR A SHOE
Harry Sobel, New York, N. Y.
Application November 13, 1937, Serial No. 72,842
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

107,558
DESIGN FOR A SHOE
Harry Sobel, New York, N. Y.
Application November 13, 1937, Serial No. 72,843
Term of patent 3½ years



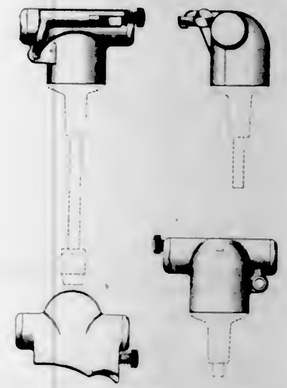
The ornamental design for a shoe, substantially as shown.

107,559
DESIGN FOR AN ELECTRIC CONTROLLING DEVICE
Clifford Brooks Stevens, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 22, 1937, Serial No. 72,369
Term of patent 14 years



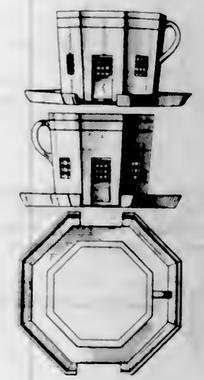
The ornamental design for an electric controlling device, substantially as shown.

107,560
DESIGN FOR A POWER-DRIVEN HAND TOOL UNIT
Donald D. Taylor, Duncannon, Pa.
Application March 31, 1937, Serial No. 68,502
Term of patent 14 years



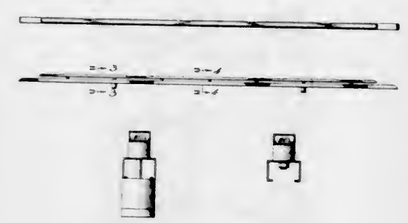
The ornamental design for a power-driven hand tool unit, as shown and described.

107,561
DESIGN FOR A BUILDING
Daniel G. Terrie, Rockville Centre, N. Y.
Application October 12, 1937, Serial No. 72,135
Term of patent 14 years



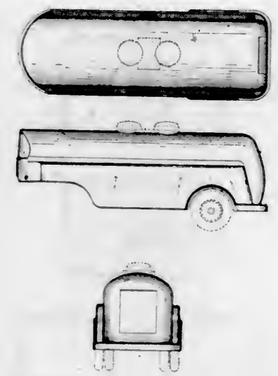
The ornamental design for a building, as shown.

107,562
DESIGN FOR AN AUTOMOBILE HOOD ANTENNA
Van E. Thompson, Dearborn, Mich.
Application September 18, 1937, Serial No. 71,682
Term of patent 7 years



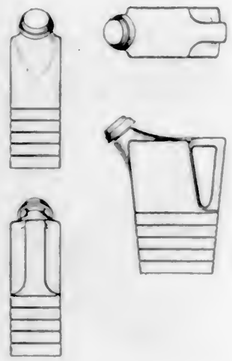
The ornamental design for an automobile hood antenna substantially as shown.

107,563
DESIGN FOR A VEHICULAR TANK
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 30, 1937, Serial No. 71,386
Term of patent 14 years



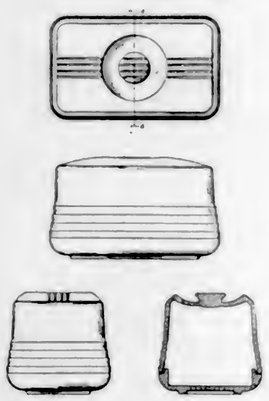
The ornamental design for a vehicular tank, substantially as shown and described.

107,564
DESIGN FOR A PITCHER OR SIMILAR ARTICLE
Walter Karl Titze, San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio, a corporation of Ohio
Application October 29, 1937, Serial No. 72,517
Term of patent 14 years



The ornamental design for a pitcher or similar article as shown.

107,565
DESIGN FOR A COMBINED REFRIGERATOR DISH AND COVER OR SIMILAR ARTICLE
Walter Karl Titze, San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio, a corporation of Ohio
Application October 29, 1937, Serial No. 72,518
Term of patent 14 years



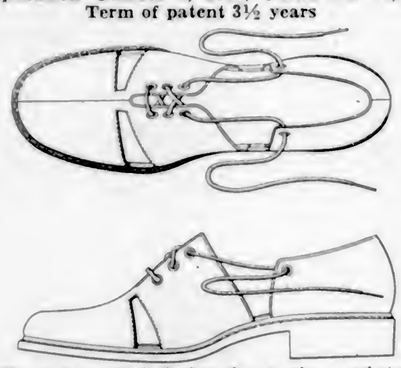
The ornamental design for a combined refrigerator dish and cover or similar article as shown.

107,566
DESIGN FOR AN ATOMIZER
Frederic A. Vuillemenot, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application November 15, 1937, Serial No. 72,871
Term of patent 7 years



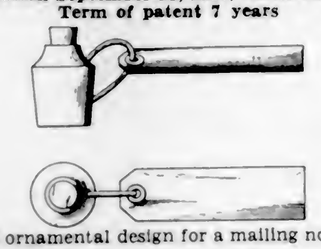
The ornamental design for an atomizer, substantially as shown and described.

107,567
DESIGN FOR A SHOE
Burton L. Wales, Abington, Mass., assignor to The Stetson Shoe Company, Inc., Weymouth, Mass., a corporation of Massachusetts
Application October 7, 1937, Serial No. 72,036
Term of patent 3½ years



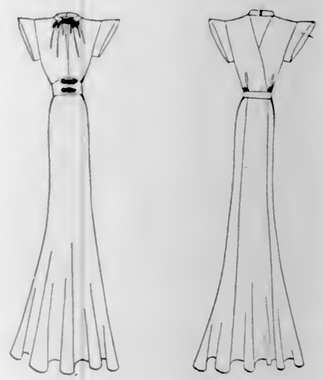
The ornamental design for a shoe, substantially as shown.

107,568
DESIGN FOR A MAILING NOVELTY
Chester E. Walker, Branson, Mo.
Application September 13, 1937, Serial No. 71,578
Term of patent 7 years



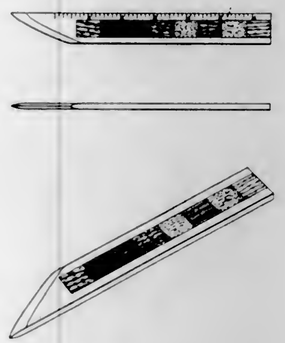
The ornamental design for a mailing novelty as shown.

107,569
DESIGN FOR A DRESS
Irene Welch, New York, N. Y.
Application October 19, 1937, Serial No. 72,301
Term of patent 3½ years



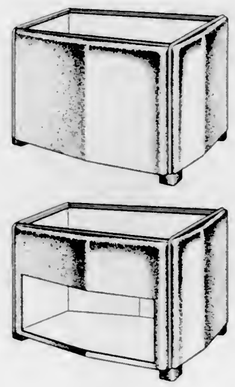
The ornamental design for a dress, substantially as shown and described.

107,570
DESIGN FOR A COMBINED EDUCATIONAL LETTER OPENER AND RULER
Reinhold V. Erk, Waynesville, N. C.
Application November 17, 1936, Serial No. 65,985
Term of patent 7 years



The ornamental design for a combined educational letter opener and ruler, as shown and described.

107,571
DESIGN FOR A REFRIGERATOR CABINET BODY
Chester A. Frick, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana
Application July 6, 1937, Serial No. 70,268
Term of patent 7 years



The ornamental design for a refrigerator cabinet body, as shown.

107,572
DESIGN FOR A SLIP
Sol B. Hochman, New York, N. Y.
Application November 27, 1937, Serial No. 73,210
Term of patent 3½ years



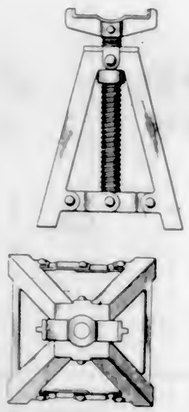
The ornamental design for a slip substantially as shown.

107,573
DESIGN FOR A SLIP
Sol B. Hochman, New York, N. Y.
Application November 27, 1937, Serial No. 73,212
Term of patent 3½ years



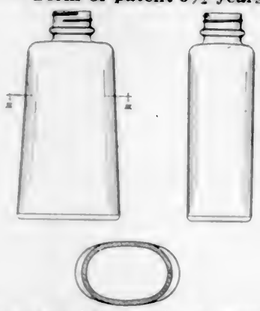
The ornamental design for a slip substantially as shown.

107,574
DESIGN FOR AN AXLE STAND
Alvin L. Johnson, Ottawa Hills, Ohio, assignor to The Logan Gear Company, Toledo, Ohio, a corporation of Ohio
Application May 6, 1937, Serial No. 69,206
Term of patent 7 years



The ornamental design for an axle stand as shown.

107,575
DESIGN FOR A GLASS BOTTLE
Lawrence J. Kihn, Pittsburgh, Pa., assignor to J. T. & A. Hamilton Company, a corporation of Pennsylvania
Application September 17, 1937, Serial No. 71,657
Term of patent 3½ years



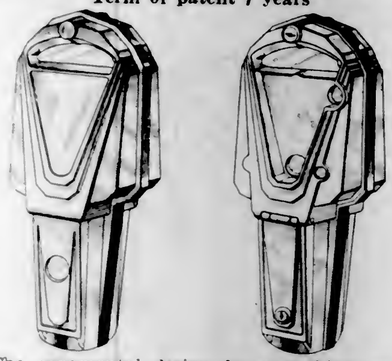
The ornamental design for a glass bottle substantially as shown.

107,576
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Nelson A. Long, Duluth, Minn.
Application February 1, 1936, Serial No. 60,952
Term of patent 14 years



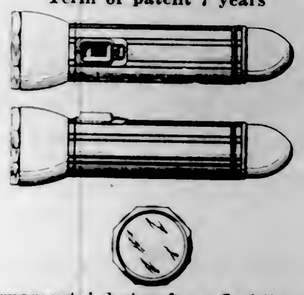
The ornamental design for a statuette or similar article as shown.

107,577
DESIGN FOR A PARKING METER HOUSING
John B. McGay and George E. Nicholson, Tulsa, Okla., assignors to Dual Parking Meter Company, Oklahoma City, Okla., a corporation of Delaware
Application December 14, 1936, Serial No. 66,522
Term of patent 7 years



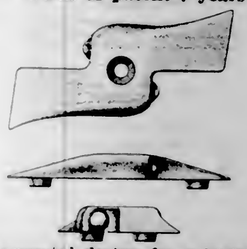
The ornamental design for a parking meter housing, as shown.

107,578
DESIGN FOR A FLASHLIGHT CASING
Howard M. Price, Toledo, Ohio, assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application March 26, 1937, Serial No. 68,410
Term of patent 7 years



The ornamental design for a flashlight casing, substantially as shown and described.

107,579
DESIGN FOR A HIGHWAY MARKER
Fred T. Ranney, Kansas City, Mo.
Application October 14, 1937, Serial No. 72,167
Term of patent 7 years



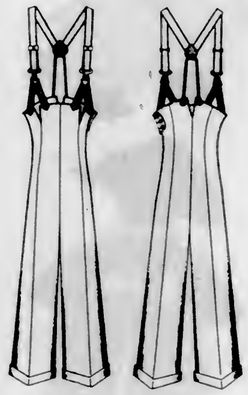
The ornamental design for a highway marker as shown.

107,580
DESIGN FOR A BOTTLE
Julian Shoor, Hartford, Conn., assignor to General Distilleries Corporation, Hartford, Conn.
Application October 28, 1937, Serial No. 72,476
Term of patent 7 years



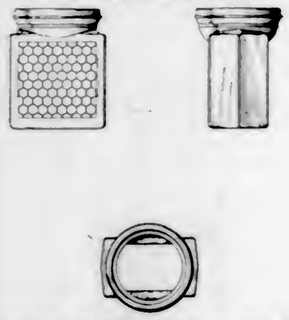
The ornamental design for a bottle as shown, and described.

107,581
DESIGN FOR COMBINATION SLACKS AND SUSPENDERS
Mortimer Solomon, New York, N. Y.
Application November 10, 1937, Serial No. 72,748
Term of patent 3½ years



The ornamental design for combination slacks and suspenders substantially as shown.

107,582
DESIGN FOR A JAR OR SIMILAR CONTAINER
Walter F. Straub, Chicago, Ill., assignor to W. F. Straub & Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1937, Serial No. 68,971
Term of patent 14 years



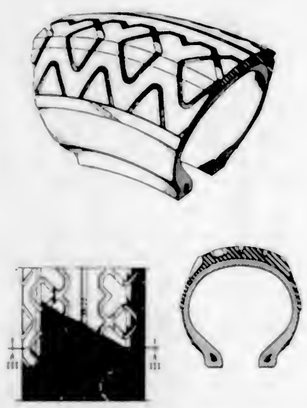
The ornamental design for a jar or similar container substantially as shown and described.

107,583
DESIGN FOR A TOY DOLL
Jacob Swedlin, Brooklyn, N. Y., assignor to J. Swedlin, Inc., New York, N. Y., a corporation of New York
Application April 29, 1937, Serial No. 69,040
Term of patent 7 years



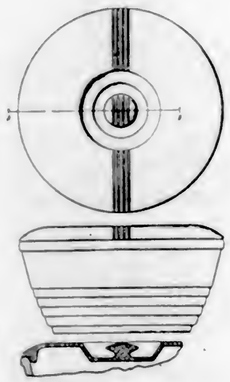
The ornamental design for a toy doll, as shown.

107,584
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe Park, Mich., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application August 24, 1937, Serial No. 71,299
Term of patent 7 years



The ornamental design for a pneumatic tire, as shown.

107,585
DESIGN FOR A COMBINED BOWL AND COVER OR SIMILAR ARTICLE
Walter Karl Titze, San Francisco, Calif., assignor to Universal Potteries, Inc., Cambridge, Ohio, a corporation of Ohio
Application October 29, 1937, Serial No. 72,516
Term of patent 14 years



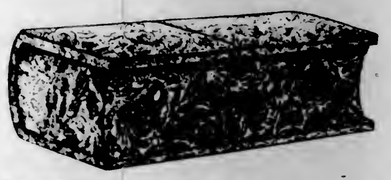
The ornamental design for a combined bowl and cover or similar article, as shown.

107,586
DESIGN FOR A BOTTLE
Julian H. Toulouse, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application May 17, 1937, Serial No. 69,386
Term of patent 14 years



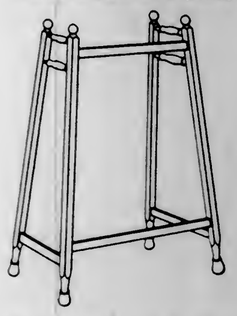
The ornamental design for a bottle substantially as shown.

107,587
DESIGN FOR A BURIAL CASKET
Ramoń J. Treviño, Albuquerque, N. Mex.
Application October 21, 1937, Serial No. 72,352
Term of patent 7 years



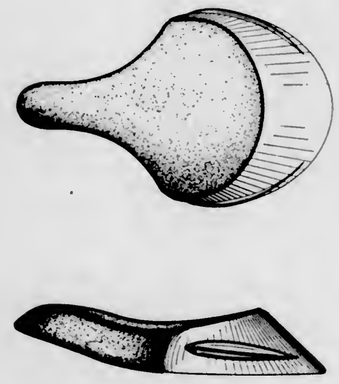
The ornamental design for a burial casket, as shown and described.

107,588
DESIGN FOR A WALKING SUPPORT FOR INVALIDS
Karl R. Vaught, Indianapolis, Ind.
Application October 15, 1937, Serial No. 72,205
Term of patent 7 years



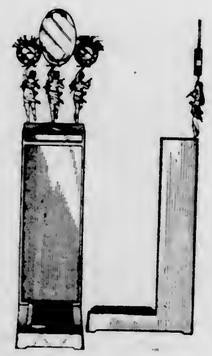
The ornamental design for a walking support for invalids, as shown.

107,589
DESIGN FOR A SADDLE
Charles R. Waldron, Norwalk, Ohio, and Roland W. Faulhaber, Alma, Mich.
Application April 7, 1937, Serial No. 68,607
Term of patent 7 years



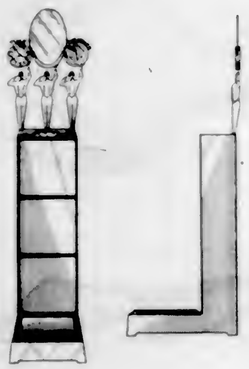
The ornamental design for a saddle, substantially as shown and described.

107,590
DESIGN FOR A THEATER LOBBY ADVERTISING DEVICE
Arthur A. Young and Arthur R. Telser, Chicago, Ill.
Application February 13, 1937, Serial No. 67,655
Term of patent 14 years



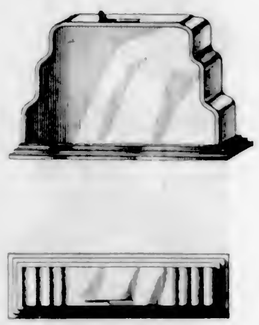
The ornamental design for a theater lobby advertising device as shown.

107,591
DESIGN FOR A THEATER LOBBY ADVERTISING DEVICE
Arthur A. Young and Arthur R. Telser, Chicago, Ill.
Application April 12, 1937, Serial No. 68,702
Term of patent 14 years



The ornamental design for a theater lobby advertising device as shown.

107,592
DESIGN FOR A COIN BANK
David H. Zell, Brooklyn, N. Y.
Application April 21, 1937, Serial No. 68,910
Term of patent 14 years



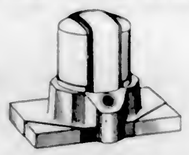
The ornamental design for a coin bank, as shown.

107,593
DESIGN FOR A TEXTILE FABRIC
John W. H. Brooks, Philadelphia, Pa.
Application November 24, 1937, Serial No. 73,163
Term of patent 3½ years



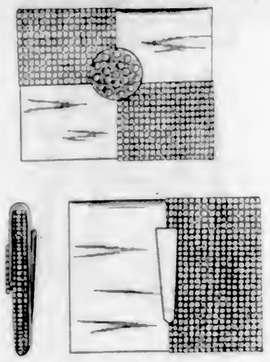
The ornamental design for a textile fabric, substantially as shown.

107,594
DESIGN FOR A COMBINATION DESK UNIT
Robert H. Cromwell, Los Angeles, Calif.
Application September 4, 1937, Serial No. 71,481
Term of patent 14 years



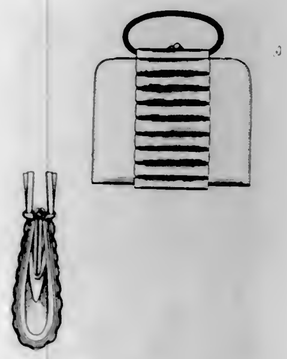
The ornamental design for a combination desk unit, substantially as shown and described.

107,595
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 30, 1937, Serial No. 73,261
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

107,596
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 30, 1937, Serial No. 73,262
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

107,597
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y.
Application November 20, 1937, Serial No. 73,043
Term of patent 3½ years



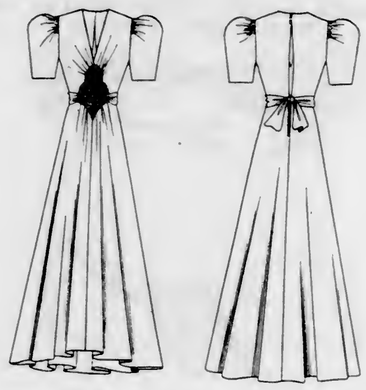
The ornamental design for a textile fabric, substantially as shown and described.

107,598
DESIGN FOR A DISH OR SIMILAR ARTICLE
William H. Gerth, New York, N. Y., and Albert Krautheim, Selb, Germany, assignors to Oneida, Limited, Oneida, N. Y., a corporation of New York
Application October 9, 1937, Serial No. 72,101
Term of patent 14 years



The ornamental design for a dish or similar article as shown and described.

107,599
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application November 8, 1937, Serial No. 72,683
Term of patent 3½ years



The ornamental design for a dress, substantially as shown, and described.

107,600
DESIGN FOR A SWEATER
Sol Kurtz, New York, N. Y.
Application August 7, 1937, Serial No. 70,905
Term of patent 3½ years



The ornamental design for a sweater substantially as shown.

107,601
DESIGN FOR A COAT
Henry Miller, New York, N. Y.
Application November 22, 1937, Serial No. 73,082
Term of patent 3½ years



The ornamental design for a coat substantially as shown.

107,602
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Murray Planco, New York, N. Y.
Application September 13, 1937, Serial No. 71,592
Term of patent 3½ years



The ornamental design for a shoe or similar article substantially as shown and described.

107,603
DESIGN FOR A TEXTILE FABRIC
Walter Ross, New York, N. Y.
Application November 30, 1937, Serial No. 73,276
Term of patent 3½ years



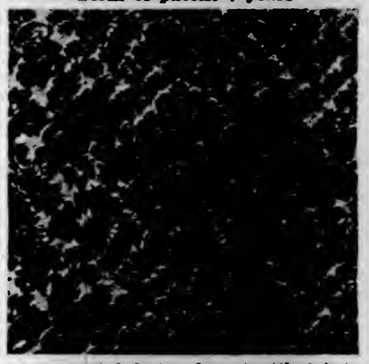
The ornamental design for a textile fabric substantially as shown and described.

107,604
DESIGN FOR A TEXTILE FABRIC
John W. Snowden, Philadelphia, Pa.
Application November 23, 1937, Serial No. 73,128
Term of patent 3½ years



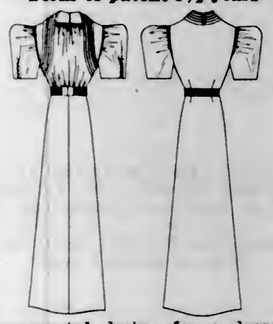
The ornamental design for a textile fabric, substantially as shown.

107,605
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application November 24, 1937, Serial No. 73,168
Term of patent 7 years



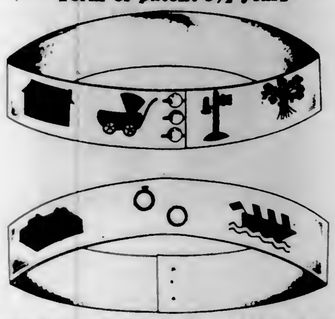
The ornamental design for a textile fabric, substantially as shown.

107,606
DESIGN FOR A DRESS
Augusta Waxberg, New York, N. Y.
Application November 10, 1937, Serial No. 72,754
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,607
DESIGN FOR A BELT
Albert I. Beldoch, New York, N. Y.
Application November 19, 1937, Serial No. 73,018
Term of patent 3½ years



The ornamental design for a belt substantially as shown.

107,608
DESIGN FOR A TEXTILE FABRIC
John W. H. Brooks, Philadelphia, Pa.
Application November 23, 1937, Serial No. 73,127
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

107,609
DESIGN FOR A DRESS
Sally Cicardo, New York, N. Y.
Application November 18, 1937, Serial No. 72,973
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,610
DESIGN FOR A DRESS ENSEMBLE
Carl Colcord, New York, N. Y.
Application October 29, 1937, Serial No. 72,493
Term of patent 3½ years



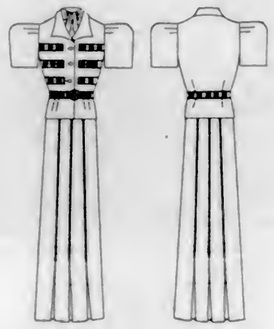
The ornamental design for a dress ensemble substantially as shown and described.

107,611
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 16, 1937, Serial No. 72,907
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,612
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 16, 1937, Serial No. 72,908
Term of patent 3½ years



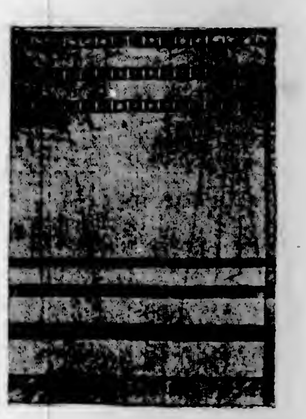
The ornamental design for a dress substantially as shown.

107,613
DESIGN FOR A KNITTED VEST
Nathan Cooper, Brooklyn, N. Y., assignor of one-half to Ladislaus Robaczynski, Brooklyn, N. Y.
Application June 22, 1937, Serial No. 69,978
Term of patent 7 years



The ornamental design for a knitted vest as shown and described.

107,614
DESIGN FOR A CURTAIN
Gustave F. Erhard, Scranton, Pa., assignor to The Scranton Lace Company, Scranton, Pa., a corporation of Pennsylvania
Application October 15, 1937, Serial No. 72,185
Term of patent 3½ years



The ornamental design for a curtain substantially as shown and described.

107,615
DESIGN FOR A TEXTILE FABRIC
Morris Forman, New York, N. Y.
Application November 22, 1937, Serial No. 73,086
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,616
DESIGN FOR A TEXTILE FABRIC
Robert S. Gentile, New York, N. Y.
Application November 20, 1937, Serial No. 73,044
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

107,617
DESIGN FOR A TEXTILE FABRIC
Edward P. Hullings, Mount Holly, N. J.
Application November 24, 1937, Serial No. 73,165
Term of patent 3½ years



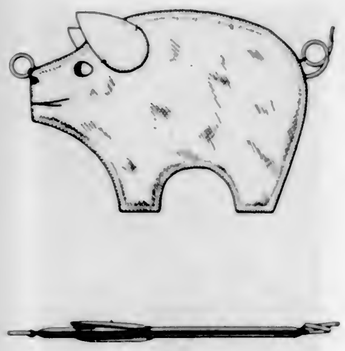
The ornamental design for a textile fabric, substantially as shown.

107,618
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application November 11, 1937, Serial No. 72,804
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,619
DESIGN FOR A POT HOLDER OR THE LIKE
May Marshall Sieverling, Burdett, Kans.
Application July 20, 1937, Serial No. 70,543
Term of patent 3½ years



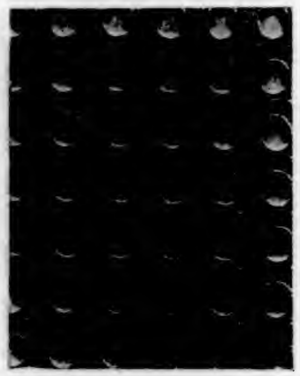
The ornamental design for a pot holder or the like as shown.

107,620
DESIGN FOR A DRESS
Marie Eileen Smith, New York, N. Y.
Application November 10, 1937, Serial No. 72,742
Term of patent 3½ years



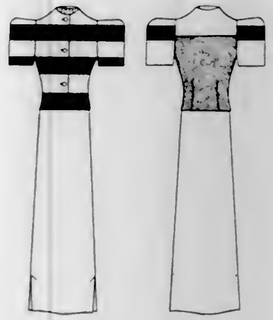
The ornamental design for a dress, substantially as shown, and described.

107,621
DESIGN FOR AN EMBROIDERED FABRIC
Irving Stiglitz, New York, N. Y.
Application November 17, 1937, Serial No. 72,945
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

107,622
DESIGN FOR A DRESS
Victor Tomshinsky, New York, N. Y.
Application November 16, 1937, Serial No. 72,910
Term of patent 3½ years



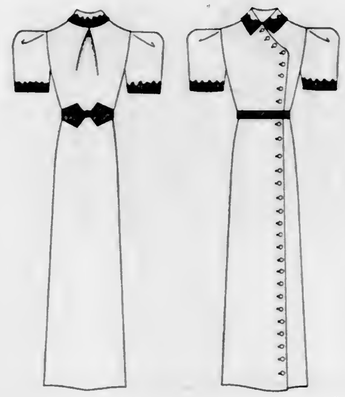
The ornamental design for a dress, substantially as shown and described.

107,623
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application November 24, 1937, Serial No. 73,169
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

107,624
DESIGN FOR A DRESS
Harry Zinn, New York, N. Y.
Application November 16, 1937, Serial No. 72,913
Term of patent 3½ years



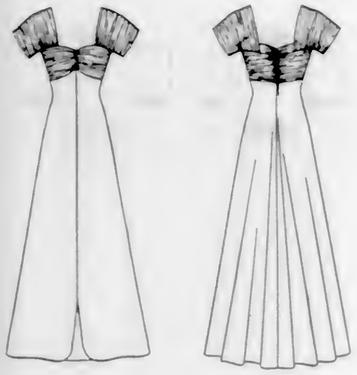
The ornamental design for a dress, substantially as shown.

107,625
DESIGN FOR A TEXTILE FABRIC
John W. H. Brooks, Philadelphia, Pa.
Application November 24, 1937, Serial No. 73,164
Term of patent 3½ years



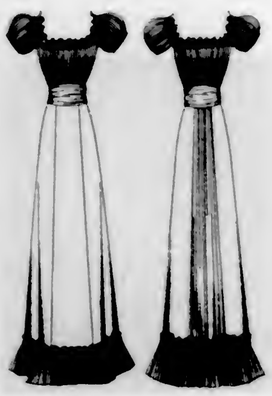
The ornamental design for a textile fabric, substantially as shown.

107,626
DESIGN FOR A DRESS
Sylvia Comolli, New York, N. Y.
Application November 18, 1937, Serial No. 72,974
Term of patent 3½ years



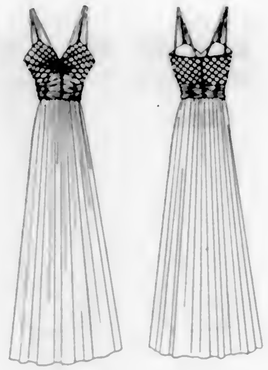
The ornamental design for a dress, substantially as shown and described.

107,627
DESIGN FOR A DRESS
Jack Greenman, New York, N. Y.
Application November 24, 1937, Serial No. 73,148
Term of patent 3½ years



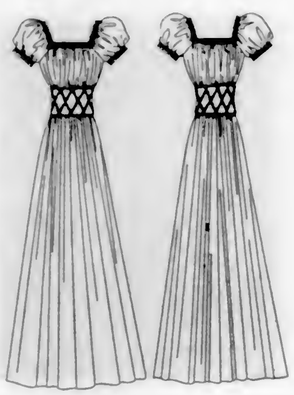
The ornamental design for a dress, substantially as shown.

107,628
DESIGN FOR A DRESS
Jack Greenman, New York, N. Y.
Application November 24, 1937, Serial No. 73,149
Term of patent 3½ years



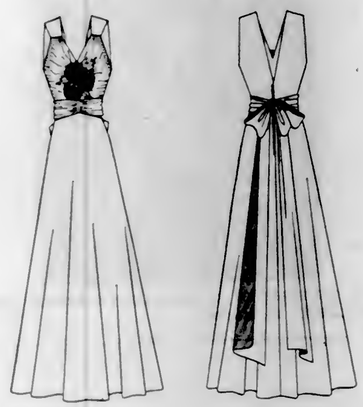
The ornamental design for a dress substantially as shown.

107,629
DESIGN FOR A DRESS
Jack Greenman, New York, N. Y.
Application November 24, 1937, Serial No. 73,150
Term of patent 3½ years



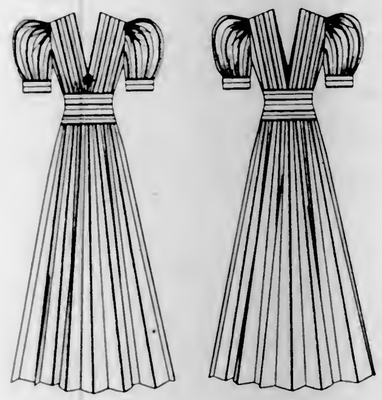
The ornamental design for a dress substantially as shown.

107,630
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application November 18, 1937, Serial No. 72,978
Term of patent 3½ years



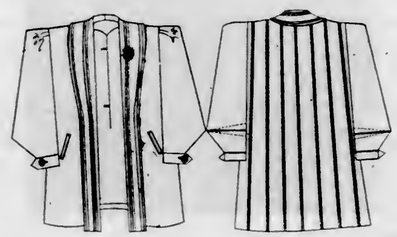
The ornamental design for a dress, substantially as shown.

107,631
DESIGN FOR A DRESS
Mercedes Hall, New York, N. Y.
Application November 18, 1937, Serial No. 72,979
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,632
DESIGN FOR A COAT
Henry Miller, New York, N. Y.
Application November 22, 1937, Serial No. 73,083
Term of patent 3½ years



The ornamental design for a coat substantially as shown.

107,633
DESIGN FOR A DRESS
Mollie Stone, New York, N. Y.
Application November 17, 1937, Serial No. 72,946
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,634
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application July 13, 1937, Serial No. 70,383
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

107,635
DESIGN FOR A TEXTILE FABRIC
Mark Turpan, West New York, N. J.
Application November 23, 1937, Serial No. 73,129
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

Patents Nos. 2,103,230 to 2,104,003

THE

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December 28, 1937

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Reissues	7—No.	20,603 to No.	20,609, inclusive.
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Designs	102—No.	107,636 to No.	107,737, inclusive.
Total	1,179		

Drawings

PRECAUTIONS TO BE OBSERVED IN FORWARDING DRAWINGS TO THE UNITED STATES PATENT OFFICE

Where drawings are to be filed in connection with an application for Letters Patent in the United States Patent Office, each sheet, before it can be accepted by the Office as a part of the application, must be signed in the name of the inventor at the lower right-hand corner, either by him or by an attorney whose written authorization from the applicant is filed in connection with the application. The signatures should never be written on a line parallel with the longer edges of the sheet, one of the shorter edges being always regarded, for the purpose of locating the signatures, as the lower edge of the sheet. The signatures must all be within the margin of the sheet and below the lines of the drawing. The title of the invention should be written with pencil on the back of each sheet of drawings.

When there are filed on the same day two or more applications by the same inventor, each of the documents and drawings belonging to the same application, should have placed thereon the same letter or number, which should be different from the letter or number placed upon those of any other of the applications.

It is desirable that all parts of the complete application, including the drawings, be deposited in the Office at the same time. Should, however, the other parts of the application be filed before the drawings are sent, the latter when forwarded should be accompanied by a letter stating the number of sheets inclosed, and that the drawings are to be filed with the other parts of the application, giving the date at which such other parts were filed in the Office, the name of the inventor, and title of the invention. If the application has received a serial number, that should also be given, and it should be indorsed with pencil on the back of each sheet of drawings. The letter should also state, if such be the case, that the new drawings are to be substituted for those previously filed.

Attorneys—Disbarment

(Order No. 3,402)

U. S. PATENT OFFICE, *Washington, D. C., June 25, 1937.*

Acting under the provisions of section 487 Revised Statutes of the United States (U. S. C. title 35, sec. 11) Herman Tischer, of 428 East 92d Street, New York, N. Y., whose registration is number 12,927, is hereby disbarred from practice before the United States Patent Office.

CONWAY P. COE,
Commissioner.

In the District Court of the United States for the District of Columbia

IN THE MATTER OF THE DISBARMENT OF HERMAN TISCHER

Disbarment No. 74

FINAL DECREE

This case came on to be heard on the appeal of Herman Tischer from the order of the Commissioner of Patents and having been argued and considered, it is adjudged, ordered, and decreed that the order of the Commissioner of Patents disbarring Herman Tischer from practice before the Patent Office be, and the same is, hereby affirmed.

November 30, 1937.

ALFRED WHEAT,
Justice.

Attorneys—Reinstatement

Order No. 3,416

U. S. PATENT OFFICE, *Washington, D. C., Dec. 15, 1937.*

Order No. 3,098 of January 31, 1929, disbarring Lyle N. Gillis from practice before the United States Patent Office, is hereby revoked and Mr. Gillis is reinstated and given his former registration No. 4,943 on the records of this Office.

CONWAY P. COE,
Commissioner.

Condition of Applications Under Examination at Close of Business December 11, 1937

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,934; Trade-Mark Division, 1,776. Oldest new case, June 10, 1937; oldest amended, May 20, 1937.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. (Act.), Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	July 12	July 14	723
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering, Bee Culture.	Aug. 18	Aug. 7	785
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Oct. 8	Oct. '12	435
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Sept. 8	Sept. 9	482
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons..	Sept. 11	Sept. 11	537
4898C	6. LEWERS, A. M., Carbon Chemistry (part)	Aug. 27	Sept. 9	726
5725	7. JARBOE, C. O., Optics; Photography	Aug. 30	Aug. 28	1,020
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Aug. 31	Sept. 8	602
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Aug. 2	Aug. 4	520
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies, and Tops; Vehicle Fenders; Spring Devices.	July 31	Aug. 9	848
5087B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Sept. 9	Sept. 14	484
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms; Velocipedes.	July 23	July 24	627
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Aug. 16	Aug. 16	650
8097	14. SMITH, G. A., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Sept. 11	Sept. 11	532
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Sept. 1	Sept. 1	1,081
5716	16. SPENCER, C. J., Telegraphy; Telephony	Aug. 15	Aug. 13	765
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Sept. 11	Sept. 11	525
4812	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Aug. 17	Aug. 11	473
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Aug. 16	Aug. 11	779
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Aug. 18	Aug. 28	493
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Sept. 11	Sept. 11	537
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns; Catapults and Targets; Boats and Buoys; Ships; Marine Propulsion.	Sept. 14	Sept. 15	566
7024	23. BUTTNER, W. J., Registers (part)	June 10	May 20	314
8083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 15	Sept. 15	627
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Thrashing; Vegetable and Meat Cutters and Comminutors.	Sept. 4	Sept. 4	600
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Aug. 13	Aug. 11	498
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing	July 6	July 3	920
4828	28. SOLYOM, H. L., Internal-Combustion Engines	Sept. 20	Sept. 8	342
5982	29. SHKLARIN, J. B., Woodworking; Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Tables.	Aug. 13	Aug. 11	791
4083	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	July 12	July 12	843
4715	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Sept. 17	Sept. 14	564
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Sept. 8	Sept. 7	487
4096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads	Sept. 11	Sept. 7	867
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Sept. 29	Sept. 23	330
3876	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Portable Receptacles	Sept. 11	Sept. 11	519
7897	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	July 21	July 26	558
5886B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	July 26	July 24	752
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 9	Aug. 6	627
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution; Railway Draft Appliances.	Aug. 12	Aug. 14	603
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Aug. 9	Aug. 12	1,230
7912	41. WHITNEY, M. L., Typewriting Machines; Coin Handling; Recorders; Registers (part)	Aug. 25	Aug. 25	291
5882	42. CUTTING, H. O., Electric Signaling	Aug. 14	Aug. 5	506
4886B	43. KLINGE, E. F., Medicines, Poisons, and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Sept. 11	Sept. 11	598
4087B	44. HARVEY, L. P., Refrigeration; Dispensing Beverages	July 22	July 15	798
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Aug. 27	Aug. 28	711
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Aug. 9	Aug. 9	613
6082	47. LOWE, E. R. (Act.), Clutches; Brakes	Sept. 7	Sept. 7	634
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Aug. 26	Aug. 26	546
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	June 15	June 9	852
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products	Sept. 11	Sept. 11	629
5028	51. BACKUS, C. D., Radiant Energy	Sept. 3	Sept. 6	777
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Aug. 28	Sept. 1	902
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Aug. 2	Aug. 11	793
5874	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes	Oct. 5	Oct. 4	422
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	July 27	Aug. 2	986
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	July 28	July 27	1,089
6413	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys.	Aug. 9	July 14	547
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Aug. 30	Sept. 1	377
4709	59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Carbon Chemistry (part); Substance Preparation.	Sept. 1	Sept. 1	617
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Aug. 21	Aug. 21	534
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	July 1	June 22	660
5021	62. PUGH, E. C., Games; Geometrical Instruments	Sept. 20	Sept. 16	566
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting and Fermentation	Sept. 11	Sept. 9	383
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel.	Sept. 11	Sept. 11	1,011
5812	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Aug. 17	Aug. 3	672
2099B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Oct. 19	Nov. 1	1,497
	Trade-Marks	Nov. 4	Nov. 1	279
2605	Labels and Prints	Nov. 15	Nov. 22	755
	Designs, H. H. KALUPY			

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

THE EMERSON ELECTRIC MANUFACTURING COMPANY *v.* EMERSON RADIO & PHONOGRAPH CORPORATION

No. 3,779. Decided June 21, 1937

[90 F.(2d) 331]

1. TRADE-MARKS—OPPOSITION—FAILURE OF OPPOSER TO PLEAD CORPORATE NAME CLAUSE OF STATUTE.

Where an opposer in the notice of opposition failed to set up the name clause of section 5 of the statute, *Held* that it waived its right to oppose the registration on the ground that the mark is a part of opposer's corporate name.

2. SAME—ELECTRIC DEVICES GENERALLY AND RADIO RECEIVING SETS NOT GOODS OF SAME DESCRIPTIVE PROPERTIES.

Electric machinery and devices generally, particularly motors, fans and motor generators used for radio transmission, *Held* not to be goods of the same descriptive properties as radio receiving sets and parts thereof.

3. SAME—OPPOSITION—PRIORITY OF USE.

Applicant held entitled to registration of mark consisting of the reproduction of a treble clef and words "Emerson Radio and Television" for use on radio receiving sets, etc., since applicant entered the field using the name "Emerson" as an essential part of its trade-mark years before opposer manufactured similar goods.

APPEAL from the Patent Office. Affirmed.

Mr. Lawrence C. Kingsland, Mr. Edmund C. Rogers, and *Mr. Estill E. Ezell* for the Emerson Electric Manufacturing Company.

Messrs. Darby & Darby, Mr. Samuel E. Darby, Jr., and *Mr. Louis D. Fletcher* for Emerson Radio & Phonograph Corporation.

GRAHAM, *P. J.:*

The appellee, Emerson Radio & Phonograph Corporation, a corporation of the State of New York, filed an application for the registration of a trade-mark, claimed to have been used in connection with the sale of

"radio receiving sets, television receiving sets, radio-television receiving sets, and parts thereof, viz., tubes, eliminators and loud speakers,"

continuously since about July 1, 1927. The trade-mark consisted of a representation of a treble clef, under which were the words "Emerson Radio and Television." The words "Radio and Television," appearing upon the mark, were disclaimed

"apart from the mark as shown in the drawing."

The Emerson Electric Manufacturing Company, a corporation of the State of Missouri, filed notice of opposition, alleging damage because of said opposed registration. The specific grounds of opposition stated in the notice are—

(1) That the opposer is the manufacturer of electrical equipment, including

"electric motors, electric fans, including portable, wall, ceiling, floor and exhaust types, furnace blowers, forge blowers, organ blowers, and hair driers, electric generators, electric motor-generators, electric switches, including manually operated and automatically controlled types, rotary transformers, illuminating cylinders, electrically operated coffee mills, electrically operated air and water pumps, electrically operated lathes, electrically operated buffers and grinders, electrically operated dental engines, electric power units for sewing machines, electrically operated humidifiers, electrically operated air washers, and radio 'B' power units";

that it has been in business under substantially the same name

"since in or about the year 1890,"

in which name "Emerson" was the distinctive feature.

(2) That it has continuously marketed its goods with the name "Emerson" prominently displayed thereon since "in or about 1890."

(3) That opposer is the owner of three trade-mark registrations, No. 111,931, dated August 15, 1916; No. 112,418, dated September 5, 1916; and No. 199,433, dated June 9, 1925.

The first of these registrations, all of which appear in the record, is one by The Emerson Electric Manufacturing Company, of the mark "Emerson," said to have been used continuously since 1890, in connection with the sale of

"electric motors, electric fans, including fans of portable, wall, ceiling, and floor types, electric exhaust-fans, electric forge-blowers, electric generators, electric motor-generators, knife-switches, switchboards, panel-boards, fuse-boards, transformers, rotary transformers, illuminating-cylinders, watch-demagnetizers, electric organ-blowers, electric hair-driers, electrically-operated coffee-mills, electrically-operated air and water pumps, electrically-operated lathes, electrically-operated buffers and grinders, electrically-operated furnace blowers, electrically-operated hacksaws, and electric motors and power-transmitters for sewing-machines, in Class No. 21, Electrical apparatus, machines, and supplies."

The second of these registrations was by The Emerson Electric Manufacturing Company, the mark being the word "Emerson," which is claimed to have been used continuously since 1890 in connection with the sale of

"dental lathes, dental engines, and buffers and grinders for dentists' use, in Class 44, Dental, medical, and surgical appliances."

The third of said registrations covers a mark consisting of the representation of a pyramid, superimposed upon which were the words

"Fans
Emerson
Motors
Built to Last."

The words "Fans," "Motors," and "Built to Last" were disclaimed apart from the trade-mark as shown. This mark was claimed to have been continuously used by the registrant since December 6, 1924, in connection with the sale of

"nonoscillating electric fans, oscillating electric fans, electric ceiling fans, electric column fans, electric ventilating fans, electric exhaust fans, and electric motors, in Class 21, Electrical apparatus, machines, and supplies."

The applicant filed an answer to the opposition in which, among other matters, it is denied that the opposer manufactures radio receiving sets, television receiving sets, radio-television receiving sets

and parts thereof, viz., tubes, eliminators and loud speakers; that the

"'Radio B Power Units' referred to in the said paragraph 1 of the opposition were not manufactured or sold by opposer until long after applicant had manufactured and sold its goods aforesaid bearing applicant's mark."

Further, it avers that the

"opposer did not at any time, prior to applicant, sell or offer for sale any radios, radio parts or radio products of any kind and never used the name 'Emerson' thereon; and never used said name upon goods such as those manufactured or sold by applicant."

The issuance of the three trade-marks pleaded in the opposition is admitted, but opposer's title thereto is not admitted. The answer denies that the goods,

"radio receiving sets, television sets, radio-television receiving sets, and parts thereof comprising tubes, eliminators and loud speakers,"

are of the same descriptive properties as the goods upon which the opposer has used its trade name of "Emerson." Confusion and damages are denied. Denial is also made that opposer is entitled to a monopoly of the use of the word "Emerson" on complete radio receiving sets in combination with phonographs, and the like.

Further answering, applicant insists that it and its predecessors, through whom it derived title, were the first to use the word "Emerson" on any of the apparatus named in its application, and that the opposer knew and assented to such use, and is estopped thereby.

The answer also pleads five registrations which it claims to own, as follows:

"No. 108,287, Jan. 25, 1916; No. 130,063, Apr. 6, 1920; No. 155,412, May 30, 1922; No. 225,976, Mar. 29, 1927; No. 131,902, May 25, 1920."

The first of these, No. 108,287, registered January 25, 1916, is a registration of a mark consisting of the words "Victor H. Emerson," in script, claimed to be used continuously since July 1, 1915, in connection with the sale of phonographic machines and sound records. This registration was by Emerson Phonograph Company, Inc. No. 131,902, registered May 25, 1920, is the registration of a mark consisting of a representation of a treble clef, in connection with the sale of phonograph records, alleged to be continuously used since July, 1918, and made by Emerson Phonograph Company, Inc. No. 130,063, registered April 6, 1920, is a registration of a mark consisting of a representation of a shield, in black and white, with the word "Emerson" written across the top, alleged to be used in connection with the sale of phonograph records continuously since May, 1918, and made by Emerson Phonograph Company, Inc. No. 155,412, registered May 30, 1922, is a registration of a trade-mark consisting of a representation of a treble clef, superimposed upon a phonograph record and the words "Emerson Records," alleged to be used in connection with the sale of phonographs and phonograph records continuously since June 3, 1918, made by Emerson Phonograph Company, Inc. No. 225,977, registered March 29, 1927, is the registration of a trade-mark, consisting of the representation of a treble clef, with the words "Emerson Phonoradio," and a scroll underneath the same, alleged to be used in connection with the sale of complete radio receiving sets adapted to combination with phonographs since March 14, 1924, which registration was made by Wasmuth-Goodrich Company.

Both parties took testimony.

The Examiner of Interference was of opinion that two questions were involved: First, the likelihood of confusion, and, secondly, whether the mark sought to be registered is the name of a corporation. As to the name clause, the Examiner of Interferences was of opinion that the parties were engaged in the sale of products of the

"same general character,"

and that the use

"of the notation 'The Emerson Electric Manufacturing Company' as a name, enables the opposer to qualify under the name clause of section 5."

The Examiner also found that the opposer was the prior user of the mark. Having come to the conclusion that the goods of the respective parties, while the question was

"within the twilight zone,"

were of the same descriptive properties, the Examiner of Interferences sustained the opposition and refused registration.

[1] On appeal, the Commissioner called attention to the fact that the name clause was not set up in the notice of opposition. This is true, and hence, as said by the Commissioner, must be considered as waived by the opposer. This doctrine was announced in *Rookwood Pottery Co.* v. *Wilhelm Company*, 43 App. D. C. 1, 212 O. G. 1691. The appellant argues at length that it has set up this ground of opposition in its notice, and quotes considerable portions of said notice in an attempt to substantiate this theory. These portions contain general allegations about the use of the name "Emerson" in connection with the sale of its goods, but, in our opinion, these cannot be treated as a proper pleading of the corporate name clause sufficient to advise the office that appellant was relying thereon. The word "Emerson" was not, and is not, the complete corporate name of the appellant. The Supreme Court, in *American Steel Foundries* v. *Robertson, Commissioner, et al.*, 269 U. S. 372, 342 O. G. 711, discussing the corporate name clause, said, in part:

> The provision, therefore, that no mark consisting merely in the name of a corporation shall be registered is to be construed in harmony with those established principles in respect of the appropriation of corporate names to which we have referred. Where the appropriation of the corporate name is complete, the rule of the statute, by its own terms, is absolute and the proposed mark must be denied registration without more. But where less than the whole name has been appropriated, the right of registration will turn upon whether it appears that such partial appropriation is of such character and extent that, under the facts of the particular case, it is calculated to deceive or confuse the public to the injury of the corporation to which the name belongs.
>
> The fact, for example, that the articles upon which the mark is used are not of the same description as those put out by the corporation, is entitled to weight, since the probability of such confusion and injury in that situation obviously is more remote than where the articles are of like kind. The cases, naturally, present varying degrees of difficulty for the application of the rule. Primarily, the power and the duty rests with the Commissioner of Patents to determine the question in each case in the exercise of an instructed judgment upon a consideration of all the pertinent facts.

In the case cited, the word in question was "Simplex," which was not the complete name of any particular corporation, but a part of many, and registration of a trade-mark containing the word was allowed.

The Patent Office, for a considerable period, has required the specific pleading of the corporate name clause. *In re Zinsmaster Baking Company*, 17 T. M. Rep. 554; *George W. Luft Co., Inc.*, v. *Integrity Hosiery Co.*, 14 U. S. P. Q. 292.

The appellant insists that the Commissioner may reject registrations on matters ex parte, and not pleaded in an opposition proceeding, and cites cases such as *Quaker State Oil Refining Co.* v. *Wolverine-Empire Refining Co.*, 23 C. C. P. A. (Patents) 827, 81 F.(2d) 245, 465 O. G. 244.

Under the pleadings in this case we do not think the opposer is in position to raise that question here.

The Commissioner considered that, following our recent case of *All-American Mohawk Corporation* v. *Rollinson*, 22 C. C. P. A. (Patents) 1301, 77 F.(2d) 926, 461 O. G. 472, the goods were not of the same descriptive properties, that there was no proof of confusion, and that the opposition should be overruled and registration be permitted.

From this decision the opposer has appealed. On April 5, 1937, we entered judgment affirming the judgment of the Commissioner. 24 C. C. P. A. (Patents) 1115, 89 F.(2d) 349. A petition for rehearing was duly filed, and, on May 29, 1937, the petition was granted, without reargument. The matter has again been carefully considered by the court.

It appears from the record that the general business of the appellant, The Emerson Electric Manufacturing Company, is the manufacture and sale of electric motors, electric fans, and other apparatus and appliances of similar nature, the sale of which is nation wide and international. The products have been extensively advertised. It appears from the testimony of the witness Finch that the name "Emerson" has been used in connection with equipment, particularly on dental, medical, and surgical appliances, since 1900. It is also shown that use has been made of the various registered trade-marks hereinbefore mentioned, by the appellant, at various times covering the period from the first of said registrations. The goods with which said marks were used were goods as specified in the various registrations, and consisted of a general line of electric apparatus and fixtures, particularly motors, motor-generators, and fans. The company has never manufactured or sold phonographs or radio apparatus, except in two instances, where it is claimed radio apparatus was produced and sold under its marks, namely, in 1931 and following, when it produced a special dynamotor for radio apparatus, and motor-generator sets for use with radio equipment which were produced in 1921 and subsequently. One of these motor-generators is shown in Exhibit 9. The illustration shows the device to be a motor and generator, connected by a jointed coupling and which devices were offered for sale with an output of from 500 to 1,500 volts D. C., or 100 to 400 watts, for use on 60 cycles or direct current. The overall dimensions of channel mountings ranged from 17¼ x 5 inches to 22½ x 5 inches, and the sets were advertised to be "Motor-Generator Sets for Radio Transmission," with this comment:

> The rapid development of the wireless telephone and telegraph has resulted in a demand for high-grade quiet-running generating equipment for operation on commercial circuits to furnish the higher voltages required for the operation of transmitting tubes.

The special dynamotor is shown by Exhibit 10. This is described as

"Emerson 'B' Power Unit, 32-Volt Direct Current For Operating Radios from 32-Volt Farm Lighting Plants Replaces 'B' Batteries—Maintains the Original Volume, Tone and Reception Qualities of the Radio."

Electric motors for use with phonographs have been supplied since 1911, but the name "Emerson" was not used thereon until 1921. The machines with which these motors were installed were of the automatic, coin-operated, entertainer type of large size, such as are installed in restaurants, and so forth.

During the years since the appellant and appellee have been doing business concurrently, the only confusion which has occurred, so far as the record discloses, has been the missending of some fifteen or twenty letters through the mails.

On the part of the appellee, the record shows that the appellee, and its predecessors in title, have been, since 1916, engaged in the manufacture and sale of phonographs and records therefor, under the mark of "Emerson," in one form or another, as shown by the registrations hereinbefore stated. Recently, the sale of phonographs and records has been discontinued. Appellee's claim of title is not in dispute.

In 1923, the appellee and its predecessors in title entered the radio receiving set field and have, since that time, continuously sold radio receiving sets. These were first sold under said Trade-Mark No. 225,976, registered March 29, 1927, in the name of Wasmuth-Goodrich Company, and later that part of the business, together with the trade-mark, was duly transferred to appellee. The appellee was incorporated on October 15, 1924, under its present name, and since that time has dealt in radio receiving sets and phonograph sets and records, at all times using a trade-mark in which the word "Emerson" was associated, until about July 1, 1927, when the pending mark was adopted, and since when it has been continuously used.

[2] The first question presented for consideration is as to the descriptive properties of the respective goods of the parties. The goods which were being manufactured and sold by appellant when appellee entered the phonograph, and, later, the radio receiving set field, consisted of electric machinery and devices generally, particularly motors and fans. It had established its standing and good will upon these goods. The only thing it had built or sold prior to appellee's entrance into the field which might be considered to be of the same descriptive properties as phonographs or radio receiving sets, was its motor-generators of 1924. However, these devices, if used for radio purposes, were used for radio transmission and not for receiving, and had

no function for the latter purpose. They could not, therefore, be said to be "radio receiving sets * * * and parts thereof." As to the goods sold and manufactured by appellant at that time, we are of opinion that they were not goods of the same descriptive properties as those included in the present application. The goods were used for different general purposes. Motors are used mostly for commercial and public utility purposes. Fans are for ventilation. The number of devices named in the first registrations of appellant are of a different character and used for different purposes than a radio receiving set which is used for amusement and entertainment. They are sold at different places, the latter usually at music or radio retail stores, the former usually at wholesale, to jobbers or to contractors.

The case of *Williams Oil-O-Matic Heating Corporation* v. *Westinghouse Electric & Manufacturing Company*, 20 C. C. P. A. (Patents) 775, 62 F.(2d) 378, 430 O. G. 628, is in point. This was an opposition case. The applicant was attempting to register the mark "Adjust-O-Matic" for use on adjustable and thermostatically controlled electric sadirons—flatirons. The opposer set up use of the trade-marks "Oil-O-Matic" and "Dist-O-Matic," on electrically operated and thermostatically controlled liquid fuel burning devices. As to whether the goods were of the same descriptive properties, we said:

> The goods of the parties are household utilities. They are adapted to be connected to the electric-light circuit, and are thermostatically controlled. They are not similar, however, in any other respect. They differ greatly in cost, use, appearance, and structure and, of course, are not competitive.
>
> Were it not for the fact that they are thermostatically controlled, we dare say that no one would contend that sadirons possess the same descriptive properties as either fuel-burning devices or refrigerators.
>
> In this connection, it may be observed that electric toasters, heating pads, waffle irons, table grills or sandwich toasters, and possibly other articles of household utility are electrically operated and thermostatically controlled. Is it possible that those articles and either fuel-burning devices or refrigerators possess the same descriptive properties merely because they are electrically operated and thermostatically controlled? Might it not with equal force be argued that all electrically operated devices belong to the same class for trade-mark purposes?
>
> We are of opinion that the mere attachment of automatic temperature regulators does not so change the character of sadirons as to give them, within the principles heretofore referred to, the same descriptive properties as either electrically operated and thermostatically controlled refrigerators or fuel-burning devices, and that the Commissioner of Patents reached the right conclusion.

The case last reviewed was cited with approval in *Meredith Publishing Company* v. *Scott & Sons Company*, 24 C. C. P. A. (Patents) 956, 88 F.(2d) 324.

As we have seen, the special dynamotor is for use with radio equipment, also called "radio 'B' power unit," and was first produced by appellant in 1931. The Commissioner states in his decision that it is "fairly apparent" that "it had been permanently discontinued before the application was filed." A more careful search of the record fails to disclose this fact, and, while this fact may have been made apparent to the Commissioner in oral argument, or otherwise de hors the record, we must consider the matter on the record. It is doubtless true that this apparatus, performing the same function as a set of "B" batteries in a receiving set, is of the same descriptive properties as "radio receiving sets * * * and parts thereof."

[3] We are unable to see, however, in what way this becomes important in this case. The appellee entered the radio receiving sets field in 1923 and 1924, using the name "Emerson," as an essential part of its trade-mark, eight years before the appellant produced its radio "B" power unit, and has continuously occupied it since that time, extensively advertising its product and its trade-mark. Having entered this field first, there appears to be no reason why it should not be allowed to register the trade-mark which it has been using, according to its application, continuously since about July 1, 1927.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

HATFIELD, J., did not participate in this case.

U. S. Court of Customs and Patent Appeals

IN RE HENSCHELL

No. 3,834. Decided June 21, 1937

[90 F.(2d) 357]

PATENTABILITY—GRATER.

Claims for a grater *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Mr. E. Hume Talbert and *Mr. Francis G. Boswell* for Henschell.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

Ferdinand A. Henschell, the appellant, filed an application in the United States Patent Office on April 20, 1932, for a patent on certain alleged new and useful improvements in graters. His claims were denied by the Examiner, and, on appeal, by the Board of Appeals. The appellant has appealed, bringing here three rejected claims, 13, 14, and 15, for review. Claims 13 and 14 are typical, and here follow:

> 13. A grater comprising a perforate sheet having grating teeth arranged in partial bounding relation to its perforations, said teeth comprising bulged portions of the sheet which give the teeth arcuate form both in the plane of the sheet and in planes perpendicular to the plane of the sheet, the edges of those portions of the sheet constituting the teeth being zones of cylindrical surfaces whose centers are the centers of the perforations.
>
> 14. A grater comprising a perforate sheet having its perforations arranged in parallel rows transversely of the sheet and being provided with grating teeth arranged in partial bounding relation to said perforations, said teeth comprising bulged portions of the sheet which give the teeth arcuate form both in the plane of the sheet, and in planes perpendicular to the plane of the sheet, the edges of those portions of the sheet constituting the teeth being zones of cylindrical surfaces whose centers are the centers of the perforations, the teeth at the perforations of adjacent rows being respectively on diametrically opposite sides of said rows.

The device disclosed by the appellant is a grater made of sheet metal and consists of an oblong sheet with marginal molded edges and turned over ends for easy handling. Upon the face of the grater are a number of teeth caused by transverse lines of perforations across the face of the grater.

The rejections were upon two references, namely, Silvestre (French), 634,732, November 30, 1927, and Rowley, 1,845,522, February 16, 1932.

The tribunals of the Patent Office contend that the disclosure of appellant is fully met by the references. On the other hand, the appellant contends that the rejected claims will not read upon the devices of the references.

There is considerable discussion about the method by which the grating teeth are formed. This is material only as bearing upon the shape and structure of the teeth. The appellant's counsel admits in his brief that the Board of Appeals has properly explained, in its opinion, the method of construction of the teeth, as follows:

> The disclosure relates to a so-called grater in which the grating elements are formed with respect to the body in a manner to produce a grating action as distinguished from a shredding action when a condiment, fruit or vegetable is moved back and forth over the grating surface. As disclosed, the grating teeth are semi-cylindrical in form produced by a punching action, which is illustrated in Figs. 4 and 5 of the drawing. On the right-hand side in Fig. 5 the die block 19 is cut away at the side of the opening 22 so that the punch on that side bends the metal downward from the plate 10 to the position as shown at 20 and then cuts the edge of the tooth portion in a semi-cylindrical form having a surface perpendicular to the plane of the sheet 10. In the disclosure, these teeth are arranged in rows with the tooth portions back to back in adjacent rows. The arrangement is also such that the teeth are in staggered relation with reference to adjacent rows or different pairs of rows.

The tribunals of the Patent Office seem to be of opinion that there is no practical difference, or, at least, no patentable distinction, between the teeth of the graters in Rowley and Silvestre and those of the appellant. The method of construction used by the appellant has just been stated.

Rowley constructs his teeth as follows: A number of cylindrical perforations are punched in a metal plate, perpendicularly. The plate is then stamped so that the portion at one side of each round perforation will be pushed outward to form a sort of bulge below the opening to facilitate the passing of the particles through the opening. Necessarily this bulging formation leaves an edge which is arcuate, both in the plane of the sheet and in planes perpendicular to the plane of the sheet.

The French patent to Silvestre employs another method. Here a bent plate of metal is punched into a series of perpendicular holes. The portion of metal between these holes is then pushed upward and outward to form a surface which will present a toothed edge in both directions. The grater, therefore, presents a series of double-toothed perforations, and will grate the substance desired to be treated when moved in either direction.

The appellant argues that the principal patentable distinction between his particular construction and those of the reference patents lies in the fact that the inner edges of the teeth of his grater are in a plane perpendicular to the plane of the surface of the grater. This is true, and, in our opinion, it is not met by either of the references. It must be manifest that when the punch goes through the metal in appellant's construction, half of the perforation is not punched out until the surface of the metal is depressed to the point where the balance of the cut may be done in a manner which will bevel the edge of the tooth to a sharp exterior edge.

That the Board of Appeals so understood the disclosure of appellant is apparent from its statement in its decision, as follows:

> * * * As disclosed, the grating teeth are semi-cylindrical in form produced by a punching action, which is illustrated in Figs. 4 and 5 of the drawing. On the right-hand side in Fig. 5 the die block 19 is cut away at the side of the opening 22 so that the punch on that side bends the metal downward from the plate 10 to the position as shown at 20 and then cuts the edge of the tooth portion in a semi-cylindrical form having a surface perpendicular to the plane of the sheet 10. * * *

The difficulty with appellant's position is, however, that this particular limitation is not disclosed in any of the claims. Claim 13, for instance, recites, in part,

> "the edges of those portions of the sheet constituting the teeth being zones of cylindrical surfaces whose centers are the centers of the perforations."

Similar language is found in rejected claims 14 and 15. So far as is apparent from the claims, the cylinders and cylindrical surfaces may not be perpendicular to the plane of the grater surface. A cylinder may lie in an oblique plane and still satisfy the language

> "whose centers are the centers of the perforations."

The particular feature, therefore, upon which the appellant so strongly relies, although disclosed by him in his specification, is not claimed in this application, and hence he can have no benefit from it here. The right of appellant to a patent depends not only upon what his device will do, but what he claims for it. *In re Molyneaux*, 17 C. C. P. A. (Patents) 573, 35 F.(2d) 68, 388 O. G. 785.

In our opinion, the other features and limitations of the rejected claims are found in the reference patents Rowley and Silvestre.

There is, therefore, in our opinion, nothing patentable claimed in the rejected claims, and the decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

KING *v.* BURNER

No. 3,807. Decided June 21, 1937

[90 F.(2d) 343]

INTERFERENCE—PRIORITY.

Record reviewed and *Held* that K. did not have a full and complete conception of the invention in issue prior to the conception and reduction to practice of B., the senior party, and *Held* that priority was properly awarded to the latter.

APPEAL from the Patent Office. Affirmed.

Messrs. Parker, Carlson, Pitzner, and *Hubbard, Mr. George L. Chindahl* and *Mr. Lincoln B. Smith* for King.

Mr. John L. Jackson, Mr. Arthur H. Boettcher, and *Messrs. Brown, Jackson, Boettcher, and Dienner* for Burner.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences awarding priority of invention to appellant.

The interference is between appellant's application, Serial No. 376,332, filed July 6, 1929, and appellee's application, Serial No. 242,367, filed December 24, 1927.

Appellant's application was assigned to the King Mechanism and Engineering Company of New York, hereinafter referred to as the King Company, and appellee's application was assigned to the Western Wheeled Scraper Company of Aurora, Illinois, hereinafter referred to as the Western Company.

Of the seventeen counts in issue, Nos. 3 to 19, inclusive, Nos. 3, 5, 10, and 15 are illustrative. They read:

3. A dump car comprising an under body, a tilting bed mounted thereon for dumping to either side of said underbody, a power cylinder comprising a thrusting element, and motion transmitting mechanism connecting said thrusting element with said bed and comprising means for establishing a direct connection between said thrusting element and said bed during the initial part of the dumping operation, and means for multiplying the motion transmitted from said thrusting element to said bed during the latter part of the dumping operation.

5. A dump car comprising an under body, a tilting bed mounted thereon for dumping to either side of the car about laterally spaced fulcrums, and tilting mechanism at each side of the car each comprising a power cylinder for tilting said bed, and motion transmitting mechanism comprising a lever through which the power of said cylinder is transmitted to said bed, said lever swinging bodily with said bed during the initial part of the dumping operation, and means movably connected with the underbody for causing said lever to pivot relative to said bed for increasing the movement transmitted thereto during the latter part of the dumping operation.

10. In a dumping device embodying a dumping body characterized by a low load carrying position and by a high dumping position, and a base for supporting the dumping body, the combination of the sides or a side of the dumping body attached thereto in such a manner as to permit outward and downward opening of the side by gravity, and power means for effecting movement of the body in dumping and righting and embodying mechanism for applying maximum force directly to maximum burden and indirectly applying a diminished force to extended movement of a diminished burden and including a system of levers inoperative during initial dumping movement and operative thereafter.

15. In a railway dump car, the combination of an under-frame structure, a dumping body mounted thereon for tilting to either side, and reciprocatory power means positioned beneath said body and operable to impart the movement thereof directly to said body to initiate tilting thereof and to impart amplified movement of the power means to complete the tilting thereof.

As appellant is the junior party, the burden is upon him to establish proof of priority of invention by a preponderance of the evidence.

The invention in issue consists of a combination of elements, all of which are old, with the possible exception of the so-called Achilles lever device, included in the dumping mechanism, and is described broadly in the counts, for example, count 3, as

"means for multiplying the motion transmitted from said thrusting element to said bed during the latter part of the dumping operation."

With reference to the invention defined by the involved counts, the Board of Appeals said:

The main feature of the new combination is the provision of power tilting means in which a piston rod, or mechanism at its head, of the vertically arranged power cylinder acts directly on the bottom of a side of the car to start the tilting movement and comprises a lever mechanism combined with the piston rods which subsequently or towards the end of the tilt of the body comes into play and provides a multiplication of the movement over that which would be imparted directly by the piston rod. This increased throw takes place near the end of the tilt where less force is necessary. The delayed action is accomplished by the provision of the lost motion connection in the mechanism so that the lever becomes effective only at the end of the stroke.

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Each of the counts involved here on appeal includes in some scope the fundamental features, that is, the power tilting mechanism. In count 15 it is stated in very broad scope substantially in terms as two means, as means operable to impart movement directly to the car body and means to complete the tilting thereof. In the other counts it is defined in varying scope and rather specifically in some, as in count 5. Each of the counts 3 to 19 have been construed as requiring that the power means act directly on the car body first and indirectly towards the end of the tilting movement.

The lever mechanism is referred to in the record as "the Achilles lever."

It appears from the record that, on October 27, 1924, the King Company and the Western Company entered into a contract—appellant's Exhibit No. 1—whereby the King Company agreed to grant to the Western Company an exclusive license to manufacture railway dump cars under certain patents then owned or controlled by the King Company, and the Western Company agreed to exert its best endeavors to develop and improve what is referred to in the exhibit as the "King car"; to build such a car; and to use its best efforts to create a market for it.

It is unnecessary, due to the views we hold, to state all of the obligations of the respective parties to that contract. It is sufficient to say that it was agreed that, upon the building and testing of such a car, the Western Company might terminate the contract. The car was built, and, it is agreed by the parties, was a failure. Thereafter, on October 15, 1926, the contract was terminated by the Western Company.

It is agreed that the "King car" did not embody the involved invention.

It is claimed by counsel for appellant that, during the year 1925, appellant disclosed to the Western Company certain sketches or drawings and written descriptive matter, disclosing the so-called Achilles lever mechanism in proper relation to the other elements involved in the appealed counts.

It appears from the record that, in the summer of 1926, the witness Benbow, chief engineer of the Western Company, interviewed appellee, who at that time was living in Columbus, Ohio, relative to appellee's employment by the Western Company for the purpose of designing a railway dump car, and that, for reasons not important here, appellee was unable to accept such employment until December 3 of that year, at which time he became an employee of that company.

It is claimed by counsel for appellant that, as appellant disclosed the invention in issue in confidence to the officials and employees of the Western Company, and as appellee designed a dump car embodying appellant's invention shortly after he became an employee of that company and later filed an application for a patent for that invention for the benefit of the Western Company, knowledge of appellant's invention must be imputed to appellee, and that, therefore, appellee is not an original and independent inventor of the subject matter in issue.

The circumstances surrounding appellee's employment by the Western Company, the fact that he stated in his preliminary statement that he conceived the invention defined in some of the counts in issue as early as December 10, 1926, at which time he and the witness Benbow, who was thoroughly familiar with appellant's disclosure to the Western Company, were on a trip together, and other facts and circumstances disclosed by the record are claimed by counsel for appellant to conclusively establish that appellee derived the invention from appellant.

In holding that appellant disclosed the invention defined by the counts in issue to the Western Company in 1925, long prior to the alleged date of appellee's conception, the Examiner of Interferences said:

It is not disputed that the drawings offered as King's Exhibits 20 and 21 and the letter, Exhibit 22, were produced by King in 1925. Since Burner's earliest alleged date of conception is 1926 it follows that, if these exhibits disclose the invention in issue, King was the first to conceive it.

The exhibits in question are thought to support the counts, in substantially the manner set forth in King's brief (pages 11 to 31). This detailed application need not be repeated here but it may be noted that Exhibit 20 suggests the use of a link, instead of a roller, for transmitting the motion of the lever to the tilting bed and that the use of spaced fulcrums is conventional as pointed out in the brief of each party (Burner, page 14; King, page 17). The gravity side doors recited by count 10 are equally conventional. Except for these elements, each of the counts seems fairly satisfied by King's Exhibit 21.

It is objected by Burner that this sketch does not show the details of the manner in which the device is to be applied to the car. This, of course, is true, but the sketch was directed to men skilled in the art and it was therefore unnecessary to present a working drawing to scale. *It is thought to be clear that a skilled mechanic, familiar with dump cars of the type involved, could readily proportion the parts and apply the device with no other information than that given by the King exhibits under consideration.*

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The exhibit [21] is merely an illustrative sketch and it was evidently intended that the exact proportioning and positioning should be worked out later. As already noted, the last mentioned steps are thought to lie within the province of a skilled mechanic. It is possible that some experimentation might be necessary to determine the best proportions, but this would not raise the matter to the dignity of invention. • • • For the purposes of this controversy it is sufficient that the King exhibits under consideration would enable a mechanic to construct an operative device satisfying the counts.

• • • • • • •

It seems advisable to reiterate at this point that the counts are not drawn to proportions of parts nor to the details of the structure by which the "Achilles lever" is applied to the dump car. They cover the broad application of this device to the car and their allowance must have been predicated on the idea that this application was patentable. [Italics ours.]

The Examiner of Interferences further held that as the invention in issue was disclosed by appellant to the officials and employees of the Western Company, knowledge of it must be imputed to appellee; that, therefore, appellee was not an original and independent inventor of the subject matter in issue, and, accordingly, awarded priority of invention to appellant.

Relative to appellant's conception of the invention in issue and his disclosure of it to the officials and employees of the Western Company, the Board of Appeals, in its decision reversing the decision of the Examiner of Interferences, stated:

Among the numerous items suggested by King to the Western Company in the extensive correspondence are found a few sketches and some descriptive matter which only quite vaguely and indefinitely refer to what King designated an "Achilles lever" mechanism. These may be identified as King's Exhibits 15, 20, 21, 22, 29, 40, 54, 61, 120, and 256. The merits of these exhibits have been discussed at great length in the briefs of both parties and it is not believed necessary to repeat the same here in detail. *It seems to us after careful consideration that the sketches are exceedingly indefinite and are far from disclosing anything which would be at all directly usable or without very extensive further research and modification probably constituting invention.* This conclusion appears warranted from the amount of experimentation and consideration which had to be given to this feature of invention by Graner and Knab in reducing it to any kind of operable device in the summer of 1928 when King concluded to prepare application for same. [Italics ours.]

The Board held that appellee was an original and independent inventor of the subject matter defined in the appealed counts; that, if it be assumed that appellant conceived the invention in 1925, he was not diligent in reducing it to practice, and, accordingly, awarded priority of invention to appellee.

It will be observed from the quoted excerpt from the decision of the Examiner of Interferences that he stated that the

"counts are not drawn to proportions of parts nor to the details of the structure by which the 'Achilles lever' is applied to the dump car."

It should be thoroughly understood throughout the consideration of the issues in this case that the involved invention is not the "Achilles lever" mechanism, but consists rather of a combination of elements, including the "Achilles lever" mechanism, in such relation to each other as to make an operable dump car.

Accordingly, the first question presented for our consideration is whether appellant disclosed such a combination of elements to the Western Company in 1925. If he did, the question of originality will need to be considered. If, on the contrary, he did not disclose such a combination, it will then be necessary to determine whether, from what he did disclose, the involved invention would be obvious to one skilled in the art.

We have given careful consideration to all of appellant's exhibits—sketches or drawings and written descriptive matter, his testimony, and other evidence of record relative to his disclosure to the Western Company in 1925, and we think it clearly appears that, although he disclosed to the engineers and officials of the Western Company the general idea of the use of the so-called Achilles lever mechanism in the building of a dump car, he did not disclose an operable combination of elements.

Counsel for appellant have argued at considerable length that by properly proportioning and rearranging the parts, it would have been a simple matter to have made an operable dump car from appellant's disclosure.

The Examiner of Interferences held that appellant's Exhibit No. 21, which is a sketch disclosing a contact roller on a piston rod, the roller to bear against the body of the car (at some point not disclosed) at the beginning of the dumping operation, the so-called Achilles lever pivoted on the piston rod, a link pivoted to the Achilles lever, and another link pivoted on the underframe of the car by means of a bracket, and a pivotal connection between such links, was not a working drawing; that it was merely an illustrative sketch; and that it was evidently intended by appellant that

"the exact proportioning and positioning should be worked out later. As already noted, the last mentioned steps are thought to lie within the province of a skilled mechanic. It is possible that some experimentation might be necessary to determine the best proportions, but this would not raise the matter to the dignity of invention."

As hereinbefore noted, the Board of Appeals, referring to appellant's sketches, stated that they were exceedingly indefinite and were far from disclosing anything that could be used

"without very extensive further research and modification probably constituting invention,"

and that it was supported in that view by the amount of experimentation and consideration given to that particular feature of the invention by appellant's engineers, Graner and Knab, before they were able to produce an operable structure.

It appears from the record that appellant was not an engineer; that he was not engaged as a mechanic in designing or constructing railway dump cars; that he was employed by the New York Central Railroad Company; that he was president of the King Company, which company had no office or plant; that that company never built any railway dump cars; and that its business was that of developing

"patents and licenses thereunder, for dumping vehicles, and so forth."

It further appears, as stated in the brief of counsel for appellant, that, in January, 1927, appellant did not have any

"complete drawings which could be turned over to a patent draftsman for the production of patent drawings";

and that he

"had many rough sketches and indicative drawings and diagrams and cardboard models, all fragmentary, so far as the illustration of a complete railway dump car was concerned, and a large mass of descriptive letters and notes."

Counsel for appellant further stated, probably in explanation of the long delay in the preparation and filing of appellant's application, that it

"required engineering study of all the elements of the contemplated car, and of their relation to one another, as, for example, the relation of the car body and its rolling supports to the underframe, the relation of the car body to the dumping mechanism, the relation of the drop door and door-operating mechanism to the car body and the dumping mechanism, the time relation of the car body locking and unlocking mechanism to the operation of the other mechanisms, and the valves required for the supply and control of the compressed air used for unlocking and dumping the car body."

It appears from the record that, on October 18, 1926, three days after the Western Company had terminated its contract with the King Company, appellant, his patent attorney, Cole, his patent draftsman, Waldheim, and Ansart, a patent solicitor, conferred relative to the preparation of an application for a patent; that, as early as December, 1926, on the advice of his patent attorney, appellant engaged L. P. Graner and Max Knab, engineers in the employ of the Sprague Railway Safety Control and Signal Company of New York, to assist him in the preparation of a patent application; that appellant acquainted his engineers with the details of dump cars; that he turned over to them all of his notes, sketches, and descriptive matter, theretofore disclosed to the Western Company; and that, although appellant could not control all of their time, he frequently urged his engineers, draftsman, and patent attorney to do their work as quickly as possible.

It is contended by counsel for appellant that appellant, his engineers, draftsman, and patent attorney were diligent in reducing the invention to practice from January 1, 1927, to July 6, 1929, when appellant's application was filed in the Patent Office.

As appellant's patent attorney, his engineers, and draftsman were not called as witnesses, we are not informed as to the length of time and the amount of labor and experimentation it required to develop a combination of elements, including the Achilles lever mechanism, in such relation to each other as to make an operable dump car. It seems strange indeed that, under all the circumstances, we are not afforded that information. There is no evidence of record that it was possible for appellant's engineers to develop the invention in issue from information given them by appellant. On the contrary, there is evidence—appellant's Exhibit No. 216, hereinafter quoted—tending to establish that they could not do so.

In view of the fact that it is insisted by counsel for appellant that appellant, his engineers, draftsman, and patent attorney were diligent from January 1, 1927, to July 6, 1929, when appellant's application was filed, we think it is fair to assume that they were unable to produce a combination of elements, including the Achilles lever mechanism, in such relation to each other as to make an operable dump car from the sketches or drawings and written descriptive matter disclosed by appellant to the Western Company in 1925. No other conclusion is possible, we think, in the light of the facts and circumstances appearing of record.

It may be observed, furthermore, that, long prior to June 20, 1928, appellant had had full opportunity to examine the Western Company's trucks which embodied the invention in issue, and to observe them in operation. Nevertheless, on June 20, 1928, Graner, one of appellant's engineers, wrote to appellant—appellant's Exhibit No. 216—as follows:

We made tests with the Achilles lever model and found the following:

The dumping both of the fully loaded and the empty car proceeds satisfactorily until the Achilles lever itself comes into play which corresponds to about the last three inches of the piston stroke. At this point the required force is very great. This is due to two reasons: One, of the unfavorable leverage of the Achilles lever which, of course, cannot be cured, and the other, due to binding.

The binding is caused by the fact that the Achilles lever being free on one of its ends starts the operation at an unfavorable angle and gives to the pressure of the piston rod—respectively the intermediate lever—whereby the piston rod tends to push the Achilles lever instead of raising it.

It looks to us as if this binding can be overcome—at least partly by either providing a stop for the Achilles lever or by anchoring its free end.

We shall proceed in this direction. • • •

Carbon copy to Mr. Cole.

On appellant's Exhibit No. 244, which consists of drawings dated July 24, 1928, and shows the "Achilles lever mechanism" in proper relation with other parts of the truck, we find the following notation: "Explained to Mr. King and me today, July 24, 1928, by Mr. Knab. [signed] John Waldheim."

We think it is clear from the record that appellant did not have a full and complete conception of the invention in issue prior to appellee's conception and reduction of it to practice in 1927, and that, therefore, he could not have disclosed it to appellee's assignee, the Western Company, either in 1925 or 1926.

We are of opinion that the Board of Appeals reached the right conclusion. Accordingly, its decision is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HUNTZICKER

No. 3,826. Decided June 21, 1937

[90 F.(2d) 366]

1. PATENTABILITY—AFFIDAVITS AS TO WHAT INVOLVES INVENTION NOT CONSIDERED.

"It has been repeatedly held by this court that statements contained in an affidavit relative to affiant's belief that a device involves invention would not be considered."

2. SAME—CENTRIFUGAL PUMPS, BLOWERS, ETC.

Certain claims for improvements in centrifugal pumps, blowers, etc., *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Reeve Lewis and *Mr. Philip Mauro* for Huntzicker.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting the appealed claims, Nos. 32 and 34 to 44, inclusive, in appellant's application for a patent for an alleged invention relating to improvements in centrifugal pumps, blowers, and similar machines.

Claim 44 is illustrative of the appealed claims. It reads:

44. A combined pump and pump driving electric motor unit including in combination, a combined supporting frame and casing; a single shaft rigid from end to end and adapted to have both rotary movement and limited longitudinal movement in opposite directions; spaced bearings supporting said shaft in said frame-casing for both rotary and longitudinal movement and with the ends of the shaft extending or projecting beyond both of its said bearings; an electric motor having its field mounted on said frame-casing and its armature surrounding said shaft between its said spaced bearings; means connecting said armature to said shaft to cause the same to rotate together; a pump casing forming part of said frame-casing and having an opening through which one propecting [projecting] end of the shaft freely passes into the interior of said pump casing; a rotary pump member within said pump casing and secured to said end of the shaft; cooperating sealing surfaces on said shaft and pump casing respectively and adapted to be engaged and disengaged by longitudinal movement of the shaft to open and/or close said opening in the pump casing through which said shaft passes to the interior of said casing; and means at the other projecting end of the shaft acting automatically to longitudinally shift the shaft in one direction to disengage said sealing surfaces while the motor is driving the shaft and to shift the shaft in the other direction to engage said sealing surfaces when the motor is not driving the shaft.

The references are: Spencer, 917,971, April 13, 1909; Carrier, 1,575,970, March 9, 1926; Hollander, 1,707,613, April 2, 1929; Wilfley, 1,756,323, April 29, 1930.

The references are fully described and applied to appellant's combination in the decisions of the Primary Examiner and the Board of Appeals.

Appellant's alleged invention is stated by the Primary Examiner to be a

"sealing mechanism for the shaft opening of a motor driven centrifugal pump. The usual stuffing box wastes power in friction. To eliminate this waste, applicant replaces the stuffing box with cooperating sealing rings on the shaft and the casing, respectively, said rings being held in contact to seal the pump shaft opening by a spring when the unit is not operating. When the unit is operating, a pair of weights which rotate with the shaft slide the shaft axially to separate the sealing rings. The pump is so constructed that there is very little tendency for liquid to leak out of the shaft opening when the unit is operating, even though the sealing rings are not in contact. The pump casing is supported from and by one of the motor end bells, and the pump impeller is mounted directly on the motor shaft. To accommodate the sliding movement of the shaft, one of the motor shaft bearings slides in its housing, while the other is fixed in the housing and on a sleeve which is keyed to the shaft to prevent its rotation relative thereto, while permitting the shaft to slide in the sleeve. The governor weights are pivoted to the sleeve and have arms contacting the end of the shaft to move the latter for separating the rings."

It is clear from the appealed claims and from the references of record that appellant's combination, as defined broadly in the appealed claims, consists of elements, all of which are old in the art.

In his decision rejecting the appealed claims, the Primary Examiner, among other things, said:

Arrangements for moving a pump shaft axially to unseal the shaft opening when the unit is operating are well known in the art, as shown by the Wilfley patent, owned by the assignee of this application, and by Carrier (rings 18, 19, and the governor of Fig. 7 or mechanism 60 to 63 of Fig. 2). Applicant admits that such mechanisms are old, but bases his claim for a patent on the fact that his shaft carries not only the pump impeller, but the motor armature as well.

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Spencer and Hollander show motors which support the pump casings and are provided with shafts carrying the pump impellers, just as in applicant's device. Spencer and Hollander use stuffing boxes instead of the centrifugally operated seal claimed by applicant. In view of the fact that such seals are old, as shown by Wilfley, the Examiner considers it an obvious and unpatentable expedient to replace the Spencer and Hollander stuffing boxes with relatively movable rings as in Wilfley, and to slide one of the rings and the shaft in Spencer or Hollander by mounting on the ends of their shafts a centrifugal governor like Wilfley's. The latter's governor could be bodily incorporated in Spencer or Hollander by mounting their motor armatures on the equivalent of Wilfley's sleeve 11, or by placing the equivalent of sleeve 11 at the end of the Spencer or Hollander shafts, as applicant does. The Examiner fails to find any patentable novelty in the fact that the shaft carries not only the impeller but the motor armature as well. The presence of the armature adds no complications and requires no alteration of structure to accommodate it.

All of the appealed claims, therefore, were rejected on the patents to either Spencer or Hollander, in view of Wilfley, as stated in the Examiner's decision. The Examiner also rejected the claims on Wilfley, in view of Spencer or Hollander, holding that it was unpatentable to add to Wilfley, who disclosed the sealing means, referred to in the quoted excerpt from the Examiner's decision, the elements in the disclosures of Spencer and Hollander, each of which shows a shaft on which the impeller and the motor armature are both mounted.

The Examiner further rejected claims 34, 36, and 38 to 42, inclusive, on either Spencer or Hollander in view of Carrier, who, he stated, disclosed

"how to replace the stuffing boxes of the main references with slidable sealing rings, and to mount at the right hand end of their pump shafts a governor device for sliding one ring and the shaft."

In its decision, the Board of Appeals, among other things, said:

We see no basic idea in such combination as the movable shaft releasing at certain speeds a sealing engagement of elements is just as effective whether the electric motor is mounted on the same shaft of the pump, as in the Spencer and Hollander patents, or whether the pump is operated from other means as in the patents to Carrier and Wilfley. It seems to us the essential features of the

rejected claims are found in the Wilfley and Carrier patents and simply to add to the construction of these patents a motor drive with the armature of the motor mounted on the main shaft of the pump, is not only suggested in the prior art but is of no moment in the combination of elements set forth in the claims on appeal. We have examined appellant's brief and affidavits submitted and see no good reason for taking a contrary view to that of the Examiner.

It may be said at this point that claims 28, 30, and 33, which define specifically and in detail the combination of the elements, as disclosed by the references, were allowed by the Primary Examiner. The appealed claims, however, were held to be unpatentable by the Examiner, because they broadly define appellant's combination.

Counsel for appellant filed an affidavit by appellant, and also other affidavits by persons skilled in the art.

[1] It has been repeatedly held by this court that statements contained in an affidavit relative to affiant's belief that a device involves invention would not be considered. It is true that the affidavits of record contain statements to that effect, nevertheless, they are helpful in that they explain how the involved invention differs from the references, the difficulties that would be encountered, and that experimentation would be required to combine the elements disclosed in the patents to Spencer and Carrier with those disclosed in the patents to Hollander and Wilfley, in order to secure a successful combination, such as disclosed by appellant.

It is agreed by the Solicitor for the Patent Office that counsel for appellant has correctly and succinctly stated the issues in his brief as follows:

> There having been known
> (*a*) Structures such as shown in the Spencer and Hollander patents having a common shaft for both pump and motor, said shaft being immovable endwise and entering the pump housing through a stuffing box; and
> (*b*) Structures like those of the Wilfley and Carrier (which do not show a combined pump and driving motor unit) wherein the pump shaft (not a shaft common to both pump and driving motor) is movable longitudinally to open and close sealing means.
> it then became "an obvious and unpatentable expedient", and noninventive for applicant to devise or create his combined pump and driving motor unit structure having its longitudinally movable shaft common to both the pump and driving motor and sealing means opened and closed by said longitudinal movement, instead of a shaft immovable endwise and not acting to open and close sealing means but rotating in a stuffing box.

In the foregoing quoted statement, counsel for appellant was attempting to state, somewhat ironically we suppose, the views of the Patent Office tribunals relative to appellant's alleged invention.

It clearly appears of record that appellant's combination is new, useful, and commercially successful. Whether it was obvious to one skilled in the art, as held by the tribunals of the Patent Office, is the primary issue before us.

Considering the appealed claims in the light of the facts of record, we are constrained to hold that appellant's combination, although defined broadly in the appealed claims, was not obvious to one skilled in the art.

We find nothing in the references to suggest that appellant's new, useful, and commercially successful device might be constructed by combining some of their elements. We are of opinion, therefore, that the appealed claims involve invention and are patentable.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

LENROOT, *J.*, did not participate in the decision of this case.

U. S. Court of Customs and Patent Appeals

JAMES *v.* CLAYTON, KERRICK, AND STADT

No. 3,857. Decided June 21, 1937

[90 F.(2d) 337]

1. INTERFERENCE—MOTION TO SHIFT BURDEN OF PROOF.
   Earlier application of J. relied on by him in motion to shift the burden of proof *Held* not to disclose the invention in issue.
2. SAME—DILIGENCE.
   Where the junior party J. was the first to conceive the invention but the evidence failed to establish that he made any attempt to reduce to practice between August 9, 1930 and October 6, 1931, when he filed his application, *Held* he was not diligent from immediately prior to C.'s filing date May 2, 1931, and thereafter until October 6, 1931.
3. SAME—CONSTRUCTION OF ISSUE.
   "It is well established that counts in an interference must be given as broad a construction as their language will reasonably permit. However, if the language of the counts is ambiguous, it must be read in the light of the specification in which the counts originated."
4. SAME—PRIORITY—RIGHT TO MAKE CLAIMS.
   Held that the senior party C. et al. are entitled to make the claims in issue and that priority was properly awarded to it.

APPEAL from the Patent Office. Affirmed.

Messrs. Kenyon and Kenyon, Mr. Drury W. Cooper, Mr. Maurice A. Crews, Mr. H. Frank Wiegand, and *Mr. Lee B. Kemon* for James.

Mr. Charles M. Thomas and *Mr. Ford W. Harris* for Clayton et al.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of invention to appellees.

The interference involves the application of Benjamin Clayton, Walter B. Kerrick, and Henry M. Stadt, Serial No. 534,533, filed May 2, 1931, and an application of Edward M. James, Serial No. 567,220, filed October 6, 1931.

The invention in issue relates to a process for the purification of vegetable and animal oils, and is sufficiently described in the counts in issue. Of the three counts in issue, Nos. 1, 2, and 3, Nos. 1 and 3 are illustrative. They read:

> 1. In the purification of vegetable and animal oils containing free fatty acid, a continuous process comprising intimately mixing a measured quantity of oil with a measured quantity of alkali for a period of less than five minutes, thereafter passing the mixture continuously through a heated conduit to raise its temperature to a degree which will facilitate centrifugal separation and then promptly centrifugally separating the refined oil from the resulting sludge and residual solution.
>
> 3. A process for the purification of vegetable and animal oil containing free fatty acid, comprising continuously feeding in measured quantities separate streams of said oil and an alkali to a mixing zone, continuously advancing said oil and alkali to a mixing zone, continuously advancing said oil and alkali while in intimate physical contact through said mixing zone to effect a thorough admixture thereof, in passing the mixture discharging from the mixing zone as a continuously advancing stream restricted in cross section through a continuous elongated passageway, in raising the temperature of the mixture during its passage through said elongated passageway to a degree sufficient to facilitate its subsequent centrifugal separation, and in subjecting the mixture discharging from said passageway to centrifugal separation to separate the refined oil from resulting sludge and residual solution.

Counts 1 and 2 originated in appellant's application. The claim constituting count 3 was added to the interference on motion of appellees under rule 109 of the rules of practice in the United States Patent Office.

Counsel for appellant moved to dissolve the interference as to counts 1 and 2 on the ground that appellees were not entitled to make them; opposed the addition of the claim constituting count 3 on the same ground; and moved to shift the burden of proof, claiming that a prior application of appellant, Serial No. 517,112, filed February 19, 1931, disclosed the invention in issue.

The Examiner of Interferences denied appellant's motion to dissolve and his motion to shift the burden of proof, and granted appellees' motion to add count 3.

[1] In denying appellant's motion to shift the burden of proof, the Examiner of Interferences said that there was no statement in appellant's application, Serial No. 517,112,

> "as to the length of time of mixing, nor as to the nature of the means in which heating takes place, nor as to whether centrifuging is to take place promptly, with respect to all of which the counts contain limitations."

In affirming the Examiner's decision as to that issue, the Board of Appeals stated:

> Appellant urges the James application Serial No. 517,112, filed February 19, 1931, presents as good a disclosure of the invention expressed in the interference counts as will be found in the Clayton application. The James earlier application emphasizes a special reagent for the purification of fatty oils, namely, an aqueous solution of a poly-sodium phosphate. The specification is very general as to the procedure of mixing the oil and alkali and seems to state that the process may be employed in continuous or batch operation. In this interference we are concerned with an improvement in a continuous process.
>
> The Examiner in considering the question of shifting the burden of proof properly stated that certain steps in the process as defined in the issues are not disclosed in the very general statements of the earlier James application. This application states nothing of an intimate mixture for a brief period and then passing through a heated conduit and promptly into a centrifuge. This application does not describe particularly a quick purification of the oil by a continuous operation. We are satisfied the Examiner's decision as to this earlier James application is warranted.

The only claim made here by counsel for appellant is that if appellees' application discloses the invention defined by the appealed counts, appellant's application, Serial No. 517,112, also discloses it.

[1] We are in entire agreement with the tribunals of the Patent Office that that application of appellant does not disclose the invention defined by the appealed counts.

In his decision of October 10, 1935, the Examiner of Interferences, after a careful consideration of the evidence in the case and the applications of the parties, concluded that appellant was entitled to a date as early as May 14, 1930, for conception of the invention; that, due to the views he held, it was unnecessary to determine whether appellees conceived the invention prior to their filing date—May 2, 1931; that weekly reports made by appellant to the Sharples Specialty Company, his employer and assignee, on a series of experimental tests conducted by him on an apparatus—appellant's Exhibit No. 1—from April to August 9, 1930, established that he failed to reduce the invention to practice during that period; that, although appellant was the first to conceive the invention, he was the last to reduce it to practice; and that, as he was lacking in diligence during the critical period, that is, from immediately prior to May 2, 1931—the filing date of appellees' application—and thereafter, until he filed his application—October 6, 1931—appellees were entitled to an award of priority of the invention, provided they could make the counts in issue.

With reference to the right of appellees to make the involved counts, the Examiner of Interferences referred to the evidence of record and appellees' specification, and held that appellees were entitled to make the counts in issue, and, accordingly, awarded priority of invention to them.

In its decision, the Board of Appeals discussed at considerable length the evidence relative to appellant's activities in his attempt to reduce the invention to practice, then, after quoting from some of the reports made by appellant as to his progress in his experimental work, among other things, said:

> In considering an improvement in a method of purifying cottonseed oil, the results might be satisfactory in certain respects and not in others and it could hardly be said that such experiments were so satisfactory as to present a reduction to practice especially if the experimenter himself indicated dissatisfaction. This is especially true as it may be uncertain as to the actual results desired. Appellant urges he was seeking especially good results and that the results obtained in his experiments were satisfactory to a certain extent. This is questionable though James, in some experiments, carried out the individual steps of the process as called for by the counts. If the results were evidently unsatisfactory to the operator, how can it be said that such results are a satisfactory reduction to practice? What if James actually carried out the individual steps of the process as defined in the issues of the interference and got no particular results, could it be said that he reduced to practice under such conditions? We believe the Examiner's position as to James' reduction to practice is warranted as the last experiments were seemingly much the same as to results as the first, and the final report indicated these tests would be continued at some future time. Furthermore, it must be remembered such tests were made in an experimental apparatus • • •,

and, accordingly, affirmed the holding of the Examiner of Interferences that appellant had not reduced the invention to practice prior to his filing date, and that he was not diligent from immediately prior to the filing of appellees' application—May 2, 1931—and thereafter, until he filed his application—October 6, 1931.

With reference to the right of appellees to make the counts in issue, the Board quoted the following from appellees' specification:

> "It is obvious, however, if the alkali is introduced closer to the oil supply A, which may be remote from

the heater 3, premixing with the oil will take place in the pipe A' before reaching the heater 3 and step two,"

then said:

Appellant urges vigorously there is no statement of intimate mixing of the alkali with the oil before entry of the mixture into the heater and that all the reaction takes place in the heater coil. He points to a statement in line 18, page 6, that the reagent pumped into the line A' "in measured quantity enters the oil in filamentary form and performs its previously described reactions during step two." Appellant notes also that in the testimony of various witnesses for Clayton et al., it is stated the reactions take place in the heating coil and no special emphasis laid on any special mixing of the oil and the alkali before passing into the heater.

Appellee, on the other hand, submits evidence by experts to show in *injecting alkali into a flowing stream of oil (the word "injecting" is found in line 2 of page 6 of the specifications) a certain mixture of the oil and alkali would occur and when this mixture is passed through meter 14, pump 2, air chamber 9 and the various valves and connections between the point of entry of the alkali to the oil and the heater, intimate mixture of the oil and alkali will naturally occur.* Clayton et al. definitely describe a premixing of oil with the alkali before the mixture reaches the heater and this is apparent from the quotation from the specification above noted. We must then define the term "intimately" as associated with mixing. What is the difference between *mixing* and *intimately mixing* and is the mixture of the oil and alkali in the Clayton disclosure intimately mixed? This raises a question of degree of mixing. How can a definite line be drawn between substances intimately mixed and premixed? We find no satisfactory reason for holding the oil and alkali mixed in the Clayton pipe connections may not be described as intimately mixed. If appellant intended to cover mixing in an agitator to produce a smooth emulsion, we believe other language would be more appropriate. We realize that James provided a special agitator for closely mixing and associating the oil with the alkali and probably by this operation the process is improved, but we do not understand there is any unexpected result from this intimate mixing. We have not overlooked the fact that Clayton describes a fine division of alkali and diffusion of the alkaline solution within the oil in the heater coils, but this is after the oil and alkali have been thrown together and mixed before passing to the heater and is evidently a further mixing action. Clayton also emphasizes the importance of control of heat not greater than 100° F. which has an effect in the next step of centrifuging as the product is said to be "foots showing practically no free oil" and more easily divided into constituent gums, resins, etc.

It would appear in the statements of objects of invention in the specifications of both parties that they are attempting, at least, to obtain the same purification of vegetable and animal oils and especially cottonseed oil. We feel constrained, therefore, to hold the Clayton et al. application supports the counts of the interference. (Italics ours, except the words "mixing" and "intimately mixing.")

and, accordingly, affirmed the decision of the Examiner of Interferences awarding priority of invention to appellees.

Exhibits 12 and 14 summarize appellant's weekly reports, beginning April, 1930, and ending July 26, 1930, of the experimental tests made by him in an effort to reduce the invention to practice. In his report for the week ending July 26, 1930, appellant stated:

Centrifugal refining of cottonseed oil

The laboratory refinings on the samples of oil made to correct for the increase in free fatty acid show extremely high losses, although the colors are good.

Two final runs thru the small scale apparatus with tri-sodium phosphate show very greatly improved losses, but dark colors. We are, therefore, definitely abandoning tri-sodium phosphate for cottonseed oil, but shall continue to use it with other oils.

• • • • • • • •

We planned during the coming week to make larger runs to check losses on the two samples of cottonseed oil, and we have also ordered a sample of Cochin cocoanut oil for tri-sodium phosphate refining.

We shall also investigate mixtures of tri-sodium phosphate and sodium hydroxide as refining agents, and expect to try out sodium phenolate as a demulsifying agent.

There is nothing in any of those weekly reports to indicate that appellant had successfully reduced the invention to practice. On the contrary, they definitely establish that, as late as July 26, 1930, he had not done so.

In his Exhibit 17, a report for the week ending August 9, 1930, appellant stated:

Centrifugal refining of cottonseed oil

Work on this *problem* has been *suspended* in order to clean up outstanding work in the laboratory. It will be continued as soon as possible. (Italics ours.)

There is no evidence of record that appellant made any further attempt to reduce the invention to practice prior to his filing date.

On April 7, 1931, Mr. A. B. Cooper, an employee of the Sharples Specialty Company, appellant's assignee, wrote a "daily report" to his employer—appellant's Exhibit 21—directing attention to the work being done by appellees with a "super centrifuge" manufactured by the Sharples Specialty Company. The report was concluded with the following statement:

I do not know what patents Dr. Stadt has applied for, but if he has not applied for patents covering *this application* of our machine it might be well to look into the matter. It may be that this problem has all been gone over at the factory, but if not, it seems that this application would bear looking into. (Italics ours.)

On April 24, 1931, appellant, James, wrote to Mr. J. H. Wilcox, San Francisco office, with reference to appellees' process for refining cottonseed oil, appellant's Exhibit 23, and stated that he had read Cooper's report—appellant's Exhibit 21—with much interest; that one of the first things he did upon his return to Philadelphia was to study

"the possibility of continuous refining, separating the resulting soap stock with a super centrifuge";

and that—

This work was carried out during the early part of 1930, *and was only laid aside on account of press of other business*, notably the continuous treating of lubricating oil.

It is unfortunate that Cooper was not able to get more data. For instance, it would be extremely interesting to know the exact amount of caustic used in his test, the percentage of free fatty acid in the crude cottonseed oil, the refining loss to be expected by regular commercial method, also the color produced under these conditions, and finally the refining loss and color produced by the continuous method. (Italics ours.)

Appellant thereupon explained the method employed in his experimental work as follows:

Crude cottonseed oil and caustic were fed at a definite rate into a small mixer in which they were thoroly mixed, the time of such mixing being controlled. From the mixer they passed into a heater formed of a copper coil surrounded by a glycerine bath maintained at temperature slightly above the boiling point of water. In this coil the emulsion formed by mixing the caustic and the oil was heated to approximately 70° C. and the emulsion partially broken. From the heater the broken emulsion passed to a laboratory super centrifuge, equipped with a special adjustable bowl, in which separation took place into clear oil and soap stock.

and, with reference to the results he had obtained in reducing the invention to practice, said:

I found that I was able to get soap stock which was readily discharged when I used caustic soda strength of 4, 6, and 8° Baume, (from 2 to 4% NaOH content). I used these extremely weak caustic solutions in order to minimize saponification of neutral oil as much as possible, *but unfortunately the volume handled was very large.*

My principal difficulty was the fact that with the dilute caustic I obtained such a large volume of soap stock that although the neutral oil content in per cent was low, *actually the refining loss was high.*

• • • • • • •

Another troublesome point was the building up of an emulsion between the soap stock and the oil in the bowl, and in view of the fact that the adjustments obtainable with the No. 1 machine are not nearly so fine as those possible with the No. 6 machine, *I was unable to obviate this difficulty.*

The colors which I obtained were excellent, and quite equal to those produced by refining the oil by the standard method.

So far as patent protection is concerned, continuous refining is covered by U. S. Patent No. 1,457,072 issued to the DeLaval Company on the 29th of May, 1923. This patent is of doubtful value and I believe could be readily gotten around, but [confidential] would probably effectively prevent our obtaining good patent protection on the process. I shall be extremely interested in hearing of any further results which Cooper may get, and shall be glad to assist you in evaluating the process by every means in my power.

I strongly urge that the following points be covered in future reports if the information can be obtained.

First—Free fatty acid of crude treated,

Second—Strength and percentage of caustic used,

Third—Color and refining loss obtained when the oil is refined by standard method,

Fourth—Color and refining loss obtained when the oil is refined in the continuous apparatus and the soap stock separated with a super centrifuge,

Fifth—Neutral oil content of the soap stock discharged from the centrifugal. (Italics ours.)

It is argued by counsel for appellant that Exhibit 23 fully discloses the invention in issue, and that it was shown to Clayton and to Stadt, two of the appellees.

Clayton denied having seen or read the contents of the exhibit, and stated that, had he known that appellant was working on a process for "Centrifugal refining of cottonseed oil", he would have had nothing further to do with him or his assignee, the Sharples Specialty Company.

Dr. Stadt stated that the only part of the exhibit he recalled having seen was the last portion of it where appellant requested information concerning the five points in which he was particularly interested.

Assuming for the purpose of this decision, that appellant did disclose the invention in that exhibit, it, nevertheless, clearly appears from appellant's statements contained therein that, as late as April 24, 1931, he had failed to reduce the invention to practice. Furthermore, on May 20, 1931, eighteen days after appellees had filed their application, Mr. J. H. Wilcox addressed a letter to Mr. F. T. Sharples, Philadelphia, appellant's Exhibit 22, wherein it was stated that the Sharples Specialty Company had recently sold a No. 6 super centrifuge to appellees. Mr. Wilcox gave a rather detailed description of appellees' process, and enclosed a sketch, which the Examiner of Interferences held disclosed the involved invention. Appellant admitted that he had seen the sketch and the letter about the time they were received by Mr. Sharples.

As hereinbefore noted, there is no evidence of record to establish that appellant made any attempt to reduce the invention to practice subsequent to August 9, 1930, and prior to the filing of his application—October 6, 1931.

[2] We are in agreement with the concurring decisions of the Patent Office tribunals that appellant was not diligent from immediately prior to appellees' filing date—May 2, 1931—and thereafter, until he filed his application—October 6, 1931.

We come now to the only remaining issue in the case, that is, the right of appellees to make the counts in issue.

Each of the tribunals below decided that issue in favor of appellees.

Although other matters have been discussed by counsel, the only question of importance involved in that issue is whether "intimately mixing" the oil and alkali, as stated in count 1, or effecting a "thorough admixture thereof", as stated in count 3, is disclosed in appellees' application by the language "premixing the oil and caustic" before heating. In other words, the question is whether the premixing of the oil and alkali before heating, as stated in appellees' application, is a sufficient disclosure of the language of the claims—"intimately mixing" and a "thorough admixture thereof" before heating.

As stated in the decision of the Board of Appeals, appellees submitted evidence by experts, who performed "*inter parte* tests" in the presence of appellant's representatives, and who testified that intimate mixtures of oil and alkali were produced by appellees' process.

In appellees' specification it is stated, as hereinbefore noted, that

"It is obvious, however, if the alkali is introduced closer to the oil supply A, *which may be remote from* the heater 3, premixing with the oil will take place in the pipe A' before reaching the heater 3 and step two." (Italics ours.)

Referring to premixing and intimately mixing, the Board stated:

"This raises a question of degree of mixing. How can a definite line be drawn between substances intimately mixed and premixed? We find no satisfactory reason for holding the oil and alkali mixed in the Clayton pipe connections may not be described as intimately mixed. If appellant intended to cover mixing in an agitator to produce a smooth emulsion, we believe other language would be more appropriate."

[3] It is well established that counts in an interference must be given as broad a construction as their language will reasonably permit. However, if the language of the counts is ambiguous, it must be read in the light of the specification in which the counts originated.

The word "mix" is defined by the lexicographers as follows:

1. To cause a promiscuous interpenetration of the parts of, as of two or more substances with each other, or of one substance with others; to unite or blend into one mass or compound, as by stirring together; hence, to combine (any material or immaterial things); to mingle; blend; as to *mix* flour and salt; to *mix* wines; • • •

4. To form by mingling; to produce or prepare by the stirring together of ingredients; to compound. (Webster's New International Dictionary.)

I. *t.* 1. To cause to unite promiscuously into one mass, assemblage, or body; incorporate closely and indiscriminately together; mingle so as to render separately indistinguishable; as, to *mix* breeds of animals; to *mix* water with whisky. • • • 3. To produce by incorporating different ingredients; make by mingling; as to *mix* dough. • • •

II. *i.* 1. To become promiscuously united or blended; become incorporated together into one body; as, gases *mix;*

• • • (Funk & Wagnalls New Standard Dictionary.)

The word "blend" means "To unite intimately." See Webster's New International Dictionary.

It will be observed that the word "mix" means a "promiscuous interpenetration" of two or more substances with each other, "to unite or blend [them] into one mass or compound." It is clear, therefore, that the term "intimately mixing" is, to say the least, included within the dictionary definitions of the term "mix".

The word "admixture" means the "Act of mixing, or the compound formed by mixing, different substances together; mixture." See Webster's New International Dictionary.

Accordingly, there is no distinction in meaning between the terms "intimately mixing" and "a thorough admixture", as called for in the appealed counts, and "premixing", as used in appellees' specification.

Counsel for appellant argue that the term "intimately mixing" should be narrowly interpreted.

In view of the fact that that term is not ambiguous, we have no authority to give it other than its broad meaning. See *Swain* v. *Booth*, 295 Fed. 236; *Hagen* v. *Cords*, 24 C. C. P. A. (Patents) 1128, 88 F.(2d) 998, 1000.

We agree with the statement of the Board of Appeals that

"If appellant intended to cover mixing in an agitator to produce a smooth emulsion, we believe other language would be more appropriate."

However, the counts in issue are not so limited, and we cannot read such a limitation into them.

[4] For the reasons stated, we are of opinion that appellees are entitled to make the claims constituting the counts in issue. Accordingly, the decision of the Board of Appeals is affirmed.

Affirmed.

LENROOT, *J.*, concurs in conclusion.

U. S. Court of Customs and Patent Appeals

THE COSHOCTON GLOVE COMPANY

v.

BUCKEYE GLOVE COMPANY

No. 3,796. Decided June 21, 1937

[90 F.(2d) 660]

1. TRADE-MARKS—USE AS A GRADE MARK NOT A TRADE-MARK USE.
   Use of notation "Buckeye" by The Coshocton Glove Company in connection with its trade-mark "Co-Shoc" *Held* to be only as a grade mark and not as a technical trade-mark.
2. SAME—INTERFERENCE—OWNERSHIP PREREQUISITE TO RIGHT OF REGISTRATION.
   "It is fundamental that ownership of a mark is a prerequisite to its registration, and it seems to us that if it develops during the hearing of an interference proceeding that ownership may not be claimed by either party thereto, it becomes the duty of the Commissioner, or the officials acting for the Commissioner, so to declare and deny registration to both."
3. SAME—INTERFERENCE AND OPPOSITION DISTINGUISHED.
   "One distinction between a trade-mark interference proceeding and a trade-mark opposition proceeding is that in the latter one does not have to show ownership of a mark in order successfully to oppose its registration to another, while in the former (which does not involve any question of damage) ownership by one or the other of the parties must be established in order to secure registration."
4. SAME—INTERFERENCE—NEITHER PARTY ENTITLED TO REGISTRATION.
   "It is our view that, under the facts developed here, neither party has shown itself entitled to claim ownership and, therefore, exclusive use of the mark. Appellant did not own the mark at the time of filing its application because it had not used it as a technical trade-mark. This it did not attempt to do prior to the date claimed by appellee. On the other hand, appellee, at the time it claims to have adopted the mark, had no right to appropriate it to its exclusive use because of appellant's prior use of it to indicate a grade, or model, of its merchandise."
5. SAME—SAME—APPEALS—QUESTIONS NOT RAISED MAY BE DECIDED.
   Where questions decided by court on appeal were not decided by tribunals below nor raised in the reasons of appeal but are inherent in the case and should have been considered below *Held* "We have no doubt of this court's authority to take the course here taken, and regard it our duty to construe the statute and point out what we consider its proper application to the facts of the case."
6. SAME—SAME—NEITHER PARTY ENTITLED TO REGISTRATION—CASE REMANDED TO THE PATENT OFFICE.
   Award of priority to Buckeye Glove Company adjudging it to have the right to registration reversed and the case remanded to the end that proper entries may be made in the Patent Office in accordance with the view of the court that neither party is entitled to registration.

APPEAL from the Patent Office. Reversed and remanded.

Mr. George E. Kirk for The Coshocton Glove Company.

Mr. Charles W. Owen and Messrs. Owen & Owen for the Commissioner of Patents.

GARRETT, *J.*:

This is a trade-mark interference proceeding in which, by appeal, appellant brings to us for review the decision of the Commissioner of Patents, speaking through the Assistant Commissioner of Patents, awarding priority and adjudging right of registration to appellee, this being a reversal of the decision of the Examiner of Interferences.

The mark sought to be registered by both parties consists of the word "Buckeye" for use on work gloves. Specifically, appellant's application recites "for work gloves and work mittens of fabric, leather, and combinations thereof," while the petition of appellee recites, "for work gloves of fabric, leather, and combinations thereof."

Appellant's application, Serial No. 311,721, was filed March 4, 1931. It was twice amended, and, in its amended form, alleged use of the word "since as early as March, 1928." The application seems to have stood rejected ex parte by the Examiner, upon certain references not here important, for a long period, and the record is not clear as to just when the word was finally determined ex parte to be registrable. The declaration of interference recites that notice of appellant's application was published May 1, 1934.

The application of appellee, Serial No. 351,795, was filed May 24, 1934, with use alleged by it and its predecessors "since as early as November 1st, 1930," which was prior to appellant's filing date. From the interference declaration it is learned that notice of appellee's application was published August 14, 1934. Apparently, no opposition proceeding was instituted by appellant.

It may here be said that appellant before us raises a question as to appellee's derivation of title. The record bearing upon this has been examined with the result that we do not think appellant's contention upon this point should be sustained.

It appears from a letter of the Examiner, under date of June 15, 1934, that appellee at some time following the filing of its application requested interference with the application of appellant and in this letter the Examiner further said:

The application [of appellee] is being passed to publication. At the end of the publication period, this application and Serial No. 311,721 will be forwarded to the Interference Division of this Office.

Action in application Ser. No. 311,721 is being suspended for a period of sixty days, and said applicant is being notified.

The record contains a letter from the attorney for appellant, filed September 17, 1934, in which it was said:

'In Office action of June 20, 1934, this case was suspended for a period of sixty days. Inasmuch as the case has passed publication on May 1, 1934, without opposition, it is asked that further delay not occur herein and that this case be passed to registration forthwith.

Both parties took testimony and various documentary exhibits were filed on behalf of both. It is not found necessary to review the evidence in detail. It is sufficient to say that it established use of the mark by appellant prior to its use by appellee, but appellant's use of it was as a *grade* mark, not as a technical *trade-mark*, while appellee used it as a technical *trade-mark*.

[1] Appellant's trade-mark is "Co-Shoc" and an exhibit on file shows it prominently displayed in an oval which contains a picture of a bear, beneath which are the words "A Bear for Wear." The words "Big Bear" appear in parentheses in the oval beneath "Co-Shoc" and above the bear picture. Also in the oval are the words "Work Gloves", the first word to the left and the last to the right of the picture. Underneath the oval, contacting with its lower edge, is a strip upon which is imprinted the word "Buckeye". The evidence shows that, upon other types of appellant's gloves, instead of "Buckeye" the respective strips bear the imprints "The Colonel", "Skout", "Storm King", etc. Appellant is shown to have made many different types of gloves.

The Examiner of Interferences held, in effect, that the use of the mark "Buckeye" by appellant constituted both a grade mark and trade-mark use, citing *Williams Evangeline Confection Co.* v. *U. R. S. Candy Stores*, 54 App. D. C. 68, 294 Fed. 999, 320 O. G. 451, and *Paris et al.* v. *W. W. Stewart & Sons*, 57 App. D. C. 95, 17 F.(2d) 683, 363 O. G. 453, and also our case of *John Wood Manufacturing Co.* v. *Servel, Inc.*, 22 C. C. P. A. (Patents) 1370, 77 F.(2d) 946, 461 O. G. 948. The Commissioner points out that the latter case was an opposition proceeding. It may also be pointed out that the *Paris* v. *Stewart & Sons* case, supra, was a cancellation proceeding. The other case so cited was an interference proceeding involving the mark "Evangeline" for candy, but it appeared there that, in the words of the court:

• • • By that name the candy has been ordered, by the trade and sold by the retailers. *No other mark has been used on the carton.* Nor has any witness said it was ever treated as a grade mark. The name, in our judgment, clearly indicates origin of the candy. [Italics ours.]

In other words, the court there found that the use of the mark was a trade-mark use. We agree with the Commissioner that such a finding as to use of the instant mark by appellant would not be justified by the record before us.

We are, however, unable to agree with the Commissioner as to certain other declarations in his decision.

In the case of *Wood Manufacturing Co.* v. *Servel, Inc.*, supra, an opposition proceeding, we sustained the Commissioner of Patents in holding, in effect, that the use by the appellee there of a word as a grade mark, or identification mark, for refrigerators precluded the appellant in that case from obtaining registration of the word as a trade-mark upon goods of the same descriptive properties.

Referring to that case, the Commissioner, in his decision in the instant case, said:

The distinction between that case and this lies in the fact that the prevailing party to an interference must necessarily be entitled to registration of his mark, whereas an opposer need only prove that he would be damaged by registration to his adversary.

It is not understood just what is meant by the phrase "prevailing party," as used in the foregoing holding. If it be meant that upon a mere showing of priority in use of a mark, with a claim of ownership, the party making such showing and claim becomes the prevailing party and thereby necessarily entitled to register the mark, we are unable to agree.

Section 7 of the Trade-Mark Registration Act, so far as pertinent to the issues of this case, reads:

Whenever application is made for the registration of a trade-mark • • • for registration of which another has previously made application • • • the Commissioner • • • may declare that an interference exists as to such trade-mark, and in every case of interference • • • he shall direct the Examiner in charge of interferences to determine the question of the *right of registration* • • •.

The Commissioner *may refuse to register* • • • *both of two interfering marks*, or may register the mark, as a trade-mark, for the person first to adopt and use the mark, *if otherwise entitled to register the same* • • •. [Italics ours.]

[2] It is fundamental that ownership of a mark is a prerequisite to its registration, and it seems to us that if it develops during the hearing of an interference proceeding that ownership may not be claimed by either party thereto, it becomes the duty of the Commissioner, or the officials acting for the Commissioner, so to declare and deny registration to both.

[3] One distinction between a trade-mark interference proceeding and a trade-mark opposition proceeding is that in the latter one does not have to show ownership of a mark in order successfully to oppose its registration to another, while in the former (which does not involve any question of damage) ownership by one or the other of the parties must be established in order to secure registration. The sustaining of an opposition is equivalent to a holding that the party seeking to register is not the owner of the mark, but it does not follow that the opposing party necessarily is the owner.

There are, to be sure, certain questions which a Primary Examiner must determine before an interference may be declared. Patent Office rule 51 provides:

> 51. Before the declaration of interference, all preliminary questions must have been settled by the Examiner in charge of trade-marks, and the trade-mark which is to form the subject matter of the controversy must have been decided to be registrable, and must have been published at least once in the Official Gazette of the Patent Office.

The preliminary questions so required to be determined are determined in the light of the Patent Office records only, and, in the very nature of things, the finding by a Primary Examiner that a mark is registrable is tentative. He cannot know what facts outside the Patent Office records subsequently may be shown which will affect the right of registration.

Section 7, supra, clearly makes it the duty of the Examiner in charge of interferences, and ultimately of the Commissioner upon appeal to him, "to determine the question of the right of registration." We think this brings before them for consideration all the questions originally passed upon by the Primary Examiner and all facts which may be developed in the trial of the interference, including, as of course, the fundamental question of ownership.

If it be found in the case at bar that a state of facts exists which precludes both parties from claiming ownership of the mark, of what avail is an award of priority to either? Indeed, how can there be an award of priority, in the meaning of the statute, where there is no ownership? Incidentally, it may be remarked that the decision of the Commissioner in this case not only adjudges appellee "to be the prior user of the mark" but further declares that it is "entitled to the registration thereof."

Notwithstanding this, the suggestion was offered during the hearing and consideration of this case by us, that, should the decision of the Commissioner be affirmed, appellant might still oppose the registration in an opposition proceeding. That is a matter upon which we need not pass here, but it may be pointed out that the statute requires that notice of opposition "shall be filed within thirty days after the publication of the mark sought to be registered," and that, according to the record, as has been already recited, notice of appellee's application was published August 14, 1934.

Also, it was suggested that the way would be open to appellant, after appellee's mark be registered, to institute cancellation proceedings. It is not our province in this proceeding to consider that question, nor do we regard it necessary even were we at liberty so to do.

[4] It is our view that, under the facts developed here, neither party has shown itself entitled to claim ownership and, therefore, exclusive use of the mark. Appellant did not own the mark at the time of filing its application because it had not used it as a technical trade-mark. This it did not attempt to do prior to the date claimed by appellee. On the other hand, appellee, at the time it claims to have adopted the mark, had no right to appropriate it to its exclusive use because of appellant's prior use of it to indicate a grade, or model, of its merchandise. *Wood Manufacturing Co.* v. *Servel, Inc.*, supra.

Such being the case, we think it was the duty of the Commissioner to exercise the authority vested in him by section 7, supra, and refuse registration to both parties, which automatically would have dissolved, or vacated, the interference.

It has been the long-settled practice for the Commissioner, in an opposition proceeding, to determine, ex parte, and without reference to issues raised by the notice of opposition, that a proposed mark is not subject to registration. There is no express provision for this in section 6 of the Trade-Mark Registration Act, the section providing for opposition proceedings, but in section 7 it is provided that

> "in every case of interference or opposition to registration"

the Commissioner

> "shall direct the Examiner in charge of interferences to determine the question of the right of registration • • • and of the sufficiency of objections to registration • • •."

Also, it is said

> "The Commissioner may refuse to register the mark against the registration of which objection is filed,"

and, as has been seen, the section contains the express provision that the Commissioner

> "may refuse to register both of two interfering marks,"

which necessarily means denial of registration to both parties.

[5] A further suggestion has been offered that to reach the conclusion which we have reached, it is necessary for us to pass upon questions not considered by the tribunals below and not raised in the reasons of appeal. So far as this may seem to be correct, it is sufficient to say that the questions which we decide are inherent in the case and hence should have been considered below. Had they been considered and passed upon there, the conclusion of both the Examiner of Interferences and the Commissioner of Patents might have been different, and upon any appeal taken, the reasons of appeal would have been stated in accordance with the issues resulting from the decision.

We have no doubt of this court's authority to take the course here taken, and regard it our duty to construe the statute and point out what we consider its proper application to the facts of the case.

[6] Since the decision of the Commissioner in this case reversed the decision of the Examiner of Interferences, the end which, in our opinion, should be reached cannot be attained through the mere reversal by this court of the Commissioner's decision. That, in legal effect, would amount to a reinstatement of the decision of the Examiner of Interferences which, we think, was also erroneous. The order is, therefore, that the decision of the Commissioner of Patents be reversed and the cause remanded, to the end that proper entries may be made in the Patent Office in accordance with the views herein expressed.

Reversed and remanded.

U. S. Court of Customs and Patent Appeals

IN RE FISCHER

No. 3,802. Decided June 21, 1937

[91 F.(2d) 219]

1. PATENTABILITY—ALLOWANCE OF BROADER CLAIMS TO APPLICANT IN PRIOR PATENT—EFFECT OF.
   Where the applicant contended that because of the allowance to him of broad claims in a prior patent he should be allowed the more specific claims on appeal *Held* "The general rule is that patentability of a claim may not be based upon the allowance of other claims in another application."
2. SAME—PAVING STRUCTURE AND METHOD.
   Claims for a paving structure and method of constructing same *Held* unpatentable over the prior art.
3. SAME—FUNCTION OR RESULT.
   "Patentability of a claim must be found in the structure or method or composition described, and not in the function performed or the results secured."

APPEAL from the Patent Office. Affirmed.

Mr. Albert F. Robinson for Fischer.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.:*

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting claims 1 to 17, inclusive, of appellant's application for lack of invention over the cited prior art. No claims were allowed. Both method and structure claims are involved.

Claims 1 and 5 are illustrative of the involved claims and read as follows:

> 1. The method of constructing a paving structure comprising forming a foundation layer, superposing a surfacing layer over the foundation layer, and providing a groove in one of the layers, whereby a crack is caused to develop in the other layer substantially coincident with the groove.
>
> 5. A paving structure comprising a foundation layer, a surfacing layer superposed on the foundation layer, and a groove formed in one of the layers containing waterproofing material to define a joint seam in both layers and seal same.

The references relied upon by the Board of Appeals are: Wright et al., 1,021,082, March 26, 1912; Gundlach, 1,484,303, February 19, 1924.

The Examiner also rejected the claims upon a patent issued to appellant February 21, 1933, No. 1,898,943, but he was reversed upon this ground of rejection by the Board of Appeals.

The alleged invention is concisely described by the Board of Appeals as follows:

> The subject matter of the appealed claims is a paving structure and a method of making same and consists of a foundation layer provided with an expansion joint filled with expansion joint material and an upper finishing layer. The lower layer is stated to be of cement laid in slabs and separated at intervals by a crack in which is placed a plastic bituminous material which is admitted to be old. Over the top of this first layer is placed a continuous finishing layer which may be of some asphaltic material. After the pavement has been laid, it is assumed that a crack will form in the top layer immediately over the expansion joint provided in the bottom layer so that, when expansion takes place, the expansible material in the lower layer will be caused to ooze into the crack formed in the upper layer.

The patent to Wright et al. discloses an expansion joint for use in a pavement, the same to be inserted between the slabs forming the lower layer of the pavement. A top layer over the slabs is provided. The expansion joints to be inserted between the slabs of the lower layer are formed by a casing filled with asphaltum or other suitable semi-solid material. The joints are so formed as to permit the spreading of the material, upon expansion of the slabs of the pavement, downward and laterally, with a minimum of spreading upwardly toward the top of the pavement. The patent states:

> • • • the main objects of this invention are to provide an improved form and construction for expansion joints of the character described; to provide an improved casing or container for the filling material, of such form that the filling material may be placed in position in advance of the concrete, and thus obviate the necessity of using wooden mold strips; to provide an improved construction whereby the width of the joint at its open side may be reduced to a minimum, whereby there will be in the interior of the joint an expansion space into which the filling material may flow when subjected to pressure by expansion of the adjacent concrete blocks, and whereby the abutting faces of the concrete blocks will be shaped in such manner that the expansion of the blocks will force the filling material to flow toward the expansion space *rather than be squeezed out at the top;* • • • [Italics ours.]

The patent to Gundlach discloses a pavement consisting of spaced sections of a lower layer of concrete, having interposed between the sections preformed expansible strips or slabs of an asphalt mixture, the strips or slabs being reinforced by a core of material of greater rigidity than the asphalt of which the strips or slabs are made. Over the lower layer is placed a monolithic finishing layer.

The Examiner rejected all of the claims as involving no invention over the patents to Gundlach or Wright et al., and also rejected the claims as involving no invention over the claimed subject matter of a patent issued to appellant, No. 1,898,943. As hereinbefore noted, the Board of Appeals reversed the action of the Examiner as to the rejection on appellant's prior patent, but affirmed the rejection on the patents to Wright et al. and Gundlach.

Appellant contends that the claims in his said patent are generic claims involving the broad invention, and that therefore the more specific claims here involved should have been allowed.

[1] The general rule is that patentability of a claim may not be based upon the allowance of other claims in another application. *In re Fischer*, 18 C. C. P. A. (Patents) 1076, 47 F.(2d) 794, 409 O. G. 563; *In re Lawson*, 22 C. C. P. A. (Patents) 1016, 75 F.(2d) 633, 457 O. G. 4.

Obviously, if the claims here involved do not involve invention over the references, the decision of the Board of Appeals must be affirmed.

[2] We have some doubt as to whether the disclosure in the patent to Wright et al. is sufficient to warrant the rejection of appellant's claims, but we are clear that the claims are unpatentable over the patent to Gundlach. We can find no material distinction in structure or method between the claims here involved and the pavement disclosed by Gundlach. In that patent, as in appellant's application, a pavement is disclosed comprising a lower layer divided into sections having spaces between them, which spaces are filled with an expansible material, and an upper or finishing layer monolithic in character.

Appellant's application has a single drawing which is substantially identical with Figure 5 of the drawings of the Gundlach patent. Appellant's counsel has pointed out no difference in structure between the pavement of Gundlach and that disclosed in appellant's application, nor is any difference in method disclosed that is material here. In his brief it is stated:

> Gundlach 1,484,303 is somewhat similar to the disclosure of the Wright et al patent. It shows in Figure 4 a paving structure composed of rigid elements spaced apart with an expansion joint strip 12 inserted therebetween. Figure 5 shows substantially the same structure as Figure 4, but with a surfacing layer superposed over the foundation layer. There is no disclosure that the surfacing layer is adapted to crack over the expansion joint strip 12. The patentee states that his expansion joint strip provides for the necessary contraction and expansion of the sections "without danger of cracking." (R., p. 31, line 27.) In view of this it cannot be assumed that the patentee intends for the surfacing layer in Figure 5 to crack or to crack immediately above the expansion joint strip. Moreover, there is no disclosure that even if a crack does develop in the surfacing layer that the expansion joint material will flow into the developed crack, waterproofing and sealing same.

It will be observed from the foregoing quotation that reliance is placed, not upon difference in structure between the pavement disclosed by Gundlach and that disclosed by appellant, or in the method of producing the same, but rather upon the function or operation of the particular structure. Surely there is no invention in discovering that a pavement will or will not crack at certain points under certain circumstances. It is clear to us that, if appellant's structure will cause cracks to form in the upper layer of the pavement coincident with the waterproofing material in the lower layer, into which cracks the waterproofing material will flow, exactly the same thing will happen in a similar structure such as disclosed in the Gundlach patent.

[3] Patentability of a claim must be found in the structure or method or composition described, and not in the function performed or the results secured. *In re Skaupy & Pulfrich*, 21 C. C. P. A. (Patents) 712, 67 F.(2d) 492, 438 O. G. 987.

The decision of the Board of Appeals is affirmed. Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

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2,036,805. (See 2,020,683.) 2,041,560. (See 2,042,952.)

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Des. 87,911. (See Des. 84,886.)

Des. 89,076. (See 1,957,237.)

Des. 105,900, B. Salzberg, Dress, filed Oct. 15, 1937, D. C., S. D. N. Y., Doc. E 85/369, *Metropolitan Button Works, Inc.*, v. *Varsity Dress Co., Inc.* Doc. E 85/370, *Metropolitan Button Works, Inc.*, v. *Dixie Novelty Co., Inc.* Doc. E 85/326, *Metropolitan Button Works, Inc.*, v. *Eitinger Bead Co., Inc.* Consent decree for plaintiff (notice Oct. 19, 1937). Same, filed Oct. 18, 1937, Doc. E 85/377, *Metropolitan Button Works, Inc.*, v. *B. Burstein et al.* (*Bur-Tan Embroidery Novelties Co.*). Same, filed Oct. 19, 1937, D. C., S. D. N. Y., Doc. E 85/379, *Metropolitan Button Works, Inc.*, v. *J. Kahn* (*New Star Button Co.*).

Des. 106,316, M. Michelson, Dress ensemble, filed Oct. 14, 1937, D. C., S. D. N. Y., Doc. E 85/366, *F. Perlberg, Inc.*, v. *M. Reiter et al.* (*Party Dress Co.*).

Des. 106,346, E. M. Ciccone, Dress, filed Oct. 16, 1937, D. C., S. D. N. Y., Doc. E 85/371, *T. Posner & Bro., Inc.*, v. *Galaxy Dress Corp.*

Des. 106,363, O. Wusits, Dress, filed Oct. 18, 1937, D. C., S. D. N. Y., Doc. E 85/376, *Hayman & Cohen, Inc.*, v. *Ivy Dress Co., Inc.*

Des. 106,412, P. Valenti, Dress, filed Oct. 18, 1937, D. C., S. D. N. Y., Doc. E 85/373, *D. Herman et al.* v. *Cecbee Dress, Inc.*

T. M. 33,599, J. Morrell & Co., Ltd., Cured meats; T. M. 75,085, same, Bacon; T. M. 75,231, same, Bacon and smoked meats; T. M. 127,094, J. Morrell & Co., Pork tenderloin; T. M. 135,494, same, Breakfast bacon; T. M. 153,803, same, Hams, shoulders, butts, etc.; T. M. 275,054, T. M. 275,055, T. M. 275,056, T. M. 275,122, T. M. 275,998, same, Stock and poultry feed; T. M. 308,670, T. M. 317,414, same, Canned food for dogs,

cats, foxes, and other animals, D. C., E. D. Ill. (Danville), Doc. 831–D, *John Morrell & Co.* v. *B. W. Doyle et al. (Doyle Packing Co.)*. Trade-marks held infringed (notice Oct. 25, 1937).

T. M. 75,085. (See T. M. 33,599.)
T. M. 75,231. (See T. M. 33,599.)
T. M. 127,094. (See T. M. 33,599.)
T. M. 135,494. (See T. M. 33,599.)
T. M. 153,803. (See T. M. 33,599.)
T. M. 275,054. (See T. M. 33,599.)
T. M. 275,055. (See T. M. 33,599.)
T. M. 275,056. (See T. M. 33,599.)
T. M. 275,122. (See T. M. 33,599.)
T. M. 275,998. (See T. M. 33,599.)
T. M. 308,670. (See T. M. 33,599.)
T. M. 317,414. (See T. M. 33,599.)

Adjudicated Patents

(C. C. A. Mass.) Mershon patent, No. 1,141,402, for electrolytic apparatus employing filmed electrodes, claim 5 *Held* invalid. *Mershon* v. *Sprague Specialties Co.*, 92 F.(2d) 313.

(C. C. A. Md.) Cimorosi patent, No. 1,467,755, for toy torpedo, was not *Held* invalid and infringed. *Commercial Novelty Co.* v. *Victory Fireworks & Specialty Co.*, 92 F.(2d) 299.

(C. C. A. Mass.) Mershon patent, No. 1,784,674, for film formation and operation of electrolytic condensers and other apparatus, claims 10 and 12 *Held* invalid. Claims 5, 8, 13, 14, 15, and 16 *Held* not infringed. *Mershon* v. *Sprague Specialties Co.*, 92 F.(2d) 313.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,798,840, H. J. Hemingway and W. A. Weidlich, Pigmented lacquer base, decided August 1, 1936, the claim.

Pat. 1,835,844, J. K. Butler, Electric refrigerator, decided October 13, 1937, claims 1, 2, 3, 4, and 5.

Pat. 1,925,584, H. C. Fisher, Production of pulps containing thermoplastic substances, decided October 19, 1937, claims 1 and 15.

Pat. 1,927,027, W. C. Foulds, Method of preventing the formation of scale in boilers and the like, decided December 7, 1937, claim 1.

Pat. 2,002,234, W. L. Morrison, Air cooling and circulating device and process, decided December 7, 1937, claims 6 and 7.

Pat. 2,002,235, W. L. Morrison, Air cooling and circulating device, decided December 7, 1937, claims 18 and 19.

Pat. 2,082,053, A. C. Freudenberg, Cotton picker, decided December 4, 1937, claims 1, 15, 16, 17, 18, and 19.

Trade-Mark Registrations Canceled

128,394. Preserved or prepared codfish. Great Eastern Fisheries Corporation, Rockland, Maine. Registered January 6, 1920. Canceled December 10, 1937.

273,016. Cod-liver-oil tablets. McCoy's Laboratories, Inc., New York, N. Y. Registered July 15, 1930. Canceled November 29, 1937.

326,405. Alcoholic liquors. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Registered July 23, 1935. Canceled November 12, 1937.

330,817. Medicinal preparation. Wm. A. Lange, doing business as Dormosed Laboratory, New York, N. Y. Registered December 17, 1935. Canceled November 29, 1937.

336,052. Alcoholic liquors. Jacob S. Polefsky, doing business as Continental Pure Products Co., Jersey City, N. J. Registered June 23, 1936. Canceled November 12, 1937.

336,145. Prints and reproduction of paintings. Continental Lithograph Corporation, Cleveland, Ohio. Registered June 30, 1936. Canceled December 10, 1937.

337,602. Certain named medicinal preparations. Ford Hopkins Co., Chicago, Ill. Registered August 11, 1936. Canceled December 10, 1937.

342,205. Leather. Brightman Leather Co., Inc., Brooklyn, N. Y. Registered January 5, 1937. Canceled December 10, 1937.

350,366. Device for fastening pencils to office machines. Ketcham & McDougall, Inc., Upper Montclair, N. J. Registered September 28, 1937. Canceled November 12, 1937.

Disclaimers

1,685,966.—*Robert S. Stewart*, Chicago, Ill. ANNEALING POT. Patent dated October 2, 1928. Disclaimer filed November 29, 1937, by the assignee, *The American Brake Shoe and Foundry Company.*

Hereby disclaims from the scope of claim 1 each and every annealing pot which is not cast and therefore not integral and wherein the excess of metal at each corner of the pot is not confined to the inside of each such corner.

1,704,754.—*Harry N. Marvin*, Rye, N. Y. RADIO APPARATUS AND METHOD OF OPERATING THE SAME. Patent dated March 12, 1929. Disclaimer filed November 26, 1937, by the patentee.

Hereby enters this disclaimer to claims 23, 29, 30, 31, 32, and 33 of said patent.

1,764,312.—*Harold C. Jenks*, Wilkinsburg, Pa. CONTROL SYSTEM FOR ROLLING MILLS. Patent dated June 17, 1930. Disclaimer filed December 1, 1937, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 3, 4, 5, and 6 of the patent specification.

1,953,844.—*Wilson S. Yerger* and *Lewis S. Somers*, Philadelphia, Pa. CAST TYPE. Patent dated April 3, 1934. Disclaimer filed November 29, 1937, by the assignee, *Imperial Type Metal Company.*

Hereby enters this disclaimer to claims 1, 2, 4, 5, and 7 in said patent.

2,042,670.—*Richard C. Leake*, Rochester, N. Y. CENTRALIZED TRAFFIC CONTROL SYSTEM. Patent dated June 2, 1936. Disclaimer filed November 30, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer to claims 1, 2, and 8 of said Letters Patent.

2,045,900.—*Oscar H. Dicke*, Rochester, N. Y. INTERLOCKING SYSTEM FOR RAILROADS. Patent dated June 30, 1936. Disclaimer filed November 30, 1937, by the assignee, *General Railway Signal Company.*

Hereby enters this disclaimer to claims 1, 2, and 3 of said Letters Patent.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Dec. 3, 1937.*

Robert W. Edens and Omer E. Brubaker, their assigns or legal representatives, take notice:

Four interferences having been declared by this Office between a joint application for patent of Robert W. Edens and Omer E. Brubaker, of 349 Highland Avenue and 2892 Pershing Avenue, San Bernardino, California, respectively, and applications for patent filed by Edwin E. Daniels, 200 South Willard Street, San Jose, California, and Edison Harrington, 1128 Fugate Street, Houston, Texas, and ten other applications, and counsel for the parties Edens and Brubaker having been unable to secure satisfactory service upon said Edens and Brubaker, notice is hereby given that unless said Edens and Brubaker, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., Dec. 1, 1937.*

Charles D. Fox, his assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Modern Merchandising Bureau, Inc., 36 West 44th Street, New York, N. Y., to effect the cancellation of trade-mark registration of M. Hirshfield, No. 241,179, dated April 17, 1928. The assignment records of this Office show a transfer of title to this registration to Charles D. Fox, New York, N. Y., who has been substituted for said M. Hirshfield to defend the registration concerned. The notice of such proceeding sent by registered mail to Charles D. Fox, at the said address, having been returned by the post office as undeliverable, notice is hereby given that unless Charles D. Fox, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JUSTIN W. MACKLIN,
First Assistant Commissioner.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING NOVEMBER, 1937

REPUBLIC STEEL CORPORATION *v.* CENTRAL IRON & STEEL COMPANY, Opposition No. 15,069.

In a decision rendered November 8, 1937 (159 Ms. Dec. 1,014), *Assistant Commissioner Frazer* held that Central Iron & Steel Company, of Harrisburg, Pa., is not entitled to register as a trade-mark for alloy steel a mark consisting of the term "Centralloy" in view of the prior use by the Republic Steel Corporation, of Youngstown, Ohio, of the terms "Central Alloy Division" and "Central Alloy District" in association with its own name on labels on its goods.

In the decision, after stating that the Republic Steel Corporation was successor to Central Alloy Steel Corporation and used the above referred to terms on its labels in order to perpetuate the good will of the latter corporation and, noting that the Examiner of Interferences dismissed the opposition on the ground that the opposer had shown no trade-mark use of the words "Central Alloy", the Assistant Commissioner said:

"I do not think that view finds support either in the statute or in the authorities. Section 6 of the Trade-Mark Act provides for opposition by 'any person who believes he would be damaged by the registration of a mark'; and it has frequently been held, both by the Court of Appeals of the District of Columbia and the Court of Customs and Patent Appeals, that this language does not necessarily contemplate the violation of an opposer's trade-mark rights as an element of damage."

He then, after stating that the expressions "Central Alloy Division" and "Central Alloy District" have come to identify as that of opposer the merchandise to which they are applied in advertising, said:

"While I agree with the Examiner of Interferences that such use by opposer of the words 'Central Alloy' has been in no sense a trade-mark use, I cannot escape the conviction that registration to a competitor of these words or their equivalent would result in confusion, and that opposer would probably suffer damage. Upon the record before me, the likelihood seems apparent that a large proportion of prospective purchasers, seeing the trade-mark 'Centralloy' applied to alloy steel products, would assume that such products originated with opposer."

RED STAR YEAST AND PRODUCTS COMPANY *v.* STAR BISCUITS OF AMERICA, INC., Opposition No. 15,331.

In a decision rendered November 8, 1937 (159 Ms. Dec. 1,013), *First Assistant Commissioner Macklin* held that Star Biscuits of America, Inc., of Lowell, Mass., is entitled to register, as a trade-mark for crackers or biscuits, a mark comprising a representation of a star shown in white, but not limited as to color, below which are the representations of ribbons bearing the words "Star Biscuits" and "of America, Inc.," notwithstanding the prior adoption of use by the Red Star Yeast and Products Company of Milwaukee, Wis., of the words "Red Star" and the representation of a star printed in red as a trade-mark for yeast.

In his decision, after noting that the Examiner of Interferences had found that there was a difference between the marks of the parties and considerable difference between the products upon which they are used, and these differences are sufficient to make it seem unlikely that confusion in trade would result, the First Assistant Commissioner said:

"Broadly considered, yeast and crackers and/or biscuits are in my opinion goods of the same descriptive properties. However, they are of markedly different character. The opposer's mark comprises the words 'Red Star' and a representation of a five-pointed star beneath these rather prominently printed words. The applicant's mark comprises a star shown and used as white, but not limited as to color, and above and below which are representations of ribbons bearing the words 'Star Biscuits' and 'of America, Inc.', respectively."

He then, after referring to the decision in *Vick Chemical Co. v. Central City Chemical Co.*, 22 C. C. P. A. 996, 75 Fed.(2d) 517, said:

"I agree with the Examiner of Trade-Mark Interferences that these differences here are cumulative and sufficient to make confusion in trade unlikely."

HENRY SCHNIEWIND, JR., AND IRVING TRUST COMPANY, AS TRUSTEES OF SUSQUEHANNA SILK MILLS, DEBTOR (SUSQUEHANNA SILK MILLS, ASSIGNEE, SUBSTITUTED.) *v.* ROYAL ROBES INC., Opposition No. 15,063.

In a decision rendered November 9, 1937 (159 Ms. Dec. 1,018), *First Assistant Commissioner Macklin* held that Royal Robes Inc., of New York, N. Y., is not entitled to register as a trade-mark for bathrobes, lounging robes, beach robes, lounging gowns, lounging pajamas, smoking jackets and negligees, a mark consisting of the words "Susquehanna Robes by Royal", in association with a pictorial representation of an Indian in a canoe and lines suggesting water in one corner and in another corner a bow and arrow.

The ground of the decision is that the word "Susquehanna" is geographical and that the mark, by reason of inclusion of this word, is confusingly similar to the mark "Suskana" which had been registered for various piece goods and articles of wearing apparel by the predecessors of the opposer.

In his decision, the *First Assistant Commissioner* said:

"The Examiner's holding as to the geographical nature of the word 'Susquehanna' and that it is the predominant word and part of the mark, the spoken word by which the mark would be known, is believed to be correct. I cannot agree with the contention that other features of the mark make it such a composite mark as will take it out of the clause of the statute prohibiting registration of geographical names."

He then, with reference to opposer's right to oppose on the alleged ownership of the three "Suskana" marks, and noting that the registrations of these marks had been renewed by the Susquehanna Silk Mills, as assignee, and that there was in the record a certified copy of an order of the United States District Court for the Southern District of New York directing transfer of property and otherwise providing for carrying out a plan of reorganization, said:

"It seems to show opposer's right to these marks and accordingly its right to be heard as opposer here. I am, therefore, unable to disregard opposer's apparent ownership of these registrations and the presumptions of use which follow from ownership. • • • However, it must be presumed that these trade-marks here are properly renewed, there being no showing to the contrary and on the other hand some showing of the propriety of opposer's present position, as well as the prima facie showing of the copies of the trade-marks themselves, and I find that the opposer at least has the presumption of likelihood of damage from the use of the word 'Susquehanna' for the goods stated."

He then further said:

"It follows, therefore, that the registration of applicant's mark should be refused as consisting primarily of a geographical word, which of itself is sufficient. Further, the concurrent use of the words 'Susquehanna' and 'Suskana' upon goods of the same descriptive properties, and particularly goods of the same character, would likely cause confusion, and for this reason also, the registration should be refused. It becomes unnecessary to pass upon the question of whether the name clause of section 5 also negatives the right of registration, as was held by the Examiner of Trade-Mark Interferences."

KELLY LIQUOR COMPANY *v.* NATIONAL BROKERAGE COMPANY, INC. (PHILIP BLUM & COMPANY, INC., ASSIGNEE, SUBSTITUTED), Trade-Mark Interference No. 2,744.

In a decision rendered November 9, 1937 (159 Ms. Dec. 1,016), *Assistant Commissioner Frazer* held that priority of adoption and use was properly awarded to Philip Blum & Company, Inc., as assignee of National Brokerage Company Inc., of Chicago, Ill., of the notation "Camp Nelson" as a trade-mark for whisky, since the Kelly Liquor Company, of Minneapolis, Minn., had established no actual use of the mark prior to the filing date of the application of the National Brokerage Company and had not established a transfer of the trade-mark rights from its alleged predecessor.

In his decision the Assistant Commissioner, after stating that the only evidence offered to establish a transfer of title was a paper executed by Patrick J. Kelly as president of Kelly Brothers Company and noting that Mr. Kelly is also president of the Kelly Liquor Company and the document recited that there had been a previous transfer to the latter company, said:

"I am clearly of the opinion that the instrument referred to affords no competent evidence in this proceeding that an assignment was made 'on or about September 1, 1934', or at any time prior to the date it bears. The rule here applicable is set forth in 22 Corpus Juris at page 859, as follows:

"'Whether or not a recital in a written instrument has any probative value depends largely upon whether or not the person against whom it is sought to be used is estopped to deny its truth, or has thereby made an admission of some kind; from which it results that while such recitals are competent evidence against parties to the instrument, or their privies, they are not competent as against strangers.'"

And then, noting that that rule had been approved by the Supreme Court and that Mr. Kelly, who was called as witness, had not testified about the assignment and that the Examiner of Interferences pointed out circumstances which he thought would indicate an intention to make the transfer, he said:

"It must be remembered, however, that as junior party Kelly Liquor Company had the burden of proof, and that any doubt created by its own record, or by the absence therefrom of material evidence within its control, must be resolved against it. In reaching the conclusion stated the Examiner appears to have disregarded this rule.

"As Kelly Liquor Company has failed to show an assignment from Kelly Brothers Company earlier than May 26, 1936, and did not begin to use the 'Camp Nelson' trade-mark until October, 1934, which was a year later than the filing date of National Brokerage Company, Inc., it follows that as between these parties the latter was the first to adopt and use the mark. Many other questions are discussed in the briefs, but as what has been said disposes of the case they need not be considered here."

TAMPAX SALES CORPORATION *v.* PAULA A. M. BREESE, Application for Cancellation No. 2,972.

In a decision rendered November 13, 1937 (159 Ms. Dec. 1,022), *First Assistant Commissioner Macklin* held that Paula A. M. Breese, of Woodbury, Long Island, N. Y., is not entitled to register, under the act of 1905, the term "Tampad" as a trade-mark for Absorbent Catamenial Tampons, and that the registration which she had obtained for that mark should be cancelled. The ground of the decision is that the mark is confusingly similar to the term "Tampax", registered by the predecessor in business of the Tampax Sales Corporation, of Denver, Colo., on an application filed prior to any date of use established by Mrs. Breese of the term "Tampad" as a trade-mark.

In his decision the First Assistant Commissioner held that the Examiner of Interferences properly refused to consider testimony taken in another opposition and offered as an exhibit by the Tampax Sales Corporation.

After noting that the Examiner of Interferences had held that the certificate of the trade-mark registration had not been properly introduced in evidence, the First Assistant Commissioner, after noting that a printed copy of the registration had been produced before the Examiner of Interferences, said:

"It seems clear to me that the Patent Office may take proper notice of such a registration to the extent that it is at least a prima facie showing of what it purports to be. The appellee-registrant had due notice in the application for cancellation of this registration and it does not seem proper to ignore this registration for the mere reason that the appellant here failed to formally introduce it as an exhibit, inasmuch as it has been at all times before the parties and the tribunals in this proceeding."

He then, after stating that the appellee, Mrs. Breese, must show trade-mark use to the extent of overcoming the presumption arising from the filing of the application for registration and subsequent registration of the word "Tampax", said:

"Doubtless the best proof of title would have been to produce the assignment and proper testimony pertaining thereto. However, I am persuaded that the applicant-appellee to prevail here must overcome the aforesaid presumption of the registration and presumed use of 'Tampax' for 'sanitary absorbent tampons' at least as early as February 5, 1932."

He then stated that the entire testimony was sufficient to establish that Tampax, Inc., was in existence late in 1931 and had begun trade-mark use of the term "Tampax" prior to February, 1932, and that the testimony of Mrs. Breese was insufficient to show a trade-mark use of the word "Tampad" prior to February 5, 1932, the date on

which the application for the registration of the term "Tampax" was filed, and then said:

"I, therefore, find that the prima facie presumption of the 'Tampax' trade-mark registration should stand and that it has not been overcome by satisfactory testimony of trade-mark use by the appellee Breese, that aside from placing the allegation in issue by the answer filed by the respondent Breese there is no attempt to contradict the statement of the witness Davis, for the appellant, that Tampax Sales Corporation is the successor to Tampax, Inc., registrant of the 'Tampax' trade-mark."

LEVER BROTHERS COMPANY v. TRADERS OIL MILL CO., Opposition No. 15,365.

In a decision rendered November 17, 1937 (159 Ms. Dec. 1,026), *First Assistant Commissioner Macklin* held that Traders Oil Mill Co., of Fort Worth, Tex., is not entitled to register the word "CoFlo" as a trade-mark for partially defatted cooked cottonseed flour in view of the prior adoption and use by Lever Brothers Company, of Cambridge, Mass., of the word "Covo" as a trade-mark for a vegetable shortening composed of cottonseed oil and other vegetable oils. After noting that the Examiner of Trade-Mark Interferences had found in substance that the goods of the parties are specifically different and there are certain differences between the marks so that confusion would not be likely, the First Assistant Commissioner said:

"It seems to me that the goods of the parties, while not identical, are certainly of the same descriptive properties within the meaning of the statute. There is in part at least a common origin, that is, from cotton-seed, and both are used in the making of baked goods. As to the similarity of the marks, the Examiner of Trade-Mark Interferences noted that 'CoFlo' is displayed within a panel and applicant points out that the mark is never used without the enlarged 'F' and the mark being drawn at a slight angle with the horizontal."

He then said:

"It seems clear, however, that the two marks are strikingly similar and sound very much alike, and it seems reasonable to me that there must be a large class of purchasers even of the fifty and one hundred poung packages of such goods who would not be discriminating and who were not necessarily educated English speaking people, and further it seems reasonable that the sale of such products in small packages is a natural development of such business."

And then, after stating that the word "Covo" is not descriptive of the goods and that it would not constitute a substantial distinction to change its spelling or appearance slightly while keeping the sound, said:

"These variations are open to the original user and owner. The nature of the goods and their use are clearly of the same descriptive properties and therefore there seems to be no difference either in the words or in the goods such as could be considered to be cumulative, as was held by the Examiner of Trade-Mark Interferences. 'Covo' is an arbitrary, coined word, and I believe the case distinguishes from such cases • • • (*Anaco Photoproducts, Inc.*, v. *Eastman Kodak Co.*, 19 Fed.(2d) 720, 57 App. D. C. 246; *Kraft-Phenix Cheese Corporation* v. *Von Allmen Preserving Co., Inc.*, 28 U. S. P. Q. 486, 464 O. G. 960; *Lever Bros. Co.* v. *Riodela Chemical Co.*, 41 Fed.(2d) 408, 17 C. C. P. A. 1,272; *Skelly Oil Co.* v. *Powerine Co.*, 24 C. C. P. A. 790, 86 Fed.(2d) 752.) It seems to me that in this case confusion would be inevitable."

EASTMAN KODAK COMPANY, EASTMAN KODAK COMPANY (NEW JERSEY) ASSIGNEE, SUBSTITUTED v. QUALTOP BEVERAGES, INC., Opposition No. 15,865.

In a decision rendered November 24, 1937 (159 Ms. Dec. 1,029), *First Assistant Commissioner Macklin* held that Qualtop Beverages, Inc., of Rochester, N. Y., is not entitled to register the term "Kodak City" as a trade-mark for nonalcoholic, noncereal, maltless beverages sold as soft drinks in view of the use by Eastman Kodak Company of Rochester, N. Y., of the term "Kodak" as a trade-mark for various organic chemicals used as ingredients in soft drinks.

In his decision, after noting that the Examiner of Interferences had found the record did not show that either party dealt in merchandise sold by the other and that he was aware of no trade-mark practice which would justify the assumption that the same traders handled the same classes of goods, the First Assistant Commissioner said:

"I think, however, that the opposer has made a fair showing under the confusion in trade clause, as well as the name clause of section 5 of the Trade-Mark Act. It is common knowledge that its kodak supplies are sold in many kinds of retail establishments. Everyone who has bought photographic equipment has seen that equipment displayed in drug stores, soda fountains, confectionery and drink stands and the like. It seems to me that the use of 'Kodak City' by the applicant upon a soft drink would inevitably raise the question whether the word 'Kodak' applied to such soft drinks was an authorized use as a part of the business of the Kodak Company."

Then, after referring to the argument for the applicant that there was no rational basis for holding the goods to be of the same descriptive property and no ground upon which confusion may be predicated, he said:

"I find, however, that the manufacture and sale of the numerous chemicals by the Eastman Kodak Company since 1920 and 1925, and actual use of these chemicals by it for purposes of soft drinks, do meet the requirement of their being goods of the same descriptive properties, and I find that the word 'Kodak' has accompanied the products of the Kodak Company on such goods."

He then said:

"Consideration of this case from the wide variety of practical standpoints, in view of the outstanding character of this well known, arbitrary mark, and of the decisions cited by the parties, and particularly attempts to apply the decisions cited by the applicant, leads me to the conclusion that this applicant should not be allowed to register the word 'Kodak', with or without the additional word 'City', and for the reasons above stated I find that the requirements of the statute are met in respect to confusion in trade and similarity of goods."

EX PARTE NATIONAL RESEARCH PRODUCTS COMPANY, Serial No. 371,036.

In a decision rendered November 26, 1937 (159 Ms. Dec. 1,033), *First Assistant Commissioner Macklin* held that the National Research Products Company, of Springfield, N. J., is not entitled to register, under the act of 1905, the term "Asmatone" as a trade-mark for asthma and hay fever capsules in view of the prior registration to another of the term "Asthma-Tol" as applied to an asthma medicine.

After noting applicant's argument that the term "Asthma" is descriptive of the goods here involved and that in determining whether applicant's mark is registrable one must look to the differences in the marks and referring to the decision in *Kraft-Phenix Cheese Corporation* v. *Von Allmen Preserving Co., Inc.*, 28 U. S. P. Q. 486, 464 O. G. 960, in which "Magic Mix" and "Miracle Whip" were held to be similar, he said:

"I think there is a definite distinction between this and cases such as that involving 'Magic Mix' and 'Miracle Whip' where the mark involved is not descriptive but is arbitrary and merely suggestive, in that in such cases as the one cited a greater difference is likely to be necessary to avoid confusion that where the earlier registrant has simply added something to the natural usual English descriptive word relating to his product.

• • • • • • •

"In the present case the similarity between the two marks results from the use of the word 'Asthma'. The applicant merely shortens the word and adds 'Tone'. The earlier registered mark adds 'Tol' to the word 'Asthma'. The resulting words 'Asmatone' and 'Asthma-Tol' seem so close that registration of 'Asmatone' is precluded by that portion of section 5 of the statute which says, '. . . or which so nearly resemble a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be registered.'"

EX PARTE COMPANIA RON DAIQUIRI, S. A., Serial No. 387,433.

In a decision rendered November 29, 1937 (159 Ms. Dec. 1,037), *Assistant Commissioner Frazer* held the Compania Ron Daiquiri, S. A., of Habana, Cuba, is not entitled to register, under the act of March, 1920, the term "Daiquiri" as a trade-mark for rum. The ground of the decision is that the mark is confusingly similar to certain registered marks consisting of the words "Daiquiri Bacardi" and "Bacardi Daiquiri". The ground of the decision is that the goods are the same and the marks are confusingly similar.

With reference to applicant's argument that the registrant has no exclusive right to the word "Daiquiri" because it is descriptive and has in effect been disclaimed, the Assistant Commissioner said:

"Assuming that to be true, the fact remains that it forms a part of the registered marks and must be so considered in determining the question of confusing similarity. *Joseph Tetley & Co.* v. *Bay State Fishing Co.*, 23 C. C. P. A. 969, 82 Fed.(2d) 299."

With reference to applicant's argument that there can be no refusal to register a mark under the act of 1920 merely because of a prior registration but it must be shown that the mark was actually used in trade, the Assistant Commissioner said:

"In this connection counsel submits a copy of a paper filed by the registrant in an opposition proceeding in which one of the registered marks was involved, and seeks to have the statements there made construed as an admission that no such use of the mark has occurred. I do not find it necessary to determine the meaning or effect of the paper referred to, because so long as the marks remain on the register it is my opinion that they stand as a bar to the registration, under either act, of confusingly similar marks for goods of the same descriptive properties as those to which they are appropriated. The construction of the statute for which counsel contends might often result in the very confusion which it was intended to prevent."

EX PARTE THE AMERICAN INSTITUTE OF REFRIGERATION, Serial No. 372,231.

In a decision rendered November 29, 1937 (159 Ms. Dec. 1,036), *Assistant Commissioner Frazer* held that The American Institute of Refrigeration, of Chicago, Ill., is not entitled to register, under the act of 1905, as a trade-mark for tags a mark consisting of the representation of a circular seal having printed thereon the words "Certified Cold Storage Vaults" and "American Institute of Refrigeration" where this mark was displayed on tags designed to be placed on an article which had been stored as a guarantee to the owner that the article was stored in a certified cold storage vault, the Assistant Commissioner said:

"Obviously the mark sought to be registered is descriptive of the cold storage vaults to which it refers, and would necessarily be so understood by the public. For that reason I am constrained to agree with the Examiner that it can have no trade-mark significance as applied to applicant's tags. The mark is a constituent part of the tag itself, and serves no other purpose."

THE ANACIN COMPANY v. THE WM. S. MERRELL COMPANY, Opposition No. 15,051.

In a decision rendered November 29, 1937 (159 Ms. Dec. 1,039), *Assistant Commissioner Frazer* held that Wm. S. Merrell Company, of Cincinnati, Ohio, is not entitled to register the word "Alycin" as a trade-mark for a preparation for the treatment of common colds, neuralgia, rheumatism, and the like, in view of the prior adoption and use by the Anacin Company, of Chicago, Ill., of the term "Anacin" as a trade-mark for a medicinal preparation for internal use for the treatment of headache, neuralgia, etc. In his decision, after discussing the testimony relating to use by the opposer, the Assistant Commissioner said:

"Opposer having thus shown its own use to have commenced at least a month earlier than any use established by applicant, and there being no serious dispute as to the similarity of the two marks, the only remaining question in issue between the parties is whether or not their goods are of the same descriptive properties within the meaning of the Trade-Mark Act."

Then, after noting applicant's argument based on the grounds that its preparation is an ethical remedy sold only on physicians' prescriptions while the goods of the opposer is a nonethical remedy, the Assistant Commissioner said:

"I am unable to agree with applicant's conclusion. As pointed out by the Examiner, applicant may change its trade practices at will; and while its product has not yet been marketed in a form to permit of self-administration, it is 'a matter of common knowledge that pharmaceutical preparations may at the commencement of their use in trade be restricted to prescription by physicians, but later may also be sold over the counter without such a prescription.' Moreover, while differences in methods of sale and in the classes of purchasers sought to be reached are doubtless of importance in determining the likelihood of confusion, I do not think these considerations alone are sufficient to warrant the conclusion that items so nearly identical in their essential characteristics as are those here involved do not in fact possess the same descriptive properties."

He then, after noting that the opposer had made of record two registrations of the word "Anacin" and had unsuccessfully tried to prove that they owned them, said:

"• • • One of these registrations, issued November 19, 1918, and covering the specific goods in which opposer deals, was held by the Examiner of Interferences to be a bar to the registration of applicant's mark 'regardless of whether or not the opposer's proofs support its claim of ownership thereof.' Complaint is made of this ruling, but I think it was clearly right. It is well established that in an opposition proceeding the Examiner of Interferences is charged with the duty of determining the registrability of an applicant's mark irrespective of the grounds of opposition, and that in doing so resort may be had to third party registrations of marks considered to be confusingly simulated. *California Canneries Co.* v. *Lush'us Products Co.*, 18 C. C. P. A. 1,480, 49 Fed.(2d) 1,044."

C. E. LANGFIELD v. JAMES S. BRADY, Opposition No. 15,615.

In a decision rendered November 29, 1937 (159 Ms. Dec. 1,034), *Assistant Commissioner Frazer* held that James S. Brady, of Kenmore, N. Y., is entitled to register the term "Solvoline", as a trade-mark for nonexplosive dry cleaning fluid notwithstanding the prior adoption, use and registration

by C. E. Langfield, of Northville, Mich., of the term "Solvite" as a trade-mark for a dry cleaning soap. In his decision the Assistant Commissioner said:

"Applicant's dry cleaning fluid and opposer's dry cleaning soap are unquestionably 'merchandise of the same descriptive properties', but they are nevertheless widely different in many of their essential characteristics. One is a liquid; the other a paste. The fluid is ready for use when purchased; the soap must first be dissolved in naphtha or gasoline. While it is perhaps possible that the two products could be used together, there is no evidence that they ever have been so used, nor is any reason suggested why they ever should be.

"As the goods of applicant and those of opposer are not the same, I think their marks are sufficiently dissimilar as to insure against any reasonable likelihood of confusion."

Then, after referring to the decision of the Court of Customs and Patent Appeals in *Vick Chemical Co.* v. *Thomas Kerfoot & Co.*, 23 C. C. P. A. 752, 80 Fed. (2d) 73, in which it was held that the term "Vapex" applied to an inhalant for the relief of head colds was not confusingly similar to the term "Vaporub" as applied to a rubifacient salve for the treatment of colds, he said:

"Manifestly there is as much difference between the words 'Solvite' and 'Solvoline' as there is between the words 'Vapex' and 'Vaporub', and as much difference between the two dry cleaning products of the instant case as between the two cold remedies with which the latter marks were used. It seems to me that the two cases are substantially parallel both as to marks and goods, and that the cited case lends ample support to the conclusion I have reached."

EX PARTE THE KILGORE MANUFACTURING COMPANY, Serial No. 349,015.

In a decision rendered November 30, 1937 (159 MS. Dec. 1,036), *Assistant Commissioner Frazer* held that The Kilgore Manufacturing Company, of Westerville, Ohio, is not entitled to register, under the act of 1920, the words "Six Shooter" as a trade-mark for toy pistols.

The ground of the decision is that the term could not function as a trade-mark for the goods specified.

In his decision the Assistant Commissioner said:

"I think registration was properly refused. While descriptive marks may be registered under the 1920 act, it does not follow that the mere name of a particular article is registrable as a trade-mark for use with that article; and it seems to me that when a toy is made in simulation of some common device, such as a firearm, the toy quite naturally becomes known to the public by the name of the simulated device, even though the toy may have no practical utility. In other words, I do not think the expression sought to be registered is any more capable of trade-mark significance than if it were 'toy six shooter.' A toy piano can rarely be played, nor will a toy automobile usually run, yet 'piano' and 'automobile' are certainly the names of such toys. So here 'six shooter' is the name of applicant's product, and would be so considered by purchasers."

RAZALON CORPORATION v. PIERRE AMOUROUX, INC., Opposition No. 15,938.

In a decision rendered November 30, 1937 (159 MS. Dec. 1,042), *Assistant Commissioner Frazer* held that Pierre Amouroux, Inc., of New York, N. Y., is not entitled to register the words "Rasoline Molinard" as a trade-mark for shaving cream in view of the prior adoption, use and registration by the Razalon Corporation, of New York, N. Y., of the term "Razalon" as a trade-mark for a beard softener.

In his decision, after noting that the Examiner of Interferences held the two marks as applied to the respective goods confusingly similar, the applicant's only contention was that the marks are not confusingly similar, the Assistant Commissioner said:

"Applicant's mark, as shown on the drawing and on the specimen labels, displays the word 'Rasoline' above the word 'Molinard' and in substantially larger type, with a considerable space separating the two words. This arrangement accentuates the first word, and renders the probability of confusion greater, perhaps, than it would be otherwise. Quite independently of that circumstance, however, I am convinced that the marks 'Razalon' and 'Rasoline Molinard' are too nearly alike to be used without confusion on goods so closely related as are those of the present parties."

TRADE-MARKS

OFFICIAL GAZETTE, DECEMBER 28, 1937

[VOL. 485. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly Prepared Materials

Ser. No. 399,122. BACMO POSTMAN CORPORATION, New York, N. Y. Filed Oct. 30, 1937.



The word "Berbera" is disclaimed apart from the mark.

For Glove Leather.

Claims use since January, 1937.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 389,648. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Mar. 4, 1937.

ELEK-TRO-CUT

The word "Cut" is disclaimed apart from the mark.

For Abrasive Cloth, Abrasive Paper, Abrasive Belts, Abrasive Sleeves, and Abrasive Disks.

Claims use since August, 1933.

Ser. No. 394,071. WILKEY LABORATORIES, INC., Chicago, Ill. Filed June 14, 1937.

KA-BO

For Shoe Dressings, Shoe Polishes, Shoe Cleaners, Polishing Waxes for Shoes, and Shoe Creams.

Claims use since Feb. 10, 1914.

Ser. No. 394,926. FREDERICK J. WUESTHOFF, Berkeley, Calif. Filed July 6, 1937.

SCOUR PUSS

The word "Scour" is disclaimed apart from the mark.

For Scouring Pads Containing Soft Rubber and Steel Wool Vulcanized Together as a Unit.

Claims use since Jan. 3, 1937.

Ser. No. 396,793. HAROLD G. VALENTINE, doing business as H. G. Valentine Co., Randolph, Mass. Filed Aug. 26, 1937.



The drawing is lined for green and black.

For Compositions Which Are Cleaners for Automobiles, Metals, Glass, Leather, and Wood, Said Compositions Also Having Polishing Properties.

Claims use since May 1, 1936.

Ser. No. 397,350. WALGREEN CO., Chicago, Ill. Filed Sept. 11, 1937.



For Toilet Preparations—Namely, Shaving Cream, Soap, and the Like.

Claims use since Oct. 7, 1937.

Ser. No. 397,569. BLOOMINGDALE BROS., INC., New York, N. Y. Filed Sept. 20, 1937.

GLOPANE

For Window Cleaning Preparation.
Claims use since Aug. 6, 1937.

Ser. No. 397,977. J. A. M. LEWIS, doing business as Silverlite Products Company, Denver, Colo. Filed Sept. 30, 1937.

SILVERLITE

For Razor Hone.
Claims use since Jan. 1, 1932.

CLASS 5

Adhesives

Ser. No. 392,798. INTER-COASTAL PAINT CORP., East St. Louis, Ill. Filed May 15, 1937.

INCO

For Rubber Cement Used as an Adhesive.
Claims use since Feb. 2, 1937.

Ser. No. 398,761. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 21, 1937.

MIMEOGRAPH

For Cement for Mounting Stencils and Stencil Sheets.
Claims use since July 24, 1933.

Ser. No. 399,891. HEALEY, SEAVER COMPANY, Boston, Mass. Filed Nov. 18, 1937.

DU-AL

For Adhesives Having a Dextrine Base.
Claims use since Aug. 16, 1937.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 383,556. ROSE WEBER, Chicago, Ill. Filed Sept. 23, 1936.

Road to Radiance

For Cosmetics—Namely, Deodorants, Eye Washes, Dentifrices, Face Powder, Tinting Powder, Talcum Powder, Sachet Powder, Lipsticks, Mascara, Brilliantine, Eye Shadow, Bath Softener, Nail Polish, Liquid Cleansing Cream, Face Creams, Tissue Creams, Body Lotion, and Hand Lotion.
Claims use since June 20, 1934.

Ser. No. 385,348. MARTIN DE BOTELHO, New York, N. Y. Filed Nov. 10, 1936.

PRINCE GEORGE
OF RUSSIA

The words "Prince George of Russia" are disclaimed apart from the mark.
For Toilet Water and Perfume.
Claims use since Sept. 1, 1936.

Ser. No. 389,024. HEALTH RESEARCH FOUNDATION, Ann Arbor, Mich. Filed Feb. 17, 1937.



The words "Standard Vitamins" are disclaimed apart from the mark. The drawing is lined for red and black.
For Vitamin Tablet.
Claims use since May, 1933.

Ser. No. 392,625. IVY-DENE PRODUCTS COMPANY, Ithaca, N. Y. Filed May 11, 1937.



The drawing is lined for green and black.
For Preparation for the Strengthening of Manufactured Silk Goods.
Claims use since Apr. 20, 1937.

Ser. No. 393,217. HERCULES GLUE COMPANY, San Francisco, Calif. Filed May 25, 1937.

MULTI-FILM

The word "Film" is disclaimed except as shown.
For Insecticidal Compositions, More Particularly Spreaders for Insecticides Such as Astringent Lead Arsenate.
Claims use since Apr. 15, 1937.

Ser. No. 393,774. ANDREW MCNALLY, Wilmar, Calif. Filed June 7, 1937.

FYFFE'S



SOORA-ADMEE

The word "Fyffe's" is disclaimed apart from the mark.
For Liniment for Diabetic Rheumatism, Lumbago, Aches and Sprains, and Athlete's Foot.
Claims use since May, 1937.

Ser. No. 395,135. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Filed July 12, 1937.

ANOGEL

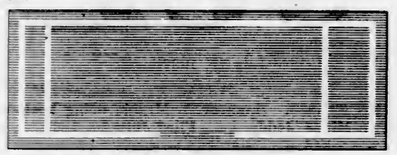
For Granular Preparation To Be Used as a Physiological and Mechanical Treatment of Chronic Constipation.
Claims use since February, 1936.

Ser. No. 395,276. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed July 16, 1937.



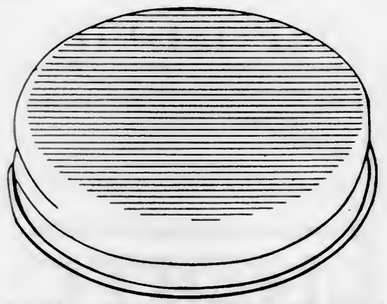
The mark consists of a blue disk or spot applied to one face of the container. No claim is made to the representation of a carton.
For Petroleum Jelly.
Claims use since 1907.

Ser. No. 395,277. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed July 16, 1937.



The mark consists of white lines disposed upon a blue field of rectangular form. No claim is made to the representation of a label.
For Petroleum Jelly.
Claims use since 1906.

Ser. No. 395,278. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed July 16, 1937.



The mark consists of a blue spot or disk applied centrally to the top of cover or cap of the container and having a white band surrounding the spot or disk. No claim is made to the representation of a cap.
For Petroleum Jelly and Preparation Thereof, and Pomade.
Claims use since 1902.

Ser. No. 395,279. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y. Filed July 16, 1937.



The mark consists of a blue disk applied centrally to the top of the container and a blue rectangular panel applied to the lower circumference of the container. No claim is made to the representation of a bottle.

For Petroleum Jelly.

Claims use since 1906.

Ser. No. 395,582. MARINELLO CORPORATION, New York, N. Y. Filed July 23, 1937.

SUZ

For Hair Shampoo.

Claims use since July 15, 1937.

Ser. No. 395,833. HARRIET A. MINOR, doing business as H. A. Minor, Jeddo, Pa. Filed July 30, 1937.



For Deodorizer Preparation for Refrigerators.

Claims use since July 20, 1937.

Ser. No. 396,774. GEORGE HAUGWITZ, Brooklyn, N. Y. Filed Aug. 26, 1937.

DEPOSULIN

For Liquid Pharmaceutical Preparation of Insulin and Hormone Extract Medically Used in the Treatment of Diabetes, Nervous Diseases, and in General in Every Case Where Insulin is Usable.

Claims use since Aug. 19, 1937.

Ser. No. 396,859. FRANK MIRRER, Brooklyn, N. Y. Filed Aug. 28, 1937.

FURITE

For Preparation for the Treatment of Athlete's Foot.

Claims use since June, 1932.

Ser. No. 397,172. THE BARRETT COMPANY, New York, N. Y. Filed Sept. 7, 1937. Under section 5b of the act of 1905 as amended in 1920.

Barrett

For Germicides, Fungicides, Insecticides, Disinfectants, Preservatives for Wood and Analogous Materials, Creosote Oil and Other Derivatives and Oil Distillates of Coal Tar, Hydrocarbon Solvent Oils, Oils for Use in Ore Flotation, Compositions Used in the Processing and Treatment of Rubber, Synthetic Tanning Extract; Organic Chemicals as Follows: Crude and Refined Cresylic Acid, Naphthalene, Cresol, Chlor-Cresol, Phenol, Xylenol, Chlor-Xylenol, Benzol, Toluol, Xylol, Naphtha, Crude and Refined Pyridine, Alpha Picoline, Quinoline, and Tar Acid Oils.

Claims use on germicides, fungicides, insecticides, disinfectants, preservatives, creosote oil, other oils, derivatives of tar and organic chemicals since about 1906; on compositions used in the processing and treatment of rubber since about 1920; and on synthetic tanning extract since about 1921.

Ser. No. 397,219. MASCHINEN- & APPARATE-BAUANSTALT HANS LANGEN, München Gladbach, Germany. Filed Sept. 8, 1937.

Conditionol

For Yarn Wetting Agents.

Claims use since July 14, 1937.

Ser. No. 397,327. COLE CHEMICAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Sept. 11, 1937.

MYRTICRINE

For Pharmaceutical Preparation for the Treatment of Diabetes.

Claims use since Aug. 24, 1937.

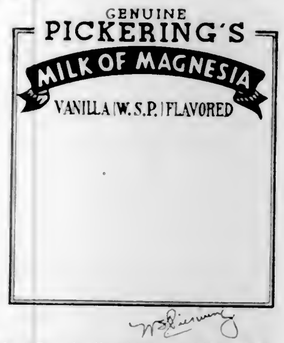
Ser. No. 397,479. NATIONAL COSMETICS, INC., Chicago, Ill. Filed Sept. 16, 1937.

MODERN EYES

For Cosmetic Preparations Suitable for the Darkening of Eye Lashes and Eye Brows—Namely, Mascara.

Claims use since July 27, 1937.

Ser. No. 397,484. WILEY S. PICKERING, doing business as Druggist Laboratories, New Orleans, La. Filed Sept. 16, 1937.



The words "Genuine", "Milk of Magnesia", "Vanilla", and "Flavored" are disclaimed apart from the mark. The facsimile signature is that of the applicant.

For Milk of Magnesia.

Claims use since Aug. 1, 1937.

Ser. No. 397,782. VITAMINS PLUS INCORPORATED, New York, N. Y. Filed Sept. 24, 1937.

VITAMINS Plus

The word "Vitamins" is disclaimed apart from the mark.

For Capsules Containing Vitaminic Preparations.

Claims use since Aug. 20, 1937.

Ser. No. 397,915. G. D. SEARLE & CO., Chicago, Ill. Filed Sept. 28, 1937.

SODIUM PSYLLIATE

The word "Sodium" is disclaimed apart from the mark.

For Medicinal Preparation for Use in Producing Tissue Irritation, and Fibrous Tissue Proliferation.

Claims use since Mar. 3, 1936.

Ser. No. 398,018. MILTON RAY COMPANY, Minneapolis, Minn. Filed Oct. 1, 1937.



For Tooth Paste, Tooth Powders, Mouth Washes, Hair Tonics, Stomach Powders and Tablets, After Shaving Lotions, Toilet Water, Face Powders, Astringents, Wave Set, Face Creams, Rouge, Skin Ointments, Cold Cream, Lipstick, Hair Dressing, Pain Relieving Compounds, Halibut Liver Oil Capsules, Brewers' Yeast Tablets, Aspirin Tablets, Medicinal Mineral Oil, Cod Liver Oil, Cough Syrup, and Vitamin A B D Capsules.

Claims use since June 23, 1936.

Ser. No. 398,032. BAR-JE, INC., Chicago, Ill. Filed Oct. 2, 1937.

Bar-Té

For Cleansing Creams, Tissue Creams, Finishing Creams, and Hand Creams.

Claims use since Sept. 15, 1937.

Ser. No. 398,039. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Oct. 2, 1937.

TubTone

For Water Softener.

Claims use since July 9, 1937.

Ser. No. 398,070. ANDREW WILSON, INC., Springfield, N. J. Filed Oct. 2, 1937.

JAP-RO-CIDE

For Insecticide Especially Adapted for Japanese Beetles.

Claims use since July 18, 1936.

Ser. No. 398,293. S. M. A. CORPORATION, Cleveland, Ohio. Filed Oct. 8, 1937.

B-plex

The letter "B" is disclaimed apart from the mark.

For Highly Potent Concentrate, in Liquid Form, of the Vitamin B Complex.

Claims use since Oct. 1, 1937.

Ser. No. 398,330. ALFRED TORK, doing business as The Exhumat Company, Topeka, Kans. Filed Oct. 9, 1937.

EXHUMAT

For Pharmaceutical Preparation for Internal Use as a Tonic.

Claims use since Sept. 1, 1937.

Ser. No. 398,364. MENASHA PRODUCTS COMPANY, Menasha, Wis. Filed Oct. 11, 1937.

PARAWELD

For Thermoplastic Compositions Comprising Wax and Rubber for Forming Self-Sustaining Films, Coatings on Surfaces or Sheet Materials, as a Laminating Bond for Materials, and General Uses for Heat Sealing Purposes.
Claims use since Sept. 16, 1937.

Ser. No. 398,406. PILOPAX COMPANY, Hackensack, N. J. Filed Oct. 12, 1937.

PILOPAX

PILOPAX

For Medicinal Preparation for the Relief of Piles.
Claims use since January, 1931.

Ser. No. 398,479. FRIEDRICH MERZ, doing business as Merz & Co., Frankfort-on-the-Main, Germany. Filed Oct. 14, 1937.

Serolube

For Preparation in Salve, Liquid, and Tablet Form Used as a Disinfectant, Germicidal, and as a General Antiseptic, and Insecticides and Food Preservatives.
Claims use since July 1, 1937.

Ser. No. 398,538. INECTO, INC., New York, N. Y. Filed Oct. 15, 1937.

LOXOL

For Hair Treating Preparations, Including Hair Washing Articles, Hair Oils, Oil Shampoo Tints, and Hair Dyes.
Claims use since Oct. 12, 1937.

Ser. No. 398,695. WILLIAM D. WILLIAMS, doing business as Vi-Ken Mineral Products Company, Covington, Ky. Filed Oct. 19, 1937.

Vi-Ken

For Prepared Mineral Preparation or Compound of Organic and Inorganic Mineral Constituents, Including Calcium Carbonate, Disodium Phosphate, Magnesium Phosphate, Sodium Chloride, Sulpher and Ferrous Sulphate, Recommended for All Ailments Caused by Faulty Elimination Such as Arthritis, Neuritis, Rheumatism, Etc.
Claims use since Sept. 1, 1937.

Ser. No. 398,867. JOHN WYETH AND BROTHER, INCORPORATED, Philadelphia, Pa. Filed Oct. 23, 1937.

EDRYL

For Medicinal Preparation for Treatment of Nasal Congestion.
Claims use since Oct. 1, 1937.

Ser. No. 398,882. ARFITZ PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 25, 1937.

ALVANA

For Skin Lotion, Nail Polish, and Nail Polish Remover.
Claims use since Mar. 10, 1937.

Ser. No. 398,908. RAMA S. LAHORI, Chicago, Ill. Filed Oct. 25, 1937.

"LUKMA"

For Herb Compound Tonic and Laxative.
Claims use since Sept. 1, 1937.

Ser. No. 398,952. JAMES L. YOUNGHUSBAND, Chicago, Ill. Filed Oct. 25, 1937.

DISSIPATION

For Lipsticks, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hands and Face, Preparations for Skin, Hair, and Finger Nails, and Perfumes.
Claims use since Oct. 1, 1936.

Ser. No. 398,977. VICK CHEMICAL COMPANY, New York, N. Y. Filed Oct. 26, 1937.

CADOC

For Analgesic Tablets.
Claims use since Oct. 15, 1937.

Ser. No. 399,024. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y. Filed Oct. 28, 1937.

AMANTHOL

For Dyestuffs.
Claims use since Oct. 12, 1937.

CLASS 12

Construction Materials

Ser. No. 385,679. THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Nov. 18, 1936.

CROWN

For Dry and Plastic Refractory High Temperature Cement.
Claims use since May 5, 1933.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 397,775. SERR MANUFACTURING COMPANY, New York, N. Y. Filed Sept. 24, 1937.

Poachskell

For Steam Egg Poachers Made of Aluminum Metal or Other Base Metals.
Claims use since June 25, 1937.

CLASS 15

Oils and Greases

Ser. No. 398,693. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Oct. 19, 1937.



For Lubricating Oils and Petroleum Engine Fuels.
Claims use since June 15, 1934, and since Jan. 1, 1933, respectively.

CLASS 16

Paints and Painters' Materials

Ser. No. 398,347. SAM BURKHOLDER, Sedgwick, Kans. Filed Oct. 11, 1937.



The word "Paint" is disclaimed apart from the mark.
For Ready Mixed Paint.
Claims use since Dec. 1, 1936.

Ser. No. 399,268. CHURCH AID SOCIETY, Meadville, Pa. Filed Nov. 3, 1937.

FURNICURE

For Furniture Polish.
Claims use since Oct. 25, 1937.

CLASS 17

Tobacco Products

Ser. No. 391,374. BURTON-MARSHALL CORP., New York, N. Y. Filed Apr. 15, 1937.

Rums

For Cigarettes.
Claims use since March, 1936.

Ser. No. 399,192. R. H. MACY & CO., INC., New York, N. Y. Filed Nov. 1, 1937. Under section 5b of the act of 1905 as amended in 1920.

MACY'S

For Cigars.
Claims use since 1902.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 397,880. EDGAR STREIFTHAU, doing business as Streifthau Manufacturing Company, Middletown, Ohio. Filed Sept 27, 1937.

SACHS

For Motor Powered Bicycle.
Claims use since Nov. 10, 1936.

Ser. No. 398,107. HUDSON MOTOR CAR COMPANY, Detroit, Mich. Filed Oct. 4, 1937.

HUDSON TERRAPLANE

The word "Hudson" is disclaimed apart from the mark.
For Passenger Automobiles.
Claims use since Aug. 19, 1937.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 398,125. PARAMOUNT PAPER TUBE COMPANY, Fort Wayne, Ind. Filed Oct. 4, 1937.

PARAMOUNT

The representation of the tube is disclaimed apart from the word "Paramount."
For Paper Tubing Used in the Manufacture of Magnet Coils and Other Electrical Apparatus.
Claims use since September, 1933.

Ser. No. 398,325. PRESTO ELECTRIC CO., INC., New York, N. Y. Filed Oct. 9, 1937.

LECTRO CHIME

The word "Chime" is disclaimed except as shown.
For Electrically Operated Signals Specifically Chimes Operated by Electrical Impulses.
Claims use since Sept. 7, 1937.

Ser. No. 398,350. ELECTRIC SERVICE ENGINEERING COMPANY, Chicago, Ill. Filed Oct. 11, 1937.

Eseco

For Switchboards and Equipment Therefor, Including Voltage Stabilizers and Rheostats, and Parts Therefor.
Claims use since June 1, 1912.

Ser. No. 399,054. NATIONAL BATTERY COMPANY, St. Paul, Minn. Filed Oct. 28, 1937.

LIFETIME

For Storage Batteries.
Claims use since Aug. 6, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 391,734. VIRGINIA STOWE AUSTIN, Los Angeles, Calif. Filed Apr. 23, 1937.

"CLIPPO"



For Doll or Similar Article or Marionette (or Puppet) or Similar Article.
Claims use since Oct. 29, 1936.

Ser. No. 395,623. CARTER N. PADEN, doing business as Kontinental Kangaroo Company, Atlanta, Ga. Filed July 24, 1937.



KONTINENTAL KANGAROO

The representation of a game board is disclaimed apart from the mark.
For Table Game—Namely, a Board Game Played with Movable Pieces.
Claims use since June 23, 1937.

Ser. No. 398,594. GEORGE L. SCHANZ, Mount Vernon, N. Y. Filed Oct. 16, 1937.

COCKTAIL GOLF

The word "Golf" is disclaimed apart from the word "Cocktail".
For Indoor Golf Game Including Artificial Greens, Holes, Sand Traps, and Suitable Clubs and Balls.
Claims use since Sept. 4, 1937.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 395,114. THE VILLAGE BLACKSMITH FOLKS, Watertown, Wis. Filed July 12, 1937.

H/G

For Hollow Ground Butchers' Knives, Cooks' Knives, Household Knives, Cleavers, Choppers, Grass Hooks, Grasnips, Hedge Shears, Grass Shears, and Weed Cutters.
Claims use since Mar. 15, 1936.

Ser. No. 396,541. MANESTY MACHINES LIMITED, Liverpool, England. Filed Aug. 18, 1937.

MANESTY

For Tablet Making and Coating Machines and Mixers, Granulators, Mills, Presses, and Stills for Use in the Manufacture of Chemical and Pharmaceutical Products.
Claims use since Mar. 1, 1935.

Ser. No. 398,215. PEORIA STEEL & WIRE COMPANY, Peoria, Ill. Filed Oct. 6, 1937.

PARAMOUNT

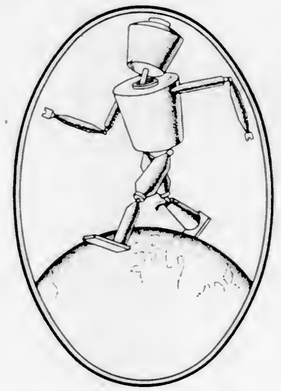
For Portable Spreaders for Spreading and Distributing Fertilizing Materials for Soil Correction and Improvement and Surfacing Materials for Street and Highway Surfacing.
Claims use since Sept. 10, 1937.

Ser. No. 398,333. UNIVERSAL PARTS, INC., Chicago, Ill. Filed Oct. 9, 1937.

Silver Streak

For Mufflers for Internal Combustion Engines.
Claims use since Sept. 8, 1937.

Ser. No. 398,334. UNIVERSAL WINDING COMPANY, Cranston, R. I., and Boston, Mass. Filed Oct. 9, 1937.



For Machines, Apparatus, and Parts Thereof for Winding and Handling Thread, Yarn, Cord, Twine, Rope, Wire, and the like.
Claims use since May 1, 1937.

Ser. No. 398,361. LINOGRAPH CORPORATION, Davenport, Iowa. Filed Oct. 11, 1937.

LINOGRAPH

For Machines for Composing Matrices, Type-Setting, Type-Casting, and Line-Casting, and Parts Thereof.
Claims use since July 15, 1913.

Ser. No. 399,037. A. B. DICK COMPANY, Chicago, Ill. Filed Oct. 28, 1937.

MIMEOGRAPH

For Interleavers for Duplicating Machines.
Claims use since Oct. 22, 1937.

Ser. No. 399,158. ULRICH MANUFACTURING COMPANY, Shelbyville, Ill. Filed Oct. 30, 1937.



For Piston Expander and a Piston Drill Guide Block.
Claims use since July 14, 1937.

Ser. No. 399,159. ULRICH MANUFACTURING COMPANY, Shelbyville, Ill. Filed Oct. 30, 1937.

powerflo

For Piston Expander and a Piston Drill Guide Block.
Claims use since July 14, 1937.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 397,866. PRECISION METERS LIMITED, London, England. Filed Sept. 27, 1937.

VICTORY

For Meters for Measuring Liquids.
Claims use since Aug. 29, 1935.

Ser. No. 398,417. MONOGRAM PICTURES CORPORATION, New York, N. Y. Filed Oct. 13, 1937.



The word "Pictures" is disclaimed.
For Motion Picture Films.
Claims use since Sept. 1, 1923.

Ser. No. 399,123. BRIDGEPORT THERMOSTAT COMPANY, INC., Bridgeport, Conn. Filed Oct. 30, 1937.

Aristocrat

For Thermostat Controls for Automobile Heaters.
Claims use since Sept. 18, 1936.

Ser. No. 399,257. TRANS LUX CORPORATION, New York, N. Y. Filed Nov. 2, 1937.

TRANS-LUX

For Rear Projection Screens, Optical Projection Equipment—Namely, Stereopticons, Stereopticon Slides, Lenses, Lens Holders and Lens Mounts, Moving Picture Film, Sound Film, Combined Picture and Sound Film; Moving Picture Projection Apparatus and Parts Thereof—Namely, Film Trap Assemblies, Film Feeding and/or Guiding Devices, Film Magazines, Miscellaneous Equipment for Projection Apparatus; Projector Cabinets; Screen Frames; Screen Cabinets; Sound Reproducing Equipment; Amplifiers; Loud Speaker Units; Synchronous Sound-Picture Reproducing Equipment; Stock Ticker Projectors for the Recording of Stock Quotations on Film and the Projection Thereof Upon a Screen; and Machines for Projection From Opaque Media Upon a Screen.
Claims use since Dec. 15, 1911.

CLASS 32

Furniture and Upholstery

Ser. No. 397,161. LITTLE ROCK TENT & AWNING COMPANY, Little Rock, Ark. Filed Aug. 26, 1937.



Applicant disclaims all wording except "Pioneer" and "Little Rock Tent & Awning Company".
For Venetian Blinds.
Claims use since June 1, 1937.

CLASS 33

Glassware

Ser. No. 397,334. GENERAL MILLS, INC., Minneapolis, Minn. Filed Sept. 11, 1937.

PATIO

For Glassware, Particularly Tea Cups, Sugar Bowls, Creamers, Bread and Butter Plates, Dinner Plates, and Bowls.
Claims use since Aug. 10, 1937.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 393,066. JOHN L. COONEY, Erie, Pa. Filed May 21, 1937.



For Stokers.
Claims use since May 14, 1937.

Ser. No. 397,644. CEMLINE CORPORATION, Cheswick, Pa. Filed Sept. 22, 1937.

STONE STEEL

The word "Steel" is disclaimed apart from the mark.
For Hot Water Tanks and Range Boilers.
Claims use since Sept. 30, 1935.

Ser. No. 398,972. MORSE CHAIN CO., Ithaca, N. Y., and Detroit, Mich. Filed Oct. 26, 1937.

TEMPLUX

For Coal Stokers.
Claims use since Sept. 23, 1937.

CLASS 37

Paper and Stationery

Ser. No. 370,897. SOUTHERN KRAFT CORPORATION, New York, N. Y. Filed Oct. 28, 1935.



The representation of a roll of paper is disclaimed apart from the mark.
For Wrapping Paper and Kraft Paper.
Claims use since July 10, 1935.

Ser. No. 389,953. HENRY S. WOLKINS COMPANY, Boston, Mass. Filed Mar. 12, 1937.

METALOCK

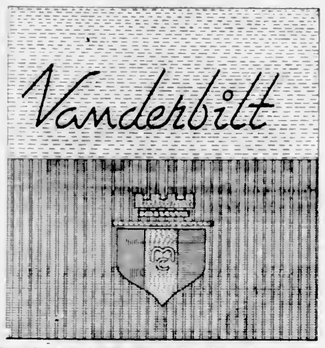
For Ink Wells for School Desks.
Claims use since May, 1936.

Ser. No. 396,696. J. S. STAEDTLER, Nuremberg, Germany. Filed Aug. 23, 1937.

Camel

For Lead Pencils and Crayons.
Claims use since 1935.

Ser. No. 397,338. MCCRORY STORES CORPORATION, New York, N. Y. Filed Sept. 11, 1937.



The drawing is lined for red, silver, and blue.
For Writing Paper, Writing Pads, and Envelopes.
Claims use since Aug. 9, 1937.

Ser. No. 398,736. PEJEPSCOT PAPER COMPANY, Brunswick, Maine. Filed Oct. 20, 1937. Under 10-year proviso.

PEJEPSCOT PAPER COMPANY

For Paper—To-wit, Newsprint Paper, Writing Paper, and Wrapping Paper, Whether Plain, Colored, or Figured.
Claims use since 1893.

Ser. No. 399,055. NATIONAL PENCIL COMPANY, Shelbyville, Tenn. Filed Oct. 28, 1937.

Flagship

For Wood-Cased Lead Pencils.
Claims use since May 1, 1937.

Ser. No. 399,315. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

CARGO

For Writing Paper, Printing Paper, Railroad Manila Paper and Envelopes.
Claims use since May 28, 1937.

Ser. No. 399,316. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

Degree

For Writing and Printing Paper.
Claims use since Sept. 10, 1937.

Ser. No. 399,318. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

PETITION

For Writing and Printing Paper.
Claims use since Sept. 2, 1937.

Ser. No. 399,319. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

Review

For Writing and Printing Paper.
Claims use since Sept. 20, 1937.

Ser. No. 399,320. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

STATUTE

For Writing and Printing Paper.
Claims use since Sept. 2, 1937.

Ser. No. 399,321. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Nov. 4, 1937.

TOURIST

For Writing Paper, Printing Paper, and Poster Paper.
Claims use since May 1, 1937.

CLASS 38

Prints and Publications

Ser. No. 393,143. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa. Filed May 22, 1937.

EVERYBODY'S WEEKLY

For Weekly Newspaper Section.
Claims use since May 23, 1937.

Ser. No. 394,797. NEA SERVICE, INC., Cleveland, Ohio. Filed July 2, 1937.



The mark comprises the portrait of Alley Oop, a fanciful, fictitious character.
For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since June 20, 1937.

Ser. No. 398,844. M. L. FLOWER & CO., Chicago, Ill. Filed Oct. 23, 1937.

tab-O-kolor

The word "Kolor" is disclaimed apart from the mark.
For Color Charts (Which Charts Are Used for Advertising Purposes to Designate the Color of Goods).
Claims use since Oct. 16, 1937.

CLASS 39

Clothing

Ser. No. 384,682. WEYENBERG SHOE MANUFACTURING COMPANY, doing business as Portage Shoe Manufacturing Co., Milwaukee, Wis. Filed Oct. 22, 1936.

MODERN-EZE

The word "Modern" is disclaimed except as shown.
For Men's Leather Shoes.
Claims use since Oct. 3, 1936.

Ser. No. 388,533. THE GRACE COMPANY, Kansas City, Mo. Filed Feb. 4, 1937.

OVER SEER

For Infants' and Children's Dresses, Aprons, Frocks, Play Suits, Sun Suits, and Smocks.
Claims use since Jan. 22, 1937.

Ser. No. 388,839. KNAPP BROTHERS, INC., Boston, Mass. Filed Feb. 12, 1937.

KNAPP BROTHERS ARCH AJUSTOR

For Leather Shoes, Fabric Shoes, and Shoes of Leather and Fabric.
Claims use since Sept. 15, 1935.

Ser. No. 393,215. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed May 25, 1937.

TREAD-TESTED

The words "Tread-Tested" are disclaimed apart from the mark.
For Boots and Shoes of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.
Claims use since May 17, 1937.

Ser. No. 394,312. BOND SHOE CO., INC., New York, N. Y. Filed June 21, 1937.

Natural BOND'S NATURAL ARCH GRIP Arch Grip
SPONSORED by BOND

The words "Natural Arch Grip", "Sponsored by", and "Bond" are disclaimed apart from the mark.
For Men's, Women's, and Children's Leather Shoes.
Claims use since February, 1936.

Ser. No. 395,319. THE SELBY SHOE CO., Portsmouth, Ohio. Filed July 16, 1937.

ARCH POISE

For Women's Shoes of Leather and Fabric and a Combination of These Materials.
Claims use since July 8, 1937.

Ser. No. 396,656. FASHION LIFE, INC., New York, N. Y. Filed Aug. 20, 1937.

FASHION LIFE

The word "Fashion" is disclaimed apart from the mark.
For Millinery—Namely, Ladies' Hats, Chapeaux and Berets; and Clothing for Women—Namely, Ladies' and Misses' Dresses, Coats, Suits, Evening Gowns, Afternoon Dresses, and Dinner Gowns, the Same Being Made of Silk, Satin, Rayon, Wool, Knit Goods, Combination of Silk or Wool or Worsted, and Fur.
Claims use since May 1, 1937.

Ser. No. 397,128. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1937.

Super Fleece

The words on the drawing are Super Fleece. The word "Fleece" is disclaimed apart from the mark.
For Men's, Women's, and Children's Coats, Hats, Sweaters, Hosiery, Jackets, Shoes of Leather, Rubber and/or Fabric, and Combinations Thereof, Leather and Fabric Gloves, Pajamas, Lounging Robes, Mufflers, Belts for Outer Wear, Garters; Bathing Suits, Beach Robes; Women's Dresses, Slips, and Brassières; Children's Dresses; and Underwear for Men, Women and Children.
Claims use since July 15, 1936.

Ser. No. 397,133. WM. T. KNOTT COMPANY, INC., New York, N. Y. Filed Sept. 4, 1937.

Sun Fun

The Trade-mark is Sun Fun.
For Men's and Boys' Suits, Overcoats, Topcoats, Negligee and Sport Shirts, Socks, Sweaters, Pajamas, Hats,

Shoes of Leather, Rubber and Fabric and Combinations Thereof, Gloves of Leather, Rubber and Fabric and Combinations Thereof, and Underwear; Women's and Girls' Coats, Suits, Dresses, Underwear, Hosiery, Shoes of Leather, Rubber and Fabric and Combinations Thereof, Hats and Gloves of Leather, Rubber and Fabric and Combinations Thereof; Men's, Women's and Children's Bathing Suits, Bathing Slippers, Beach Robes, and Pajamas; Men's and Boys' Bathing Trunks, Shirts, and Shorts.

Claims use since Mar. 3, 1937.

Ser. No. 397,515. THE PEERLESS CO. INC. (PAWTUCKET), Pawtucket, R. I. Filed Sept. 17, 1937.

Peer-crest

For Women's and Misses' Hosiery, Blouses, Outer Skirts, Sweaters, Jackets, Outer Shorts, Slacks, Ski Suits; Beach Robes and Capes, Both Rubber and Fabric; Beach Shoes, Beach Caps, Beach Hats, Bathing Caps, Bathing Shoes, Slips, Nightgowns, Panties, Negligees, House Coats; Certain Women's Undergarment Sets Consisting of Pants, Brassières, and Slips, (Commercially Known as "Dance Sets" and Also "Bridal Sets"); Bed Jackets, Pajamas, Chemises, Bath and Lounging Robes, Petticoats, Bathing Suits, Culottes, Play Suits; Leather, Suede, and Fabric Gloves; Brassières and Girdles, Dresses, Coats, Suits, Fur Jackets, Fur Scarfs, and Fur Capes; and Women's, Misses' and Juniors' Hats, Berets and Calottes.

Claims use since July 10, 1937.

Ser. No. 397,516. THE PEERLESS CO. INC. (PAWTUCKET), Pawtucket, R. I. Filed Sept. 17, 1937.



The words "Nulli Secundus" are disclaimed apart from the mark.

For Women's and Misses' Hosiery, Blouses, Outer Skirts, Sweaters, Jackets, Outer Shorts, Slacks, Ski Suits; Beach Robes and Capes, Both Rubber and Fabric; Beach Shoes, Beach Caps, Beach Hats, Bathing Caps, Bathing Shoes, Slips, Nightgowns, Panties, Negligees, House Coats; Certain Women's Undergarment Sets Consisting of Pants, Brassières, and Slips (Commercially Known as "Dance Sets" and Also "Bridal Sets"); Bed Jackets, Pajamas, Chemises, Bath and Lounging Robes, Petticoats, Bathing Suits, Culottes, Play Suits; Leather, Suede, and Fabric Gloves; Brassières and Girdles, Dresses, Coats, Suits, Fur Jackets, Fur Scarfs and Fur Capes; and Women's, Misses' and Juniors' Hats, Berets and Calottes.

Claims use since July 10, 1937.

Ser. No. 397,791. EVE BENNET, New York, N. Y. Filed Sept. 25, 1937.

ASTRO-LOGICAL *fashions*

The word "Fashions" is disclaimed apart from the mark.

For Children's Dresses.

Claims use since Sept. 17, 1937.

Ser. No. 397,882. TEPPER BROS., Plainfield, N. J. Filed Sept. 27, 1937.

Margot

For Women's Clothing—Namely, Dresses, Coats, Suits, Outer Skirts, Sweaters, Bathing Suits, Leather and Fabric Shoes, Underwear, Pajamas, Night Gowns, Leather and Fabric Gloves, Hats, Blouses, and Short Jackets.

Claims use since Sept. 21, 1937.

Ser. No. 398,110. JANTZEN KNITTING MILLS, Portland, Oreg. Filed Oct. 4, 1937.

The word "Weight" is disclaimed apart from the mark.

For Swimming Suits.

Claims use since Sept. 8, 1937.

Ser. No. 398,112. MAX KOCH, INC., New York, N. Y. Filed Oct. 4, 1937.



The words "Designed By" are disclaimed apart from the mark.

For Fur Coats.

Claims use since Aug. 26, 1937.

Ser. No. 398,290. A. RABINOWITZ AND SON, INC., New York, N. Y. Filed Oct. 8, 1937.



The words "Original Mode in Furs" are disclaimed apart from the mark.

For Fur, Fur Lined, and Fur Trimmed Wearing Apparel—Namely, Coats, Suits, Neck Pieces, Hats, Muffs, and Gloves Sold Individually and in Combination as Ensembles.

Claims use since Oct. 5, 1937.

Ser. No. 398,297. TAPPIN'S INC., New York, N. Y. Filed Oct. 8, 1937.

Exclusive
Arden-Park
QUALITY CLOTHES

The words "Exclusive" and "Quality Clothes" are disclaimed apart from the mark.

For Men's and Boys' Clothing—Namely, Men's and Boys' Coats, Suits, Vests, and Trousers.

Claims use since Sept. 15, 1937.

Ser. No. 398,329. STYLEPARK HATS, INC., Philadelphia, Pa. Filed Oct. 9, 1937.



The representation of the goods is disclaimed apart from the mark.

For Men's Hats.

Claims use since March, 1932.

Ser. No. 398,419. BELLE KNITTING CORP., New York, N. Y. Filed Oct. 13, 1937.

Wee Winnie Winkie

For Children's Underwear, Such as Pantles, Bloomers, Step-Ins, Vests, Shorts, Nightgowns, Pajamas, Chemises, and Slips.

Claims use since Aug. 24, 1937.

Ser. No. 398,443. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Filed Oct. 13, 1937.



The word "Sportattire" is disclaimed apart from the mark.

For Bathing Suits, Sweaters, and Polo Shirts.

Claims use since Oct. 1, 1937.

Ser. No. 398,717. THE WALKER T. DICKERSON COMPANY, Columbus, Ohio. Filed Oct. 20, 1937.

INSULWHYTE

For Shoes Made of Leather, Leather and Fabric, and the Combination of Leather, Rubber and Fabric.

Claims use since Nov. 13, 1936.

Ser. No. 398,729. LEATHERKRAFT, INC., Minneapolis, Minn. Filed Oct. 20, 1937.

GENUINE *Pony*

Thoro'bred of Leathers

The words "Genuine Pony" and "Of Leathers" are disclaimed apart from the mark.

For Men's, Women's, and Children's Leather Jackets of Pony Skin.

Claims use since April, 1936.

Ser. No. 398,782. MUNSINGWEAR, INC., Minneapolis, Minn. Filed Oct. 21, 1937.

Foundette

For Girdles, Foundation Garments, Bandeaux, and Brassières.

Claims use since June 22, 1932, on girdles and foundation garments; and since Aug. 14, 1936, on bandeaux and brassières.

Ser. No. 398,887. BERGER HOSIERY CO. INC., Philadelphia, Pa. Filed Oct. 25, 1937.

MALENE

For Hosiery.

Claims use since Oct. 4, 1937.

Ser. No. 399,021. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Oct. 27, 1937.

Swags

For Men's Trousers.

Claims use since Oct. 15, 1937.

Ser. No. 399,033. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 28, 1937.

SUMMERCEL

For Men's and Women's Underwear and Sport Shirts.

Claims use since Oct. 22, 1937.

Ser. No. 399,072. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Oct. 29, 1937.

CELASPUN

For Men's and Women's Underwear and Sport Shirts.
Claims use since Oct. 21, 1937.

Ser. No. 399,288. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Nov. 4, 1937.

CELADON

For Men's and Women's Pajamas, Underwear, and Sport Shirts.
Claims use since Oct. 28, 1937.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 397,478. MALLINSON FABRICS CORPORATION, New York, N. Y. Filed Sept. 16, 1937.

Kameo

For Textile Fabrics in the Piece Made of Silk and Synthetic Yarns.
Claims use since 1920.

Ser. No. 398,996. ETHEL LEVINE, New York, N. Y. Filed Oct. 27, 1937.



The word "Lace" apart from the mark and the representation of the label per se are disclaimed.
For Lace Piece Goods of Cotton, Silk, Rayon, or the Like.
Claims use since September, 1936.

Ser. No. 398,997. ETHEL LEVINE, New York, N. Y. Filed Oct. 27, 1937.



The word "Lace" apart from the mark and the representation of the label per se are disclaimed.
For Lace Piece Goods of Cotton, Silk, Rayon, or the Like.
Claims use since September, 1936.

Ser. No. 399,334. SINACO COMPANY, INC., New York, N. Y. Filed Nov. 4, 1937.

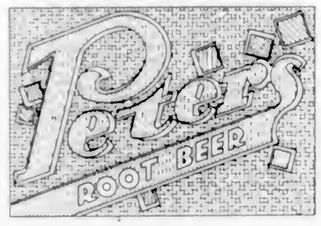


For Towels and Wash Cloths.
Claims use since Sept. 27, 1937.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 398,505. TRY-ME BEVERAGE & COMPOUND CO., Birmingham, Ala. Filed Oct. 14, 1937.



The drawing is lined for yellow, purple, red, and green. The words "Root Beer" are disclaimed apart from the mark.
For Root Beer.
Claims use since Sept. 7, 1937.

Ser. No. 399,407. CHARLES GALLER, Hoboken, N. J. Filed Nov. 6, 1937.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since June 1, 1937.

Ser. No. 399,420. CHARLES A. MEYEROWICH, Stapleton, N. Y. Filed Nov. 6, 1937.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since June 2, 1937.

Ser. No. 399,421. MYERS BEVERAGES, INC., New York, N. Y. Filed Nov. 6, 1937.

Blen-D'or

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Sirups and Extracts for Making the Same.
Claims use since Oct. 1, 1937.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 334,947. APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Feb. 14, 1933.

MOUNTAIN



For Fresh Deciduous Fruits—Namely, Fresh Apples.
Claims use since Sept. 1, 1924.

Ser. No. 384,352. COLUMBUS ICE CREAM COMPANY, Columbus, Ohio. Filed Oct. 13, 1936.

YUMMIES

For Ice Cream in Rolls, Bricks, Slices, Cuts, and Other Frozen Specialties, Ice Cream Novelties and Frozen Confections Such as Cups, Drumsticks, Suckers on Sticks and Without Sticks, Including Bars with Chocolate or Other Coatings, and Other Frozen Confections.
Claims use since Jan. 30, 1936.

Ser. No. 387,677. MARTIN W. PRETORIUS, Burbank, Calif. Filed Jan. 11, 1937.

ALFAMINT

For Tea.
Claims use since May 25, 1933.

Ser. No. 389,943. DAVID SKIDEL, doing business as United Flour Company and also United Milling Co., Chicago, Ill. Filed Mar. 11, 1937.



The words "Highest Quality" are disclaimed apart from the mark.
For Colored and Uncolored Refined Cocoanut Oil for Pop Corn Seasoning, Popped Corn Buttered and Salted. Pop Corn Salt, Glucose for Seasoning, Unpopped Pop Corn, and Pop Corn Seasoning.
Claims use since Sept. 10, 1928.

Ser. No. 391,704. SAMUEL KUNIN & SONS, INC., doing business as The Kraig Products Company, Chicago, Ill. Filed Apr. 22, 1937.

Lift

For Chocolate Flavored Powder Preparation Containing Sucrose, Barley Malt Extract, and Cerelose for Making Food Beverages.
Claims use since Mar. 31, 1937.

Ser. No. 392,232. PAXTON AND GALLAGHER CO., doing business as Big Buy Distributing Co., Omaha, Nebr. Filed May 3, 1937.

BIG BUY

For Canned Fruits—Namely, Peaches; Canned Vegetables—Namely, Peas; Condiments—Namely, Black Pepper, Peanut Butter, Apple Butter, Salad Dressing, Tomato Catsup, Tea.
Claims use since Dec. 8, 1936.

Ser. No. 392,504. PORTLAND FISH CO., Portland, Maine. Filed May 8, 1937.



The words "Brand" and "State-O-Maine" are disclaimed apart from the mark.
For Fresh, Frozen, Smoked, and Salt Fish.
Claims use since November, 1933.

Ser. No. 393,737. JOHN SEXTON & CO., Chicago, Ill. Filed June 5, 1937.



The drawing is lined for green.
For Canned Vegetables, Canned and Fresh Frozen Fruits, Canned Soups, Canned Fruit Juices and Vegetable Juices for Food Purposes, Gelatine Dessert, Canned Fish and Shell Fish, Peanut Butter, Hot Sauce, Chop Suey Sauce, Chili Sauce, Worcestershire Sauce, Salad Dressing (Mayonnaise Style), Spices, Crackers, Doughnut Flour Mix, Pancake Flour, Wheat Flour.
Claims use since Oct. 1, 1909.

Ser. No. 394,728. SHEPHERD'S INDUSTRIES LIMITED, London, England. Filed June 30, 1937.

FRITTLES

For Fried Food Preparation in the Nature of Farinaceous Crisps Made Principally of One or More Kinds of Flour.
Claims use since Oct. 25, 1936.

Ser. No. 395,342. THE W. J. FITZPATRICK COMPANY, Chicago, Ill. Filed July 17, 1937.

HARVEST GOLD

For Bread and Soya Bean Flakes Intended To Be Mixed with Cereal Flour for Use in Baking Bread and Other Bakery Products.
Claims use since July 13, 1937.

Ser. No. 396,397. VAUGHN FLANNERY, Darlington, Md. Filed Aug. 14, 1937.

MARYANGUS

For Beef Cattle.
Claims use since June 25, 1937.

Ser. No. 398,227. JOHN ZEOK, Braddock, Pa. Filed Oct. 6, 1937.

NURSO

For Prepared Fresh Milk for Infants.
Claims use since May 25, 1937.

Ser. No. 398,339. SUNFLOWER MILLS INC., Indianola, Miss. Filed Oct. 11, 1937.

Delta Belle

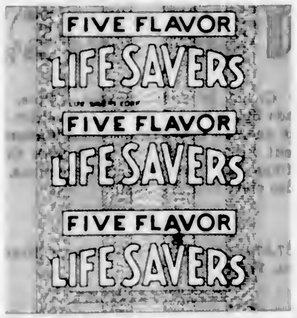
The word "Delta" per se is disclaimed except as shown.
For Wheat Flour.
Claims use since Aug. 20, 1937.

Ser. No. 398,402. MISSION FRUIT & VEGETABLE CO., INC., Mission, Tex. Filed Oct. 12, 1937.

TEX-PINK

The word "Pink" is disclaimed apart from the mark.
For Fresh Citrus Fruit—Namely, Grapefruit.
Claims use since October, 1935.

Ser. No. 398,436. LIFE SAVERS CORPORATION, Port Chester, N. Y. Filed Oct. 13, 1937.



No claim is made to the representation of a label per se, or, to the words "Five Flavor" apart from the mark. The drawing is lined for red, yellow, green, orange, and purple.
For Candy.
Claims use since Mar. 19, 1935.

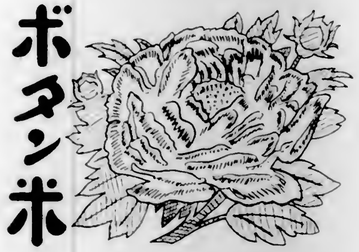
Ser. No. 398,492. ROBILIO & CUNEO, Memphis, Tenn. Filed Oct. 14, 1937.

RONCO

For Mixed Dried Peas, Macaroni, Noodles, Corn, Rice, Barley in the Nature of a Soup Mix.
Claims use since Jan. 1, 1935.

Ser. No. 398,632. PACIFIC TRADING COMPANY, INC., San Francisco, Calif. Filed Oct. 18, 1937.

BOTAN



The word "Botan" and the Japanese characters signify "Peony".
For Rice.
Claims use since Aug. 30, 1937.

Ser. No. 398,894. T. J. DOFFLEMYER & SONS, Exeter, Calif. Filed Oct. 25, 1937.

PORT TO PORT

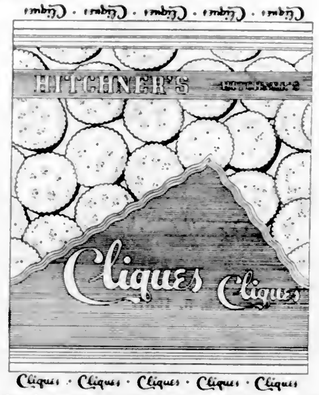
For Fresh Grapes.
Claims use since Sept. 27, 1937.

Ser. No. 398,940. H. WILLIAM SCHMITKONS, Lorain, Ohio. Filed Oct. 25, 1937.

SIALIA

For Packaged Fresh Deciduous Fruits.
Claims use since Jan. 1, 1925.

Ser. No. 398,966. THE HITCHNER BISCUIT CO., West Pittston, Pa. Filed Oct. 26, 1937.



No claim is made to the representation of the goods as such. The drawing is lined for blue.
For Crackers.
Claims use since Aug. 26, 1937.

Ser. No. 399,493. ATKINS, KROLL & CO., San Francisco, Calif. Filed Nov. 9, 1937.

FASCINATION

For Canned Fruits and Vegetables.
Claims use since 1925.

Ser. No. 399,678. SCOTTS VALLEY FRUIT EXCHANGE, Lakeport, Calif. Filed Nov. 12, 1937.

LAKE DAWN

For Fresh Deciduous Fruits.
Claims use since September, 1937.

CLASS 47

Wines

Ser. No. 387,672. LEKAS & DRIVAS, INC., New York, N. Y. Filed Jan. 11, 1937.

Eléndi

For Wines.
Claims use since April, 1937.

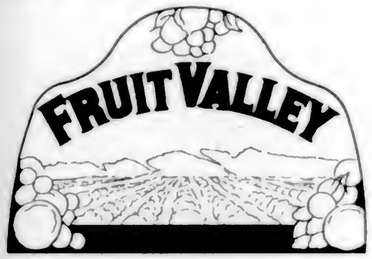
Ser. No. 388,010. LEKAS & DRIVAS, INC., New York, N. Y. Filed Jan. 21, 1937.

EVI EVAN



For Wines.
Claims use since June 5, 1934.

Ser. No. 398,709. CENTRAL STATES DISTRIBUTORS, INC., Chicago, Ill. Filed Oct. 20, 1937.



For Wine.
Claims use since Feb. 5, 1937.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 395,858. JPH. ETOURNAUD & Co., Cognac, France. Filed July 31, 1937.

ALEXANDRE DUMAS

For Cognac.
Claims use since Dec. 29, 1936.

Ser. No. 399,102. MILESTONE DISTILLING COMPANY INCORPORATED, Louisville, Ky., and San Francisco, Calif. Filed Oct. 29, 1937.



The outline of the label and the term "Select" are disclaimed apart from the mark. The drawing is lined for red, black, and gold.
For Whiskey.
Claims use since Oct. 2, 1937.

Ser. No. 399,233. GORDON'S DRY GIN COMPANY LIMITED, Linden, N. J. Filed Nov. 2, 1937.

THE HEART OF A GOOD COCKTAIL

The words "A Good Cocktail" are disclaimed apart from the mark.
For Gin.
Claims use since 1920.

Ser. No. 399,629. UNITED DISTILLERS (OF AMERICA), LTD., Baltimore, Md. Filed Nov. 11, 1937.

KORN TOP

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Sept. 18, 1937.

Ser. No. 399,650. DEXHEIMER & BECKER CO., St. Louis, Mo. Filed Nov. 12, 1937.

Lonshire

For Gin.
Claims use since Apr. 5, 1934.

Ser. No. 399,651. DEXHEIMER & BECKER CO., St. Louis, Mo. Filed Nov. 12, 1937.

RIVER OAKS

For Whiskey.
Claims use since Apr. 5, 1934.

Ser. No. 399,675. ED. PHILLIPS & SONS COMPANY, Minneapolis, Minn. Filed Nov. 12, 1937.

Tweed

For Whiskey.
Claims use since Sept. 9, 1937.

Ser. No. 399,676. ROUYER, GUILLET & CIE., SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Saintes, France. Filed Nov. 12, 1937. Under 10-year proviso.



ROUYER, GUILLET & CIE
COGNAC

For Brandy.
Claims use since 1874.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 396,085. RICH SIGNS CORPORATION, Wichita, Kans. Filed Aug. 6, 1937.

MIRO-FLEX

For Highway Markers.
Claims use since July 23, 1937.

Ser. No. 397,151. THE REYBURN MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 4, 1937.

REYCAPS

For Rings and Caps Formed from Cardboard for use in Forming Display Elements.
Claims use since January, 1935.

Ser. No. 397,661. H. & S. NOVELTIES, Los Angeles, Calif. Filed Sept. 22, 1937.



The word "Novelty" is disclaimed apart from the mark. The drawing is lined for gold.
For Novelty Souvenirs—Namely, Receptacles Containing Pyrite or Fool's Gold.
Claims use since Aug. 25, 1937.

Ser. No. 398,475. LATEX FIBER INDUSTRIES, INC., Beaver Falls, N. Y. Filed Oct. 14, 1937.

MIDSOLEX

For Sheet Material for Middle Soles Comprising Fiber, Rubber, and Coloring.
Claims use since July 9, 1937.

Ser. No. 398,584. MOULTON LADDER MANUFACTURING CO., Somerville, Mass. Filed Oct. 16, 1937. Under 10-year proviso.

MOULTON

For Ladders and Ladder Products—Namely, Stepladders, Extension Ladders, Trestles, Extension Trestles, Scaffold, Platforms, Stages; Jacks—Namely, Ladder Jacks, Window Jacks, and Scaffolding Jacks; Ladder Locks, Ladder Brackets, and Window Brackets.
Claims use since 1869.

Ser. No. 398,799. VAZAH, INC., New York, N. Y. Filed Oct. 21, 1937.

PYRAMAIDS

For Manikins.
Claims use since Sept. 8, 1937.

Ser. No. 398,897. GLASSIPS INC., Baltimore, Md. Filed Oct. 25, 1937.

Glassip

For Drinking Straws.
Claims use since Oct. 19, 1937.

Ser. No. 399,543. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Euclid Village, Cleveland, Ohio. Filed Nov. 10, 1937.

DupliMAT

For Planographic Plates.
Claims use since October, 1937.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

DECEMBER 28, 1937

353,077. MOTORBOATS, SPEEDBOATS, HYDROPLANES, AND THE HULLS THEREOF. HORACE E. DODGE BOAT & PLANE CORPORATION, New York, N. Y.

Filed April 16, 1934. Serial No. 350,018. PUBLISHED OCTOBER 19, 1937. Class 19.

353,078. MACARONI, OLIVE OIL, CANNED VEGETABLES, CANNED TOMATOES, TOMATO SAUCE. A. FARINELLA & COMPANY, INC., Passaic, N. J.

Filed July 19, 1935. Serial No. 367,463. PUBLISHED OCTOBER 19, 1937. Class 46.

353,079. RAZOR BLADES. ESSEX RAZOR BLADE CORPORATION, Elizabeth, N. J., assignor to Yardley of London, Inc., Union City, N. J.

Filed August 12, 1935. Serial No. 368,219. PUBLISHED FEBRUARY 9, 1937. Class 23.

353,080. ROASTED COFFEE FOR SALE TO WHOLESALE OR RETAIL DEALERS. JOHN H. WILKINS COMPANY, Washington, D. C.

Filed August 30, 1935. Serial No. 368,872. PUBLISHED MARCH 23, 1937. Class 46.

353,081. COFEE AND TEA. MCCORD-STEWART COMPANY, INC., Atlanta, Ga.

Filed September 25, 1935. Serial No. 369,707. PUBLISHED NOVEMBER 26, 1935. Class 46.

353,082. OIL BURNERS. BAILEY & GRANT, INC., Fall River, Mass.

Filed December 26, 1935. Serial No. 373,015. PUBLISHED APRIL 14, 1936. Class 34.

353,083. METALLIC EDGE AND COVE STRIPS. THE B. & T. FLOOR COMPANY, Columbus, Ohio.

Filed June 13, 1936. Serial No. 379,663. PUBLISHED OCTOBER 19, 1937. Class 12.

353,084. COSMETICS—NAMELY, PERFUMES, POWDERS, CREAMS, LOTIONS, ROUGES, AND POMADES. SOCIÉTÉ DES PRODUITS SCIENTIFIQUES DE BEAUTÉ VONNA, Paris, France.

Filed June 17, 1936. Serial No. 379,851. PUBLISHED OCTOBER 12, 1937. Class 6.

353,085. COMPRESSORS FOR FREEZING LIQUIDS, SUCH AS USED IN MACHINES FOR MAKING ICE, AND REFRIGERATING CONDENSING UNITS, I. E., MACHINES OPERATED BY MOTORS AND USED FOR CIRCULATING THE REFRIGERANT THROUGH COOLING COILS. ED. FRIEDRICH, INCORPORATED, San Antonio, Tex

Filed July 15, 1936. Serial No. 381,030. PUBLISHED OCTOBER 19, 1937. Class 23.

353,086. RUBBER TIRES. DELCO TIRE CORP., Chicago, Ill.

Filed July 20, 1936. Serial No. 381,192. PUBLISHED OCTOBER 19, 1937. Class 35.

353,087. INSECTICIDES. THE LEWY CHEMICAL CO., New York, N. Y.

Filed July 29, 1936. Serial No. 381,567. PUBLISHED OCTOBER 19, 1937. Class 6.

353,088. PERFORATED THEATER TICKETS SOLD AS SUCH IN TRADE. ROBERT A. MALLON, Chillicothe, Mo.

Filed July 29, 1936. Serial No. 381,569. PUBLISHED OCTOBER 12, 1937. Class 38.

353,089. GREASE-RESISTING PAPER, PAPERBOARD, AND LAYERBOARD IN THE NATURE OF A PAPERBOARD. THE GARDNER-RICHARDSON COMPANY, Middletown, Ohio.

Filed August 20, 1936. Serial No. 382,412. PUBLISHED OCTOBER 19, 1937. Class 37.

353,090. PLYWOOD FOR USE IN CONCRETE FORMS. M AND M WOOD WORKING COMPANY, Portland, Oreg.

Filed October 26, 1936. Serial No. 384,913. PUBLISHED JUNE 29, 1937. Class 12.

353,091. MEDICINAL PREPARATION USED IN GENERAL MEDICINE AND OBSTETRICAL AND GYNECOLOGICAL PRACTICE FOR ITS ANTISPASMODIC AND SEDATIVE ACTION. MASSICOTTE IMPORT COMPANY, Montreal Quebec, Canada.

Filed November 13, 1936. Serial No. 385,484. PUBLISHED FEBRUARY 23, 1937. Class 6.

353,092. WATERTIGHT AND VAPOR PROOF ELECTRICAL FIXTURES AND FITTINGS—NAMELY, LIGHTING GLOBES AND VASES, GLOBE GUARDS, ETC. PAULUHN ELECTRIC M'F'G CO. INC., New York, N. Y.

Filed November 21, 1936. Serial No. 385,858. PUBLISHED OCTOBER 19, 1937. Class 21.

353,093. HOUSE MAGAZINE. CHAS. F. KELLOM & CO., INC., Holmesburg, Pa.

Filed November 30, 1936. Serial No. 386,061. PUBLISHED OCTOBER 19, 1937. Class 38.

353,094. PORTABLE STAGE-TYPE SPIN WHEEL ADAPTED TO BE SPUN BY HAND AND CHARACTERIZED BY A ROTARY DISK HAVING PREDETERMINED INDICIA DISPLAYED THEREON TO FACILITATE ORDERLY AWARDING OF BALLOT BOX PRIZES. MORRIS BERICK, doing business as Wheel of Fortune Money Nite Co., Fall River, Mass.

Filed December 21, 1936. Serial No. 386,979. PUBLISHED OCTOBER 19, 1937. Class 22.

353,095. BEDROOM SUITES CONSISTING OF DRESSERS, VANITIES OR DRESSING TABLES, CHESTS OF DRAWERS OR CHIFFOROBES, BEDS, NIGHT STANDS, ETC. LUDWIG BAUMANN & COMPANY, New York, N. Y.

Filed December 22, 1936. Serial No. 387,020. PUBLISHED OCTOBER 19, 1937. Class 32.

353,096. COTTONSEED. B. F. SUMMEROUR SEED COMPANY, Norcross, Ga.

Filed January 21, 1937. Serial No. 388,040. PUBLISHED OCTOBER 19, 1937. Class 1.

353,097. ELECTRICAL APPARATUS, AND MORE PARTICULARLY FOR TEMPERATURE RESPONSIVE ELECTRICAL CIRCUIT BREAKING DEVICES FOR PROTECTING ELECTRICAL EQUIPMENT. GENERAL MOTORS CORPORATION, Detroit, Mich.

Filed February 3, 1937. Serial No. 388,496. PUBLISHED OCTOBER 19, 1937. Class 21.

353,098. GENERATORS, MOTORS, DYNAMOTORS, INVERTED ROTARY CONVERTERS, MOTOR GENERATORS, GAS ENGINE DRIVEN ELECTRIC GENERATING PLANTS, AND WIND DRIVEN ELECTRIC GENERATING AND BATTERY CHARGING PLANTS. PIONEER GEN-E-MOTOR CORPORATION, Chicago, Ill.

Filed February 5, 1937. Serial No. 388,592. PUBLISHED OCTOBER 19, 1937. Class 21.

353,099. MOPS. MIDWAY CHEMICAL COMPANY, Chicago, Ill., assignor, by mesne assignments, to Midway Chemical Co., Jersey City, N. J., a corporation of New Jersey.

Filed February 8, 1937. Serial No. 388,653. PUBLISHED OCTOBER 19, 1937. Class 29.

353,100. METAL FURNITURE, ESPECIALLY CHROMIUM-PLATED METAL FURNITURE—NAMELY, CHAIRS, COSTUMERS, SHOE FITTING STOOLS AND OTHER STOOLS, SMOKING STANDS, SETTEES, DRESSERETTES, DESKS, BOOTHS, VANITY TABLES, MIRRORS, AND OTTOMANS. ROYAL METAL MANUFACTURING COMPANY, Chicago, Ill.

Filed February 11, 1937. Serial No. 388,802. PUBLISHED OCTOBER 19, 1937. Class 32.

353,101. COFFEE. EPPENS, SMITH COMPANY, INC., New York, N. Y.

Filed February 18, 1937. Serial No. 389,057. PUBLISHED OCTOBER 19, 1937. Class 46.

353,102. FILE CABINETS, DRAWERS, AND PARTS THEREOF. REMINGTON RAND INC., Buffalo, N. Y.

Filed February 18, 1937. Serial No. 389,100. PUBLISHED OCTOBER 19, 1937. Class 32.

353,103. WINE. BALLIF DISTRIBUTING COMPANY, Portland, Oreg.

Filed March 3, 1937. Serial No. 389,597. PUBLISHED OCTOBER 19, 1937. Class 47.

353,104. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS USED IN THE PREPARATION OF SAME. UNION BOTTLING COMPANY, doing business as Union Beverage Products Co., Memphis, Tenn.

Filed March 4, 1937. Serial No. 389,664. PUBLISHED OCTOBER 19, 1937. Class 45.

353,105. NEWSPAPER STRIPS AND CARTOONS. FRANK V. MARTINEK, Chicago, Ill.

Filed March 11, 1937. Serial No. 389,927. PUBLISHED OCTOBER 19, 1937. Class 38.

353,106. WINE. BALLIF DISTRIBUTING COMPANY, Portland, Oreg.

Filed March 12, 1937. Serial No. 389,974. PUBLISHED OCTOBER 19, 1937. Class 47.

353,107. VELOCIPEDES. JUNIOR TOY CORPORATION, Hammond, Ind.

Filed April 1, 1937. Serial No. 390,790. PUBLISHED MAY 25, 1937. Class 22.

353,108. BRANDY. CENTRAL STATES DISTRIBUTORS, INC., Chicago, Ill.

Filed April 10, 1937. Serial No. 391,173. PUBLISHED OCTOBER 19, 1937. Class 49.

353,109. BUILDING MATERIALS IN THE NATURE OF STRUCTURAL AND ARCHITECTURAL SHEETS OR SHAPES FOR USE AS EXTERIOR OR INTERIOR FACING FOR WALLS, ETC. PORCELAIN PRODUCTS COMPANY, Cicero, Ill.

Filed April 12, 1937. Serial No. 391,241. PUBLISHED OCTOBER 19, 1937. Class 12.

353,110. MACHINE HANDLES FOR MACHINE TOOLS, SUCH AS PLANERS, SHAPERS, LATHES, MILLING MACHINES, DRILL PRESSES, AND SPECIAL MACHINERY, SPARK AND THROTTLE JOINTS, ETC. THE CINCINNATI BALL CRANK CO., Cincinnati, Ohio.

Filed April 13, 1937. Serial No. 391,265. PUBLISHED OCTOBER 19, 1937. Class 23.

353,111. MAGAZINE PUBLISHED EVERY MONTH. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.

Filed April 13, 1937. Serial No. 391,270. PUBLISHED OCTOBER 19, 1937. Class 38.

353,112. MAGAZINE PUBLISHED EVERY MONTH. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.

Filed April 13, 1937. Serial No. 391,271. PUBLISHED OCTOBER 19, 1937. Class 38.

353,113. MAGAZINE PUBLISHED EVERY MONTH. FAWCETT PUBLICATIONS, INC., Greenwich, Conn.

Filed April 13, 1937. Serial No. 391,272. PUBLISHED OCTOBER 19, 1937. Class 38.

353,114. ELECTRICAL FIXTURES, AND PARTICULARLY PLUGS AND CONTACT PARTS MADE OF INSULATING MATERIAL. WILLIAM P. HERMAN, Providence, R. I.

Filed April 17, 1937. Serial No. 391,475. PUBLISHED OCTOBER 19, 1937. Class 21.

353,115. SHELLED AND UNSHELLED NUTS. THE L. DEMARTINI, San Francisco, Calif.

Filed April 21, 1937. Serial No. 391,627. PUBLISHED OCTOBER 19, 1937. Class 46.

353,116. WINES. ROVINA WEIN-IMPORT-BUND G. M. B. H. & Co. KOMMANDITGESELLSCHAFT, Munich, Germany.

Filed April 27, 1937. Serial No. 391,929. PUBLISHED OCTOBER 19, 1937. Class 47.

353,117. SMOKERS' ARTICLES—NAMELY, PIPES, PIPE RACKS, TOBACCO POUCHES, AND HUMIDORS. THE HOUSE OF BOBBIE, INC., Marion, Ohio.

Filed May 1, 1937. Serial No. 392,070. PUBLISHED OCTOBER 19, 1937. Class 8.

353,118. MACHINES FOR MAKING FULL FASHIONED HOSIERY AND PARTS THEREOF. PAUL LIEBERKNECHT G. M. B. H., Chemnitz, Germany.

Filed April 30, 1937. Serial No. 392,100. PUBLISHED OCTOBER 19, 1937. Class 23.

353,119. CANNED AND GLASS PACKAGES OF VEGETABLES, VEGETABLE JUICES, FRUITS, FRUIT JUICES FOR FOOD PURPOSES, MAPLE SYRUP, FISH, ETC. CHARLES & CO., New York, N. Y.

Filed May 4, 1937. Serial No. 392,254. PUBLISHED OCTOBER 19, 1937. Class 46.

353,120. WINES. GAMBARELLI & DAVITTO, New York, N. Y.

Filed May 7, 1937. Serial No. 392,424. PUBLISHED OCTOBER 19, 1937. Class 47.

353,121. PERIODICAL PUBLICATION. TROJAN PUBLISHING CORP., New York, N. Y.

Filed May 15, 1937. Serial No. 392,821. PUBLISHED OCTOBER 19, 1937. Class 38.

353,122. THERMAL AND SOUND INSULATING AND FIREPROOFING FELT. GRANT WILSON INCORPORATED, Chicago, Ill.

Filed May 17, 1937. Serial No. 392,904. PUBLISHED OCTOBER 19, 1937. Class 12.

353,123. CANNED FRESH BLACKEYED PEAS, TEA, VANILLA EXTRACT FOR FOOD PURPOSES, LEMON EXTRACT FOR FOOD PURPOSES, GRAPE JELLY, APPLE JELLY, APPLE BUTTER, ETC. WAPLES PLATTER COMPANY, Fort Worth, Tex.

Filed May 18, 1937. Serial No. 392,943. PUBLISHED OCTOBER 19, 1937. Class 46.

353,124. TEA, APPLE BUTTER, AND VINEGAR, SHREDDED COCOANUT, SALAD DRESSING, AND RELISH SPREAD. WAPLES PLATTER COMPANY, Fort Worth, Tex.

Filed May 18, 1937. Serial No. 392,944. PUBLISHED OCTOBER 19, 1937. Class 46.

353,125. CANDY WRAPPERS SOLD TO THE TRADE AS SUCH. BENNINGTON WAX PAPER COMPANY, Bennington, Vt.

Filed May 21, 1937. Serial No. 393,058. PUBLISHED OCTOBER 19, 1937. Class 37.

353,126. DRESSED POULTRY. KOSHER FOODS, INC., New York, N. Y.

Filed May 26, 1937. Serial No. 393,287. PUBLISHED OCTOBER 19, 1937. Class 46.

353,127. PERIODICAL ARTICLES OF PROSE, POETRY, AND PROSE AND POETRY GENERALLY APPEARING AS A SECTION OF A PERIODICAL PUBLICATION OR NEWSPAPER. HARRY S. MOORHEAD, Detroit, Mich.

Filed May 28, 1937. Serial No. 393,389. PUBLISHED OCTOBER 19, 1937. Class 38.

353,128. MEN'S, WOMEN'S, AND CHILDREN'S SHOES, SLIPPERS, AND SANDALS, MADE OF LEATHER, IMITATION LEATHER, FABRIC, AND COMBINATIONS OF SAID MATERIALS. ERWIN SHOE CO., INC., New York, N. Y.
Filed June 2, 1937. Serial No. 393,532. PUBLISHED SEPTEMBER 21, 1937. Class 39.

353,129. WATERPROOF FABRICS AND RAINCOAT MATERIALS IN THE PIECE OR PIECE GOODS. COOLEY, INCORPORATED, Pawtucket, R. I.
Filed June 8, 1937. Serial No. 393,798. PUBLISHED OCTOBER 19, 1937. Class 50.

353,130. OPTICAL GOODS, INSTRUMENTS, AND MACHINES—NAMELY, OPERA AND FIELD GLASSES, PRISM BINOCULARS, P. D. KERATOMETER, VERTEX REFRACTIONOMETER, EYE TEST TRIAL FRAMES, OPTICAL LENS MEASURES, AND VARIATORS (EYE EXAMINATION INSTRUMENT). JOHN H. RUNGE, New York, N. Y.
Filed June 9, 1937. Serial No. 393,874. PUBLISHED OCTOBER 19, 1937. Class 26.

353,131. NEWSPAPER MAN'S NEWSPAPER. THE EDITOR & PUBLISHER COMPANY, New York, N. Y.
Filed June 11, 1937. Serial No. 393,930. PUBLISHED OCTOBER 12, 1937. Class 38.

353,132. LEAD AND COLORED PENCILS, PENHOLDERS, RUBBER BANDS, RUBBER ERASERS, MECHANICAL PENCILS, AND REFILL LEADS FOR THE SAME, FOUNTAIN PENS AND PARTS THEREOF, COMBINED PENCIL AND COMPASS, AND CRAYONS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed June 12, 1937. Serial No. 393,977. PUBLISHED OCTOBER 19, 1937. Class 37.

353,133. ELECTRIC STRINGED MUSICAL INSTRUMENTS, INCLUDING GUITARS, BANJOS, VIOLINS, MANDOLINS, AND THE LIKE, AND PARTS THEREOF, AMPLIFIERS FOR SAME, AND ACCESSORIES INCLUDING MICROPHONES, PEDAL CONTROLS, STANDS, AND PICKS. EPIPHONE, INC., New York, N. Y.
Filed June 12, 1937. Serial No. 393,978. PUBLISHED OCTOBER 19, 1937. Class 36.

353,134. FRESH CITRUS FRUITS. DR. P. PHILLIPS COMPANY, Orlando, Fla.
Filed June 12, 1937. Serial No. 394,003. PUBLISHED OCTOBER 19, 1937. Class 46.

353,135. VAPOR RELIEF TRAPS FOR LIQUID FUEL LINES. ADOLPH V. MITTERER, Denver, Colo.
Filed June 14, 1937. Serial No. 394,045. PUBLISHED OCTOBER 19, 1937. Class 13.

353,136. BOOK. W. C. DOERLER & SONS, Akron, Ohio.
Filed June 15, 1937. Serial No. 394,078. PUBLISHED OCTOBER 12, 1937. Class 38.

353,137. HOLLOW-WARE OF STAINLESS STEEL FOR COOKING AND TABLE USE. INTERNATIONAL SILVER COMPANY, Meriden, Conn., assignor to Steelsmiths, Inc., Meriden, Conn., a corporation of Connecticut.
Filed June 15, 1937. Serial No. 394,086. PUBLISHED OCTOBER 19, 1937. Class 13.

353,138. ELECTRIC TRAFFIC SIGNALS, CONTROL EQUIPMENT THEREFOR, AND PARTS THEREOF. HORNI SIGNAL MANUFACTURING CORPORATION, New York, N. Y.
Filed June 10, 1937. Serial No. 394,284. PUBLISHED OCTOBER 19, 1937. Class 21.

353,139. MEN'S SUITS, TOPCOATS, AND OVERCOATS. THE BLOCH COMPANY, Cleveland, Ohio.
Filed June 21, 1937. Serial No. 394,362. PUBLISHED OCTOBER 19, 1937. Class 39.

353,140. MALT BEVERAGES AND BEER. FONTENELLE BREWING COMPANY, Omaha, Nebr.
Filed June 21, 1937. Serial No. 394,363. PUBLISHED OCTOBER 19, 1937. Class 48.

353,141. PICTURE SECTION OF A NEWSPAPER. THE REGISTER & TRIBUNE COMPANY, Des Moines, Iowa.
Filed June 22, 1937. Serial No. 394,386. PUBLISHED OCTOBER 12, 1937. Class 38.

353,142. STRIPFILM CAMERAS, STRIPPING CABINETS, ETCHING MACHINES, STONE COOLERS, AUTOMATIC WHIRLERS, DEVELOPING TANKS, SCALING DEVICES, VIEWING LIGHT BOXES, THERMOSTATIC CONTROL SETS FOR DARK ROOMS, WET PLATE COOLERS, DRY PLATE COOLERS, AND POWDER BOXES. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove and New York, N. Y.
Filed June 23, 1937. Serial No. 394,398. PUBLISHED OCTOBER 19, 1937. Class 26.

353,143. PHOTOGRAPHIC SECTION OF THE PHILADELPHIA INQUIRER, A DAILY NEWSPAPER OF GENERAL CIRCULATION. THE PHILADELPHIA INQUIRER COMPANY, Philadelphia, Pa.
Filed June 23, 1937. Serial No. 394,443. PUBLISHED SEPTEMBER 14, 1937. Class 38.

353,144. WRAPPING MATERIAL FOR CIGARS SOLD EMPTY COMPRISING PAPER LAMINATED TO A METALLIC FOIL. REYNOLDS METALS COMPANY, INC., New York, N. Y.
Filed June 26, 1937. Serial No. 394,552. PUBLISHED OCTOBER 19, 1937. Class 37.

353,145. WRITING, PRINTING, AND LITHOGRAPHING PAPERS, CARDBOARD, AND ENVELOPES. SCHLOSSER PAPER CORPORATION, New York, N. Y.
Filed June 28, 1937. Serial No. 394,638. PUBLISHED OCTOBER 19, 1937. Class 37.

353,146. FIBER BOARD, THERMAL INSULATING BOARD, COMPOSITE BOARD, CONSTRUCTION BOARD, SYNTHETIC LUMBER OR ARTIFICIAL LUMBER, HARDBOARD, AND ROCK WOOL PRODUCTS FOR INSULATION PURPOSES—NAMELY, LOOSE WOOL, GRANULATED WOOL, AND SHEET WOOL. MASONITE CORPORATION, Chicago, Ill.
Filed June 29, 1937. Serial No. 394,670. PUBLISHED SEPTEMBER 21, 1937. Class 12.

353,147. CELLULAR TILE, CELL-CONCRETE INSULATION, INSULATING PIPE CASING UNITS, INSULATING COVERING FOR PIPES, CONCRETE UNDERGROUND CONDUITS, AND SPLIT TILE AND MULTIPLE CHAMBER TILE CONDUITS. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y.
Filed June 30, 1937. Serial No. 394,690. PUBLISHED OCTOBER 19, 1937. Class 12.

353,148. SUGAR, AND SPICES AND SEASONINGS—NAMELY, VANILLA IN BEAN FORM, PEPPER, SALT, NUTMEG, CLOVES, CINNAMON, THYME, BAY LEAVES, SAVORY, CELERY SEED, GINGER, MARJORAM, AND POWDERED PIMENTO. SOCIÉTÉ MANTELET & BOUCHER, Bagnolet, France.
Filed June 30, 1937. Serial No. 394,730. PUBLISHED OCTOBER 19, 1937. Class 46.

353,149. EMPTY GLASS RECEPTACLES WITH METAL CLOSURES FOR CONTAINING AND DISPENSING SPICES AND SIMILAR ARTICLES. SOCIÉTÉ MANTELET & BOUCHER, Bagnolet, France.
Filed June 30, 1937. Serial No. 394,731. PUBLISHED OCTOBER 19, 1937. Class 2.

353,150. BINDER COVER FOR LOOSE SHEETS. AMBERG FILE & INDEX COMPANY, Chicago, Ill.
Filed July 1, 1937. Serial No. 394,738. PUBLISHED OCTOBER 19, 1937. Class 37.

353,151. LIQUID FUEL LINE VAPOR TRAPS. ADOLPH V. MITTERER, Denver, Colo.
Filed July 1, 1937. Serial No. 394,751. PUBLISHED OCTOBER 19, 1937. Class 13.

353,152. ELECTRICALLY HEATED MACHINES FOR FRYING HAMBURGERS AND OTHER MEATS AND EDIBLE FOODS AND PARTS THEREOF USED IN CONNECTION WITH THE RESTAURANT, DRUG, DEPARTMENT STORE BUSINESSES AND IN PLACES OF GENERAL PUBLIC SERVICE WHERE ODORLESS COOKING IS DESIRED. THE ROTO-WAY CORPORATION, Chicago, Ill.
Filed July 1, 1937. Serial No. 394,759. PUBLISHED OCTOBER 19, 1937. Class 21.

353,153. SMOKING GOODS—NAMELY, PIPES, PIPE RACKS, AND HUMIDORS. MARK CROSS COMPANY, New York, N. Y.
Filed July 1, 1937. Serial No. 394,774. PUBLISHED OCTOBER 19, 1937. Class 8.

353,154. PERIODICAL PUBLISHED MONTHLY. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y.
Filed July 3, 1937. Serial No. 394,855. PUBLISHED OCTOBER 12, 1937. Class 38.

353,155. CARPET SWEEPERS. MODERN CARPET SWEEPER CO., INC., Brooklyn, N. Y.
Filed July 7, 1937. Serial No. 394,951. PUBLISHED OCTOBER 19, 1937. Class 23.

353,156. COCKTAIL SHERRY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,986. PUBLISHED OCTOBER 19, 1937. Class 47.

353,157. NUTTY SOLERA SHERRY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,987. PUBLISHED OCTOBER 19, 1937. Class 47.

353,158. AMONTILLADO SHERRY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,988. PUBLISHED OCTOBER 19, 1937. Class 47.

353,159. PALE SHERRY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,989. PUBLISHED OCTOBER 19, 1937. Class 47.

353,160. DINNER SHERRY. HEARN DEPARTMENT STORES, INC., New York, N. Y.
Filed July 8, 1937. Serial No. 394,990. PUBLISHED OCTOBER 19, 1937. Class 47.

353,161. WEIGHTING MATERIALS FOR OIL WELL DRILLING FLUIDS, MUDS, AND SUSPENSIONS. KANSAS CITY TESTING LABORATORY, Kansas City, Mo.
Filed July 8, 1937. Serial No. 394,991. PUBLISHED OCTOBER 19, 1937. Class 1.

353,162. MONTHLY PUBLICATION. WALTER J. BLACK, INC., New York, N. Y.
Filed July 9, 1937. Serial No. 395,010. PUBLISHED OCTOBER 19, 1937. Class 38.

353,163. SHAMPOO PREPARATIONS. JOHN H. BRECK, INC., Springfield, Mass.
Filed July 9, 1937. Serial No. 395,012. PUBLISHED OCTOBER 19, 1937. Class 6.

353,164. BALM INTENDED TO ASSIST IN THE RELIEF OF NASAL CATARRH, COLD IN HEAD, HAY FEVER, CROUP, SORE THROAT, TONSILITIS, AND KINDRED AFFECTIONS. SHERMAN D. CLEGG, doing business as Nostriola Balm Company, Dayton, Ohio.
Filed July 9, 1937. Serial No. 395,020. PUBLISHED OCTOBER 12, 1937. Class 6.

353,165. SMOCKS. BOULEVARD FROCKS, INCORPORATED, Minneapolis, Minn.
Filed July 10, 1937. Serial No. 395,061. PUBLISHED OCTOBER 19, 1937. Class 39.

353,166. HAMS. JOHN MORRELL & CO., Ottumwa, Iowa.
Filed July 10, 1937. Serial No. 395,075. PUBLISHED OCTOBER 19, 1937. Class 46.

353,167. SPAR VARNISH. FULGHUM & COMPANY, Los Angeles, Calif.
Filed July 12, 1937. Serial No. 395,146. PUBLISHED OCTOBER 19, 1937. Class 16.

353,168. LEATHER FOR SHOE UPPERS. SAMUEL SHAPIRO, New York, N. Y.
Filed July 12, 1937. Serial No. 395,154. PUBLISHED OCTOBER 19, 1937. Class 1.

353,169. WINES. G. FAVA FRUIT COMPANY, INC., Baltimore, Md.
Filed July 2, 1937. Serial No. 395,161. PUBLISHED OCTOBER 19, 1937. Class 47.

353,170. DYES, BLUING, AND A PREPARATION FOR REMOVING COLORS FROM ALL FABRICS AND STAINS FROM WHITE GOODS. NORTH AMERICAN DYE CORPORATION, Mount Vernon, N. Y.
Filed July 14, 1937. Serial No. 395,200. PUBLISHED OCTOBER 12, 1937. Class 6.

353,171. AIR CONDITIONING AND VENTILATION UNITS AND PARTS THEREOF. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed July 16, 1937. Serial No. 395,257. PUBLISHED OCTOBER 19, 1937. Class 34.

353,172. AIR CONDITIONING AND VENTILATION UNITS AND PARTS THEREOF. ANEMOSTAT CORPORATION OF AMERICA, New York, N. Y.
Filed July 16, 1937. Serial No. 395,258. PUBLISHED OCTOBER 19, 1937. Class 34.

353,173. EYE DROPS. W. V. BUXTON, Carl Junction, Mo.
Filed July 16, 1937. Serial No. 395,273. PUBLISHED OCTOBER 12, 1937. Class 6.

353,174. CHAMPAGNE WINES. CHAMPAGNE ERNEST IRROY, MAISON FONDÉE EN 1820, SOCIÉTÉ ANONYME, Reims, France.
Filed July 16, 1937. Serial No. 395,275. PUBLISHED OCTOBER 19, 1937. Class 47.

353,175. ROTARY SPRINKLERS AND SPRAY NOZZLES, ALL BEING GOODS OF ORDINARY METAL. EVERARD CURRIE BRICKHILL, London, England.
Filed July 16, 1937. Serial No. 395,289. PUBLISHED OCTOBER 19, 1937. Class 13.

353,176. SEMI-DEHYDRATED GRAPES. INTERNATIONAL GRAPE PRODUCTS CO., INC., New York, N. Y.
Filed July 16, 1937. Serial No. 395,297. PUBLISHED OCTOBER 19, 1937. Class 46.

353,177. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,309. PUBLISHED OCTOBER 19, 1937. Class 1.

353,178. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,311. PUBLISHED OCTOBER 19, 1937. Class 1.

353,179. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,312. PUBLISHED OCTOBER 19, 1937. Class 1.

353,180. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed July 16, 1937. Serial No. 395,313. PUBLISHED OCTOBER 19, 1937. Class 1.

353,181. OIL BURNER WICKS. JOSEPH R. HANSLIP, doing business as Asbestos Weaving Company, Gleasondale, Mass.
Filed July 17, 1937. Serial No. 395,344. PUBLISHED OCTOBER 19, 1937. Class 34.

353,182. ANTI-FREEZING SOLUTION FOR RADIATORS. HAROLD WILLIAM WALTER, doing business as General Research Laboratories, Muscatine, Iowa.
Filed July 17, 1937. Serial No. 395,365. PUBLISHED OCTOBER 19, 1937. Class 6.

353,183. WALL SURFACING UNITS USED FOR ACOUSTICAL CORRECTION. THE CELOTEX CORPORATION, Chicago, Ill.
Filed July 19, 1937. Serial No. 395,378. PUBLISHED OCTOBER 12, 1937. Class 12.

353,184. MATERIAL TO BE USED AS AN INGREDIENT FOR CONCRETE, MORTAR, AND THE LIKE TO IMPROVE THE PROPERTIES THEREOF, AND PARTICULARLY TO IMPROVE THE HARDNESS, TO INCREASE RESISTANCE TO WEAR AND CORROSION, AND TO LENGTHEN THE LIFE OF STRUCTURES MADE THEREFROM. THE MASTER BUILDERS COMPANY, Cleveland, Ohio.
Filed July 19, 1937. Serial No. 395,423. PUBLISHED OCTOBER 12, 1937. Class 12.

353,185. DEMOUNTABLE VEHICLE BODIES CONVERTIBLE INTO CAMP LODGINGS. GEO. W. STETSON, Hingham, Mass.
Filed July 19, 1937. Serial No. 395,435. PUBLISHED OCTOBER 19, 1937. Class 19.

353,186. NEWSPAPERS PUBLISHED FROM TIME TO TIME. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif.
Filed July 20, 1937. Serial No. 395,443. PUBLISHED OCTOBER 12, 1937. Class 38.

353,187. ROCK WOOL PRODUCTS FOR INSULATION PURPOSES—NAMELY, LOOSE WOOL, GRANULATED WOOL, AND SHEET WOOL. MASONITE CORPORATION, Chicago, Ill.
Filed July 20, 1937. Serial No. 395,454. PUBLISHED OCTOBER 5, 1937. Class 12.

353,188. PLASTIC BITUMINOUS COMPOSITION FOR GENERAL WATERPROOFING PURPOSES AND FOR USE AS FLOORING, ROOFING, AND INSULATION. WAILES DOVE-HERMISTON CORPORATION, New York, N. Y.
Filed July 20, 1937. Serial No. 395,465. PUBLISHED OCTOBER 5, 1937. Class 12.

353,189. LAUNDRY WASHING MACHINES, LAUNDRY WRINGERS AND WATER EXTRACTION DEVICES, AND IRONING MACHINES. BARLOW & SEELIG MFG. CO., Ripon, Wis.
Filed July 21, 1937. Serial No. 395,469. PUBLISHED OCTOBER 19, 1937. Class 24.

353,190. LAUNDRY WASHING MACHINES, LAUNDRY WRINGERS AND WATER EXTRACTION DEVICES, AND IRONING MACHINES. BARLOW & SEELIG MFG. CO., Ripon, Wis.
Filed July 21, 1937. Serial No. 395,470. PUBLISHED OCTOBER 19, 1937. Class 24.

353,191. NEON VEHICLE SIGNS. E. E. SOUTHER IRON COMPANY, St. Louis, Mo.
Filed July 20, 1937. Serial No. 395,505. PUBLISHED OCTOBER 19, 1937. Class 21.

353,192. SPECIAL PREPARATION OF GIANT SEA PLANT (LAMINARIA SACCHARINA) USED FOR THERAPEUTIC PURPOSES TO SUPPLY IODINE AND OTHER ESSENTIAL MINERALS IN THEIR PROPER RATIO AND IN ORGANIC FORM FOR DEFICIENCIES IN THE REGULAR DIET. NOVA-KELP COMPANY, LTD., Potsdam and Buffalo, N. Y.
Filed July 22, 1937. Serial No. 395,535. PUBLISHED OCTOBER 12, 1937. Class 6.

353,193. NAIL POLISH. ELIZABETH ARDEN INC., New York, N. Y.
Filed July 23, 1937. Serial No. 395,558. PUBLISHED OCTOBER 12, 1937. Class 6.

353,194. INSECTICIDE FOR ANTS. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., New York, N. Y.
Filed July 23, 1937. Serial No. 395,575. PUBLISHED OCTOBER 12, 1937. Class 6.

353,195. RUM. NATIONAL LIQUOR CO., INC., Hato Rey, P. R.
Filed July 23, 1937. Serial No. 395,587. PUBLISHED OCTOBER 19, 1937. Class 49.

353,196. PAPER SIZE. HERCULES POWDER COMPANY, Wilmington, Del.
Filed July 24, 1937. Serial No. 395,619. PUBLISHED OCTOBER 12, 1937. Class 6.

353,197. PULVERIZED IRON ORE. PROCESSED MATERIALS CORPORATION, Detroit, Mich.
Filed July 24, 1937. Serial No. 395,626. PUBLISHED OCTOBER 19, 1937. Class 1.

353,198. POP CORN SALTED AND IN ITS NATURAL STATE. AMERICAN POP CORN COMPANY, Sioux City, Iowa.
Filed July 26, 1937. Serial No. 395,635. PUBLISHED OCTOBER 19, 1937. Class 46.

353,199. LADIES' PAJAMAS, LADIES' BLOUSES, AND LADIES' NIGHTGOWNS AND LADIES' LOUNGING PAJAMAS. MICHAEL BERKOWITZ COMPANY, INC., New York, N. Y.
Filed July 27, 1937. Serial No. 395,659. PUBLISHED OCTOBER 19, 1937. Class 39.

353,200. OINTMENT FOR THE TREATMENT OF ITCH, ATHLETE'S FOOT, RINGWORM, TETTER, PRICKLY HEAT, ECZEMA, AND OTHER SKIN IRRITATIONS. EAGLE CHEMICAL COMPANY, Cameron, Tex.
Filed July 27, 1937. Serial No. 395,661. PUBLISHED OCTOBER 12, 1937. Class 6.

353,201. SHOE LASTS. UNITED SHOE MACHINERY CORPORATION, Boston, Mass.
Filed July 27, 1937. Serial No. 395,690. PUBLISHED OCTOBER 19, 1937. Class 50.

353,202. READY MIXED PAINTS, PAINT THINNERS, PRIMERS, PAINT ENAMELS, AND VARNISHES. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa.
Filed July 28, 1937. Serial No. 395,693. PUBLISHED OCTOBER 19, 1937. Class 16.

353,203. LINGERIE SILK PIECE GOODS. EMPIRE PIECE DYEING AND FINISHING COMPANY, Paterson, N. J.
Filed July 28, 1937. Serial No. 395,704. PUBLISHED OCTOBER 19, 1937. Class 42.

353,204. WIRE MACHINE STAPLES AND STAPLE STRIPS. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn.
Filed July 28, 1937. Serial No. 395,713. PUBLISHED OCTOBER 19, 1937. Class 13.

353,205. WIRE MACHINE STAPLES AND STAPLE STRIPS. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn.
Filed July 28, 1937. Serial No. 395,715. PUBLISHED OCTOBER 19, 1937. Class 13.

353,206. WIRE MACHINE STAPLES AND STAPLE STRIPS. THE E. H. HOTCHKISS COMPANY, Norwalk, Conn.
Filed July 28, 1937. Serial No. 395,716. PUBLISHED OCTOBER 19, 1937. Class 13.

353,207. COAT FRONTS. UNIVERSAL COAT FRONT CO., Philadelphia, Pa.
Filed July 28, 1937. Serial No. 395,725. PUBLISHED OCTOBER 19, 1937. Class 39.

353,208. SEWING MACHINES. UNION SPECIAL MACHINE COMPANY, Chicago, Ill.
Filed July 29, 1937. Serial No. 395,741. PUBLISHED OCTOBER 19, 1937. Class 23.

353,209. PHOTOGRAPHIC PREPARATIONS AND PHOTOGRAPHIC CHEMICALS. FINK-ROSELIEVE CO., INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,754. PUBLISHED OCTOBER 12, 1937. Class 6.

353,210. JOURNAL PUBLISHED MONTHLY, THE NIGHTINGALE PRESS, INC., New York, N. Y.
Filed July 29, 1937. Serial No. 395,765. PUBLISHED OCTOBER 12, 1937. Class 38.

353,211. CORN FLAKES. ALBERS BROS. MILLING CO., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., Seattle, Tacoma, and Spokane, Wash.
Filed July 30, 1937. Serial No. 395,803. PUBLISHED OCTOBER 19, 1937. Class 46.

353,212. CORN FLAKES. ALBERT BROS. MILLING CO., Portland, Oreg., San Francisco, Oakland, Los Angeles, Riverside, Fresno, Sacramento, and San Jose, Calif., Seattle, Tacoma, and Spokane, Wash.
Filed July 30, 1937. Serial No. 395,804. PUBLISHED OCTOBER 19, 1937. Class 46.

353,213. REINFORCED CONCRETE BARS. THE WEST VIRGINIA RAIL COMPANY, Huntington, W. Va.
Filed July 30, 1937. Serial No. 395,850. PUBLISHED OCTOBER 12, 1937. Class 12.

353,214. NEEDLED FELTED VEGETABLE FIBER MATERIAL. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Filed July 31, 1937. Serial No. 395,855. PUBLISHED OCTOBER 19, 1937. Class 50.

353,215. PRESSURE VESSELS, DRUMS, AND TANKS TO BE USED IN THE OIL REFINING, PETROLEUM, AND CHEMICAL INDUSTRIES. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y.
Filed July 31, 1937. Serial No. 395,864. PUBLISHED OCTOBER 19, 1937. Class 2.

353,216. MAGAZINES PUBLISHED FROM TIME TO TIME. MICROFILM PUBLISHING CORPORATION, New York, N. Y.
Filed July 31, 1937. Serial No. 395,873. PUBLISHED OCTOBER 19, 1937. Class 38.

353,217. SHEET MATERIAL ADAPTED TO BE PLASTICIZED AND TOOLED OR WORKED LIKE LEATHER. BURGESS BATTERY COMPANY, Chicago, Ill.
Filed August 2, 1937. Serial No. 395,897. PUBLISHED OCTOBER 19, 1937. Class 50.

353,218. INDOOR GAME OF BASEBALL USING MOVABLE PLAYING PIECES. OSCAR E. SEIBEL, Bloomington, Ill.
Filed August 2, 1937. Serial No. 395,932. PUBLISHED OCTOBER 19, 1937. Class 22.

353,219. MEDICINAL PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT. GEORGE WILLIAM STEWART, doing business as Tugee's Laboratories, Nashville, Tenn.
Filed August 2, 1937. Serial No. 395,934. PUBLISHED OCTOBER 12, 1937. Class 6.

353,220. AUTOMOBILE RUBBER TIRES AND INNER TUBES. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed August 3, 1937. Serial No. 395,971. PUBLISHED OCTOBER 19, 1937. Class 35.

353,221. MEDICINAL COMPOUNDS FOR RELIEF FROM ASTHMA. THE MALTINE COMPANY, New York, N. Y.
Filed August 4, 1937. Serial No. 396,000. PUBLISHED OCTOBER 19, 1937. Class 6.

353,222. READY MIXED PAINT. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed August 5, 1937. Serial No. 396,021. PUBLISHED OCTOBER 19, 1937. Class 16.

353,223. CONFECTIONS—NAMELY, CANDIES AND SALTED, UNSALTED, AND CANDY COVERED NUTS. BONOMO CANDY & NUT CORP., Brooklyn, N. Y.
Filed August 5, 1937. Serial No. 396,022. PUBLISHED OCTOBER 19, 1937. Class 46.

353,224. INSECTICIDE AND FUNGICIDE. JACK CRAMER, San Jose, Calif.
Filed August 5, 1937. Serial No. 396,027. PUBLISHED OCTOBER 19, 1937. Class 6.

353,225. MEN'S AND BOYS' DRESS AND SPORT SHIRTS. MARLBORO SHIRT CO. INC., Baltimore, Md.
Filed August 5, 1937. Serial No. 396,040. PUBLISHED OCTOBER 19, 1937. Class 39.

353,226. CIGARS. BENJAMIN CARLSON, Brooklyn, N. Y.
Filed August 6, 1937. Serial No. 396,065. PUBLISHED OCTOBER 19, 1937. Class 17.

353,227. INCENSE. HINDU INCENSE MANUFACTURING CO., Chicago, Ill.
Filed August 6, 1937. Serial No. 396,080. PUBLISHED OCTOBER 19, 1937. Class 6.

353,228. DISPLAY CASES CONTAINING COOLING OR REFRIGERATING UNITS AND REFRIGERATORS. WINTER AIR PRODUCTS CORPORATION, Chicago, Ill.
Filed August 6, 1937. Serial No. 396,096. PUBLISHED OCTOBER 19, 1937. Class 31.

353,229. LEATHER. AGOOS LEATHER COMPANIES, INC., Boston, Mass.
Filed August 7, 1937. Serial No. 396,112. PUBLISHED OCTOBER 19, 1937. Class 1.

353,230. SHEET MUSIC. DAVID L. O'SULLIVAN, New York, N. Y.
Filed August 7, 1937. Serial No. 396,152. PUBLISHED OCTOBER 12, 1937. Class 38.

353,231. [WITHDRAWN.]

353,232. WOMEN'S DRESSES. G. W. EADE AND COMPANY, Aurora, Ill.
Filed August 9, 1937. Serial No. 396,185. PUBLISHED OCTOBER 19, 1937. Class 39.

353,233. WHEAT FLOUR. HACKER FLOUR MILLS, Jefferson, Okla.
Filed August 9, 1937. Serial No. 396,189. PUBLISHED OCTOBER 19, 1937. Class 46.

353,234. MAGAZINE PUBLISHED EVERY MONTH. HAIG-KOSTKA PUBLICATIONS, INC., Stamford, Conn.
Filed August 9, 1937. Serial No. 396,190. PUBLISHED OCTOBER 19, 1937. Class 38.

353,235. FRESH CITRUS FRUITS. L. A. CITRUS DISTRIBUTORS, Los Angeles, Calif.
Filed August 9, 1937. Serial No. 396,194. PUBLISHED OCTOBER 19, 1937. Class 46.

353,236. SECTIONS OF PERIODICAL PUBLICATIONS. UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed August 9, 1937. Serial No. 396,213. PUBLISHED OCTOBER 19, 1937. Class 38.

353,237. NONALCOHOLIC FRUIT JUICES FOR BEVERAGE PURPOSES. ROBERT J. WINGFIELD, doing business as Lemon King Co., Chicago, Ill.
Filed August 9, 1937. Serial No. 396,217. PUBLISHED OCTOBER 19, 1937. Class 45.

353,238. HOP EXTRACT. LYNDON D. WOOD, Chicago, Ill.
Filed August 9, 1937. Serial No. 396,218. PUBLISHED OCTOBER 19, 1937. Class 48.

353,239. PERIODICAL PUBLISHED MONTHLY. ISADORE M. LEAVITT, Baltimore, Md.
Filed August 9, 1937. Serial No. 396,252. PUBLISHED OCTOBER 19, 1937. Class 38.

353,240. WRITING AND PRINTING PAPER. AMERICAN WRITING PAPER CORPORATION, Holyoke, Mass.
Filed August 11, 1937. Serial No. 396,254. PUBLISHED OCTOBER 19, 1937. Class 37.

353,241. PIECE GOODS OF COTTON AND RAYON. BRAND & OPPENHEIMER, INC., New York, N. Y.
Filed August 11, 1937. Serial No. 396,259. PUBLISHED OCTOBER 19, 1937. Class 42.

353,242. WATER SPORTS EQUIPMENT, COMPRISING AQUAPLANES, SURF BOARDS, WATER SKIS, SWIMMING INSTRUCTION BELTS, FLUTTER BOARDS, KICKING BOARDS, FLOATS, SKIPLANES, PORTOPLANES, RACE LANE, AND POOL FLOATS. WINNER MANUFACTURING CO., INC., Trenton, N. J.
Filed August 11, 1937. Serial No. 396,288. PUBLISHED OCTOBER 19, 1937. Class 22.

353,243. CIGARETTES. LIGGETT & MYERS TOBACCO COMPANY, New York, N. Y.
Filed August 12, 1937. Serial No. 396,319. PUBLISHED OCTOBER 19, 1937. Class 17.

353,244. PUBLICATIONS FOR THE DRUG TRADE PUBLISHED PERIODICALLY. WILLIAM DOUGLAS MCADAMS, doing business as Thompson Publishing Company, New York, N. Y.
Filed August 12, 1937. Serial No. 396,321. PUBLISHED OCTOBER 19, 1937. Class 38.

353,245. PUBLICATIONS FOR THE GROCERY TRADE PUBLISHED PERIODICALLY. WILLIAM DOUGLAS MCADAMS, doing business as Thompson Publishing Company, New York, N. Y.
Filed August 12, 1937. Serial No. 396,322. PUBLISHED OCTOBER 19, 1937. Class 38.

353,246. ESPECIALLY PREPARED CLAY PRODUCT IN POWDERED FORM MIXED WITH WATER TO FORM A LUBRICATING AND COOLING AGENT FOR CIRCULATION THROUGH THE DRILL PIPE IN ROTARY WELL DRILLING EQUIPMENT AND COMMONLY REFERRED TO IN THE TRADE AS "ROTARY MUD". OWL TRUCK & MATERIALS COMPANY, Compton, Calif.
Filed August 12, 1937. Serial No. 396,327. PUBLISHED OCTOBER 19, 1937. Class 1.

353,247. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed August 12, 1937. Serial No. 396,340. PUBLISHED OCTOBER 19, 1937. Class 46.

353,248. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed August 12, 1937. Serial No. 396,341. PUBLISHED OCTOBER 19, 1937. Class 46.

353,249. ASPHALT EMULSION. THE BARBER COMPANY, INC., Philadelphia, Pa.
Filed August 13, 1937. Serial No. 396,349. PUBLISHED OCTOBER 19, 1937. Class 12.

353,250. CHEWING GUM. INTERNATIONAL CHEWING GUM COMPANY, Cambridge, Mass.
Filed August 13, 1937. Serial No. 396,365. PUBLISHED OCTOBER 19, 1937. Class 46.

353,251. COOKIES. GEORGE WESTON, LIMITED, Passaic, N. J.
Filed August 13, 1937. Serial No. 396,379. PUBLISHED OCTOBER 19, 1937. Class 46.

353,252. DOG AND CAT FOOD. MAUDE BROWN, Los Angeles, Calif.
Filed August 14, 1937. Serial No. 396,385. PUBLISHED OCTOBER 19, 1937. Class 46.

353,253. DOG AND CAT FOOD. MAUDE BROWN, Los Angeles, Calif.
Filed August 14, 1937. Serial No. 396,386. PUBLISHED OCTOBER 19, 1937. Class 46.

353,254. CORSETS, GIRDLES, AND COMBINATION CORSETS AND BRASSIÈRES. THE H. W. GOSSARD CO., Chicago, Ill.
Filed August 14, 1937. Serial No. 396,400. PUBLISHED OCTOBER 19, 1937. Class 39.

353,255. FRESH CITRUS FRUITS. J. J. LYNN, doing business as Lynn Citrus Groves, Pharr, Tex.
Filed August 14, 1937. Serial No. 396,414. PUBLISHED OCTOBER 19, 1937. Class 46.

353,256. PRECAST JOISTS, PRECAST FLOOR SLABS, PRECAST ROOF SLABS, PRECAST STEAM LINE DUCTS, PRECAST BUILDING BLOCKS, ACOUSTIC TILE, AND REFRACTORY BRICK. VOLCANIC PRODUCTS CORPORATION, Chicago, Ill.
Filed August 14, 1937. Serial No. 396,428. PUBLISHED OCTOBER 19, 1937. Class 12.

353,257. ASPHALTIC EMULSIONS, ASPHALTIC COMPOSITIONS. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed August 16, 1937. Serial No. 396,437. PUBLISHED OCTOBER 12, 1937. Class 12.

353,258. HOSIERY. THE BON MARCHE DRY GOODS COMPANY, Lowell, Mass.
Filed August 16, 1937. Serial No. 396,442. PUBLISHED OCTOBER 19, 1937. Class 39.

353,259. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 16, 1937. Serial No. 396,449. PUBLISHED OCTOBER 19, 1937. Class 16.

353,260. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 16, 1937. Serial No. 396,450. PUBLISHED OCTOBER 19, 1937. Class 16.

353,261. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 16, 1937. Serial No. 396,451. PUBLISHED OCTOBER 19, 1937. Class 16.

353,262. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 16, 1937. Serial No. 396,452. PUBLISHED OCTOBER 19, 1937. Class 16.

353,263. READY-MIXED PAINTS. COOK PAINT & VARNISH COMPANY, North Kansas City, Mo.
Filed August 16, 1937. Serial No. 396,453. PUBLISHED OCTOBER 19, 1937. Class 16.

353,264. SOURWOOD COMPOUND, BEING A DIURETIC CORDIAL USED IN URINARY AND KIDNEY DISORDERS. THE WM. S. MERRELL COMPANY, Reading, Ohio.
Filed August 16, 1937. Serial No. 396,466. PUBLISHED OCTOBER 12, 1937. Class 6.

353,265. FACIAL TISSUES. THE SITROUX COMPANY, INC., New York, N. Y.
Filed August 16, 1937. Serial No. 396,475. PUBLISHED OCTOBER 19, 1937. Class 37.

353,266. COATED FABRICS—NAMELY, ARTIFICIAL LEATHER AND LEATHER CLOTH. ATLAS POWDER COMPANY, Wilmington, Del.
Filed August 17, 1937. Serial No. 396,486. PUBLISHED OCTOBER 19, 1937. Class 50.

353,267. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed August 18, 1937. Serial No. 396,549. PUBLISHED OCTOBER 12, 1937. Class 6.

353,268. CIRCULARS AND MONTHLY COMPILATIONS OF ADVERTISING IN BOOK FORM, SOLD TO THE TRADE AS SUCH. VAN TINE FEATURES SYNDICATE, INC., New York, N. Y.
Filed August 18, 1937. Serial No. 396,553. PUBLISHED OCTOBER 19, 1937. Class 38.

353,269. MALTLESS NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING SAME. AMERICAN NATIONAL DRINKS, INC., Cleveland, Ohio.
Filed August 20, 1937. Serial No. 396,589. PUBLISHED OCTOBER 19, 1937. Class 45.

353,270. LIQUID DENTIFRICE. FLODENT PRODUCTS CO., Baltimore, Md.
Filed August 20, 1937. Serial No. 396,603. PUBLISHED OCTOBER 12, 1937. Class 6.

353,271. COAL. C. H. SPRAGUE & SON COMPANY, Boston, Mass.
Filed August 20, 1937. Serial No. 396,616. PUBLISHED OCTOBER 19, 1937. Class 1.

353,272. FRESH CITRUS FRUITS. CARPINTERIA MUTUAL CITRUS ASSN., Carpinteria, Calif.
Filed August 21, 1937. Serial No. 396,629. PUBLISHED OCTOBER 19, 1937. Class 46.

353,273. GAME INCLUDING GAME PIECES, AND A DEVICE HAVING A ROTATABLE DISC. DERBY GAMES COMPANY, South Bend, Ind.
Filed August 21, 1937. Serial No. 396,632. PUBLISHED OCTOBER 19, 1937. Class 22.

353,274. EXPLOSIVES, BEING IN THE NATURE OF NITRATE OF AMMONIA COMPOUNDS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed August 21, 1937. Serial No. 396,633. PUBLISHED OCTOBER 19, 1937. Class 9.

353,275. CIGARETTES AND PIPE TOBACCO. CHARLES B. PERKINS COMPANY, Boston, Mass.
Filed August 21, 1937. Serial No. 396,646. PUBLISHED OCTOBER 19, 1937. Class 17.

353,276. ANTI-DESICCANT PREPARATIONS TO BE APPLIED TO LIVE PLANTS AND TREES TO PREVENT LOSS OF MOISTURE FROM TRUNK AND FOLIAGE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed August 23, 1937. Serial No. 396,673. PUBLISHED OCTOBER 12, 1937. Class 6.

353,277. PERFUME, SKIN PERFUME, FACE POWDER, AND TALCUM POWDER. PINAUD INCORPORATED, New York, N. Y.
Filed August 23, 1937. Serial No. 396,693. PUBLISHED OCTOBER 12, 1937. Class 6.

353,278. FIRE BRICK. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa.
Filed August 24, 1937. Serial No. 396,717. PUBLISHED OCTOBER 19, 1937. Class 12.

353,279. GOLF CLUBS. THE KROYDON CO. INC., Maplewood, N. J.
Filed August 24, 1937. Serial No. 396,720. PUBLISHED OCTOBER 19, 1937. Class 22.

353,280. CANDY FREE FROM THE CONSTITUENTS OF APPLE. MEADORS MANUFACTURING COMPANY, Greenville, S. C.
Filed August 24, 1937. Serial No. 396,722. PUBLISHED OCTOBER 19, 1937. Class 46.

353,281. TOILET BRUSHES—NAMELY, TOOTH, HAIR, AND NAIL BRUSHES. ROBERT G. HENRY, doing business as Henry & Company, University Park, Md.
Filed August 25, 1937. Serial No. 396,738. PUBLISHED OCTOBER 19, 1937. Class 29.

353,282. TOOTH BRUSHES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed August 26, 1937. Serial No. 396,775. PUBLISHED OCTOBER 19, 1937. Class 29.

353,283. TOOTH BRUSHES. S. H. KRESS AND COMPANY, New York, N. Y.
Filed August 26, 1937. Serial No. 396,776. PUBLISHED OCTOBER 19, 1937. Class 29.

353,284. ELECTRICAL REFRIGERATORS. BARLOW & SEELIG MFG. CO., Ripon, Wis.
Filed August 27, 1937. Serial No. 396,799. PUBLISHED OCTOBER 19, 1937. Class 31.

353,285. ELECTRICAL REFRIGERATORS. BARLOW & SEELIG MFG. CO., Ripon, Wis.
Filed August 27, 1937. Serial No. 396,800. PUBLISHED OCTOBER 19, 1937. Class 31.

353,286. PREPARATION FOR THE TREATMENT OF GALL BLADDER, BILE DUCT, AND LIVER DISTURBANCES, IN TABLET FORM. PAUL PLESSNER COMPANY, Detroit, Mich.
Filed August 27, 1937. Serial No. 396,833. PUBLISHED OCTOBER 19, 1937. Class 6.

353,287. WOOLEN PIECE GOODS. LEES-GILBERT CORPORATION, New York, N. Y.
Filed August 28, 1937. Serial No. 396,880. PUBLISHED OCTOBER 19, 1937. Class 42.

353,288. KNITTED TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL, SILK, AND ARTIFICIAL SILK. PRINCETON, INCORPORATED, Watertown, Conn., and New York, N. Y.
Filed August 30, 1937. Serial No. 396,931. PUBLISHED OCTOBER 19, 1937. Class 42.

353,289. WOVEN FABRIC MADE FROM PAPER OR OTHER FIBROUS MATERIAL. WORTENDYKE MANUFACTURING COMPANY, Richmond, Va.
Filed August 30, 1937. Serial No. 396,943. PUBLISHED OCTOBER 19, 1937. Class 42.

353,290. WOOLEN, WORSTED, LINEN, TROPICAL, AND RAYON PIECE GOODS. HERBERT R. LEEDS & Co., New York, N. Y.
Filed September 1, 1937. Serial No. 396,993. PUBLISHED OCTOBER 19, 1937. Class 42.

353,291. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. CLIFFORD ALEXANDER PEELER, doing business as Cheerwine Bottling Company, Salisbury, N. C.
Filed September 4, 1937. Serial No. 397,149. PUBLISHED OCTOBER 19, 1937. Class 45.

353,292. PRIMERS AND GRAIN RAISING INHIBITORS, IN PASTE AND LIQUID FORM, INCLUDING THEREIN A GERMICIDAL, INSECTICIDAL, OR FUNGICIDAL AGENT INHIBITING MOLD, BACTERIA, OR VERMIN. I. F. LAUCKS, INC., Seattle, Wash.
Filed September 7, 1937. Serial No. 397,193. PUBLISHED OCTOBER 19, 1937. Class 16.

353,293. SWIMMING OR BATHING DEVICES SIMULATING THE FORM OF AN ANIMAL. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,312. PUBLISHED OCTOBER 19, 1937. Class 22.

353,294. SWIMMING OR BATHING DEVICES SIMULATING THE FORM OF AN ANIMAL. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,313. PUBLISHED OCTOBER 19, 1937. Class 22.

353,295. SWIMMING OR BATHING DEVICES SIMULATING THE FORM OF AN ANIMAL. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,314. PUBLISHED OCTOBER 19, 1937. Class 22.

353,296. SWIMMING OR BATHING DEVICES SIMULATING THE FORM OF AN ANIMAL. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,315. PUBLISHED OCTOBER 19, 1937. Class 22.

353,297. SWIMMING OR BATHING DEVICES SIMULATING THE FORM OF AN ANIMAL. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed September 10, 1937. Serial No. 397,316. PUBLISHED OCTOBER 19, 1937. Class 22.

353,298. PETTICOATS, PAJAMAS, STEP-INS IN THE NATURE OF UNDERDRAWERS, CHEMISES, NEGLIGEES, KIMONOS, BOUDOIR OR LOUNGING ROBES, COSTUME SLIPS, PANTIES, ETC. HOLLAND-HESSOL CO. INC., New York, N. Y.
Filed June 2, 1937. Serial No. 393,536. PUBLISHED AUGUST 10, 1937. Class 39.

353,299. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio.
Filed September 13, 1937. Serial No. 397,393. PUBLISHED NOVEMBER 2, 1937. Class 22.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

353,300. (CLASS 37. PAPER AND STATIONERY.) ELECTUS B. WARD, Cambridge, Mass. Filed Sept. 17, 1935. Serial No. 369,427.

"Photo-Lettre"

For Letter Heads.
Claims use since Sept. 7, 1935.

353,301. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE R. T. FRENCH COMPANY, Rochester, N. Y. Filed June 19, 1936. Serial No. 379,957.

HOT DILL

THE R.T. FRENCH COMPANY

For Mustard.
Claims use since Apr. 19, 1935.

353,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PREMIER PRODUCE COMPANY, Salinas, Calif. Filed Sept. 5, 1936. Serial No. 382,961.

Swell Head

For Fresh Vegetables.
Claims use since July 23, 1936.

353,303. (CLASS 39. CLOTHING.) CHARLES LANDSBURG CO., San Francisco, Calif. Filed Sept. 19, 1936. Serial No. 383,438.

MonteRey Hats

For Women's and Misses' Hats.
Claims use since Aug. 21, 1936.

353,304. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNION FORK & HOE COMPANY, Columbus, Ohio. Filed Sept. 21, 1936. Serial No. 383,497.

"SPEEDY GRASTRIMMER"

For Grass Cutting and Trimming Implement Comprising a Scythe-Like Device of Light Weight Having an Elongated Manipulating Handle, the Latter Terminating at Its Lower End in a Laterally Extending, Horizontally Disposed Cutting Blade.
Claims use since Dec. 22, 1934.

353,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEBHARDT CHILI POWDER CO., San Antonio, Tex. Filed Sept. 23, 1936. Serial No. 383,525.

Chili-Quik

For Powder to be Mixed with Water and Meat in Making Chili Con Carne.
Claims use since Aug. 11, 1936.

353,306. (CLASS 39. CLOTHING.) FOREST CITY MANUFACTURING COMPANY, doing business as Doris Dodson Garment Company, St. Louis, Mo. Filed Oct. 10, 1936. Serial No. 384,207.

Doris Dodson

For Junior Misses' Street, Sport, and House Dresses.
Claims use since Sept. 15, 1936.

353,307. (CLASS 39. CLOTHING.) FIFE AND ARONOFSKY, Dallas, Tex. Filed Oct. 19, 1936. Serial No. 384,522.

The Model Tailors

For Men's, Women's, and Boys' Suits, Coats, and Overcoats.
Claims use since June 1, 1920.

353,308. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) OLIVER TIRE & RUBBER COMPANY, Oakland, Calif. Filed Nov. 3, 1936. Serial No. 385,106.

TUFF RED

For Rubber in Strip Form for Use in Manufacturing and Repairing Tires.
Claims use since Oct. 26, 1936.

353,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERNATIONAL SAFETY RAZOR CORP., Bloomfield, N. J. Filed Nov. 11, 1936. Serial No. 385,408.

MAJESTIC

For Razors and Razor Blades.
Claims use since Oct. 31, 1936.

353,310. (CLASS 17. TOBACCO PRODUCTS.) THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky. Filed Dec. 4, 1936. Serial No. 386,299.

ROYCROFT

For Cigarettes.
Claims use since Nov. 4, 1936.

353,311. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HEARST METROTONE NEWS, INC., New York, N. Y. Filed Dec. 16, 1936. Serial No. 386,804.

NEWS of the DAY

For Motion Picture Films.
Claims use since Nov. 9, 1936.

353,312. (CLASS 39. CLOTHING.) CARAFIOL-SILVERMAN COMPANY, St. Louis, Mo. Filed Jan. 6, 1937. Serial No. 387,495.

Paula Brooks

For Women's Wearing Apparel—Namely, Street Dresses.
Claims use since Nov. 1, 1936.

353,313. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DR. MADAUS & COMPANY, Radebeul, near Dresden, Germany. Filed Feb. 4, 1937. Serial No. 388,540.

„Madaus"

For Chemicals, Medicines, and Pharmaceutical Preparations—Viz., Alumina Colloidalis, Antimonium Crudum Colloidale, Antimonium Sulphuricum Aurantiacum Colloidale, Argentum Metallicum Colloidale, Aurum Metallicum Colloidale, Barium Carbonicum Colloidale, Bismutum Metallicum Colloidale, Bismutum Nitricum Colloidale, Calcarea Carbonica Colloidalis, Calcium Fluoratum Colloidale, Calcium Phosphoricum Colloidale, Carbo Animalis Colloidalis, Carbo Vegetabilis Colloidalis, Cuprum Arsenicosum Colloidale, Cuprum Metallicum Colloidale, Ferrum Metallicum Colloidale, Ferrum Phosphoricum Colloidale, Graphites Colloidalis, Magnesium Carbonicum Colloidale, Magnesium Phosphoricum Colloidale, Mercurius Dulcis Colloidalis, Mercurius Jodatus Flavus Colloidalis, Mercurius Solubilis Colloidalis, Mercurius Vivus Colloidalis, Platinum Metallicum Colloidale, Plumbum Metallicum Colloidale, Selenium Colloidale, Strontium Carbonicum Colloidale, Sulphur Colloidale, Zincum Metallicum Colloidale, Gold-Drops (Essentia Aurea), Honiglebertran (Cod-Liver-Oil and Honey), Herbal Tonicum, for Chloresis and as a Restorative for Convalescents, Sulphur Iodatum Immutabile; Ointment, for Eczema, Herpes, and Psoriasis, Bath Preparations for Eczema, Psoriasis, and the like; and Unguentum Ultrazinci.
Claims use since Apr. 28, 1919.

353,314. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Mar. 6, 1937. Serial No. 389,721.

SCOTTVILLE

For Men's and Boys' Outer Shirts.
Claims use since Oct. 29, 1936.

353,315. (CLASS 37. PAPER AND STATIONERY.) AMERICAN PAPER EXPORTS, INC., New York, N. Y. Filed Apr. 10, 1937. Serial No. 391,166.

RUBBERETTE

For Bond, Ledger, Document, and Index Paper.
Claims use since July, 1935.

353,316. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Aug. 6, 1937. Serial No. 396,081.

LADY MADISON

For Sanitary Napkins.
Claims use since July 3, 1933.

353,317. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEE E. BERRY, doing business as Shop & Laboratory Equipment Company, Chicago, Ill. Filed Aug. 9, 1937. Serial No. 396,176.

SURE-PULL

For Dressing for All Machine Belts.
Claims use since June 1, 1936.

353,318. (CLASS 39. CLOTHING.) DVORKIN & OKUN COMPANY, New York, N. Y. Filed Aug. 26, 1937. Serial No. 396,767.

PHILIP MORRIS CLOTHES

For Men's Clothing, More Particularly, Suits, Topcoats, Overcoats, and Trousers.
Claims use since June, 1935.

353,319. (CLASS 37. PAPER AND STATIONERY.) AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Sept. 22, 1937. Serial No. 397,639.

Chelsea

For Toilet Tissue.
Claims use since Oct. 2, 1931.

353,320. (CLASS 39. CLOTHING.) THE FORSCH-BENJAMIN COMPANY, Cleveland, Ohio. Filed Oct. 6, 1937. Serial No. 398,228.

MISS MODE

For Women's and Misses' Cloaks and Suits.
Claims use since Jan. 1, 1934.

353,321. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MACCLATCHIE MANUFACTURING COMPANY OF CALIFORNIA, Compton, Calif. Filed Oct. 7, 1937. Serial No. 398,252.

Wear-Ever

For Pistons for Pumps.
Claims use since May 15, 1933.

353,322. (CLASS 39. CLOTHING.) A. SOLOMON, New Orleans, La. Filed Oct. 12, 1937. Serial No. 398,413.

SOUTH PARK

For Summer Clothing—Namely, Suits, Coats, Pants, and Vests for Men, Young Men, and Boys.
Claims use since January, 1935.

353,323. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAXIMILLIAN D. HOPPER, doing business as M. D. Hopper, Hanford, Calif. Filed Oct. 25, 1937. Serial No. 398,902.

LUCERNE

For Fresh Fruits, Particularly Fresh Grapes.
Claims use since October, 1922.

TRADE-MARK REGISTRATIONS RENEWED

119,675. LEAD-PENCILS. Registered December 11, 1917. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed December 11, 1937.

119,676. LEAD-PENCILS. Registered December 11, 1917. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed December 11, 1937.

119,677. LEAD PENCILS. Registered December 11, 1917. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed December 11, 1937.

119,746. WATCHES. Registered December 11, 1917. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 11, 1937.

119,905. LEATHER SHOES. Registered December 18, 1917. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed December 18, 1937.

120,024. DRY GIN AND OLD TOM GIN. Registered January 1, 1918. THE GORDON'S DRY GIN COMPANY, LIMITED, New York, N. Y. Renewed January 1, 1938, to Charles Tanqueray & Co. Limited, London, England, a limited liability company of Great Britain, assignee.

120,069. WHISKY. Registered January 8, 1918. JAMES BUCHANAN & Co. LIMITED, London, England, and Glasgow and Mulben, Speyside, Scotland. Renewed January 8, 1938, to James Buchanan & Company Limited, London, England, a corporation of Great Britain.

120,159. PANCAKE, BUCKWHEAT, CORN, AND WHEAT FLOURS. Registered January 15, 1918. AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Renewed January 15, 1938, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

120,160. PANCAKE, BUCKWHEAT, CORN, AND WHEAT FLOURS. Registered January 15, 1918. AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Renewed January 15, 1938, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

120,162. COFFEE. Registered January 15, 1918. EDWARD BRONDI, doing business as Importers Mills Co., New York, N. Y. Renewed January 15, 1938.

120,584. PIPES, CIGAR AND CIGARETTE HOLDERS, TOBACCO-POUCHES, CIGARETTE-PAPER, AND PIPE-CASES. Registered February 19, 1918. KAUFMANN BROS. & BONDY, New York, N. Y. Renewed February 19, 1938, to Kaufmann Bros. & Bondy, Inc., West New York, N. J., a corporation of New Jersey, successor.

120,598. CERTAIN NAMED KNITTED, NETTED, AND TEXTILE FABRICS. Registered February 19, 1918. LIBERTY & CO. LIMITED, London, England, a corporation of Great Britain. Renewed February 19, 1938.

120,826. WHISKY. Registered March 12, 1918. JAMES BUCHANAN & Co. LIMITED, London, England, and Glasgow and Mulben, Scotland. Renewed March 12, 1938, to James Buchanan & Company Limited, London, England, a corporation of Great Britain.

120,843. WHEAT-FLOUR. Registered March 12, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Renewed March 12, 1938.

120,955. SOAPS. Registered March 19, 1918. COLGATE & Co., Jersey City, N. J., and New York, N. Y. Renewed March 19, 1938, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee.

121,180. BOOKCASES, FILING-CABINETS, FILING-CASES, AND OFFICE-CABINETS AS ARTICLES OF OFFICE FURNITURE. Registered April 16, 1918. THE GLOBE-WERNICKE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed April 16, 1938.

121,266. WHEAT-FLOUR. Registered April 23, 1918. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., and Burley, Idaho, a corporation of Colorado. Renewed April 23, 1938.

121,278. WOOD BEADING. Registered April 23, 1918. E. W. ELLIS LUMBER COMPANY, Grand Rapids, Wis. Renewed April 23, 1938, to Kinzel Lumber Company, Merrill, Wis., a corporation of Wisconsin, assignee by mesne assignments.

121,361. LEMONS. Registered April 23, 1918. TUSTIN LEMON ASSOCIATION, Tustin, Calif. Renewed April 23, 1938, to Central Lemon Association, Orange, Calif., a corporation of California, assignee.

121,394. ARTISTS' CRAYONS. Registered April 30, 1918. BINNEY & SMITH CO., New York, N. Y., a corporation of New Jersey. Renewed April 30, 1938.

121,400. DRIED FRUITS. Registered April 30, 1918. CALIFORNIA ASSOCIATED RAISIN CO. Renewed April 30, 1938, to Sun-Maid Raisin Growers of California, Fresno, Calif., an incorporated co-operative association of California, assignee.

121,612. A PREPARATION FOR THE TREATMENT OF CERTAIN NAMED DISEASES. Registered May 14, 1918. FORT WAYNE DRUG COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed May 14, 1938.

121,829. WOVEN COTTON FABRICS IN THE PIECE. Registered May 28, 1918. GEORGE ALBERT STAFFORD. Renewed May 28, 1938, to G. A. Stafford & Company, Inc., New York, N. Y., a corporation of Virginia, assignee.

LABELS

REGISTERED DECEMBER 28, 1937

50,512.—*Title:* UNION MADE GLOVES. For Gloves. AMALGAMATED CLOTHING WORKERS OF AMERICA, New York, N. Y. Published November 17, 1937.

50,513.—*Title:* SELECTED CELERY. For Celery. BOSTON BEAUTY & HIGH-GRADE CELERY CO., Boston, Mass. Published October 18, 1937.

50,514.—*Title:* BRUTON ALE. For Ale. BRUTON BREWING CO., Baltimore, Md. Published November 1, 1937.

50,515.—*Title:* B. & B. COLD CAPSULES. For Cold Capsules. LOUIS BURNSTEIN, doing business as B. & B. Products Co., Platte City, Mo. Published November 1, 1937.

50,516.—*Title:* GLORIA HAIR NET. For Hair Nets. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Published December 1, 1936.

50,517.—*Title:* HAIR NET. For Hair Nets. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Published January 1, 1937.

50,518.—*Title:* THE PERFECT HUMAN HAIR NET. For Hair Nets. WILLIAM FINKELSTEIN, doing business as Eastern Trading Company, New York, N. Y. Published December 1, 1936.

50,519.—*Title:* FOAMPOWDER. For Antiseptic Powder. FOAMPOWDER, Miami, Fla. Published April 10, 1937.

50,520.—*Title:* KOOLTEX. For Rugs. KOOLTEX RUG CO., New York, N. Y. Published September 15, 1937.

50,521.—*Title:* OLD FASHIONED NEW ENGLAND OVEN BAKED BEANS. For Baked Beans. MAINE CANNED FOODS, INC., Portland, Maine. Published August 26, 1937.

50,522.—*Title:* THE DIFFERENCE IS IN THE QUALITY. For Smoking and Twist Tobacco. W. S. MATHEWS & SONS, INCORPORATED, Paducah, Ky. Published September 23, 1937.

50,523.—*Title:* OVEN REDDY. For Milk Fed Chicken. PERRY BROS., Seattle, Wash. Published February 1, 1937.

50,524.—*Title:* PRINZ BREAD. For Bread. THE PRINZ BAKING CO. INC., Owensboro, Ky. Published September 8, 1937.

50,525.—*Title:* PENNANT SYRUP. For Syrup. UNION STARCH AND REFINING COMPANY, Columbus, Ind. Published October 16, 1937.

50,526.—*Title:* PENNANT SYRUP. For Syrups. UNION STARCH AND REFINING COMPANY, Columbus, Ind. Published October 16, 1937.

50,527.—*Title:* CHOCOLATE FLAVORED OVALTINE. For a Food Beverage. THE WANDER COMPANY, Chicago, Ill. Published November 6, 1937.

50,528.—*Title:* SANDRA JEAN. For Cosmetics. WILLIAM WOLF, Newark, N. J. Published April 12, 1937.

50,529.—*Title:* ROYAL ESQUIRE. For Cosmetics. WILLIAM WOLF, Newark, N. J. Published April 23, 1937.

PRINTS

REGISTERED DECEMBER 28, 1937

16,632.—*Title:* BABY'S FIRST SOLID FOOD MUST BE PERFECTLY DIGESTIBLE! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published November 25, 1937.

16,633.—*Title:* BLACK AND WHITE. For Neckties. KEYS & LOCKWOOD, New York, N. Y. Published October 20, 1937.

16,634.—*Title:* GET ALONG DOGGIE. For Hot Dogs. ROBERT MILLER, Auburn, Wash. Published November 1, 1936.

16,635.—*Title:* SNO KIST. For Holiday Wreaths. KATE C. SHOTWELL, Rosedale, Petoskey, Mich. Published November 3, 1937.

16,636.—*Title:* THREE EPOCHAL YEARS. For Vitamin Products. U. S. VITAMIN CORPORATION, Dover, Del., and New York, N. Y. Published January 2, 1937.

16,637.—*Title:* WILLSON SUN GLASSES. For Sun Glasses. WILLSON PRODUCTS, INC., Reading, Pa. Published October 21, 1937.

16,638.—*Title:* WILLSON SUN GLASSES FOR DRIVING, SPORTS, AND BEACH WEAR. For Sun Glasses for Driving, Sports, and Beach Wear. WILLSON PRODUCTS, INC., Reading, Pa. Published October 21, 1937.

REISSUES

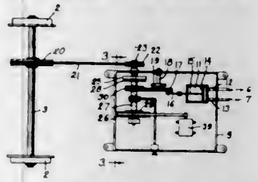
DECEMBER 28, 1937

20,603
REFRIGERATING SYSTEM AND CONTROL MECHANISM THEREFOR

Benjamin L. Gates, Spokane, Wash., assignor of one-half to H. Luella Beamish, Spokane, Wash.

Original No. 1,827,981 dated October 20, 1931, Serial No. 226,341, October 15, 1927. Application for reissue October 9, 1933, Serial No. 692,909

31 Claims. (Cl. 62—117)



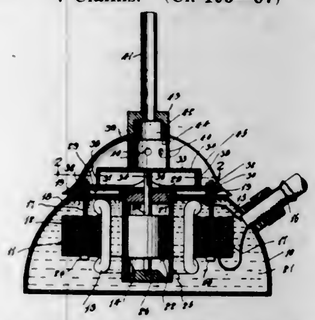
4. In a vehicle, the combination with a refrigerating compartment, of cooling mechanism therefor, an operative connection between a rotating shaft of said vehicle and said cooling mechanism, means for disengaging said connection, secondary driving means for said cooling means, means for disengaging said secondary driving means, and connections between both of said disengaging means permitting connection of only one at a time.

20,604
SUBMERSIBLE PUMP AND ELECTRIC MOTOR UNIT

James Fred Haldeman, Martinsville, Ind.

Original No. 2,004,866, dated June 11, 1935, Serial No. 746,919, October 4, 1934. Application for reissue February 18, 1937, Serial No. 126,528

7 Claims. (Cl. 103—87)



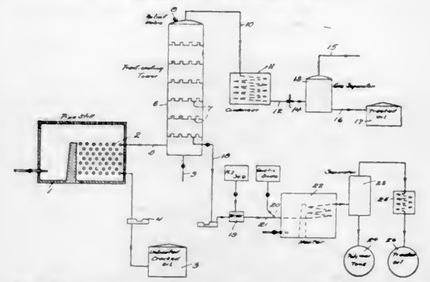
1. A device of the class described comprising a casing having a chamber, an impeller in said chamber, a discharge pipe leading from the casing, said discharge pipe having an inlet, said chamber having an outlet opening, a hood secured over said casing by said discharge pipe to confine the discharge from the chamber and cause it to pass into the inlet of the discharge pipe, a plate adjacent the bottom of the hood surrounded by the hood and having an opening constituting an inlet for the chamber, a base having an electric motor therein, the armature shaft of the motor extending above the base and through said plate opening and driving the impeller, bolts connecting the field core of the motor, said casing and plate together, and means spacing the plate and casing from the base and surrounding said bolts.

20,605
METHOD OF TREATING CRACKED PETROLEUM DISTILLATES

Rudolph C. Osterstrom, Kenilworth, and Cary R. Wagner, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Original No. 1,891,108, dated December 13, 1932, Serial No. 426,122, February 5, 1930. Application for reissue September 18, 1934, Serial No. 744,562

8 Claims. (Cl. 196—93)



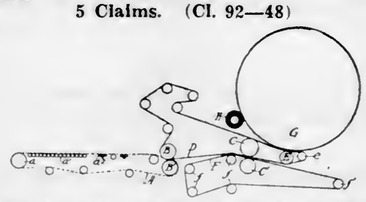
5. The method of removing gum-forming and color-imparting bodies from low boiling cracked oil vapors which consists in contacting said vapors in a fractionating zone with a plurality of bodies of liquid hydrocarbons at temperatures above the vaporizing temperature of gasoline but below cracking temperature and at high superatmospheric pressure for a period of time ranging from approximately 15 minutes to 3 hours, and condensing the degummed vapors.

20,606
PAPER MAKING MACHINE

Charles R. Seaborne, Appleton, Wis., assignor, by mesne assignments, to American Lakes Paper Company, Waukegan, Ill., a corporation of Delaware

Original No. 1,517,018, dated November 25, 1924, Serial No. 676,705, November 24, 1923. Application for reissue June 25, 1936, Serial No. 88,268

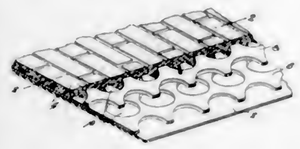
5 Claims. (Cl. 92—48)



1. In combination, a drying cylinder of a paper making machine, and a marking roll arranged to

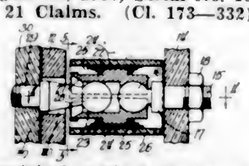
be forced toward said cylinder so as to directly engage and compress a web of paper manufactured by said paper making machine between said drying cylinder and said marking roll to accomplish an ornamental marking thereof, said marking roll comprising: a rigid core, a continuous, single, one-piece outer sleeve-like layer of hard rubber, and means resiliently supporting said outer sleeve-like layer relatively to said core, said means including a cushioning layer of relatively soft rubber interposed between said core and said outer sleeve-like layer; the outer surface of said outer sleeve-like layer being finished concentric with respect to the axis of rotation of said marking roll, as by a grinding operation, said marking roll and drying cylinder being relatively crowned so as to maintain a substantially uniform nip pressure across a web of paper, portions of the material of said outer ground surface being removed, as by an engraving operation, so as to leave lands which constitute a design that it is desired to impart to a web of paper during a marking operation thereon, said lands being sufficiently rigid to effect a desired marking and being sufficiently resilient to avoid injuring a web of paper when used in direct contact therewith during a marking operation.

20,607
BUILDING MATERIAL
John Tomec, Trenton, N. J.
Original No. 2,075,373, dated March 30, 1937, Serial No. 34,510, August 3, 1935. Application for reissue June 25, 1937, Serial No. 150,342
11 Claims. (Cl. 154—45.9)



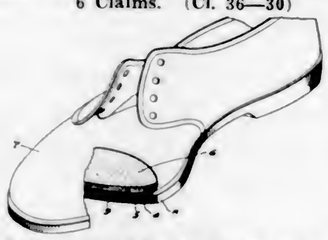
1. Building material embodying two sheets each formed with openings therein, the openings in one sheet having the edges thereof overlapping the edges of the openings in the other sheet and a plastic layer of wear receiving material applied to and covering the surface of one sheet only and extending through the openings in said sheet and into the openings in the other sheet.

20,608
ELECTRICAL CONTACT DEVICE
Charles H. Koehler, Oak Park, Ill.
Original No. 2,086,424, dated July 6, 1937, Serial No. 724,118, May 5, 1934. Application for reissue August 16, 1937, Serial No. 159,442
21 Claims. (Cl. 173—332)



1. An electrical contact device comprising a terminal stud having a ball contact tip, a plurality of contact shoes recessed to have ball and socket engagement about said tip and defining a cylindrical opening extending outwardly of said top, an enclosing housing supported about said shoes, spring means biased against said housing and said shoes, and a male contact plug engageable within the opening formed by said shoes, said spring means equalizing the pressure between each of said shoes and said contact tip and contact plug.

20,609
SHOE
Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Original No. 2,075,432, dated March 30, 1937, Serial No. 735,759, July 18, 1934. Application for reissue November 2, 1937, Serial No. 172,410
6 Claims. (Cl. 36—30)



4. A shoe comprising an upper, an outsole, an insole including a highly porous body layer of sisal fibers loosely matted together but secured to each other at their intersections by an adhesive binder, and means securing said outsole and said insole together.

PLANT PATENTS

GRANTED DECEMBER 28, 1937

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

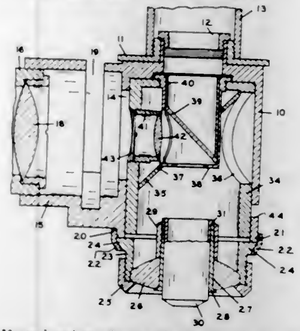
265
BEGONIA
Rocco Zeparo, Arlington, Mass.
Application October 31, 1935, Serial No. 47,707
Renewed July 23, 1937
1 Claim. (Cl. 47—59)

The begonia plant of parentage *semperflorens streigau* × sport of Winter Romance, substantially as herein shown and described, characterized in that it bears an unusually large flower of deep salmon color, blooms for six months, is resistant to plant disease and not subject to damping-off, and puts out, when cultivated in hothouses, new folliage and flowers in two months after cutting back.

PATENTS

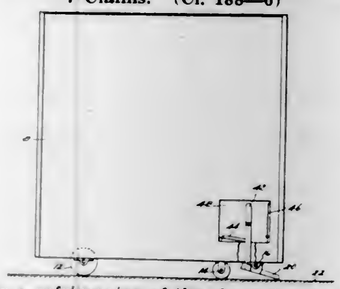
GRANTED DECEMBER 28, 1937

2,103,230
MICROSCOPE ILLUMINATOR
James R. Benford, Rochester, and Leon V. Foster, Irondequoit, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application June 30, 1937, Serial No. 151,200
3 Claims. (Cl. 88—40)



1. An illuminator for attachment to the body tube of a microscope, said illuminator comprising a casing having means for attaching it to said body tube, a second casing secured at the lower end of the first casing, a light condensing element having a central aperture secured in said second casing, an objective mounted in said aperture in alignment with said body tube, a housing rotatably mounted in said first casing above said second casing, an inclined annular reflector mounted in said housing in alignment with said condensing element, a semi-reflecting element mounted in said housing in alignment with said objective at an inclination opposite to that of said annular reflector, said casing having an opening in one side thereof to admit light to said housing and means for rotating said housing to present selectively said annular reflector or said semi-reflecting element to the opening in said casing.

2,103,231
TRANSPORTABLE ANCHORABLE REFRIGERATOR
Henry W. Blake, Kansas City, Mo., assignor to William F. Kirk, Kansas City, Mo.
Application May 8, 1936, Serial No. 78,726
7 Claims. (Cl. 188—6)

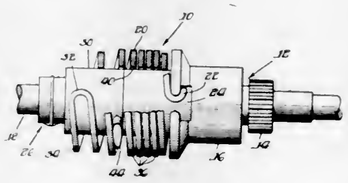


1. In a refrigerator of the character described, a case having a cavity formed in one side thereof; a plurality of rollers on the case for rendering the same mobile; anchoring elements movable to and from a position in engagement with the supporting surface; and operating mechanism for so moving the anchoring elements, said anchoring elements having yieldable means for urging the same against the said supporting surface when the operating mechanism has moved the said elements to the position in engagement with the said supporting surface, said anchoring elements being attached to the operating mechanism by means permitting limited movement of the elements independently of the said operating mechanism.

2,103,232
LEATHER AND PROCESS FOR THE MANUFACTURE THEREOF
Hugo Böhm, Munich, Germany
No Drawing. Application January 23, 1937, Serial No. 121,981. In Germany December 5, 1935
5 Claims. (Cl. 149—1)

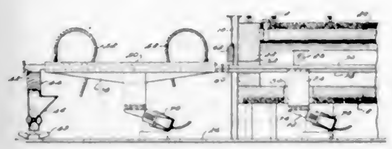
1. In a process of producing smooth surface leather from stomachs or paunches of ruminants which includes tanning the leather, the operation of removing tufts and irregularities which comprises treating with slaked lime, stretching and drying the material without degreasing, and abrading to remove tufts and irregularities.

2,103,233
ENGINE STARTER
James A. Charter, Chicago, Ill., assignor to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois
Application December 31, 1936, Serial No. 118,535
11 Claims. (Cl. 74—9)



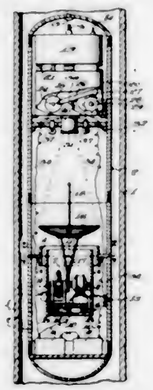
1. An engine starter of the type in which a pinion and a spring coupled therewith move together as a unit, said spring including a double coil of spring wire forming a series of convolutions, a portion of the convolutions at least being spaced to provide a helical way, means traversing said helical way toward one extremity of said coiled spring, providing an abutment surface adapted to be engaged for driving purposes, coupling means provided at the free extremity of each strand at the opposite end of said coiled spring for coupling with said pinion, and a drive shaft unit centrally of the spring, the convolutions being normally spaced therefrom, a portion at least of said convolutions being bent inwardly to contact said drive unit whereby to position said spring with respect to the drive unit.

2,103,234
FURNACE STRUCTURE
Julius A. Clauss, Detroit, and Donald E. McGuire, Wyandotte, Mich.
Application December 24, 1934, Serial No. 759,022
6 Claims. (Cl. 263—21)



1. In combination, a furnace, a closed section substantially gas tight retort projecting through said furnace and extending beyond opposite ends thereof in generally spaced relation with respect to the interior walls of said furnace, means for feeding material to said retort including a flexible connection therewith, means for discharging material from said retort including a flexible connection therewith, a plurality of electric vibrating units positioned exteriorly of said furnace in spaced relation to each other longitudinally of said retort, means projecting through a wall of said furnace connecting said units and said retort whereby to bodily vibrate said retort to effect a movement of material therethrough, and a common control means for all of said units whereby to cause them to vibrate in synchronism with each other.

2,103,235
INSTRUMENT FOR DETERMINING THE DEVIATION OF BORE HOLES
Joshua C. Conrad, Oklahoma City, Okla.
Application August 17, 1936, Serial No. 96,448
6 Claims. (Cl. 33—205.5)



1. An instrument for photographically indicating the deviation of bore holes from the vertical including means arranged to maintain a given orientation and carrying a calibrated element said element comprising a concave having a centrally disposed and upwardly extending pin, illuminating means, photographic means normally following the angle of said bore hole for recording on a moving film the angular positions of said pin with respect to said concave, whereby to determine the angular relationship between said bore hole and said first means.

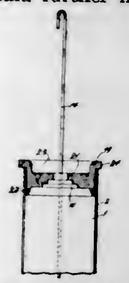
2,103,236
SUCKER ROD STABILIZER
Chester L. Coshow, Oklahoma City, Okla., assignor of thirty-five percent to Lucille A. Huguley and thirty-five percent to John E. Lucas, both of Oklahoma City, Okla.
Application January 6, 1937, Serial No. 119,284
1 Claim. (Cl. 255—27)



In a device of the class described, in combination with a sucker rod, a cylinder, a plug for closing the lower end of said cylinder having a downward extension with a box for connecting with a sucker rod, a stuffing box closure for the upper end of said cylinder having slots on its lower face, a gland member for said stuffing box having an upward extension provided with fishing rings, a piston rod for reciprocating through said stuffing box, a pin formed on the upper end of said piston rod for connecting with a sucker rod, a piston secured to the lower end of said piston rod for reciprocation within the said cylinder, lugs formed on the upper face of said piston for registering in said slots of said stuffing box for locking said piston rod and piston against turning with reference to said cylinder, said piston having longitudinal ports formed therein for the passage of fluid therethrough, ball checks for said ports, perforated plugs for said balls, one of said ports being larger than the other, having the ball check and perforated plug at the top to allow the fluid within said cylinder to flow upward through said larger port and the other and smaller of said ports having the ball check and perforated plug at the bottom of said cylinder to allow the fluid to flow downward through said smaller of said ports.

2,103,237
METHOD FOR MAKING SANCTUARY CANDLES
Danvers O. C. Deckert, St. Louis, Mo.
Application December 18, 1936, Serial No. 116,475
1 Claim. (Cl. 18—58)

The method of making a candle having a permanent casing comprising, flowing molten material into the casing, allowing said material to harden against the walls of the casing, leaving through shrinkage a central cavity at the top thereof, placing a mold piece within the top of the casing, flowing further molten material into the cavity and against the underside of said mold piece, allowing said further material to harden

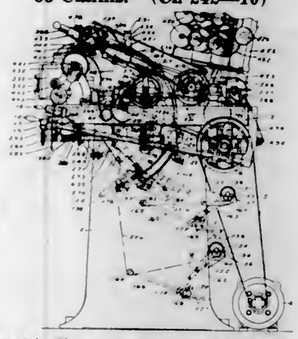


in contact with the underside of the mold piece to form a mound, and removing the mold piece.

2,103,238
SYNTHETIC RESIN MANUFACTURE
Herbert O. Albrecht, Ronald A. McGlone, and Stephen John Roskosky, Flint, Mich., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1934, Serial No. 735,049
11 Claims. (Cl. 260—8)

1. A process for making resins of low acid number which comprises heating to resinification a reaction mixture of phthalic anhydride and glycerol in the presence of a copper compound in solution in the reaction mixture, said compound containing not less than 0.002% copper based upon the weight of the reacting ingredients, and thereby producing a resin having an acid number at least 50% less than a resin similarly made in the absence of said copper compound.

2,103,239
WINDING MACHINE
James C. Anderson, deceased, late of Elmhurst, N. Y., by Annie G. Anderson, executrix, Elmhurst, N. Y., assignor, by mesne assignments, to Alcet Electro Products Corporation, New York, N. Y., a corporation of Delaware
Application April 7, 1926, Serial No. 100,319
Renewed July 29, 1936
33 Claims. (Cl. 242—10)

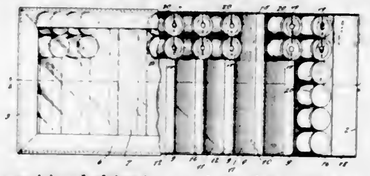


1. In a winding machine, a winding spindle, means for winding sheet material on said spindle, a plurality of independently revoluble holders for sheet material, selective means operable to place the material on any of said holders in operative position independently of unselected material of the other holders, and means to supply strand material to the sheet material being wound.

2,103,240
NONSPECIFIC SPERMATOXIC VACCINE AND PROCESS OF PRODUCING SAME
Morris J. Baskin, Denver, Colo.
No Drawing. Application July 6, 1935, Serial No. 30,162
12 Claims. (Cl. 167—78)

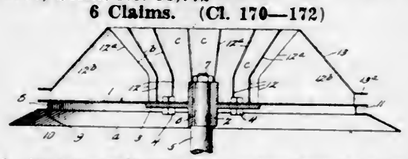
1. A spermatoxic vaccine containing mammalian spermatozoa rendered non-specific by heat.

2,103,241
DISPLAY DEVICE
John Bell, Yonkers, N. Y., assignor to The Spool Cotton Company, New York, N. Y., a corporation of New Jersey
Application January 22, 1935, Serial No. 2,888
1 Claim. (Cl. 206—44)



A combined shipping and display package comprising a box having a flat bottom and a removable cover parallel to each other when the cover is in place on the box, spools within the box and arranged in closely adjacent transverse rows, the longitudinal axes of said spools being parallel to each other and inclined to the perpendicular, a stepped support between said spools and bottom and comprising inclined seats engaging the bottoms of the spools and backs connecting the edges of adjacent seats, said seats and backs being disposed at right angles to each other and the lower edges of the seats and backs resting on said bottom of the box, the lowest and highest points of the spools lying respectively in parallel horizontal planes spaced apart a vertical distance substantially equal to that between the bottom and cover of the box, the spools in one row overlapping those in an adjacent row, the spools in each row being freely removable from the box in a direction parallel to their longitudinal axes without disturbing the spools in adjacent rows and each spool having its top end and part of its side visible when in the box, each end row being spaced a clear distance from the adjacent end of the box which is insufficient to accommodate another row of similarly arranged and inclined spools but which is sufficient to permit ready removal of the spools in said end row.

2,103,242
AIRCRAFT PROPELLER
William W. Bradford, Jr., Bel Air, Md., assignor to Howard R. Hyle, Catonsville, Md., Eldridge Hood Young, Baltimore, Md., and Stanley Turner Holmes, Harford County, Md.
Substitute for application Serial No. 556,909, August 13, 1931. This application August 31, 1936, Serial No. 98,772
6 Claims. (Cl. 170—172)



1. An air-craft propeller comprising a shaft, a disc secured centrally to the shaft, a circular

series of radially arranged members forming air channels on the forward side of the disc, said channels being open and relatively deep at their inner ends and converging to restricted outlets at the periphery of the disc, and a ring of sheet material connected to the rear side of the disc inwardly from the periphery of the disc and offset from the latter, said ring being concentric with the disc and projecting radially beyond the disc.

2,103,243

AIRCRAFT PROPELLER

William W. Bradford, Jr., Bel Air, Md., assignor to Howard R. Hyle, Catonsville, Md., Eldridge Hood Young, Baltimore, Md., and Stanley Turner Holmes, Harford County, Md.

Substitute for application Serial No. 605,741, April 16, 1932. This application September 21, 1936, Serial No. 101,833

17 Claims. (Cl. 170—172)



1. An air-craft propeller comprising a head adapted for connection to a propeller shaft and a plurality of wings spaced apart circumferentially of the head, each wing comprising an oblong base and top plates extending laterally from said head, the top plate being of less width than the base plate and extending over the forward part of the latter, and spaced partitions forming transverse air passageways between said plates, the discharge ends of said passageways being spaced from the base plate.

2,103,244

MATTRESS PROTECTOR

Frederick Y. Briscoe, Newton, Mass.

Application June 4, 1935, Serial No. 24,958

1 Claim. (Cl. 24—72.5)



A securing device comprising a bar having surface portions adapted to engage sheeting passing thereabout, a sleeve having a slit extending from end to end thereof and receiving the bar and a portion of the sheeting by inserting the bar endwise into one end of the sleeve with the sheeting extending outwardly of the sleeve by way of the slit, said bar having a diameter less than the diameter of said sleeve to provide a space between the sleeve and the bar filled by the sheeting passing about the bar to establish a frictional contact between the bar and the sleeve, and a loop secured to the bar and extending through the slit to lie partially outwardly of the sleeve.

2,103,245

RUBBERIZED PRODUCT

Edward G. Budd, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application December 21, 1933, Serial No. 703,407

6 Claims. (Cl. 117—53)

1. As a new article of manufacture, a rayon yarn for reinforcement in rubberized products, such as cord tires, heavy duty tires and the like, of from approximately 1000 to 4000 denier or more, comprised of a bundle of filaments of from approximately 1⅔ to approximately 2½ denier, the bundle being twisted into a single thread.

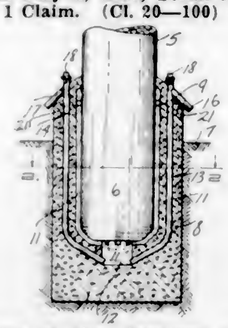
2,103,246

PROTECTIVE BASE FOR POLES

Henry P. Coustette, San Francisco, Calif.

Application July 2, 1936, Serial No. 88,628

1 Claim. (Cl. 20—100)



In a device of the character described, a molded base having a vertical bore extending thereinto, a sump communicating with said bore, pipes positioned in said molded base and having their lower extremities communicating with said sump and having their upper extremities exposed whereby moisture in said sump may be withdrawn therefrom.

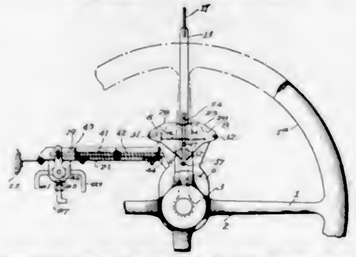
2,103,247

SIGNAL MEANS

Victor Cranford, San Fernando, Calif.

Application May 27, 1935, Serial No. 23,560

1 Claim. (Cl. 116—36)



In combination with a vehicle having a body portion and a portion movable relative to said body portion during a change in course of said vehicle, a signal indicator control device which comprises: lever means pivotally mounted for movement to positions to the right and left sides, respectively, of a central neutral position, said lever means being provided with operative association with a signal indicator to effect operation of said indicator to right-turn and left-turn indicating positions upon movement of said lever means to the respective right and left side positions; spring means biasing said lever means to said neutral position; a supporting structure mounted on said body portion and provided with two spaced detent means disposed respectively in positions corresponding to the aforesaid right and left side positions of said lever means; latch means carried by said lever means and adapted to engage said detent means to cause said lever means to persist in one of said right and left side positions upon manual movement thereof to said position; a release member pivotally mounted on said supporting structure adjacent each of said detent means and biased toward normal positions for engagement by said latch means upon movement of said lever means to the respective right and left side positions, said latch means being adapted to bear against the respective release members when moved into engagement with the respective detent means to move such release member about its pivot to a displaced position; an actuating member secured to said relatively movable vehicle portion and constrained to move through a fixed path during a change in course of said vehicle, each of said release members being provided with a portion positioned in said fixed path when in said displaced position and movable out of said fixed path about its respective pivot upon engagement thereof by said actuating member, the release member associated with the right-side detent means being adapted to draw away from said latch means upon engagement of said portion of said release member by said actuating member in one direction corresponding to a change in course of said vehicle to the right and to move to normal position and force said latch means from said detent means upon engagement of said portion by said actuating member in the other direction corresponding to a change of course of the vehicle to the left, and the release member associated with the left-side detent means being adapted to draw away from said latch means upon engagement of said portion by said actuating member in said other direction and to move to normal position and force said latch means from said detent means upon engagement of said portion by said actuating member in said one direction.

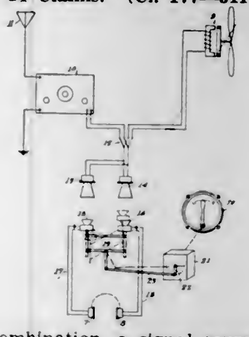
2,103,248

BINAURAL FLYING

Luis de Florez, New York, N. Y., assignor to National Aviation Research Corporation, New York, N. Y., a corporation of Delaware

Application March 7, 1935, Serial No. 10,195

14 Claims. (Cl. 177—311)



10. In combination, a signal source, speakers energized thereby, pickup devices movably related to said speakers, binaural receivers connected with said pickup devices and turn sensitive means for effecting the shifting of said pickup devices reversely toward and away from said speakers.

2,103,249

PRODUCTION OF REFRACTORIES

Howard P. Eells, Jr., Willoughby, Ohio, assignor to Basic Dolomite, Incorporated, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 30, 1933, Serial No. 695,954

6 Claims. (Cl. 106—9)

1. A method of producing refractories, which comprises crushing a refractory base-material to desired size, applying to the particle-surfaces a water-resistant medium, and while the latter is tacky applying a comminuted flux ingredient without substantial agglomeration of the particles together.

2,103,250

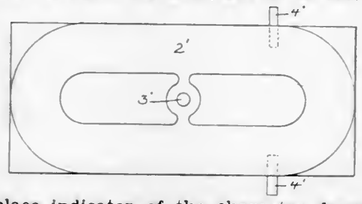
PLACE INDICATOR

Robert M. Eichelsdoerfer, Governors Island, N. Y.

Application January 29, 1935, Serial No. 3,911

1 Claim. (Cl. 40—28)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A place indicator of the character described comprising a base, a transparent holding sheet overlying the base and corresponding in miniature to the outline of the top of the table around which the guests are to be assembled, said holding sheet throughout its entire surface area presenting a continuously flat and uninterrupted surface to the underlying surface of the base whereby said holding sheet, throughout its surface area will have frictional contact with said base, fastening means securing said holding sheet to said base, said sheet when secured in position co-acting with the underlying surface of the base to form a single pocket coextensive with the edge of said base, and a series of markers, each marker being adapted to bear the name of a guest, said markers being seated within the pocket and shiftable therein to positions commensurate with the rank and social standing of the guests, the markers being frictionally secured to the adjacent surfaces of the transparent holding sheet and the base with their extremities extending beyond the edge of said sheet whereby said markers may be conveniently grasped for removal and for shifting within the pocket, and the name of the guest on the marker readily discerned through the transparent holding sheet in any position to which said marker may have been shifted.

2,103,251

LIGHT SIGNAL

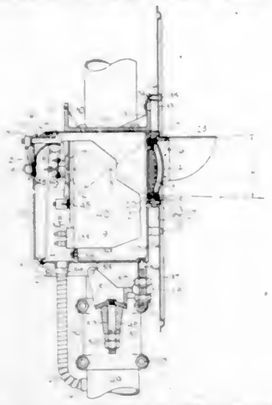
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Original application August 10, 1926, Serial No. 128,437. Divided and this application September 8, 1931, Serial No. 561,802

7 Claims. (Cl. 177—329)

1. In a light signal, a housing adapted to carry

a lens in the front thereof, a lens in said housing, lugs in said housing having holes formed therein, a mechanism casing containing mechanism adapted to control rays of light passing to said lens, a source of light for said lens carried by said mechanism casing, dowel pins on said



mechanism casing adapted to fit the holes in said lugs, and locking means for said mechanism casing, comprising a bar having ears adapted to engage said housing and spring pressed studs adapted to hold the mechanism casing and source of light in accurate relationship to said lens.

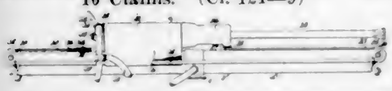
2,103,252

ROCK DRILL

Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application March 6, 1934, Serial No. 714,317

10 Claims. (Cl. 121—9)



1. In a rock drill, a feeding mechanism comprising a pneumatic feeding device comprising a plurality of feed motor parts held in assembled relation by parallel longitudinally extending tie rods and embodying a power feeding element, and a drilling unit mounted on said feeding mechanism and having guide elements slidably engaging said tie rods, said tie rods constituting the sole support for the drilling unit whereby the latter is supported and guided wholly independently of said power feeding element.

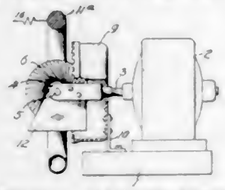
2,103,253

SOLID WEAVE SCANNING DEVICE

Delamere B. Gardner, Los Angeles, Calif.

Application October 2, 1936, Serial No. 103,688

6 Claims. (Cl. 178—7.3)



1. In combination, a mirror, means for rotating said mirror and simultaneously rotating its axis of rotation to produce a mirror screen on which a projected image may be viewed, means encompassing the mirror for illuminating said screen, and means blocking the flow of light to the screen from one side of said illuminating means.

2,103,254

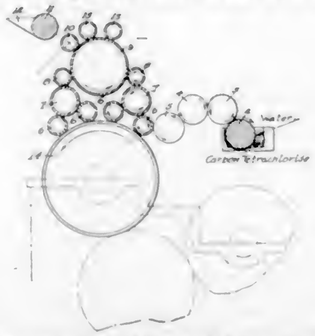
DUAL DAMPENING AND INKING MECHANISM FOR PLANOGRAPHIC AND ANALOGOUS PRESSES

John G. Goedike, San Antonio, Tex.

Application February 1, 1937, Serial No. 123,458

8 Claims. (Cl. 101—148)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of inking and dampening printing surfaces of planographic and analogous printing members, which consists in transmitting water from a source of supply to an inking mechanism, transmitting the water together with a film of ink to said printing member through said ink distributing system, whereby an ink repelling coating of water will be applied to the non-design portions of a printing surface and ink will be applied to the design portions of said surface.

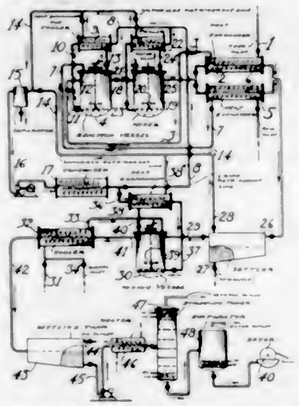
2,103,255

IMPROVED PROCESS FOR PREPARATION OF SULPHURIC DERIVATIVES

Edwin J. Gohr, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 9, 1934, Serial No. 752,283

12 Claims. (Cl. 260—99.12)



1. In the preparation of organic derivatives of sulphuric acid by treatment of an olefine with excess strong sulphuric acid at a low temperature

and the subsequent reduction in the strength of the excess sulphuric acid sufficient to prevent further action of said excess acid in said reaction mixture by means involving liberation of heat, an improved method of operation comprising conducting both of said steps in the presence of an added liquid refrigerant sufficient in quantity to remove the heat evolved in both the acid reaction and the acid strength reducing step which removes heat from the reaction mixture by vaporization.

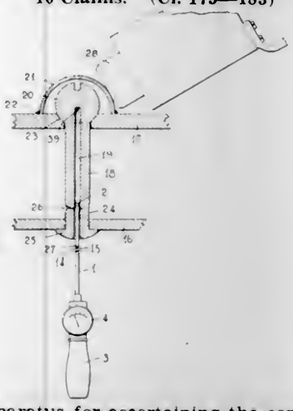
2,103,256

METHOD OF AND MEANS FOR TESTING STAYBOLTS

Grover R. Greenslade, Scott Township, Allegheny County, Pa., assignor to Pittsburgh Dry Stencil Company, a corporation of Pennsylvania

Application September 4, 1934, Serial No. 742,656

10 Claims. (Cl. 175—183)



1. Apparatus for ascertaining the condition of a telltale staybolt temporarily energized by substantially longitudinal alternating magnetic flux, the said apparatus including a testing implement provided with an attenuated portion movable within the telltale hole of the bolt for determining the condition of the bolt by magnetic exploration of the telltale hole thereof.

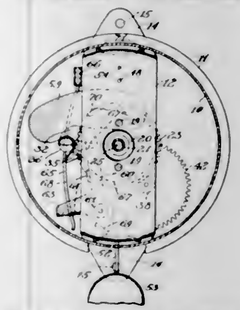
2,103,257

TIMING DEVICE

Herbert Hastings, Brighton, N. Y.

Application February 20, 1935, Serial No. 7,426

10 Claims. (Cl. 161—23)



1. In a timing device, the combination of a casing, timing mechanism within the casing, means for setting the timing mechanism for operation for a predetermined period, a movable element within the casing for striking the latter to sound a signal, said element having spaced operating and holding parts thereon, and spring means engaging said operating part for moving said element from a predetermined position to striking position and engaging said holding part to cushion said element when rebounding upon completion of each striking operation, said timing mechanism operating when being set to move said element to said predetermined position at which it will be held through engagement of the spring means with said operating part during operation of the timing mechanism, said timing mechanism when completing its period of operation effecting movement of said element from said predetermined position to free it for movement by the spring means to striking position.

4. In a timing device, the combination of a casing, a supporting bracket for the casing disposed therein and having rearwardly extending upper and lower arms within the casing, said lower arm having an opening therein, a supporting member extending between said arms and connected therewith, timing mechanism supported by the bracket within the casing including an actuating member, escapement mechanism disposed on said supporting member, means operatively connecting the actuating member with the escapement mechanism, a pendulum for controlling the operations of the escapement mechanism, said pendulum depending from the supporting member and extending through the opening in said lower arm, and means for setting the timing mechanism and for indicating the extent of its operation.

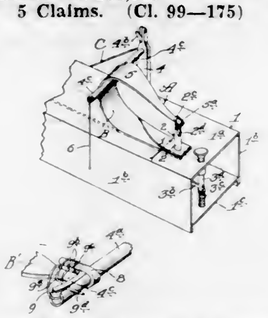
2,103,258

SAUSAGE CASING AND METHOD OF EFFECTING CLOSURE THEREOF

Henry A. Hensel, Milwaukee, Wis., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia

Original application May 23, 1936, Serial No. 81,431. Divided and this application October 7, 1936, Serial No. 104,505

5 Claims. (Cl. 99—175)



2. A sausage casing having a portion thereof passed through the material of another portion thereof to form a knot, and a cord wrapped around said casing adjacent said knot and passed through said knot whereby tension on said cord tightens the grip of said cord on said casing.

2,103,259

EPICYCLIC GEAR TRAIN

Henry C. Hitt, Bremerton, Wash.

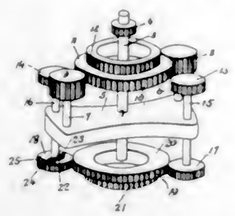
Application January 15, 1936, Serial No. 59,229

5 Claims. (Cl. 74—282)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

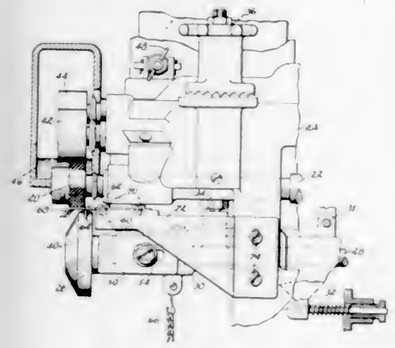
1. An epicyclic gear train, comprising an input shaft, an arm member fixed thereto to ro-

tate therewith having portions extending radially outwardly in opposite directions therefrom, a planet gear rotatably mounted on said member adjacent each end thereof, both said planet gears being on the same side of said member, a member rotatably mounted on said shaft having a gear for outside connections and a gear meshed with said planet gears, a gear on the one face of one end of said arm member having a shaft extending through said arm member, a gear rotatable on the other end of said gear shaft, a resilient element substantially in the form of an



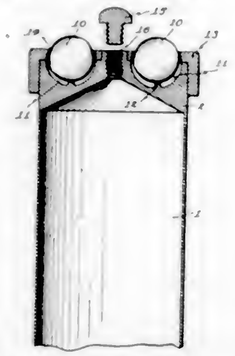
annulus around the hub of the last mentioned gear having one end fixed to said last mentioned gear and the other end fixed to said gear shaft, said element being under stress tending to rotate in opposite directions the gear and the shaft on which it is mounted, a shaft extending through the other end of said arm member, a gear fixed on each end of the last mentioned shaft with one thereof meshed with a planet gear, and a member rotatable on the input shaft having a gear for outside connection and a gear meshed with one gear on each of the shafts through the ends of said arm member.

2,103,260
WELT-TREATING MACHINE
Charles E. Hood, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 18, 1936, Serial No. 75,061
13 Claims. (Cl. 12—80)



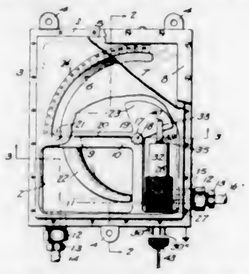
1. In a machine for operating on work having stitched-together parts such as a shoe upper and a welt stitched thereto prior to the lasting of the shoe, coacting rolls for engagement with opposite faces of one of the stitched-together parts thereby to feed the work progressively through the machine, and means associated with one of said rolls for engagement with the other part of said stitched-together work, said means having a work-engaging surface which forms an obtuse angle with the work-engaging portion of the peripheral face of the adjacent roll.

2,103,261
APPLICATOR
Stewart W. Hughes, Evanston, Ill.
Application September 16, 1935, Serial No. 40,760
8 Claims. (Cl. 128—65)



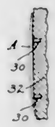
1. A toilet article comprising a container having a feed aperture at one end, a housing means surrounding said feed aperture, and massage rollers mounted on said housing means and surrounding said feed aperture whereby said rollers will rotate freely in any direction.

2,103,262
FLOWMETER
Hugh J. Knerr, Osborn, Ohio
Application January 15, 1935, Serial No. 1,905
2 Claims. (Cl. 73—210)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



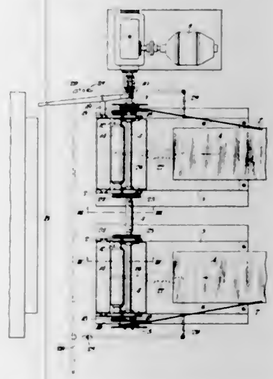
2. In a flowmeter, a housing having a receiving cavity and a discharge cavity, a dividing wall between said cavities having an orifice of predetermined flow characteristics, metering means comprising an arm having its base pivotally secured to said dividing wall and including an arcuate tapered pin depending from the free end thereof and a weight overhanging the pivoted end thereof to partially counterbalance said tapered pin and arm about their pivoted support, said metering means being controlled by the flow of fluid from said receiving cavity through said orifice, a cover plate for sealing said cavities and metering means, and means responsive to movement of said metering pin for indicating rate of fluid flow through said orifice.

2,103,263
DIAL FOR WATCHES AND OTHER INSTRUMENTS
Alvin Lodge, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 15, 1935, Serial No. 21,622
4 Claims. (Cl. 58—127)



4. As a new article of manufacture, a dial for watches comprising a metal dial plate having varying thickness in the different portions of its area suitable for dials and one surface of which provides the dial face, feet projecting from the opposite surface of the said plate and from the thinner portions thereof to be received in the usual openings in the pillar plate of a watch and being texturally homogeneous with the dial plate, the portions of the dial plate from which the feet project being solid in every direction around each foot and of greater diameter than said portions of the dial plate from which they project, and the dial face being smooth and free of indentations therefrom.

2,103,264
FEED DEVICE
Edwin T. Lorig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application October 9, 1933, Serial No. 692,897
Renewed October 1, 1937
3 Claims. (Cl. 271—2.3)



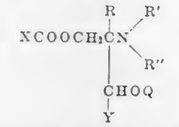
1. A strip-feeding device comprising a rotatable roll, a pivoted frame movable toward and away from said roll, a rotatable roll carried by said pivoted frame, said second named roll being constructed and arranged for movement into adjacent parallelism with respect to said first named roll, a shaft rotatably mounted on said frame, a driving connection between said shaft and said first named roll, an independent driving connection between said shaft and said second named roll, and means for driving one of said rolls.

2,103,265
ACRYLIC ACID DERIVATIVES
William A. Lott, Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application September 12, 1933, Serial No. 689,158
13 Claims. (Cl. 260—103)

1. Compounds selected from the group having the general formulas Y,Z-amino-alkyl α-R′ β-R acrylate and Y,Z-amino-alkyl α-R′ β-R acrylamid wherein R represents one of the radicals alkyl, aryl, and halogen-, alkoxy-, alkylene-dioxy-, and dialkylamino-aryl, R′ represents one of the radicals alkyl and aryl, and Y and Z represent radicals of the class consisting of alkyls and aralkyls; and the inorganic salts thereof.

2,103,266
ACYLATED DIOLS
William A. Lott, Newark, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application October 7, 1933, Serial No. 692,622
7 Claims. (Cl. 260—103)

1. Compounds of the group having the general formula



wherein X represents one of the radicals phenyl, alkoxy-phenyl, β-phenyl-vinyl, α-alkyl-β-phenyl-vinyl, α-alkyl β-dialkoxy-phenyl-vinyl, phenyl-amino, and alkoxy-phenyl-amino; R represents one of the class consisting of hydrogen and alkyl; R′ and R″ represent one of the possibilities (*a*) R′ is one of the class consisting of hydrogen, alkyl, and aralkyl and R″ is one of the class consisting of hydrogen, alkyl, and aralkyl, and (*b*) R′ and R″ jointly are alkylene; Q represents one of the class consisting of hydrogen and alkyl; Y represents one of the radicals benzene aryl and dialkoxy- and alkylenedioxy-benzene aryl.

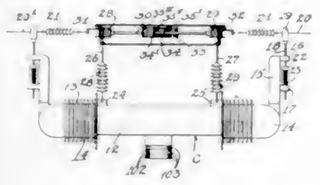
2,103,267
ALLOY FOR VACUUM TUBE ELEMENTS
Ambrose J. Mandell, Westfield, N. J.; Edward Mandel, administrator of said Ambrose J. Mandell, deceased, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
No Drawing. Application November 20, 1926, Serial No. 149,801. Renewed September 3, 1936
21 Claims. (Cl. 250—27.5)

1. An electrically conductive core for a thermionically active cathode comprising an alloy of nickel and silicon.

2,103,268
CIRCUIT BREAKER OPERATING MEANS
George A. Matthews, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Application October 22, 1934, Serial No. 749,401
10 Claims. (Cl. 175—375)

8. Operating means for a circuit breaker having a pair of contacts movable into and out of engagement to open and close an electrical cir-

cuit, means operative in one direction to close the contacts and in another direction to open the contacts under normal conditions in said circuit, a spring under compression during normal closing of the breaker, and means energizable to release said spring to open the contacts under abnormal conditions in said circuit, said first means being operative, when moved in a direction to normally open the contacts, to compress said spring after it has functioned to open the contacts under abnormal conditions.



10. In a power transmission system, the combination with an overhead transmission line including a pair of dead-ended conductors, supporting means, and insulators suspending the adjacent ends of said conductors upon said supporting means, of a unitary switching device comprising a metallic housing, terminal contact members carried by and insulated from said housing, a circuit breaker within said housing for completing a circuit between said contact means, means suspending said housing upon said supporting means, said suspending means including insulators at said housing and cables extending from said insulators to the supporting means, and means operable from the ground for actuating said cables to raise said housing to engage said contact members with said conductors and to lower said housing to separate said contact members from said conductors.

2,103,269

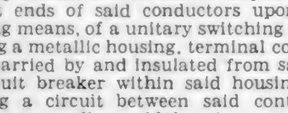
AZO COMPOUNDS AND PROCESS FOR DYEING THEREWITH

James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 14, 1937, Serial No. 120,556

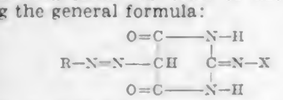
20 Claims. (Cl. 8—5)

3. An azo compound having the general formula:



wherein X represents hydrogen or an alkyl group and R represents an aromatic nucleus.

9. A process of coloring an organic derivative of cellulose which comprises applying thereto a dye selected from the class of azo compounds having the general formula:



wherein X represents hydrogen or an alkyl group and R represents a nuclear non-sulfonated aromatic nucleus.

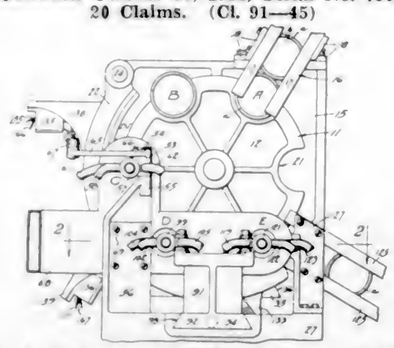
2,103,270

CAN SPRAYING MACHINE

John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application October 30, 1934, Serial No. 750,721

20 Claims. (Cl. 91—45)



1. A spraying machine for coating cans with a liquid coating material comprising in combination, means for carrying open-end cans intermittently and successively through a plurality of spraying stations, means for rotating individual cans while at said stations, an oscillating spraying device at one of said stations for coating the interior surface of the bottom of a said rotating can through its open end, means for changing the angle of said spraying device relative to the bottom of said can, a plurality of reciprocating spraying devices at the other of said stations for successively applying a plurality of coats of said coating material to the interior side wall of said cans, and means for moving said reciprocating spraying devices into and out of said cans through their open ends.

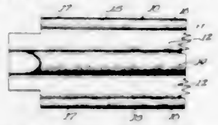
2,103,271

VENETIAN BLIND SLAT AND METHOD OF MAKING

Raymond C. Pratt, Chicago, Ill., assignor to H. B. Dodge and Company, Chicago, Ill., a corporation of Illinois

Original application July 21, 1932, Serial No. 623,802. Divided and this application May 10, 1934, Serial No. 724,935

14 Claims. (Cl. 156—17)



14. A metal slat for Venetian blinds having a flattened tubular cross-section with rounded lateral edges.

2,103,272

PROCESS FOR THE PRODUCTION OF β-METHYLCHOLINE ETHERS AND SALTS THEREOF

Georg Roeder, Rahway, N. J., assignor to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application January 30, 1937, Serial No. 123,151

3 Claims. (Cl. 260—25)

1. A process for the production of salts of methylcholine ethers which comprises reacting an alkali metal salt of 1-dimethylamino-2-hydroxypropane with an alkylating agent to form the corresponding 1-dimethylamino-2-alkoxy propane, and then reacting upon this ether with an alkylating agent of the group consisting of alkyl halides and sulfate, to form the corresponding alkyl salt of dimethyl-amino-2-alkoxy-propane.

2,103,273

POLYHYDRIC ALCOHOL-POLYBASIC ALIPHATIC ACID RESIN

Israel Rosenblum, Jackson Heights, N. Y.

No Drawing. Application January 26, 1934, Serial No. 708,477

16 Claims. (Cl. 260—8)

1. The method of producing homogeneous, fusible, oil-soluble resins, which comprises reacting substantially simultaneously approximately 1 mol. of glycerol, ½ mol. of maleic acid, ½ to 1½ mols of a saturated monobasic aliphatic acid of one to five carbon atoms, and ½ to 1 mol. of the acids obtained by hydrolysis from a fatty oil or fat.

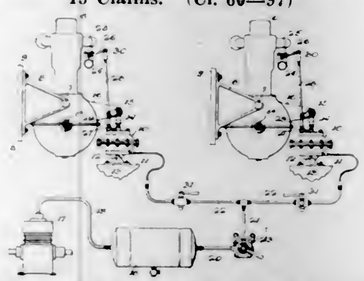
2,103,274

CONTROL MECHANISM

Roy S. Sanford, New York, N. Y., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application December 29, 1936, Serial No. 118,173

15 Claims. (Cl. 60—97)



1. A control system for an engine comprising pivotal mounting means therefor, control means for said engine, power means for rotating the engine about said pivotal mounting means, control means for said power means, and means responsive to relative movement of said engine and mounting means to vary the action of said second named means.

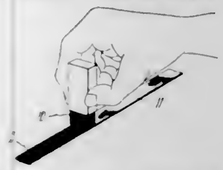
2,103,275

TYPEWRITER RIBBON AND INK COMPOSITION THEREFOR

George W. Schaefer, Quincy, Mass.

Application November 22, 1934, Serial No. 754,312

8 Claims. (Cl. 197—172)



6. A typewriter ribbon consisting of a thin, closely woven, highly flexible fabric base having one face thereof coated with a transferable writing medium made up largely of pigment particles and an oil lubricant therefor, said oil being present in such medium in small proportion relative to said pigment particles and in amount sufficient only to lubricate said particles and to provide an adherent coating penetrating into said ribbon less than the full thickness thereof, whereby a transfer or writing face is provided on only one face of said ribbon.

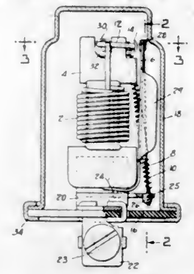
2,103,276

FLASHER DEVICE

Joseph Schmidinger, Long Island City, N. Y.

Application March 3, 1936, Serial No. 66,814

9 Claims. (Cl. 200—88)



3. A device of the class described, the combination comprising an electromagnet including a core and a coil, wound thereupon, an armature secured at one end to said core, a contact carried by said armature remote from the fixed end thereof, a pair of terminals one electrically connected to said core and the other to one end of said coil, a fixed contact electrically connected to the other end of said coil and positioned to be engaged by said armature carried contact, an expansible resistance wire electrically connected across said contacts, said wire having one end secured to the movable end of said armature, and insulated anchoring means for maintaining said wire under tension, whereby said wire, upon contraction, moves said armature out of contact closing position.

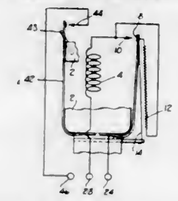
2,103,277

FLASHER DEVICE

Joseph Schmidinger, Long Island City, N. Y.

Application March 25, 1936, Serial No. 70,761

6 Claims. (Cl. 175—373)



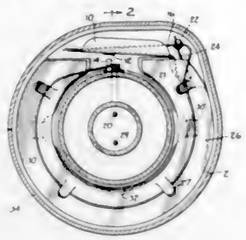
1. In a device of the character described, the combination comprising a core having two armatures each secured at one end thereto, one of said armatures being biased toward attracted position and the other being biased to retracted position, an expansible wire secured to said first mentioned armature and mechanically preventing, when cold, movement of the armature to attracted position, an energizing coil for said core, an electrical resistance connected in series with said coil and positioned to heat said wire by radiation, and

means including a pair of contacts for shunting said resistance when said first mentioned armature is in attracted position whereby, when a potential difference is applied across said coil and resistance, movement of said first mentioned armature to attracted position shunts said resistance and thereby increases the current through said coil sufficiently to move said second mentioned armature to attracted position.

2,103,278

COMBINED INCANDESCENT LAMP AND FLASHER DEVICE AND METHOD OF MANUFACTURE THEREOF

Joseph Schmidinger, New York, N. Y.
Application April 14, 1936, Serial No. 74,249
Renewed June 25, 1937
7 Claims. (Cl. 176—14)

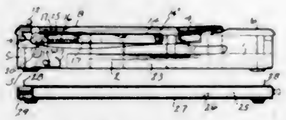


1. A combined incandescent lamp and flasher device comprising in combination a lamp, having a filament and a base, an annular container mounted on said base, a permanent magnet within the container, an armature having one end secured to said magnet, an expansible wire having one end secured to the movable end of said armature, a contact carried by said armature, a fixed contact electrically connected to one end of said filament and positioned to be engaged by said first mentioned contact when the armature is in attracted position, an expansible resistance wire having one end secured to the movable end of said armature and its other end electrically connected with said fixed contact, and insulated anchoring means for applying a tension to a portion of said wire whereby said wire when cold mechanically prevents movement of the armature to contact closing position.

2,103,279

PORTABLE REGISTER

John Q. Sherman, Dayton, Ohio
Application August 27, 1934, Serial No. 741,580
19 Claims. (Cl. 282—3)

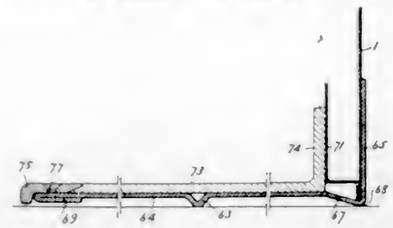


1. In a manifolding register for a packet of superposed record strips reversely folded at spaced intervals into zigzag formation and divisible on transverse weakening lines at spaced intervals into succeeding sections, a container for the packet, said container having a packet compartment therein and being of greater length than the packet compartment, a fixed partial cover for the container, the packet receiving compartment being located in a portion of the container where it is overhung by said fixed partial cover, a swinging cover portion for the container forming a writing tablet for withdrawn portions of the strips, there being an exit slot intermediate the swinging and fixed cover portions, and the writing tablet being longitudinally offset relative to the packet compartment, and means for anchoring transfer sheets interiorly of the container for extension through said slot and thence over the writing tablet in interleaved relation with the withdrawn portion of the strips.

2,103,280

TELEPHONE BOOTH

Percival H. Sherron, Jamaica, N. Y.
Application January 13, 1937, Serial No. 120,323
6 Claims. (Cl. 189—2)

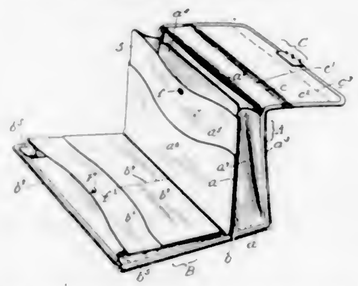


1. A telephone booth comprising a metal shell and a one-piece metal floor having a plurality of ribs formed intermediate its edges and extending beneath the adjacent floor level, a downwardly dished portion extending completely around its periphery except on one side, and a flange extending upwardly from the outer edge of said dished portion, said flange being secured to the lower edge of said metal shell to attach the floor thereto.

2,103,281

TRAVELING CASE

Leopold G. Stanley, Maplewood, N. J.
Application May 21, 1936, Serial No. 80,925
7 Claims. (Cl. 150—1.6)



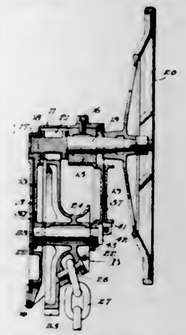
1. A traveling case of the briefcase type, oblong in form, composed of leather or like material and generally flexible, the same having rear and front walls with top-opening receiving space between them, and collapsible end gussets and a cover flap constituting a flexible extension of the rear wall and adapted to fold over the front to close the case, with a fastening means therefor, and a handle on the exterior side of the flap; and characterized by the following features combined

therewith, namely that the bottom of the case is flat, non-collapsible and stiffened so that the case may stand steadily upright upon a support, and that connected with the main section of the case, having its rear and front walls upstanding, is a supplemental swingable front section having an interior receiving space or pockets, said swingable section being connected with the main section only by a hinge between the swingable section and the front edge of the stiff bottom wall of the case; whereby the swingable section may be closed up vertically against the main section and confined by the cover flap when fastened or may be released to drop flat while the main section remains upright, thus fully exposing both sections to access.

2,103,282

OPERATING DEVICE FOR HAND BRAKES AND THE LIKE

Frederick John Stolpe, Chicago, Ill., assignor, by mesne assignments, to Augustus F. Klasing
Application April 1, 1936, Serial No. 72,158
7 Claims. (Cl. 74—505)



1. An operating device for hand brakes and the like, the same comprising a casing to be mounted on a support, and a pulling mechanism including a shaft hanger supporting and carrying the operating parts thereof, said hanger being telescopically insertable in and removable from said casing, and means whereby said hanger is supported by said casing when operatively disposed therein.

2,103,283

CONCENTRATION OF PHOSPHATE-BEARING MINERALS

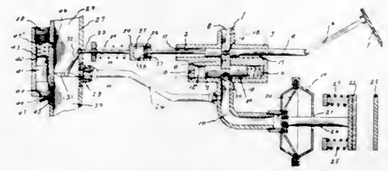
Francis X. Tartaron and James B. Duke, Mulberry, Fla., assignors to Phosphate Recovery Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 4, 1937, Serial No. 124,040
40 Claims. (Cl. 209—49)

1. The process of concentrating phosphate-bearing minerals which consists in agitating a pulp of the ore containing the phosphate-bearing mineral first with crude quinoline and thereafter with an activating agent causing the crude quinoline to have a preferential affinity for the silicious gangue, said activating agent being an inorganic salt capable of reacting acid in solution with water, separating from the pulp a material relatively rich in silicious gangue and relatively poor in phosphate values, and collecting the remaining material as the concentrate.

2,103,284

AUTOMATIC CONTROL OF CLUTCH AND THROTTLE ACTUATION OF AN AUTOMOTIVE VEHICLE

Ralph S. Whittington, Oak Park, Ill., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 15, 1932, Serial No. 622,703
11 Claims. (Cl. 192—.01)

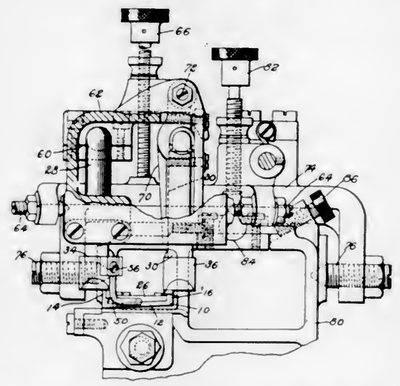


1. In a system of the class described, the combination with the intake system, the carburetor and a mechanism for controlling the acceleration of the motor, of a pressure responsive means for releasing the clutch, means providing a passage between said pressure responsive means and said intake system, means operative, when the aforementioned mechanism is released, to open said passage whereby vacuum from said intake system actuates said pressure responsive means to release the clutch, means operating upon the actuation of said aforementioned mechanism to reduce the vacuum acting on said pressure responsive means whereby the clutch is moved toward engaged position, and means responsive to pressure changes accompanying the operation of said system, and being operative at a predetermined drop in vacuum in said system, to admit more mixture to said intake system.

2,103,285

EDGE FINISHING MACHINE

Thomas G. Winnett, Whitman, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1936, Serial No. 118,615
6 Claims. (Cl. 69—1)



1. In a machine for treating the edges of leather, a U-shaped searing tool having legs connected by a crossbar, means for supporting said legs, and auxiliary means for supporting the crossbar against upward bending.

2,103,286

METHOD OF PRODUCING COMPOUNDS OF CYCLIC β-KETOCARBOXYLIC ACIDS

Karl Ziegler, Heidelberg, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Application June 4, 1934, Serial No. 728,855. In Germany June 13, 1933
8 Claims. (Cl. 260—124)

1. A method of producing compounds of cyclic β-keto carboxylic acids comprising acting on compounds of the general formula



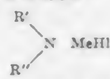
wherein n is an integer greater than three and wherein A represents a member of the class consisting of cyano group and a group of the general formula



and B represents the same or different groups of the general formula



wherein Y is a radical taken from the class consisting of O and NR and Z is a radical taken from the class consisting of OR and NR_2, R denoting a hydrocarbon radical, said groups being capable of transformation by saponification into the carbonyl group of the acyl radical with a condensing agent of the type



wherein R′ and R″ are radicals taken from the class consisting of alkyl, aralkyl, aryl and alicyclic, Hl is halogen or



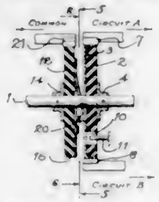
while Me is a metal of the group constituted by the alkali, alkaline earth and earth metals and m denotes the valency of this metal.

2,103,287

DOUBLE CIRCUIT ROTARY SWITCH

Clarence B. Howard, Oakland, Calif., assignor to E. H. Kueffer

Application April 14, 1937, Serial No. 136,710
4 Claims. (Cl. 200—8)



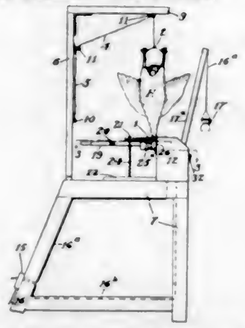
1. A rotary switch comprising a shaft to be rotated, a contact disc of insulating material free to rotate on said shaft, stop means for limiting the rotation of said disc to a limited arc, a pair of segmental contacts on the periphery of said disc and joined by a collector ring, a pair of circuit brushes bearing against said periphery and so spaced with relation to said segmental contacts that only one of said brushes will be in contact with said segmental contacts at each end of the arc of rotation of said disc, a collector brush bearing against said ring, said latter brush being rotatable by said shaft and thereby rotating said disc by friction.

2,103,288

METHOD AND APPARATUS FOR KILLING POULTRY

Wilber V. Hunt, North Acton, Mass.

Application December 19, 1935, Serial No. 55,243
31 Claims. (Cl. 17—11)



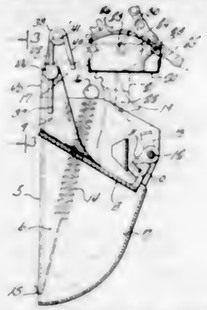
27. In apparatus for use in stunning or killing poultry by electricity, a support, means on said support to receive the head of a bird and an electric circuit, said circuit including a contact adapted to be attached to said bird and a contact adapted to be held against the head of said bird.

2,103,289

VENDING MACHINE

William L. Kissel, Hartford, Wis., assignor to Ira Milton Jones, Thiensville, Wis.

Application May 19, 1933, Serial No. 671,846
Renewed May 5, 1937
1 Claim. (Cl. 312—96)



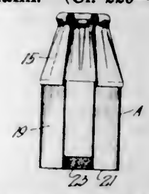
In a vending machine, the combination of a discharge chute having a door, an article supporting tray positionable alongside the door with the ends of the tray and door substantially in line, and means to simultaneously open the door and tilt the tray, a guard to hold an article on the tray, said guard being movable to release the article for discharge and having a part adjacent one end of the tray, means disposed at the adjacent end of the door and operable upon said part of the guard to move the guard to its inoperative position, and means at the same end of the door operable concomitantly with the opening of the door for actuating said guard engaging means.

2,103,290

CONTAINER

Lydia B. Koch, New York, N. Y.

Application September 17, 1935, Serial No. 40,888
1 Claim. (Cl. 229—4.5)



A container comprising a body having upper and lower sections, the lower section having a plurality of upright flat sides, and the upper section having a corresponding number of flat sides each of which tapers to a smaller dimension peripherally of the bottle next the top thereof, each of said flat sides being connected by rounded vertical corners.

2,103,291

WATERTIGHT DOOR

Albert L. Lambert and Francis M. Lambert, Narberth, Pa., assignors to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 22, 1935, Serial No. 37,269
33 Claims. (Cl. 114—117)



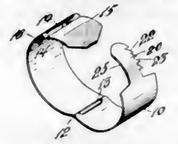
24. The combination with a door frame and a door fitting the frame and having an inwardly flexible sheet metal panel, of means, including members on the edge of the panel and on the door frame interengaging when the door is closed on the door frame, to anchor the edge of the panel against movement toward the center of the door when the panel is flexed inwardly, said panel being dished inwardly and the concavity extending from all points around its edge to a common center area of the panel, said panel shape tending to diminish strain on the said interengaging members and on the body of the panel consequential to outside pressure applied to the panel tending to flex the panel inwardly, a member supported adjacent said door frame and connected to said panel adjacent said center area and means for urging said member toward said panel when the door is closed.

2,103,292

SEAL

Harry Leach, Providence, R. I.

Application October 28, 1937, Serial No. 171,428
4 Claims. (Cl. 40—3)



2. A seal comprising a strip of sheet material bent into substantially circular form, with the end portions of the strip overlapping, one end portion having an offset with a slot in said offset portion, the other end portion being of a narrowed width to extend over the outer surface of the band and through said slot, teeth along an edge of said narrowed portion, and a resilient latch at one end of said slot to engage said teeth and prevent withdrawal of said toothed portion from said slot.

2,103,293

CHINTZ

Arnold Leroy Lippert, Wilmington, Del., assignor to Joseph Bancroft & Sons Co., Wilmington, Del., a corporation of Delaware

No Drawing. Application April 13, 1937, Serial No. 136,525
4 Claims. (Cl. 91—70)

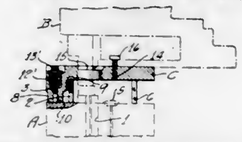
1. The process of making chintz which comprises impregnating the cloth with a water solution of urea formaldehyde and a coagulatable protein, the solution having a concentration of about 10% to about 30% of urea formaldehyde, and passing the treated cloth through a heated glazer to simultaneously set the resin and glaze the cloth.

2,103,294

CYLINDER REBORING-PLATE

Edward R. Michener, St. Louis, Mo., assignor to H & H Machine & Motor Parts Company, St. Louis, Mo., a corporation of Missouri

Application October 9, 1935, Serial No. 44,139
2 Claims. (Cl. 77—62)



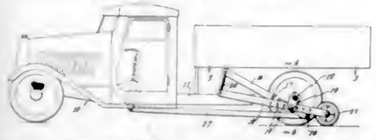
1. An automotive engine cylinder reboring fixture for use with an engine block having stud bolts upstanding from a plane-surfaced face thereof adapted to receive a cylinder head comprising, a metallic plate portion having an upper plane-surfaced face, legs on the lower side of the plate to engage the plane face of the cylinder block and having their ends terminating in a plane substantially parallel to the upper plane face of the plate, said legs being of sufficient length to position said plane face above the outer ends of the stud bolts and the plate being provided with openings to receive said stud bolts and being countersunk in its plane face around

certain of said stud bolts, and means received upon the stud bolts within the countersunk recesses to thus rigidly secure the fixture in place and leave the outer face thereof unobstructed and in a plane substantially parallel with and spaced from the plane face of the cylinder block to receive and support a boring tool.

2,103,295
ANTISKIDDING DEVICE FOR MOTOR VEHICLES

Joseph Mucha, Neenah, Wis.

Application February 27, 1937, Serial No. 128,122
1 Claim. (Cl. 188—5)

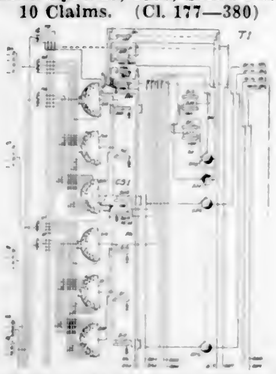


In a motor vehicle, a pin rigid with the body of the vehicle between the rear wheels, a lever pivotally mounted on said pin, a second lever adjacent thereto pivotally mounted on said pin, one of said levers having a longer projection rearward from said pin and having a wheel mounted in the end thereof, the shorter of said levers having a link pivotally mounted in the rearwardly projecting end thereof, a spring joining the forward ends of said levers, handle connected with said link and adapted to move said link in a substantially horizontal direction, movement of said link in one direction causing said wheel to be urged downward against the road, and movement in the opposite direction causing said wheel to be lifted above the road.

2,103,296
TRANSMITTING AND RECEIVING SYSTEM

Martin L. Nelson, Park Ridge, Harold C. Robinson, Chicago, and John I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application April 19, 1930, Serial No. 445,746
10 Claims. (Cl. 177—380)

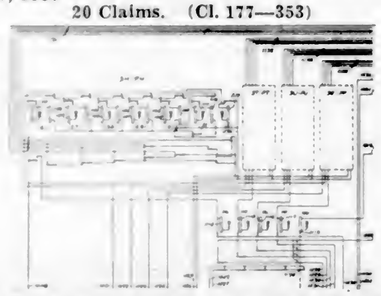


1. In a stock-quotation transmitter, a plurality of stock-code-digit registers, a plurality of price-digit registers, a plurality of outgoing conductors, a sender, means for operating said sender under the control of operated ones of the stock digit registers to send out a group of stock digits over said outgoing conductors, respectively, and for again operating said sender to send impulses over said outgoing conductors in accordance with the respective settings of operated ones of the price-digit registers, a plurality of price-range conductors controlled, respectively, by the price-digit registers, means for connecting the price-range conductors to said sender between the sending of the stock digits and the price digits, and means controlled over the price-range conductors for making the number of price digits transmitted equal the number of price-digit registers operated.

2,103,297
STOCK-QUOTATION SYSTEM

Martin L. Nelson, Park Ridge, Ill., Harold C. Robinson, Baltimore, Md., and John I. Bellamy, Brookfield, Ill., assignors, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application April 19, 1930, Serial No. 445,746. Divided and this application March 26, 1931, Serial No. 525,476. Renewed May 17, 1937
20 Claims. (Cl. 177—353)

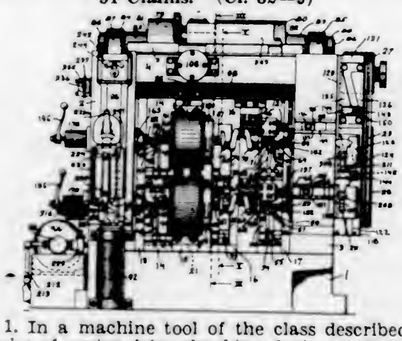


5. In a stock-quotation receiver wherein a stock is represented by a plurality of price-digit indicators, receiving apparatus for receiving a plurality of price digits during the same period of time, a group of price-range relays, means effective upon the starting of the receipt of a group of price digits and responsive to the operation of the receiving apparatus for operating a number of said price-range relays indicative of the number of price digits being received, and means controlled by said price-range relays for restoring the ones of the price-digit indicators which correspond to new price digits being received.

2,103,298
MULTIPLE SPINDLE CENTER DRIVE CRANKSHAFT LATHE

Henry C. Pierle, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application October 5, 1936, Serial No. 104,037
31 Claims. (Cl. 82—9)

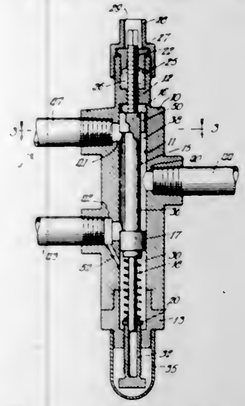


1. In a machine tool of the class described, a series of center drive chucking devices with their axes interspaced substantially parallel and arranged substantially in a plane, tool carriers arranged along said axes on each side of said chucking devices, series of tools on the respective carriers, also arranged substantially in said plane, and means whereby said tool carriers are moved in said plane substantially at right angles to the axes of said chucking devices.

2,103,299
MEANS FOR HANDLING LIQUIDS

Fred Ravnsbeck, Chicago, Ill., assignor to Ace Engineering Co., a corporation of Illinois

Application December 10, 1934, Serial No. 756,771
6 Claims. (Cl. 137—153)

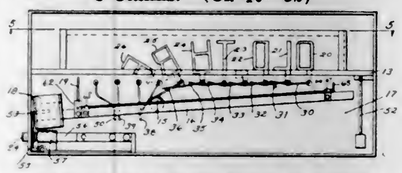


1. A valve of the type described comprising a casing having a bore therein, a piston member having two spaced piston heads rigidly connected to each other, said piston member being slidably journaled in said bore, said casing having an intake port communicating with said bore intermediate said heads and having a plurality of outlet ports communicating with said bore and controlled by said piston heads, respectively, adjustable means engageable with one of said piston heads for positively limiting displacement of said piston member in one direction, and yieldable means retarding displacement of said piston member in the other direction, the piston head adjacent to said limiting means having a port extending through it whereby that portion of the bore at one end of said piston head communicates with that portion of the bore at the other end of said piston head.

2,103,300
ANIMATED SIGN

Bruce Roberts, Hollywood, Calif., assignor to Frank McQuoid, Los Angeles, Calif.

Application June 25, 1937, Serial No. 150,238
8 Claims. (Cl. 40—52)

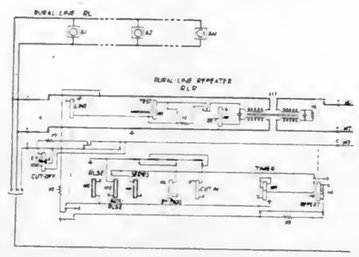


1. In an animated sign, a fixed frame, a plurality of movable characters, individually journaled to the frame so as to come into and out of display position, means of consecutively bringing the characters into display position, means of collectively retaining the characters in display position, and a means of simultaneously removing the characters from display position.

2,103,301
TELEPHONE SYSTEM

Norman H. Saunders, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application October 21, 1935, Serial No. 45,846
9 Claims. (Cl. 179—16)



1. In an automatic telephone system, a subscriber line, calling terminals individual to said line, an impulse repeater inserted between said line and said calling terminals, automatic switching apparatus for extending connections from subscriber lines, switching means for connecting said automatic switching apparatus with the said line by way of the calling terminals thereof, called terminals individual to said line and connected thereto between the line and the repeater, said automatic switching apparatus being operative to extend connection to said line by way of said called terminals, a cut-off relay associated with the called terminals and means for operating it to disconnect the line from the said repeater when it is called, means for guarding the line from seizure by way of said called terminals when a call is originated thereover, and means for preventing the operation of the said cut-off relay when a call is originated over the line and the line is guarded from seizure through the called terminals thereof.

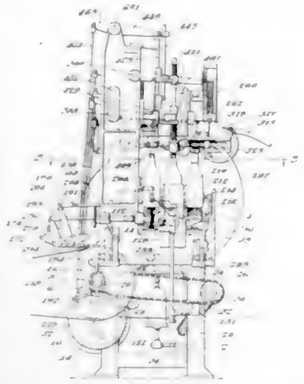
2,103,302
BAND APPLYING MACHINE

Ralph C. Strout, Wollaston, Mass., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application February 24, 1934, Serial No. 712,853
11 Claims. (Cl. 226—80)

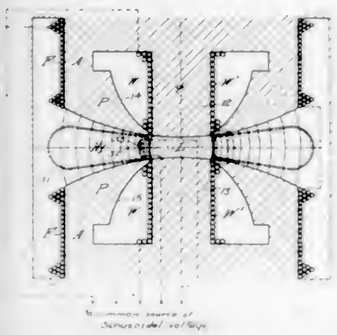
6. In a machine for applying a banding sleeve to a container, in combination, mechanism for feeding successive sleeves from a bulk supply thereof, mechanism for opening said sleeve, mechanism for delivering successive containers into a position below a sleeve thus opened including an incoming conveyor, a pusher member arranged to reciprocate transversely thereof for pushing successive containers into an intermediate position, separate means for transferring successive containers from such intermediate position into a position beneath said open sleeve, mechanism for moving the sleeve downwardly over the upper end of the container thus posi-

tioned to thereby apply the sleeve to the container, and mechanism for transferring the con-



tainer from such sleeve applying position onto the outgoing conveyor.

2,103,303
DEVICE FOR PRODUCING ELECTRON RAYS OF HIGH ENERGY
Max Steenbeck, Berlin-Siemensstadt, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application March 4, 1936, Serial No. 67,184
In Germany March 6, 1935
10 Claims. (Cl. 250—27)

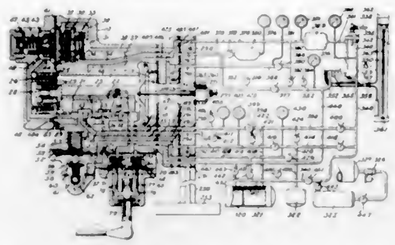


1. A device for generating electron rays of great energy by means of an electric eddy field produced by a magnet field varying with time, comprising a source of electrons, an evacuated vessel containing said source and constructed to provide a circular path for said electrons, means for producing a magnetic field varying with time for accelerating the electrons in a circular path and whose field axis coincides with the rotation axis of the electron stream, means for producing a guide field for the electron stream which varies similarly with time and which coaxially surrounds said acceleration field, said guide field-producing means being arranged so that the field intensity decreases outwardly with increasing radius of the electron path but at a rate not more than inversely proportional to the path radius increase, the means for producing said two fields being normally proportioned relatively to one another so that the guide field has always one-half the intensity of the accelerating field, and means for disturbing the relative intensities of said two fields when the electrons have attained the desired speed.

2,103,304
CHEESE PRODUCT
George Lincoln Teller and W. Kedzie Teller, Chicago, Ill., assignors to Henry H. Doering, Chicago, Ill.
No Drawing. Application April 22, 1935, Serial No. 17,656
20 Claims. (Cl. 99—117)

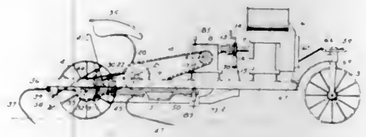
17. A method of plasticizing Cheddar cheese and the like which consists in comminuting cheese, adding a quantity in the amount ranging from 1 to 5 per cent of an alkaline caseinate and an edible urea compound to said comminuted cheese, and pasteurizing the combined cheese and urea to avoid detrimental separation between the cheese constituents.

2,103,305
TEST RACK
Frank B. Thomas, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 27, 1935, Serial No. 18,604
22 Claims. (Cl. 73—51)



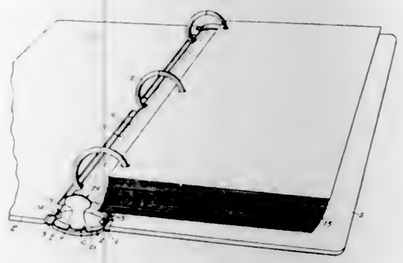
20. In apparatus for testing a valve device of a type comprising a body having a mounting face having a plurality of ports therein having passages associated therewith and communicating with operating elements of the valve device, the testing apparatus comprising a bracket having a mounting face having a greater number of ports therein than are provided in the face of the body of the valve device, the ports in the bracket being arranged differently than the ports in the body of the valve device, the bracket having passages therein communicating with the ports therein and through which fluid under pressure may be supplied to and released from said ports, and a filling piece comprising a body having a mounting face adapted to be secured against the mounting face of the bracket, said face of the filling piece having a lesser number of ports therein than are provided in the mounting face of the bracket, the ports in the filling piece being adapted to be in communication with selected ports in the bracket when the filling piece is secured thereagainst, the filling piece also having a mounting face adapted to have the mounting face of a valve device to be tested secured thereagainst, said face of the filling piece having a plurality of ports therein communicating with the ports in the other face thereof and adapted to communicate with the ports in the mounting face of a valve device when the said valve device is secured thereagainst.

2,103,306
CULTIVATING AND WEEDING DEVICE
William E. Urschel, Valparaiso, Ind.
Application January 22, 1934, Serial No. 707,664
25 Claims. (Cl. 97—21)



1. A cultivator comprising transversely movable plows, means for advancing said plows along a row of plants to be cultivated, a pointer manually movable to point to a plant in the path of said plows, and mechanical means in cooperation with said pointer and controlled thereby to move said plows to avoid such plant.

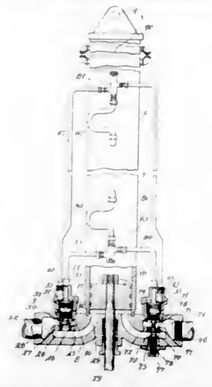
2,103,307
LOOSE-LEAF BINDER
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application June 26, 1933, Serial No. 677,534
11 Claims. (Cl. 129—24)



1. In a loose leaf binder, a ring metal including a plurality of sheet retaining rings anchored to a pair of toggle plates, a back member to which said ring metal is secured, and a trigger for operating said toggle plates to open said rings, said trigger being fulcrumed on said back member between the end of said ring metal and the end of the binder.

2,103,308
MOTOR FOR PUMPING MECHANISMS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 9, 1934, Serial No. 747,538
29 Claims. (Cl. 121—126)

1. In a motor, in combination, a cylinder, a piston reciprocable therein, means for continuously venting one end of said cylinder, and means for controlling admission and exhaust with respect to the opposite end of said cylinder including an admission valve opened by the pressure prevailing in the working end of the cylinder just prior to admission and an end-seating exhaust valve moving on closure in the direction of flow of the discharging exhaust fluid and whose closing is controlled by motor back pressure, and means for moving said valves in the opposite directions by cylinder

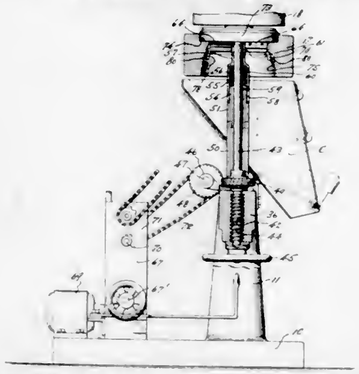


pressure including a check valve moving with each of said valves and delaying throwing thereof.

2,103,309
DYE COMPOSITION FOR THE TREATMENT OF EXTERNAL BURNS IN HUMAN BEINGS
Robert H. Aldrich, Boston, Mass., and David A. Bryce, Bound Brook, N. J., assignors to Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application January 14, 1935, Serial No. 1,606
5 Claims. (Cl. 167—58)

1. A composition for the treatment of burns comprising crystal violet, neutral acriflavine and a material selected from the group consisting of brilliant green and basic fuchsine.

2,103,310
CONVERTIBLE HYDRAULIC PRESS FOR LONG AND SHORT PASTE PRODUCTS
Conrad Ambrette, Brooklyn, N. Y., assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y., a corporation of New York
Application March 11, 1935, Serial No. 10,475
2 Claims. (Cl. 107—14)



1. In a press of the kind described, a bridge block pivotally connected with the press frame to swing in horizontal plane into or out of alignment with the operative press cylinder and the cooperating paste forming die thereof, means to

releasably lock said bridge block to the press frame and in operative relation to said press cylinder and die, a vertically movable spindle carried by said bridge block, a sleeve having a removable upper section rotatably mounted on said spindle, a hub-sleeve telescopically movable on said upper sleeve section, means to key said hub-sleeve to said upper sleeve section for rotation therewith, a cutter blade carried by said hub-sleeve, spring means between said upper sleeve section and said hub-sleeve for yieldably thrusting the latter upwardly to maintain said cutter blade in operative contact with said paste forming die, and connectable power transmission means for driving said sleeve structure to revolve said cutter blade.

2,103,311

DRIVE RING FOR FLOOR MAINTENANCE MACHINE BRUSHES

Kenneth C. Atkin, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio

Application August 2, 1937, Serial No. 156,879
1 Claim. (Cl. 15—180)



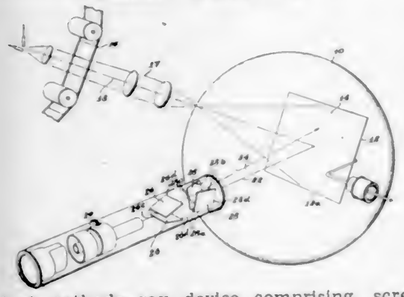
A drive ring of the class described comprising a plurality of stamped metal segments each having a substantially flat body portion adapted to have end to end abutment with the corresponding portion of adjoining segments and each at one end having a two-stepped portion with the first step in overlapping engagement with the adjacent end of the body portion of the next segment and with the second step spaced from said overlapped body portion to form a clutch finger, and means for firmly connecting said segments at their overlapping portions.

2,103,312

CATHODE RAY DEVICE

Maggio C. Banca, Magnolia, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application August 29, 1933, Serial No. 687,298
9 Claims. (Cl. 250—27.5)



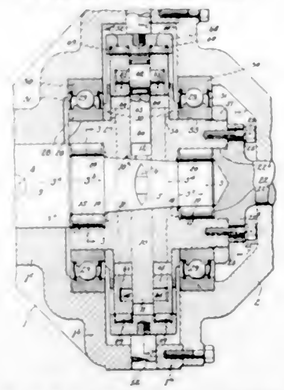
1. A cathode ray device comprising, screen structure, means for scanning said structure comprising means for developing a scanning ray and directing the same at said structure, the axis of said ray-developing means being inclined at an acute angle to said structure, and means for deflecting said ray simultaneously in different directions at relatively high and relatively low frequencies respectively to cause the ray to scan said structure over a substantially rectangular area, said deflecting means including complementary non-parallel plates disposed on opposite sides of said axis for deflecting the ray at the relatively high frequency.

2,103,313

HYDRAULIC PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application October 21, 1935, Serial No. 45,909
5 Claims. (Cl. 103—161)



1. In a rotary, radial piston, pump or motor, a cylinder barrel having a plurality of radial cylinders, a flange on the barrel in the zone of the cylinders and having radial guideways aligned with the cylinders respectively, pistons in the cylinders respectively, valve means for the cylinders, heads on the pistons operative in said guideways, thrust means carried by the piston heads and extending beyond the heads parallel to the axis of rotation of the barrel, a reactance means for actuating the pistons comprising a pair of rings closely alongside the faces of the barrel flange respectively, said rings having reactance grooves aligned with each other and opening toward the flange for receiving said thrust means for operatively connecting the pistons and reactance means, means rotatably supporting said rings in eccentric relation to the barrel, guide means carried by the barrel and having walls abutting the rings and constraining the rings from separation axially of the barrel while permitting free independent rotation thereof.

2,103,314

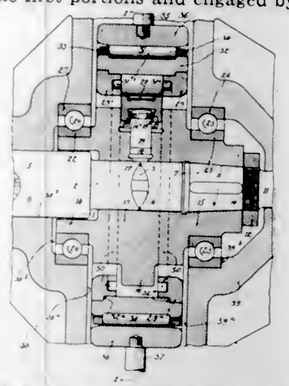
VARIABLE DELIVERY PUMP OR MOTOR

Elek K. Benedek, Bucyrus, Ohio

Application December 31, 1935, Serial No. 56,954
2 Claims. (Cl. 103—161)

2. In a rotary radial piston pump or motor, a rotatable barrel, a radial flange on the barrel, radial cylinders in the barrel in the zone of the flange, radial guideways in the flange respective to the cylinders, a valve pintle in valving cooperation with the cylinders, pistons in the cylinders respectively, a reactance surrounding the cylinders and pistons, and means operatively connecting the reactance to the pistons for actuation of the pistons upon relative rotation of the barrel and reactance, said means comprising heads for the pistons, respectively reciprocable in said radial guideways, each of said heads having a transverse arcuate groove extending transversely of the associated head and open toward

the reactance, cylindrical rolling elements rotatable in said grooves respectively and having their axes of rotation substantially parallel with the axis of rotation of the barrel, each element having a portion of its peripheral surface in direct rolling contact with said reactance at the open portion of the groove and a diametrically aligned opposite load transmitting peripheral surface portion, and having two adjacent secondary portions positioned circumferentially between the first portions and engaged by the por-



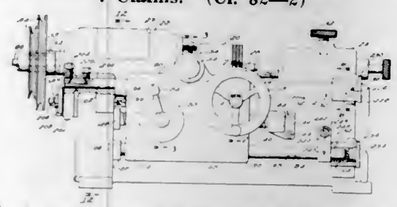
tions of the wall of the associated groove for actuating the associated piston during the suction stroke, an arcuate recess in the base of each groove and terminating intermediate the circumferential limits of the groove, and free antifriction rollers in each recess between said diametrically aligned opposite load transmitting peripheral surface portion of the rolling element and the bottom of the recess for effecting antifriction load transmission between the said rolling element and the associated piston head.

2,103,315

LATHE

Christian A. Birkebak, Detroit, Mich., assignor to Ex-Cell-O Corporation, a corporation of Michigan

Application June 20, 1935, Serial No. 27,506
7 Claims. (Cl. 82—2)



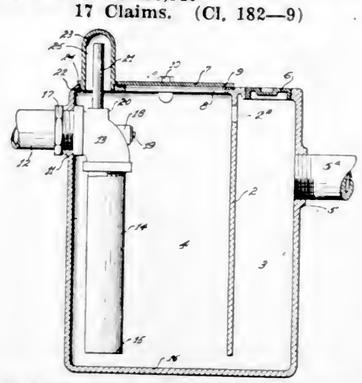
3. A machine tool comprising a base, rotary work stock supporting means, a tool holder having a tool adapted to engage the work, means including a shaft extending substantially parallel to the work axis for pivotally mounting the tool holder on the base, an eccentric shaft extending substantially parallel to the first mentioned shaft and operatively engaging the tool holder for moving it inwardly and outwardly with respect to the work axis, means for rotating the work, and means for oscillating the eccentric shaft through a limited angle less than that of a complete rotation and in timed relation to the work rotation, whereby such oscillation enables moving the tool accurate and small amounts to and from the axis of work rotation.

2,103,316

GREASE TRAP

Edward W. N. Boosey, Detroit, Mich.

Continuation of application Serial No. 711,311, February 15, 1934. This application July 21, 1934, Serial No. 736,340
17 Claims. (Cl. 182—9)



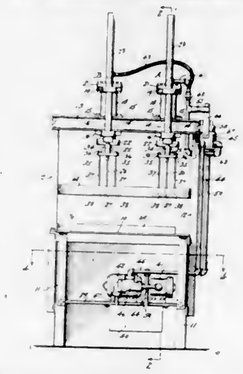
1. In a grease trap, a chambered body having an inlet conduit, an outlet conduit opening to the body of the trap below the normal liquid level therein, said outlet being positioned to determine the normal level of liquid below the top providing an air and gas space, a vent means for discharging gas and air from the said space to the outlet, and means associated with the vent for preventing greases and oils accumulated on the surface of the liquid from passing through the vent to the outlet, said vent means comprising a casing opening through the top of the body and providing an inlet for the vent.

2,103,317

CUTTING MACHINE FOR SPAGHETTI, MACARONI, ETC.

Nicholas J. Cavagnaro, Richmond Hill, N. Y., assignor to Consolidated Macaroni Machinery Corporation, Brooklyn, N. Y., a corporation of New York

Application February 16, 1935, Serial No. 6,825
3 Claims. (Cl. 107—21)



1. In a machine for the purposes described having a support for a tray containing the material to be cut and a frame including a transverse portion spaced above said support, a plurality of hydraulically actuated and selectively operable cutter means adjustably mounted on said trans-

verse frame portion for spacing the same according to lengths of cut material desired to be obtained.

2,103,318

CULINARY UTENSIL OF FIBROUS STRUCTURE AND METHOD OF MAKING SAME

Albert L. Clapp, Danvers, Mass.

No Drawing. Application June 17, 1933, Serial No. 676,401
6 Claims. (Cl. 92—21)

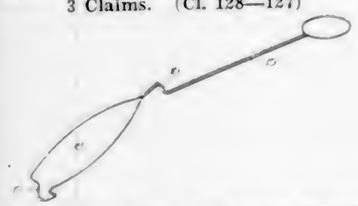
1. A culinary utensil shaped and adapted to hold foodstuff during cooking and baking operations and of a relatively stiff and rigid molded structure comprising interfelted fibrous material of a thickness not exceeding about 0.030 inch, the pores of which contain swelled starch particles derived from raw starch modified to a swelled condition in situ in the pores, said starch being present in the amount of at least 10%, based on the dry weight of the fibrous material, and said amount of starch serving to stiffen said structure sufficiently to keep its molded shape when handled and to render said structure substantially greaseproof.

2,103,319

APPLICATOR FOR PESSARIES

Percy L. Clark, Jr., Chicago, Ill.

Application November 2, 1935, Serial No. 47,956
3 Claims. (Cl. 128—127)



1. An applicator for diaphragms comprising a frame structure and a handle, said frame providing a pair of abutments spaced apart a distance greater than the diameter of the diphragm to be used therewith, the frame between the abutments being spread to provide an open space within which a sack formed as a part of said diaphragm may be accommodated.

2,103,320

ABRASIVE HOLDER

Edward V. Corff, Chicago, Ill.

Application September 6, 1935, Serial No. 39,429
1 Claim. (Cl. 51—187)



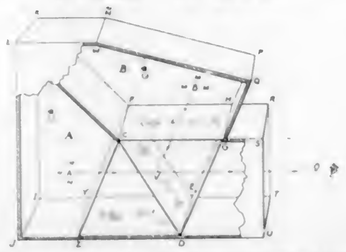
An article of the kind described comprising an elongated hollow body member having one end forming a handle and the other end providing a slightly tapered surface uniformly convergent away from the handle, said tapered end having a narrow longitudinal recess or open seam terminating in its smaller end, the side walls of the recessed portion being resilient and so spaced that opposite edge portions of an abrasive sheet may be inserted in the open end of the recess and the sheet drawn longitudinally over said tapered portion to a position wherein it is disposed about and closely fits said tapered surface with its inserted edge portions held in spring pressed engagement by the bounding edges of said recess.

2,103,321

APPARATUS FOR PRODUCING OPTICAL ILLUSIONS

Francisco Suárez de Deza and Ramón Benito Mangana Trabazo, Buenos Aires, Argentina

Application April 24, 1937, Serial No. 138,786
In Argentina February 23, 1937
3 Claims. (Cl. 88—75)



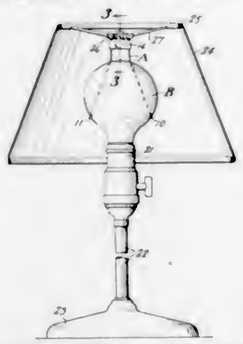
3. An apparatus for producing optical illusions, characterized in that it comprises, in combination, a transparent mirror interpolated between some objects and the observer; plates of transparent and diaphanous material arranged at symmetrical angles in respect to the plane of the transparent mirror, one of said plates being applied to all or part of the floor on which said objects are placed; and means for alternatively illuminating one face and the other of the transparent mirror.

2,103,322

LAMP SHADE ADAPTER

William N. de Sherbinin, Hastings on Hudson, N. Y.

Application February 15, 1934, Serial No. 711,319
6 Claims. (Cl. 240—138)



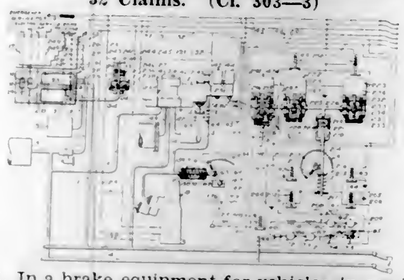
1. An adapter for securing a lamp shade to an electric light bulb comprising spaced resilient ring-like members for engaging opposite parts of an electric light bulb, and plates secured directly to each of said ring-like members, said plates having a portion for engaging the inner annulus of a bridge and ring type shade and another portion of smaller dimension than the first mentioned portion for engaging the washer of a washer type shade, whereby the shade may be securely mounted on the bulbs.

2,103,323

BRAKE SYSTEM FOR HIGH SPEED TRAINS

Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 18, 1935, Serial No. 27,171
32 Claims. (Cl. 303—3)



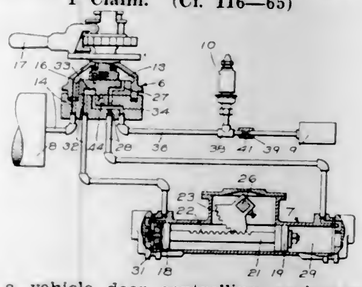
1. In a brake equipment for vehicles, in combination, fluid pressure braking means, an electric dynamic braking means, a brake control pipe, means comprising a brake valve device and a control valve device for controlling the supply of fluid under pressure to said brake control pipe to effect a pressure therein corresponding to a desired degree of braking, a retardation control device for limiting the application of said fluid pressure brake in accordance with the rate of retardation of the vehicle, means responsive to pressure in said control pipe for controlling the degree of application of said dynamic braking means, and means responsive to the pressure in said brake control pipe for controlling the setting of said retardation control device.

2,103,324

DOOR CLOSING WARNING SIGNAL

Sidney G. Down, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 10, 1935, Serial No. 35,600
1 Claim. (Cl. 116—65)



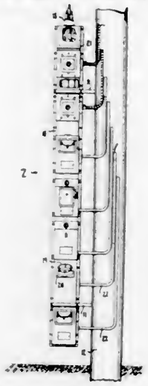
In a vehicle door controlling equipment, in combination, a door engine having a movable abutment operative by fluid under pressure supplied to one side to open a door and by the fluid under pressure supplied to the opposite side to close the door, a control valve device having a door-open position for supplying fluid under pressure to the door opening side of the movable abutment, and having a door-closed position for supplying fluid under pressure to the opposite side of said abutment and for venting fluid under pressure from said door opening side, a communication through which said control valve device is adapted to vent fluid under pressure from the door-opening side of said door engine to the atmosphere upon movement of said device to the door-closed position, said communication having a choke portion with a restricted flow area for producing a local back pressure in the communication upon fluid under pressure being supplied thereto, and fluid pressure responsive signal means connected to said communication intermediate said choke portion and the door engine.

2,103,325

PANEL BOARD

William H. Frank and Joseph W. Harper, Detroit, Mich.

Application May 13, 1935, Serial No. 21,114
5 Claims. (Cl. 247—3)



1. A panelboard comprising a vertically disposed support, a vertically disposed elongated casing closely adjacent thereto and supported thereby, and a group of closely spaced branch circuit enclosed box-like units removably supported thereon and outside the casing, and disposed on opposite front and back walls thereof, with their long dimensions parallel to the run of the casing, the casing containing naked rigid bus bars insulatedly supported therein with their edges adjacent the front and back walls of the casing, the casing having openings in these front and back walls suitably positioned over the bus bars to provide access to the bus bars from front and back of the casing for contacts plugged onto the bus bars through the openings, the contacts projecting from the backs of the units and engaging flat sides of the bus bars, the contacts being parts of the associated group of branch circuit units, these having identical mounting and plug-in details of construction whereby they may interchangeably cooperate with standard arrangements of bus bars, openings, and unit mounting details of the casing, the associated group of branch circuit units having a variety of branch circuit control means of different types.

2,103,326

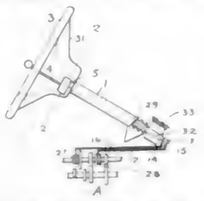
GEAR SHIFT MECHANISM FOR AUTOMOBILE TRANSMISSIONS

James L. Getaz, Maryville, Tenn.

Application September 16, 1935, Serial No. 40,697
16 Claims. (Cl. 74—473)

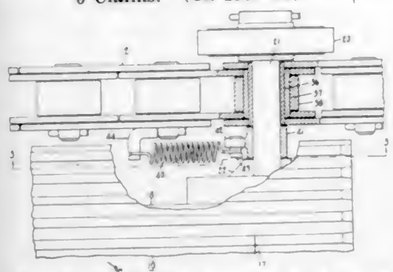
1. In an automobile, a set of gears, a lever for shifting said gears, a steering wheel, a hollow

shaft operated by said steering wheel, a support through said hollow shaft for said lever, a plurality of means connected to the gears, and adapted to be engaged by said lever to actuate the



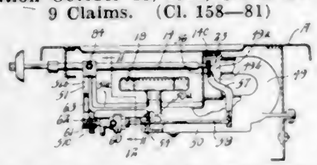
gears, said means extending through said hollow shaft, said lever being rotatable to either side of a vertical plane parallel to said hollow shaft for selective engagement of said lever with one of said means for shifting of said gears.

2,103,327
MOVING STAIRWAY
Arthur Edward Handy, Lynbrook, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application August 18, 1937, Serial No. 159,650
6 Claims. (Cl. 198—16)



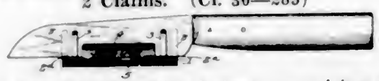
1. A moving stairway comprising; a series of steps; running gear chain for said steps; a wheel for each step; an axle for each wheel, said running gear chain being provided with an aperture for each axle through which the axle extends; and means for each step for yieldingly maintaining said axle for the wheel of that step against the wall of its aperture in said chain.

2,103,328
FUEL FEEDING SYSTEM WITH THERMOSTATIC AIR CONTROL
Hans C. Hanson and Walter Olsen, Albert Lea, Minn.
Application October 18, 1933, Serial No. 694,082
9 Claims. (Cl. 158—81)



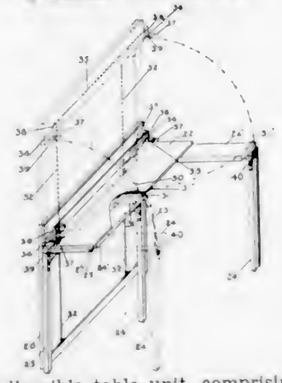
2. A fuel feeding system for hydrocarbon burners having in combination a generator tube heated by the burner when in operation, a liquid fuel supply means for feeding said tube, a compressed air supply means for simultaneously feeding air with liquid fuel to said tube, means affording communication between said two supply means and said tube, a valve in said compressed air supply means controlling the passage of air therethrough, a supporting structure for said generator tube and said valve and subject to some expansion through heat from said burner when in operation, said supporting structure being connected to said generator tube in spaced relation from one end thereof, a member bearing against the said end of said generator tube and movable by said tube as the tube expands through heat and a rod formed of material having a higher coefficient of expansion than the material forming said supporting structure and extending between said member and said valve, said valve being normally open and said rod acting to close said valve as said generator tube is heated to a certain temperature and the expansion of said rod through heat acting to compensate to at least some degree for the expansion of said supporting structure as it is heated.

2,103,329
GUARD FOR PARING KNIVES
Julius H. Karlson, Chicago, Ill.
Application January 31, 1936, Serial No. 61,687
2 Claims. (Cl. 30—285)



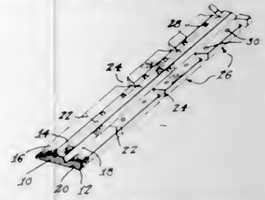
2. A guard for paring knives, comprising a flat metal gauge bar having integral with one edge thereof upstanding blade-embracing fingers deflected from said edge to opposite sides of a plane which causes them to hold a knife blade at a large obtuse angle to the plane of the gauge bar and to arrest the cutting edge of the blade at a throat-maintaining distance from the edge of said gauge bar from which said fingers project and in a plane laterally displaced therefrom; said gauge bar having a guard flange upstanding from the edge that carries the fingers and extending between the nearer fingers of the respective pairs in a plane substantially normal to the plane of said gauge bar; said gauge bar also having a stiffening flange upstanding from the margin thereof which is remote from its finger-carrying edge.

2,103,330
COLLAPSIBLE TABLE UNIT
Harry L. La Fetra, New York, N. Y.
Application June 5, 1937, Serial No. 146,529
4 Claims. (Cl. 311—80)



1. A collapsible table unit, comprising a sub-table top element and a pair of legs fixed thereto, a pair of swingable legs including respective portions hinged to the sub-table top element to swing thereunder when the table is not in use and to be swung outwardly to position the legs, a table top pivotally and slidably attached to the sub-table top element and adapted to be swung thereover for support thereon and upon the positioned swingable pair of legs and to be dropped in front of the outer edge of said sub-table top element in collapsing the table unit, and leveling means attached to the under side of the table top to rest upon the hinged portions of the swingable pair of legs when said top is brought thereover, together with means pivotally carried by the leveling means to lock the table top to said swingable pair of legs.

2,103,331
WELTING AND METHOD OF MAKING THE SAME
Edward F. Mathews, Weymouth, Mass.
Application January 23, 1936, Serial No. 60,405
10 Claims. (Cl. 36—78)



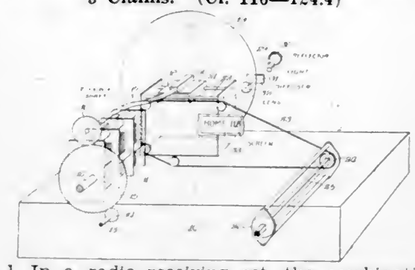
1. An article of manufacture comprising a welting strip having a rear face and a finished front face, the rear face being grooved longitudinally therealong within such face to permit flexing of the body portion along and in a direction to close the groove, the strip having predetermined and open thread-receiving perforations on opposite sides of the groove and said rear face being skived along one edge in a manner reducing the body in tapering thickness toward said edge.

2,103,332
POLE AND GUY CALCULATOR
Walter W. Mayfield, Jefferson City, Mo.
Application August 11, 1936, Serial No. 95,316
3 Claims. (Cl. 235—84)



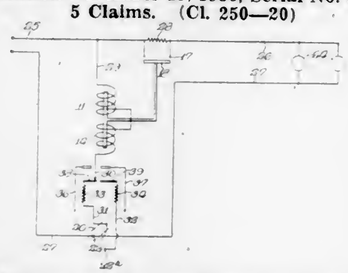
1. A calculating device comprising a base member provided near its edge with a scale, an intermediate member movable with respect to said base and having a set of graduations thereon, an ear on said intermediate member, a set of graduations on said ear adapted to cooperate with said first scale, a set of logarithmic graduations on said base member, a second set of logarithmic graduations on said base member disposed concentrically within said first set, an upper member movable with respect to said base and intermediate member there being windows in said upper member through which are visible the set of graduations on said base member, a logarithmic scale on said upper member cooperating with the first one of said graduations on said base, and a second logarithmic scale on said upper member cooperating with the graduations on said intermediate member through said windows.

2,103,333
MEANS FOR PROJECTING AND MAGNIFYING TUNING INDICIA
John L. McWeeny, Chicago, Ill.
Application November 12, 1936, Serial No. 110,461
3 Claims. (Cl. 116—124.4)



1. In a radio receiving set, the combination with a variable condenser, of a disc mounted for bodily movement transverse to the axis of rotation of the disc, a flexible shaft connecting the shaft of the disc to the rotating element of the condenser, said disc having a plurality of series of indicia arranged in circles of different radii, said indicia being radially disposed in light-contrast relation on said disc, a source of light positioned to project rays past said indicia, a lens placed to collect said transmitted rays, a screen on which said rays are projected to reproduce said indicia in enlarged form, and means for shifting said disc to present the indicia of different circles to said source of light.

2,103,334
MEANS FOR DIMMING RADIO LIGHTS
John L. McWeeny, Chicago, Ill.
Application November 19, 1936, Serial No. 111,707
5 Claims. (Cl. 250—20)



1. In means of the class described, the combination of a light circuit having a switch, said circuit having resistance therein when the switch is open, and means for controlling said switch including a magnet having a movable part, a circuit for energizing said magnet to move said part and close said switch and short circuit said resistance, means for closing said last named circuit, said last named circuit including resistance for generating heat, and a thermostat positioned to be affected by said heat and

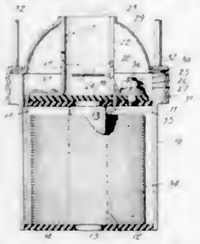
acting to break said last named circuit after the expiration of a predetermined time, whereby to de-energize said magnet and open said switch and thereby to place said resistance in circuit with said light.

2,103,335
X-RAY TUBE
Harry F. Mesick, Jr. and Malvern J. Gross, Chicago, Ill., assignors to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application May 28, 1932, Serial No. 614,124
24 Claims. (Cl. 250—34)



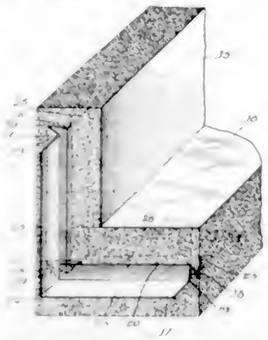
1. The combination with an X-ray tube, of a demountable casing comprising an inner continuous, imperforate sleeve of insulating material transparent to X-light, a centrally disposed housing member of X-ray absorbing material about said transparent insulating sleeve, and end housing sleeves of insulating X-ray absorbing material engaging said centrally disposed member, there being a window for a beam of X-light in said centrally disposed housing member.

2,103,336
PORTABLE LIGHT
Stefan Novoveszky, St. Louis, Mo.
Application January 24, 1936, Serial No. 60,558
2 Claims. (Cl. 240—8.18)



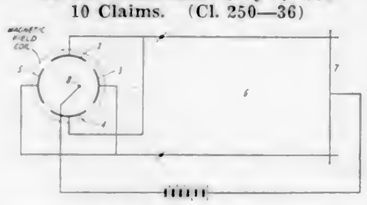
1. A light comprising a hollow casing open at both ends, a spool therein including a magnetically permeable core and end members, said members being of insulating material and having centrally disposed holes and said core having reduced portions extending into said holes to effect assembly of the spool, one end member serving as a closure for one end of the casing, an insulating member connected to said other spool end member in superposed relation, a bulb socket directly supported by the insulating member, a contact blade connected to said insulating member by a terminal and extended into said socket through an opening therein in non-engaging relation, said terminal, a coil between said end members and surrounding said core having one end connected to the socket and the other end to said terminal, a reflector disposed about said socket and maintained in removable relation thereto by a ring screw threadedly engaging said casing whereby said light elements may be readily completely dismantled for repair, and power leads, one connected to said terminal and one to said socket, whereby current passed through a light bulb in the socket contacting the blade passes through the coil to energize the core so that it will adhere to permeable objects to support the light.

2,103,337
EXPANSION JOINT
John Foster Oury, Chicago, Ill.
Application March 17, 1937, Serial No. 131,281
5 Claims. (Cl. 72—106)



1. An expansion joint for concrete structures comprising a unitary sheet of metal having its end portions folded at an angle to each other and into channel portions in one section, the channel section projecting inwardly and the other portion having the channel portion extending outwardly.

2,103,338
ULTRAHIGH FREQUENCY OSCILLATOR
Klaas Posthumus and Pierre Janne Henri Alphonse Nordlohne, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application June 15, 1935, Serial No. 26,760
In the Netherlands July 7, 1934
10 Claims. (Cl. 250—36)

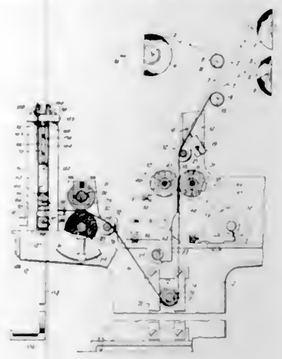


1. An oscillation generator comprising an electron discharge device having within an evacuated container a cathode and a plurality of anodes surrounding said cathode, means for suitably energizing said cathode and anodes and for applying a magnetic field to the electrons emanating from said cathode to produce oscillations, said cathode being located unsymmetrically with respect to said anodes.

2,103,339
PACKAGE FORMING MACHINE
Leroy L. Salfisberg, South Orange, N. J., assignor to Wrap-Ade Machine Company, Inc., Newark, N. J., a corporation of Delaware
Application August 21, 1936, Serial No. 97,104
18 Claims. (Cl. 93—18)

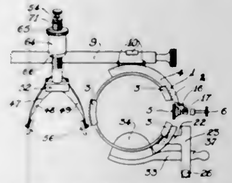
1. A package forming machine comprising, means for feeding plural layers of ribbon packaging material, roller means for crimping said layers upon both sides to close the edges thereof for forming a continuous tube-like packaging structure, a motor for continuously driving said roller means, intermittent means for forming

said tube-like structure into envelopes, said intermittent means comprising crimping and severing means for intermittently transversely



crimping and severing said tube-like structure in predetermined lengths, and feeding means for feeding said tube-like structure from said roller means to said intermittent means.

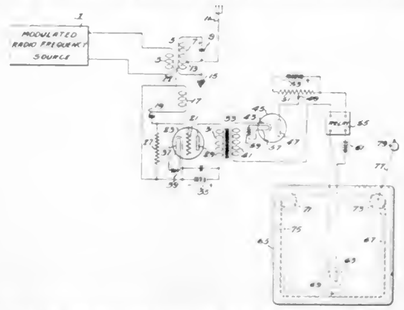
2,103,340
OPTICAL TRIAL FRAME
Nathan Schneck, Manitowoc, Wis.
Application May 7, 1936, Serial No. 78,312
9 Claims. (Cl. 88—20)



1. In an optical trial frame, the combination with a cross-bar and eye-ring assemblies suspended from said cross-bar, of a forwardly extending arm supported at one end thereof by said cross-bar on a horizontal pivot, a collar rigid with the other end of said arm, an internally threaded thimble journaled in and locked against endwise movement relatively to said collar, a screw extending through and having threaded engagement with said thimble, means for locking said screw against turning, a nose-grip attached to said screw, and means for rotating said thimble.

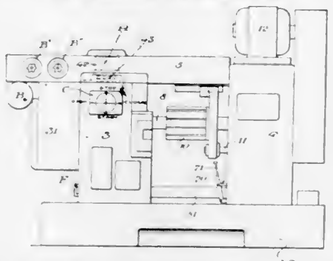
2,103,341
MODULATION METERING DEVICE
Harold J. Schrader, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 28, 1936, Serial No. 61,150
6 Claims. (Cl. 179—171)

1. In a modulation metering device, a circuit including a rectifier, relay, and illumination means, means for impressing modulated carrier current on said circuit, means for biasing said rectifier to prevent rectification of currents below a predetermined level, currents exceeding said bias corresponding to overmodulation, a source of power, means connecting said source to said illumination means and to said relay whereby the operation of the relay applies power to said illumination means during intervals when said modulation exceeds said predetermined level,



and light sensitive means for recording said illumination.

2,103,342
ELECTRIC CHUCKING MACHINE
Charlie W. Simpson, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application September 16, 1936, Serial No. 101,051
62 Claims. (Cl. 29—38)

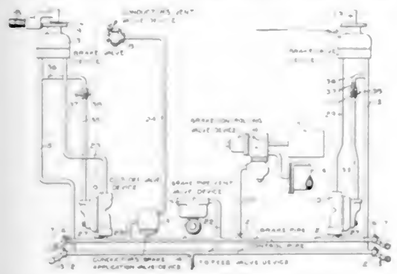


1. In a chucking machine having an indexible rotary spindle carrier provided with rotary chuck carrying spindles, a unit within each spindle for operating its chuck, shiftable means for engaging each chuck unit as it is indexed into position, an electrical motor rotating said shiftable means, an electric motor for axially shifting it, and means whereby the operation of said motors in sequence is electrically controlled.

2,103,343
FLUID PRESSURE BRAKE
Carlton D. Stewart, Swissvale, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 16, 1936, Serial No. 100,997
9 Claims. (Cl. 303—14)

1. In a fluid pressure brake equipment, in combination, a brake pipe, a reduction in the pressure of which brake pipe is adapted to cause the equipment to operate to effect an application of the brakes a plurality of brake controlling valve devices for controlling an application of the brakes, connections from said brake pipe to said devices, some of said connections being of minimum length, others, which lead from relatively large volumes, being of minimum length and being restricted at a point close to the brake pipe and others of greater length and unnecessary in certain braking operations being adapted to be cut off from the brake pipe, all of which combined minimizes the amount and rate of back-flow of

fluid from said devices to the brake pipe upon a reduction in brake pipe pressure and thereby minimizes the detrimental effect back-flow of



fluid may have on the transmission of the reduction in brake pipe pressure throughout a plurality of operatively connected brake equipments.

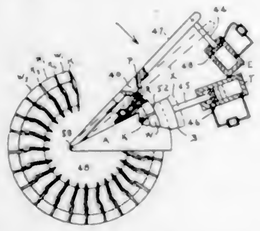
2,103,344

PROCESS OF MAKING LININGS FOR JORDAN ENGINE SHELLS

Harold D. Stuck, Lawrence, and Philip A. De Nault, North Andover, Mass., assignors to John W. Bolton & Sons, Inc., Lawrence, Mass., a corporation of Massachusetts

Refiled for application Serial No. 728,780, June 2, 1934. This application February 25, 1937, Serial No. 127,700

4 Claims. (Cl. 92—27)



1. The process of making a section of a preassembled built up lining for a Jordan engine shell which consists of assembling a group of the elements and of holding them in position while predetermined pressure is applied to them in a direction at substantially right angles to the length, of holding the pressed together parts in place and of adding other groups, of applying similar pressure to such groups successively, and of holding such groups together with the preceding group or groups until a larger section of the filling is built up.

2,103,345

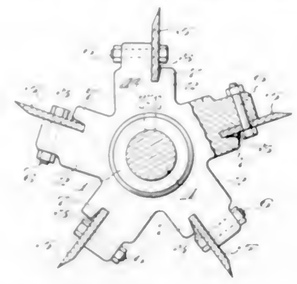
SPIDER CONSTRUCTION FOR STALK CUTTERS

Lloyd J. Taylor, Wichita Falls, Tex.

Application October 1, 1936, Serial No. 103,539

1 Claim. (Cl. 146—121)

As a new article of manufacture, the combination in a spider casting for rotary stalk cutters comprising a tapered hub portion receivable on a shaft, a series of radial arms, each being bifurcated to define two projecting portions of unequal length, the space between said portions affording a recess to receive a cutter blade and having one wall as an abutting face for said blade and whose plane intersects the rotating axis of said hub, the adjacent wall of said recess being inclined



relative to said abutting wall and means for securing said blade in said recess.

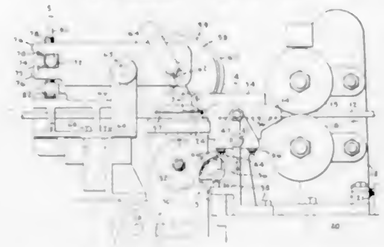
2,103,346

TUBE WELDING

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application April 17, 1936, Serial No. 75,030

13 Claims. (Cl. 78—87)



1. In a machine for welding the longitudinal seams of two tubes traveling in adjacent and generally parallel courses, the combination of torches disposed to apply high-temperature flames to the seam regions at juxtaposed portions of the courses, and a set of rolls laterally holding both tubes adjacent the welding regions, said set of rolls comprising two adjacent rolls constructed and arranged to contact with the outer sides of the respective tubes, and roll means in axially angular relation to said two rolls and extending into the narrow spacing between the tubes and into contact with the inner sides of the tubes adjacent the welding regions to hold the tubes against said adjacent rolls.

2,103,347

WINDING MACHINE

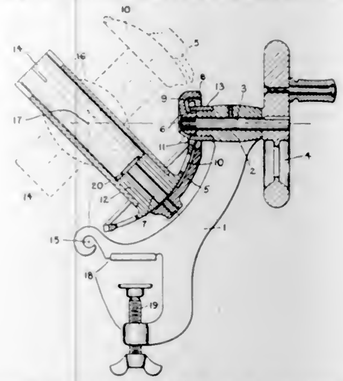
Robert J. Bartholomew, Germantown, Pa.

Application July 10, 1936, Serial No. 90,030

5 Claims. (Cl. 242—2)

1. A ball winder comprising a support having clamp jaws thereon, one of said jaws having a fastening bolt and the other a guide aperture, a bearing on the support, a shaft in the bearing, an arm secured to the shaft, a journal on said arm, a gear on said journal, a bobbin affixed to said gear, a gear fixed non-rotatably to the bearing, the arm having one end shaped to form a hood for the fixed gear and the adjacent end of the shaft and bearing, and the rest of the arm lying

between a portion of the support and the first-named gear, the arm having an aperture adjacent



the hood to enable the gears to be in constant engagement with each other.

2,103,348

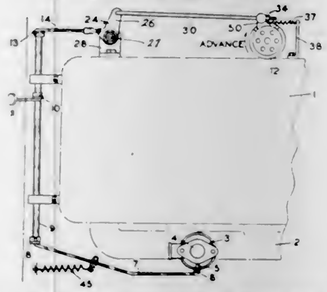
IGNITION TIMER CONTROLLING DEVICE

Leonard D. Boyce, Maplewood, Mo.

Application August 13, 1934, Serial No. 739,559

Renewed July 12, 1937

1 Claim. (Cl. 123—98)



In an internal combustion engine, having a device for supplying fuel mixture thereto, a valve for controlling the supply of said mixture, means including a distributor for supplying a spark to said engine, said distributor having adjusting means whereby the timing of the spark may be advanced or retarded, a manually operable device for controlling said valve, connections between said manually operable device and said distributor adjusting means, said connections being constructed and arranged to move the distributor adjusting means to a spark retarding position when the valve is in fully open position and when the valve is in fully closed position and to a spark advancing position when the valve is in partially open position.

2,103,349

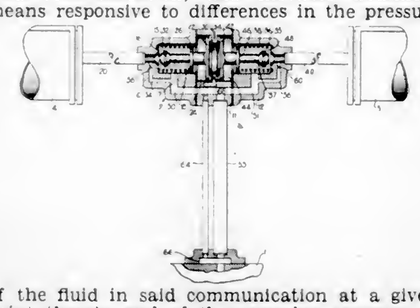
CHECK VALVE DEVICE

Willard I. Conant, Decatur, Ill., and Clyde C. Farmer, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application February 29, 1936, Serial No. 66,406

26 Claims. (Cl. 303—84)

1. In a fluid pressure brake equipment, in combination, a brake cylinder, a communication through which fluid pressure may be supplied to the brake cylinder, valve means controlling the flow of fluid to the brake cylinder through said communication, and movable abutment means responsive to differences in the pressure



of the fluid in said communication at a given point therein and of the opposing pressure of fluid at a point therein spaced a substantial distance from said given point for operating said valve means.

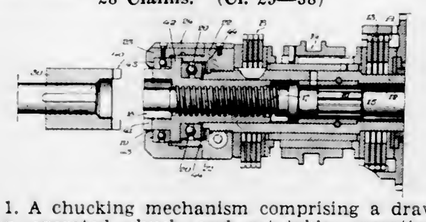
2,103,350

DRAWBAR MECHANISM FOR ELECTRIC CHUCKING MACHINES

Alfred E. Drissner, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio

Application October 9, 1936, Serial No. 104,771

28 Claims. (Cl. 29—38)



1. A chucking mechanism comprising a draw bar operated chuck and rotatable operating means therefor, and means for urging the entire draw bar in its chuck locking direction after the rotatable operating means has performed its work of closing the chuck.

2,103,351

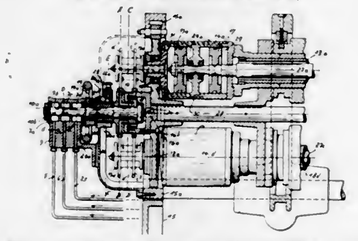
METALWORKING MACHINE

Rudolf Eckardt, Leipzig, Germany, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio

Application September 13, 1935, Serial No. 40,403

In Germany September 17, 1934

28 Claims. (Cl. 29—38)



1. In a metal working machine, the combination of a rotary spindle carrier, a plurality of rotary work spindles carried thereby, a chuck for each work spindle, pressure fluid operated means

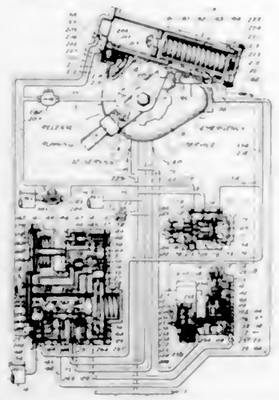
for operating the said chucks, a single centrally arranged control device for the said pressure fluid operated means which control device comprises two discs rotatable relatively to each other and being provided with ducts for the pressure fluid and independently indexible means co-operating with said single control device and pressure fluid operating means for controlling the operation of the chucks in any operative position of the spindles, said single control device being in direct communication with a single fluid pressure supply source for opening and closing the chucks and also maintaining them closed.

2,103,352

AUTOMATIC TRAIN CONTROL DEVICE

Clyde C. Farmer, Pittsburgh, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application June 26, 1935, Serial No. 28,390
38 Claims. (Cl. 303—18)



1. In a train control brake equipment, in combination, a brake pipe, a brake valve device having a normal position for supplying fluid under pressure to said brake pipe, a lap position for cutting off the supply of fluid under pressure to said brake pipe and an application position for venting fluid under pressure from said brake pipe, a handle operable manually to move said brake valve device out of said normal position to either said lap or application position, a movable abutment, a lug associated with said abutment and operative by said abutment to effect movement of said handle and thereby said brake valve device out of said normal position to lap position only, and means operative upon a change in signal indication to effect operation of said abutment, the movement of said brake valve device by said handle being independent of said abutment.

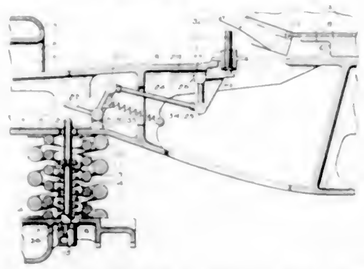
2,103,353

LOAD BRAKE MECHANISM

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 3, 1936, Serial No. 99,211
4 Claims. (Cl. 188—195)

1. In a vehicle, in combination, a vehicle body, a supporting truck for said body comprising a side frame and a member associated with said side frame and movable vertically relative thereto according to the load carried by said body, an empty and load brake control element having an empty position and a load position and operatively carried by said vehicle body, a strut carried by said side frame, and a control mechanism carried by said member and movable vertically therewith and adapted to cooperate with



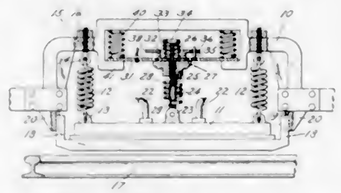
said strut and element to control the positioning of said element according to the load carried by said body, said control mechanism being normally out of operative engagement with said strut and being movable into operative engagement therewith by said element.

2,103,354

MAGNETIC BRAKE SHOE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 30, 1936, Serial No. 103,293
15 Claims. (Cl. 188—165)



1. In a magnetic track brake system, in combination, a magnetic track brake device, means for yieldingly suspending said track brake device from a vehicle truck frame, and means for automatically maintaining said track brake device suspended in its normal or release position a substantially constant distance above a track rail regardless of wear which may take place on the track brake device due to repeated engagement with the track rail.

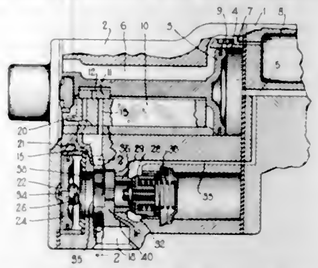
2,103,355

INSECT EXCLUDER

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application April 23, 1937, Serial No. 138,570
17 Claims. (Cl. 303—1)

1. In a vehicle fluid pressure brake equipment, in combination, a brake controlling valve device comprising a body having a vent chamber having a wall having a relatively large vent opening therein, said body also having a discharge passage therein opening to said vent chamber, said valve device incorporating means for releasing fluid under pressure through said discharge passage, and protecting means comprising a foraminous member secured in an opening in the wall of said vent chamber and substantially separating the portion of said vent chamber open to



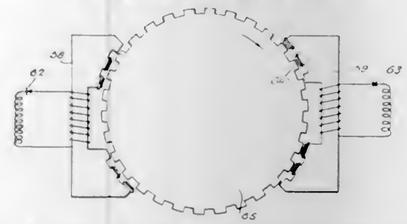
the vent opening from the portion of the vent chamber open to the discharge passage.

2,103,356

ELECTRIC MOTOR

Robert H. Fisher, New York, N. Y., assignor to Whiting Holding Company, Minneapolis, Minn., a corporation of Minnesota

Application December 5, 1935, Serial No. 52,986
2 Claims. (Cl. 172—275)



1. A motor comprising, a plurality of toothed stators each having its own individual electromagnetic exciting coil thereon, each stator being separate from and independent of the other, a toothed rotor, the respective stators being situated adjacent respectively different portions of said rotor for co-action therewith in a mutually independent manner, said coils being adapted for one thereof being normally connected to a source of electrical energy of pulsating magnitude, and lag rings of respectively different electrical conductivities encircling respective successive teeth of one of said stators whereby the magnetic fluxes in said encircled teeth will lag behind the flux in the unencircled teeth in phase-time relation and the degrees of lag in the respective encircled teeth will be respectively different.

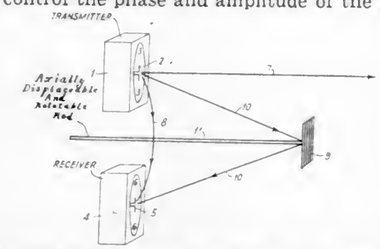
2,103,357

ULTRASHORT WAVE SYSTEM

Ernst Gerhard, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application July 18, 1936, Serial No. 91,260
In Germany August 19, 1935
2 Claims. (Cl. 250—9)

1. In an ultra short wave system, a transmitter employing a directive antenna and a reflector in the rear thereof, an adjacent receiver also having a directive antenna and a reflector, means for overcoming the effects of stray radiation from said transmitter entering said receiver, said means comprising a polarized plane reflector located in such manner as to receive a portion of the waves radiated by said transmitter and to reflect same back to said receiving antenna, said plane reflector being adjustable to control the phase and amplitude of the waves



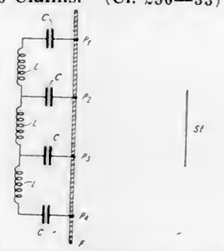
reflected by it, whereby said reflected waves can be received by said receiver in phase opposition and in amount equal to said stray radiation.

2,103,358

METHOD OF ELIMINATING RERADIATION

Albrecht Gothe, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application March 13, 1935, Serial No. 10,787
In Germany March 26, 1934
6 Claims. (Cl. 250—33)



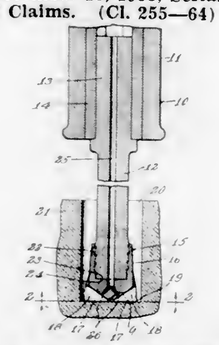
1. The method of eliminating reradiation from an electrical conducting surface which is excited by a radio frequency radiator, which comprises short circuiting points on said surface facing said radiator which present between said points substantial radio frequency voltage differences at the frequency of the operating wave of said radiator.

2,103,359

ROCK DRILL

Frank F. Graham, Cardiff, Md., assignor to Peyton du Pont, Incorporated, a corporation of Delaware

Application December 13, 1933, Serial No. 702,107
7 Claims. (Cl. 255—64)



5. A drill of the rotary-percussive type including a rod having a fluid passage extending

therethrough, a bit at one end of said rod, said bit comprising a body portion having a plurality of integral cutting edges, the inner ends of the cutting edges terminating short of the longitudinal axis of the drill to provide a central recess in the bit, said recess constituting an intercommunication for the spaces between the cutting edges and an aperture in the bit connected with the passage of said rod, said aperture terminating between the cutting edges of the bit and in spaced relation to the longitudinal axis of the drill.

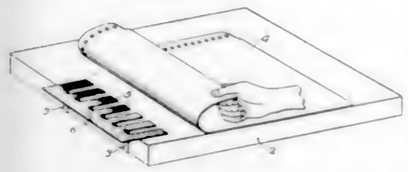
2,103,360

METHOD OF MAKING EQUALIZER SHEETS

Erwin C. Greenway, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts

Application September 25, 1936, Serial No. 102,513

3 Claims. (Cl. 93—1)



1. In a method of making equalizer sheets, the steps of positioning a comb like member adjacent one end of a sheet with the projecting strips of said comb like member projecting into the area of said sheet, adhering said projecting strips to said sheet, and trimming off the butt portion of said comb like member.

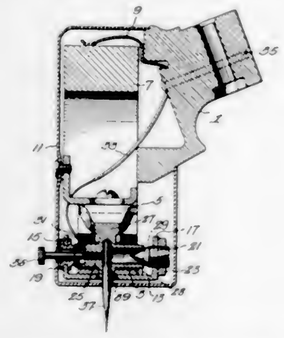
2,103,361

SIGNAL TRANSLATING APPARATUS

Emile C. Guedon, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 12, 1936, Serial No. 110,436

6 Claims. (Cl. 179—100.41)



1. In an electric signal translating device, the combination of an armature including a pivot shaft hollowed out at its ends and having a socket therein for the reception of a needle, and a pair of tapered bearing members extending into said hollowed ends for pivotally supporting said armature, one of said members being itself hollow for the reception of a needle screw for securing a needle in said socket.

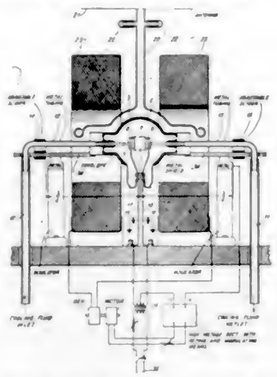
2,103,362

ULTRAHIGH FREQUENCY MAGNETRON OSCILLATOR

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 13, 1933, Serial No. 675,531

16 Claims. (Cl. 250—36)



1. An oscillation generator comprising an electron discharge device having a cylindrically shaped electron emitting element, a source of heating energy for said element and leads extending from said source to said element, an electron collecting element at the center of the electron emitting element and positioned along the axis thereof, and means for tuning said leads and the effective length of said electron collecting member.

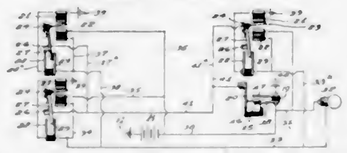
2,103,363

INDICATOR FOR MULTIPLE LOCK SETS

Lorrin L. Hansen, Rapid City, S. Dak.

Original application June 21, 1934, Serial No. 731,767. Divided and this application January 18, 1936, Serial No. 59,783

2 Claims. (Cl. 177—311)



1. In an electrically controlled locking system, a main key controlled lock and a plurality of electromagnetically controlled auxiliary locks, said main lock and said auxiliary locks each having a movable locking member having a locking position and an unlocking position, a movable contact mounted for movement with said locking member, a locking contact mounted to be engaged by said movable contact at the locking position of said member, an unlocking contact mounted to be engaged by said movable contact in the unlocking position of said member, means including said contacts of said main lock for locking and unlocking said auxiliary locks, an electric signal, circuits for said signal, and means for completing said circuits including the movable and locking contacts of said main lock, and the movable and unlocking contacts of said auxiliary locks to indicate the failure of any one of said auxiliary locking members to move to locking position.

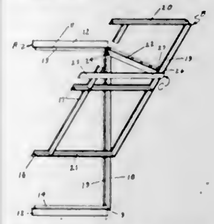
2,103,364

WINDOW

Casper F. Hanson, Albert Lea, Minn., assignor to Olson Manufacturing Company, Albert Lea, Minn., a corporation of Minnesota

Application April 6, 1936, Serial No. 72,867

7 Claims. (Cl. 189—69)



7. The combination with a window frame, of a sash mounted in the frame for vertical adjustment therein simultaneously with tilting movement on a horizontal axis, and means attached to the frame and influenced by the weight of the sash to adjustably grip the sides thereof at selected points above the tilting axis to support the sash in vertically adjusted positions, said means comprising a pair of arms each being pivoted at one end to the frame and having its other end provided with a recess engaged by a side bar of the sash.

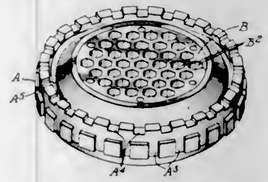
2,103,365

GAS BURNER

Fred Hess, Tredyffryn Township, Chester County, Pa., assignor to The Selas Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 1, 1934, Serial No. 713,432

7 Claims. (Cl. 158—116)



1. A plate-like gas burner wall member of ceramic material formed with a multiplicity of side by side burner channels of small cross section extending through it and separated from one another throughout their lengths by walls, each separating wall being relatively thin in respect to the cross-sectional area of an adjacent channel, whereby there is prevented the attainment of temperatures within said channels high enough for the ignition therein of a combustible gas mixture flowing through said channels in such volume that its combustion in its discharge from said channels will heat to incandescence the face of the burner at which the gas is discharged from said channels.

2,103,366

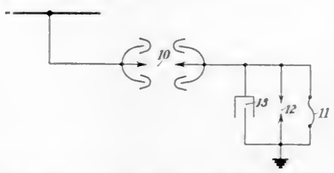
ARCING GAP

Ralph Higgins, Akron, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application July 27, 1935, Serial No. 33,533

6 Claims. (Cl. 175—30)

1. In a surge arrester the combination with an arcing gap, of a circuit interrupter adapted, when open, to provide an open break in the circuit in which it is connected, said interrupter being electrically connected between one terminal of said gap and ground, and a condenser in parallel with said circuit interrupter between said terminal and ground for supplying charging current to said arcing gap when said circuit interrupter is open, the capacitance of said condenser being insufficient to produce effective reduction in the crest of a surge voltage causing discharge across said gap, but the resistance of the path through said circuit interrupter being low enough to divert the major portion of the surge current from said condenser and to provide a substantially direct ground for said current.



3. The combination with an arcing gap, of a circuit interrupter in series with said gap between one terminal of said gap and ground, a condenser in parallel with said circuit interrupter, and an auxiliary gap in parallel with said circuit interrupter and said condenser.

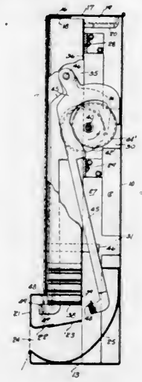
2,103,367

DISPENSING MACHINE

Fairfield William Hoban, New York, N. Y., assignor to Stewart & McGuire, Inc., New York, N. Y., a corporation of New York

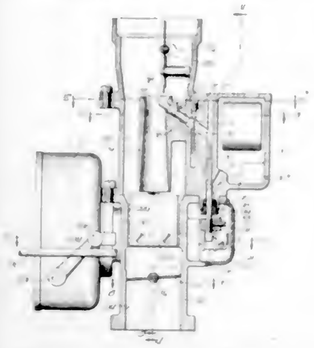
Application May 31, 1935, Serial No. 24,402

13 Claims. (Cl. 312—69)



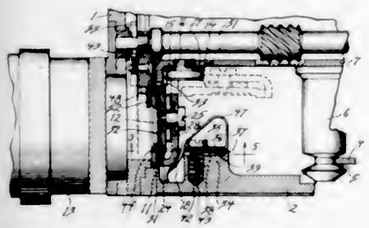
1. A dispensing device having a plurality of storage magazines arranged side by side, a reciprocatory element movable underneath each magazine for removing the lowermost article from the corresponding magazine, actuating means for positively shifting each reciprocatory element in each direction, said means extending upwardly alongside the corresponding magazines, and a transversely extending unitary step by step operator for all of said actuating means and movable only when all the reciprocatory elements are free to move, the operator being disposed above the bottoms of the magazines and connected to the actuating means so that at each step only one reciprocatory element engages an article to remove it.

2,103,368
FUEL CONTROL MECHANISM
Addison C. Hoof, Hinsdale, Ill.
Application September 6, 1935, Serial No. 39,375
18 Claims. (Cl. 261—51)



1. Downdraft fuel control means of the class described adapted to be inserted in the inlet conduit of an internal combustion engine, comprising a carburetor body having a conduit therethrough a governor housing secured thereto, a butterfly valve in said conduit, a governor valve, a liquid fuel supply, a liquid fuel nozzle in said conduit above both of said valves, a fuel valve, an air supply, a manual control for said butterfly valve, an automatic control for said governor valve and means interconnecting said butterfly valve, governor valve and liquid fuel valve for controlling the quality and quantity of fuel mixture flowing to said engine.

2,103,369
STRIP FEED MECHANISM
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application October 22, 1934, Serial No. 749,334
15 Claims. (Cl. 88—17)

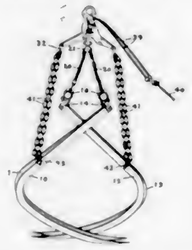


1. In a strip feed guide the combination of opposing strip face guide members, a pivotal mounting for one of said guide members and comprising flattened bearing means and spring means cooperating with said bearing means to yieldably urge this guide member into an intermediate position of its pivotal movement and adapted to permit movement thereof in either direction from said intermediate position, and releasable means for positioning said pivotally mounted guide member in film retaining relation with the other guide member.

6. In a strip feed mechanism the combination with an intermittent strip feed guide comprising a relatively stationary strip face guide member and an opposing movable face guide member, of a carrier mounted for movement facewise of said stationary guide member, means resiliently carrying said movable guide member on said carrier for limited facewise movement with respect thereto, releasable means for positioning said carrier member with said movable guide member in guiding relation with said stationary guide member, a take up device for taking up a strip from said guide, and opposing strip locking members between which the strip passes between the guide and said take up device to cause a relatively sharp bend in the strip consequent to tension exerted on the strip by said take up device, one of said locking members being arranged on said carrier beyond one end of said movable guide member for movement to and away from the other locking member with movement of said carrier to open and close said guide.

10. In a photographic camera the combination with a casing provided with an access opening and a door for closing said opening, of a film feed exposure guide within said casing and comprising opposing film face guide members and opposing film edge guide members, and mounting means carrying one of said face guide members and one of said edge guide members for movement into and out of film guiding position comprising a mounting carrying said movable edge guide member on said door.

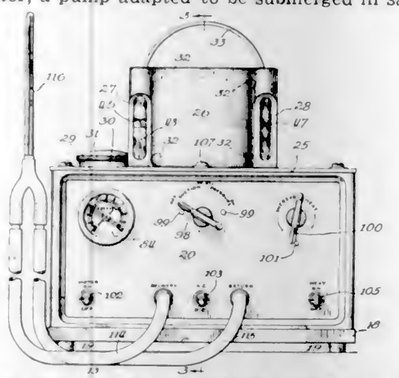
2,103,370
HAY FORK
Albert C. Johnson, Fairfield, Iowa, assignor to The Louden Machinery Company, Fairfield, Iowa, a corporation of Iowa
Application February 19, 1936, Serial No. 64,718
11 Claims. (Cl. 294—109)



1. A hay fork comprising a head, a plurality of individually supported pairs of tines, the tines of each pair being hinged with respect to each other, and constrained to move about a definite axis, means connecting the hinged ends of the tines to the head, said means being releasably secured to the head, and means connecting the tines intermediate their length to the head to support the tines when the first mentioned means are released from the head.

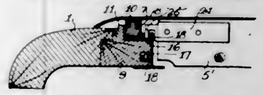
2,103,371
THERAPEUTIC DEVICE
Arthur C. Kleckner, Racine, Wis.
Application April 21, 1934, Serial No. 721,684
6 Claims. (Cl. 128—401)

1. A therapeutic device of the type described, comprising a tank for liquid to be circulated, means for heating said liquid, and a unitary structure including a flange whereby it is removably mounted on said tank and partly extending thereinto, said unitary structure comprising a motor, a pump adapted to be submerged in said



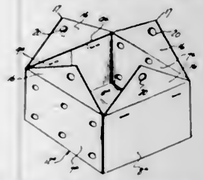
liquid, and conduit means above said flange for supplying heated liquid from and to said pump.

2,103,372
SLIDING HOOD
Hermann Lange, Erlenbach, Switzerland
Application November 26, 1935, Serial No. 51,656
2 Claims. (Cl. 296—137)



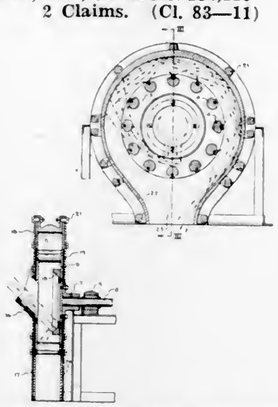
1. A sliding hood, comprising in combination hoops, longitudinal bars one on each side of said hoops and each having a guide channel on its inner side, U-section guides on the upper side of each of said bars, endless pull link chains mounted on each of said bars and extending parallel to said guides, the upper part of each chain being exposed on its upper side and situated at the same height as the adjacent guide and guided between this guide and the middle of the end face of said hoops, and the lower part of each chain being accommodated in a guide channel in its bar, inverted T-section irons arranged one on the inner side of each of said bars, the upright arms of said irons forming the outer wall of said guide channels and extending above the upper chain part and the inwardly projecting horizontal arm T-section forming a supporting guide for said hoops, and anchor pieces at the ends of one of the end hoops loosely engaging from above in the upper part of said chains at any desired link.

2,103,373
BOX
Martin J. McClure, El Paso, Ill.
Application March 30, 1935, Serial No. 13,856
1 Claim. (Cl. 229—33)



In a device of the kind described, a box made up from a blank of cardboard impregnated against moisture and including a bottom, sides turned upward from the bottom, ends turned upward from the bottom, fastening flaps turned in from the said sides and disposed within the ends, staples securing the ends and fastening flaps together, and the said sides having ventilating apertures near their upper and lower margins, and triangular handle and cover flaps extended at their bases from the upper margins of the sides and ends and meeting precisely at the center so as to completely close the box, the said flaps having their apertures near their free ends.

2,103,374
APPARATUS FOR ELIMINATING SOFT STONE FROM GRAVEL
Victor Mikan, Durand, Mich.
Original application December 27, 1933, Serial No. 704,159. Divided and this application March 20, 1937, Serial No. 132,116
2 Claims. (Cl. 83—11)

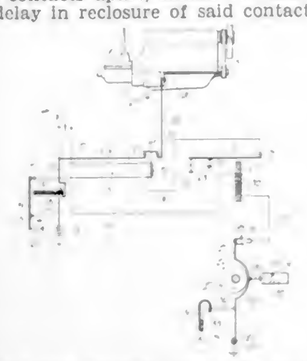


1. In apparatus for the elimination of soft stone in gravel, the combination of a rotor mounted for rotation in a vertical plane, said rotor having a hollow interior defined by an annular row of circumferentially spaced impact bars with openings defined therebetween for discharge of material directed into the interior of the rotor, disc-like plates spaced by said bars, a deflecting ring concentrically supported on one of said plates having a continuous surface angularly disposed to the axis of rotation of said rotor, means for directing gravel through the plate opposite the plate supporting said deflected ring through an unobstructed course, into engagement with said angular surface of said deflecting ring whereby the soft stone and gravel is directed from said deflecting ring to said impact bars, the direction of flow of gravel against said deflecting ring being substantially normal to said angular surface.

2,103,375
AUTOMATIC STARTING SYSTEM
Marion W. Morris, Logansport, Ind., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a corporation of New York
Application June 29, 1935, Serial No. 29,024
8 Claims. (Cl. 290—38)

1. In a starting system for internal combustion engines, a control circuit for said system including a normally closed set of contacts, means including mechanical means operated in

response to operation of said engine for holding said contacts apart, means for introducing a time delay in reclosure of said contacts after



said engine has stopped operating, and means for maintaining said time delay constant during temperature variations.

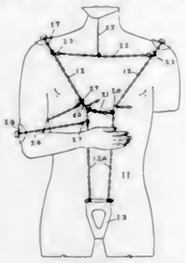
2,103,376

APPLIANCE FOR PREPARING BODIES FOR BURIAL

Homer R. Murray, Fairfield, Iowa

Application May 18, 1936, Serial No. 80,320

6 Claims. (Cl. 27—1)



1. An appliance for preparing bodies for burial comprising flexible members adapted to engage the shoulders of a body and a crotch-engaging member to which the flexible members are fastened under tension, whereby the shoulders may be drawn down and held in position during embalming.

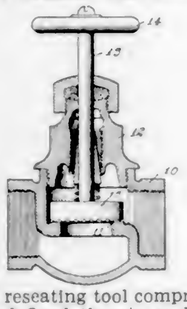
2,103,377

VALVE RESEATING TOOL

Raymond P. Norton, Algona, Iowa

Application November 27, 1936, Serial No. 113,042

2 Claims. (Cl. 29—103)



1. A valve reseating tool comprising a stem and a cutter head fixed thereto and adapted to rotate about the axis of said stem, one portion of the working surface of the cutter head having formed thereon a series of cutting blades, the cutting edge of the blade of said series which is in advance of the other blades during the normal rotation of the cutter being shorter than the remaining blades of the series relative to a plane at right angles to the axis of rotation of the tool, an oppositely disposed portion of the working surface of the cutter head having formed thereon a series of cutter blades having their cutting edges in substantially the same plane as that of the longer blades of the first mentioned series.

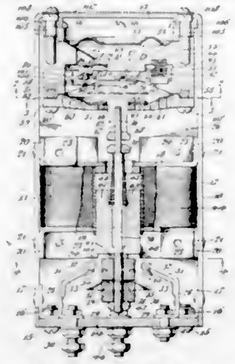
2,103,378

TIME DELAY APPARATUS

Victor L. Oestnaes, Westfield, and Carl Arthur Swanstrom, Irvington, N. J., assignors to American Gasaccumulator Company, a corporation of New Jersey

Application August 24, 1933, Serial No. 686,592

20 Claims. (Cl. 200—97)



1. In a time limit control device, the combination of a solenoid, a core movable therein, a transmission rod movable with said core and having a lost motion connection therewith, and delay means for said transmission rod comprising a compression chamber having a diaphragm wall connected to said transmission rod, an expansion chamber associated with said compression chamber, a throttling valve between said chambers, an equalizing valve between said chambers, means for closing said equalizing valve, and means for opening said equalizing valve upon a predetermined spacial movement of said transmission rod.

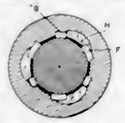
2,103,379

METHOD OF FORMING A ROTARY TOOL

Carl J. Oxford, Detroit, Mich., assignor to National Twist Drill & Tool Company, Detroit, Mich., a corporation of Michigan

Application September 14, 1936, Serial No. 100,775

3 Claims. (Cl. 29—156)



1. The method of forming a tool socket comprising the forming of said socket with a cylindrical bore, forming in the inner wall of said socket a series of longitudinally extending grooves and a second series of grooves of lesser

width intermediate and parallel to said first series leaving ribs therebetween, and cutting away portions of alternate ribs a predetermined distance from the end of the socket to form transverse grooves therein connecting the wide and narrow grooves, the remaining ribs constituting limiting shoulders at the end of each transverse groove accurately and uniformly positioned with respect to the corresponding wide grooves.

2,103,380

TORPEDO LAUNCHING GEAR

Hubert Scott-Paine, Hythe, England

Application August 31, 1936, Serial No. 98,650

In Great Britain June 20, 1935

7 Claims. (Cl. 114—18)



1. A marine weapon comprising a light variable speed craft having a torpedo runway thereon relative to which a torpedo may move longitudinally of the craft and of its own length from a normal position to a launching position, a torpedo supported for free relative movement along the runway from the normal to the launching position, a latch for restraining the torpedo against relative movement along the runway, and common means for simultaneously releasing the latch and changing the speed of the craft whereby the inertia of the torpedo is utilized to move it from the normal to the launching position.

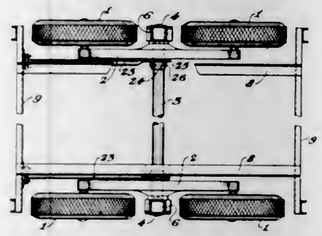
2,103,381

VEHICLE RUNNING GEAR

Edward H. Perkins and Hubert E. Mills, Midland, Mich., assignors, by mesne assignments, to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan

Application May 17, 1935, Serial No. 21,940

2 Claims. (Cl. 280—124)



1. A road vehicle having a body, a transversely extending axle beneath said body, rocker-beams on said axle adjacent opposite ends thereof, ground-engaging wheels upon the outer sides of said rocker-beams and connected thereto at opposite ends thereof, body supporting means at opposite ends of said axle upon the outer sides of said rocker-beams substantially in longitudinal alignment with said wheels, radius rods upon the inner sides of said rocker-beams and terminally connected to said body and axle, and guide brackets projecting downwardly from said body at each side thereof, each bracket having a slotted portion receiving the axle and an upright portion for sliding engagement with the contiguous radius rod.

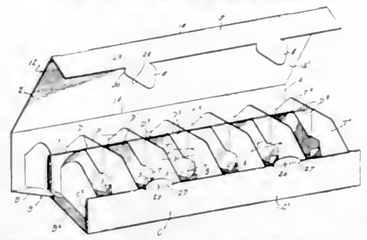
2,103,382

EGG CARTON

Noel A. Petter, Los Angeles, Calif.

Application December 11, 1935, Serial No. 53,889

11 Claims. (Cl. 229—29)



1. An egg carton having side walls, a bottom connected with said side walls and comprising two inclined panels with a longitudinal elevated ridge connecting the same, transverse partition walls hingedly connected to the inner faces of the side walls to swing in a horizontal plane, a longitudinal partition wall hingedly connected with the transverse partition walls, so that the longitudinal partition wall may swing longitudinally, said ridge having a plurality of openings spaced along the same, and the lower edge of said longitudinal partition wall having means for projecting below the bottom and engaging into said bottom openings in said swinging movement, maintaining the ridge in its elevated position and holding the transverse partition walls in a fixed position.

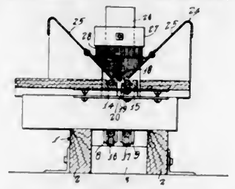
2,103,383

CHERRY SPLITTER

Clyde D. Russell, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York

Application December 3, 1934, Serial No. 755,676

2 Claims. (Cl. 146—73)



1. In a machine for halving cherries, the combination of a hopper with converging side walls disposed apart to form a gap at their lower edges, a conveyer supported independently of said side walls and onto which the cherries descend down said walls, the conveyer including inverted V-shaped belts mounted in spaced relation to provide in conjunction with said converging side walls, a V-trough with downwardly converging faces, spaced apart grooved pulleys over which the belts are trained, means for relatively adjusting the spaced pulleys to vary the transverse dimension of the groove between the belts, a plurality of yielding curtains located within the trough substantially filling the cross section of the trough at its bottom and extending down to a point near the conveyer for engaging and holding back the cherries except a line of cherries within the V trough and supported directly by the belts in single file relation, a rotary splitting blade positioned over the conveyer with its periphery projecting into the trough, the converging side walls of the hopper and the conveyer extending continuously up to the cutter, and

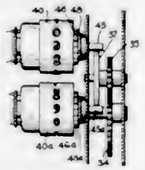
means for driving the rotary splitting blade to split the fruit as the same is conveyed by the conveyer past the rotary blade in single file relation.

2,103,384
NONBLURRABLE MIRROR
Manuel Somohano, Mexico, D. F., Mexico
Application January 21, 1935, Serial No. 2,823
In Mexico February 6, 1934
1 Claim. (Cl. 88—73)



A non-blurrable bath room mirror comprising a housing of relatively little depth with relation to its length and height, one of the large walls of the housing being a transparent plate; in the interior of said housing and adjacent to the wall opposite to the transparent plate, a mirror with its reflecting surface facing inwardly so as to reflect light through the transparent plate of the opposite side; and a row of electric lamps along at least one of the interior sides of the housing, to heat the transparent plate that covers the housing, and to produce the light to be reflected by the mirror.

2,103,385
PACKAGE FABRICATION
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Original application November 22, 1934, Serial No. 754,311. Divided and this application May 4, 1935, Serial No. 19,762
4 Claims. (Cl. 41—21)

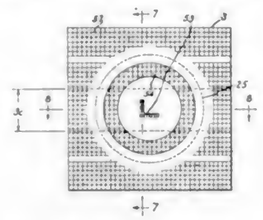


1. The method of providing indicia characters on regenerated cellulose material comprising a base having a fusible coating which comprises, applying heat to a predetermined area of said material corresponding to an indicia configuration to fuse and oxidize said coating to change its refractive index.

4. The method of providing indicia characters on regenerated cellulose material which comprises applying heat and pressure simultaneously on both sides of said material in the same predetermined area corresponding to an indicia configuration, said heat being continued to a degree sufficient to oxidize said cellulose material to alter the refractive index thereof.

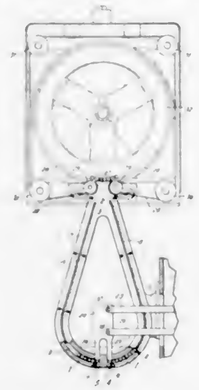
2,103,386
COLOR PACKAGING
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application May 24, 1935, Serial No. 23,330
3 Claims. (Cl. 206—46)

1. A package structure comprising, a commodity-containing envelope composed of two walls of material sealed together in a sealing area, one of said walls being composed of heat sealable packaging material, and an indicia insert interposed between said commodity and said wall of



material and heat sealed thereto in an area within the boundary of said first mentioned sealing area, said insert being held by said wall by said heat seal.

2,103,387
ARTICLE FEEDING CONSTRUCTION
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application October 5, 1935, Serial No. 43,705
8 Claims. (Cl. 226—2)

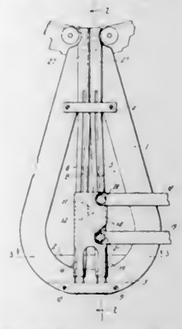


1. Article feeding means comprising, a feeding structure having a plurality of spaced channels each for storing articles in file formation to feed towards each other to a limited position, a chamber arrangement into which said channels feed, and into which said articles move, said chamber arrangement including chutes leading respectively from said channels for accommodating the articles from different channels in definite spatial relationship with respect to each other, and commonly actuated means for releasing said articles in said spaced relationship from said individual chutes, said last mentioned means being operable in the space between said channels.

2,103,388
PACKAGING FEEDING SYSTEM
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application October 5, 1935, Serial No. 43,706
2 Claims. (Cl. 226—2)

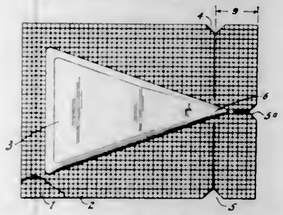
1. Article feeding means comprising, a mounting structure, a plurality of tubes carried by said

mounting structure and having an elliptical cross-section, chamber means carried by said structure and comprising channels to which said tubes open, trap means for normally closing said channels, and plunger means rectilinearly movable through said channels for removing articles from said chamber means through said channels while actuating said trap means, said tubes and said



chamber means being constructed so as to roll articles of ovoid formation into said channels along their minor axes, and said tubes being loosely carried by said mounting structure, and an arrangement included in said plunger means for agitating said tubes by its rectilinear motion so as to effect the alignment of articles within said tube.

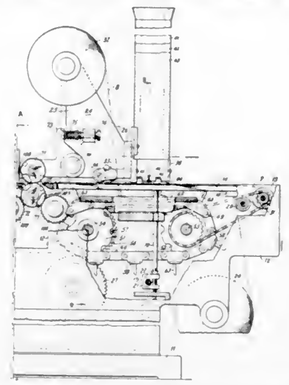
2,103,389
CONTAINER FOR FLUIDS
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers Lee Company. Newark, N. J., a corporation of Delaware
Application August 21, 1936, Serial No. 97,105
10 Claims. (Cl. 221—60)



1. A fluid container comprising, opposed layers of packaging material bonded together to form a fluid containing receptacle having an orifice maintained in closed condition by said layers of material, said layers of material including a flap structure adapted to be torn off to open said orifice for permitting the discharge of the fluid contents of said receptacle.

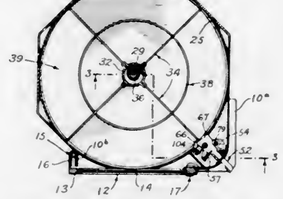
2,103,390
PACKAGING MACHINE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application August 21, 1936, Serial No. 97,106
11 Claims. (Cl. 93—2)

1. Packaging apparatus comprising, package forming equipment, means for feeding packaging material to said package forming equipment in a substantially horizontal plane, commodity storage means disposed above said plane, and means beneath said material and acting therethrough for disengaging articles from said storage means to cause the same to be deposited upon said ma-



terial for feeding to said package forming equipment.

2,103,391
VENDING APPARATUS OR THE LIKE
Gilbert J. Scofield, Loudonville, N. Y.
Application December 8, 1933, Serial No. 701,411
10 Claims. (Cl. 312—94)

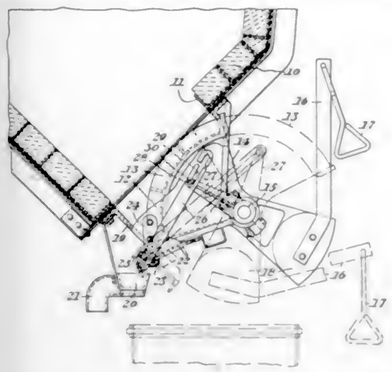


10. An apparatus of the general nature of that herein described, in combination, an enclosure, a plurality of shelves horizontally disposed in said enclosure and fixedly secured thereto, a plurality of partition members disposed between each adjacent pair of shelves, each adjacent pair of partition members forming a compartment, said shelves having registering openings formed therein, and means for moving said partitions over said shelves to sweep articles disposed thereon into said openings.

2,103,392
DEFLECTOR MEANS FOR HOPPER SPOUTS
Edgar A. Thumlert, Marion, Ohio, assignor to The Fairfield Engineering Company, Marion, Ohio, a corporation of Ohio
Application June 23, 1936, Serial No. 86,788
4 Claims. (Cl. 110—165)

1. In combination with an ash hopper spout having a gate pivoted therebelow, said gate blocking the spout when closed, said spout being adapted to discharge granular material by gravity when the gate is open, a shelf pivoted below the bottom of the spout, a crank movable with said gate, a link pivotally connected to the crank and shelf whereby to tilt said shelf in one direction when the gate is opened and in the opposite direction when it is closed, the tilting axis of the shelf being so located that the shelf tends by its own weight to tilt in said first-mentioned direction, and said

shelf being positioned under the spout and closely adjacent thereto so that material discharged



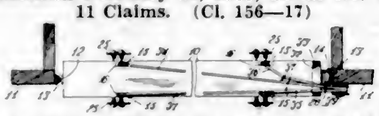
therefrom tends to tilt the shelf in said first-mentioned direction.

2,103,393
GARMENT CUTTER PLOTTING INSTRUMENT
Emma W. Van Ame, Detroit, Mich.
Application May 18, 1936, Serial No. 80,324
1 Claim. (Cl. 33—11)



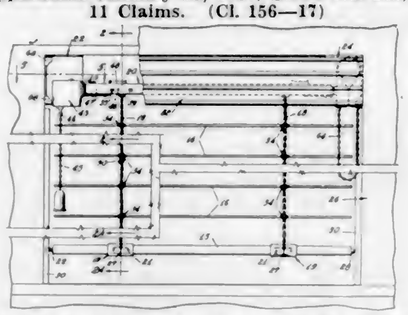
A measuring instrument having constituent branches in substantially right-angular relation to one another, each branch being provided with standard linear scale portions along but spaced from its outer edge, the other edge of each branch being curvedly contoured, and means carried by each of said branches for supporting between its edge and the scale portion carried thereby, beside and in operative propinquity to both the edge and the scale portion, any one of a plurality of detachable supplementary linear scales, said supporting means including attaching elements secured to the curved portion of each branch and bridging the first-mentioned linear scale portions and bearing against the space between the edge and said first-mentioned linear scale portions, thereby rendering either its markings or those upon the adjacent graduated edge of the branch available to one who is using the measuring instrument for the selective plotting of guiding markings on a subjacent surface.

2,103,394
VENETIAN BLIND
William Wade, Chicago, Ill., assignor to National Lock Co., Rockford, Ill., a corporation of Delaware
Application February 21, 1935, Serial No. 7,528
11 Claims. (Cl. 156—17)



1. In a blind of the character described provided with supporting chains, a slat holding clip of resilient sheet metal bent into substantially U-shape and adapted to frictionally slip onto a longitudinal edge of a slat, one side of the U-shape clip being slit toward the base and said partially severed portion bent outwardly to provide an integral hook shaped spring tongue, and a contractible loop member adapted to engage the tongue and to effect holding relation with a link of said supporting chain.

2,103,395
VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,793
11 Claims. (Cl. 156—17)

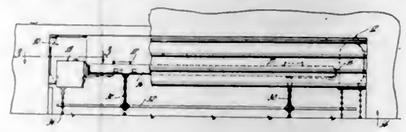


1. Blind supporting means including a main support, a plurality of blind slats suspended by flexible elements from said main support; and a pair of end supports attachable to a window casing, and one of the same having mounting pin means extended therefrom and receivable in an opening in an end of said main support, said main support having an end opposite to said last mentioned end and provided with a pivoted member having pin and slot engagement with the remaining end support of said pair whereby said main support may be readily slipped into and out of mounted position relative to said end supports.

2,103,396
VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,794
12 Claims. (Cl. 156—17)

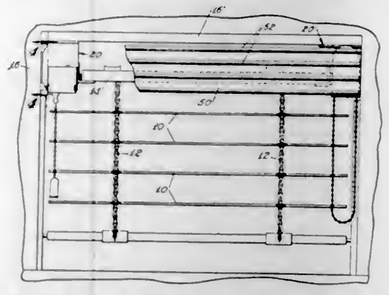
1. In a Venetian blind, a carriage supported axially between opposite end brackets attached to a window casing or the like, one of said brackets having pin means extended in an axial direction toward said carriage and receivable in the axial end of the same, the other said bracket having a member with axially elongated slots

therein, the corresponding end of said carriage having a pivoted member with lug means re-



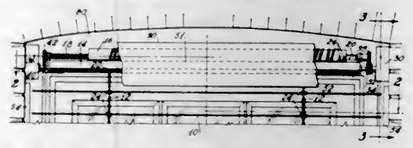
ceivable in said last-mentioned slots, and said carriage being movable axially between said brackets.

2,103,397
BLIND HOUSING STRUCTURE
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,799
6 Claims. (Cl. 156—17)



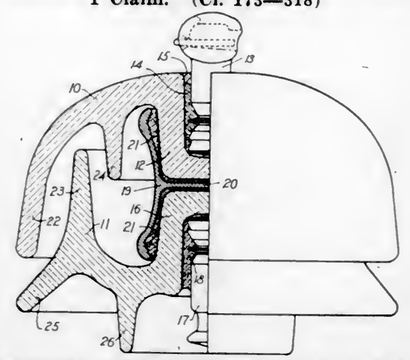
1. A blind housing structure consisting of a pair of brackets having integrally formed extensions for engagement with a valance plate, and an elongated valance plate having formations along its longitudinal edges and adapted to snap into supporting engagement with said bracket extensions whereby said plate may be supported between and by said brackets.

2,103,398
OUTSIDE VENETIAN BLIND
William Wade, Chicago, and Edwin North, Rockford, Ill., assignors to National Lock Company, Rockford, Ill., a corporation of Delaware
Application January 28, 1937, Serial No. 122,801
7 Claims. (Cl. 156—17)



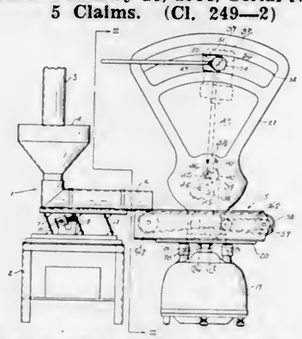
1. Blind supporting and operating mechanism for installation on the outside of a window structure, said mechanism including a carriage, means for pivotally supporting the carriage across the outside of a window structure, a plurality of slats suspended from said carriage by flexible elements and mechanism on said carriage for moving said slats and including a driven member, together with control means drivingly connected with said driven member and extended through the window structure to the inner wall surface adjoining said window, and manually operable means on said control member and operable to drive the same.

2,103,399
INSULATOR
Robert H. Walker, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 24, 1935, Serial No. 17,981
1 Claim. (Cl. 173—318)



An insulator unit comprising a pair of dielectric members each having a boss thereon, a sleeve connecting said bosses to secure said dielectric members together, a radially extending flange on each of said dielectric members, skirts on said flanges directed inwardly toward each other and enclosing the space about said sleeve and forming a labyrinthine passage connecting said space with the surrounding atmosphere, said bosses having outwardly opening recesses therein, said recesses being closed at their inner ends by the material of said bosses, and attachment pins secured in said recesses for connecting said insulator unit to other units in a string, the inwardly directed position of the skirts providing clearance for close coupling of said units in the string so as to secure a minimum string length, while at the same time the skirts enclose the sleeves of the various units in the string producing a string having a minimum exposure of its fittings.

2,103,400
WEIGHING DEVICE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application February 16, 1934, Serial No. 711,498
5 Claims. (Cl. 249—2)



1. In a device of the class described, in combination, weighing mechanism, means for supplying material in a smooth stream to said weighing mechanism, a belt conveyor for conveying such material from said weighing mechanism, a

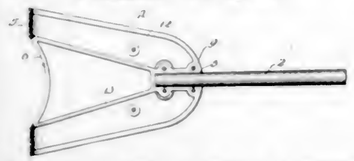
synchronous motor for moving said belt conveyor at a uniform linear footage per minute, and means controlled by said weighing mechanism and controlling said supplying means to maintain the load on said weighing mechanism at substantially constant weight, said belt conveyor and synchronous motor being supported on said weighing mechanism.

2,103,401

ANIMAL POKING IMPLEMENT

Archie S. Bailey, Albert Lea, Minn., assignor of one-half to John P. Donahue, Twin Lakes, Minn.

Application April 15, 1937, Serial No. 137,033
3 Claims. (Cl. 119—1)



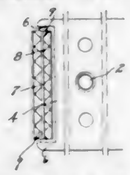
1. An animal poke comprising a guiding end formed of a doubled rubber sheet, a handle centrally secured between the free ends of said sheet, and anchoring and stiffening means for said double sheet in the handle supporting portion, bringing about relative resiliency in the outer doubled edge of said sheet.

2,103,402

SAFETY RAZOR

Pendleton Beckley, Paris, France

Application October 29, 1936, Serial No. 108,206
In France August 26, 1936
2 Claims. (Cl. 30—83)



1. An attachment for a lateral edge of one of the blade-holding members of a safety razor, consisting of a lattice-work cylindrical member rotatably supported in parallel relation to such lateral edge of the holder and to the adjacent cutting edge of the razor blade, adapted to slightly compress the skin surface relatively to the normal protuberance of the individual hairs of the beard therebeyond in advance of the action of the blade thereupon, thereby enabling the severance of the same to be effected at points on each substantially in the plane of the skin surface.

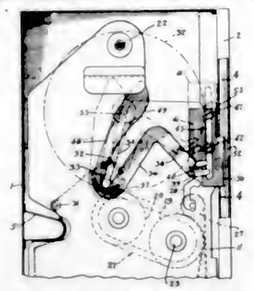
2,103,403

TOWEL DISPENSING APPARATUS

Rudolph G. Birr, Lombard, Ill., assignor to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah

Original application April 8, 1935, Serial No. 15,271. Divided and this application November 1, 1935, Serial No. 47,855
8 Claims. (Cl. 312—38)

5. An apparatus for dispensing toweling material including, a roll, journaling means for the roll capable of motion in a direction perpendicular to the roll axis, said roll and its journaling means being responsive to a change in the amount of toweling material by movement in the direction aforesaid, indicating means, and means



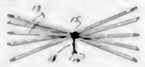
controlled by the journaling means to cause said indicating means to move in response to change in the amount of toweling.

2,103,404

ORNAMENTAL STRUCTURE

Charles C. Bolyard, Los Angeles, Calif., assignor to Paper Supply Company, Los Angeles, Calif., a corporation of California

Application July 20, 1936, Serial No. 91,559
5 Claims. (Cl. 41—10)



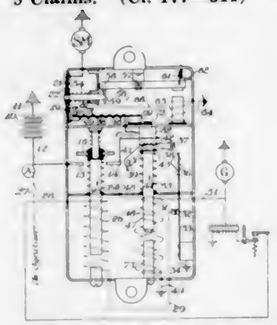
2. A process of making ornamental decorations consisting in disposing a plurality of elongated tubular translucent straws longitudinally side by side providing a bundle, placing an elongated flexible element about the bundle between the ends of the straws, twisting the ends of said element together for forming a loop encircling the bundle, and further twisting the ends of said element for compressing the straws adjacent said loop for causing the ends of said straws to be disposed radially with respect to said loop.

2,103,405

AUTOMATIC STARTING MECHANISM FOR INTERNAL COMBUSTION ENGINES

Frank T. Christian, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York

Application April 29, 1931, Serial No. 533,649
5 Claims. (Cl. 177—311)



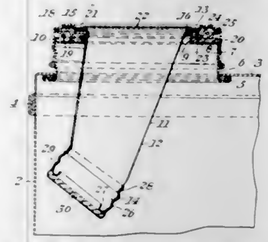
1. Automatic starting mechanism for internal combustion engines including a starting motor and means for automatically energizing said starting motor if the engine stalls and for deenergizing said motor when the engine starts, and auxiliary means for deenergizing said motor and maintaining the same deenergized in case the motor fails to start the engine in a predetermined time, said energizing and deenergizing means comprising elements rendered effective by the operation of said auxiliary deenergizing means to produce a signal to the operator in case of such failure to start.

2,103,406

CONTAINER AND SPOUT CONSTRUCTION

Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware

Application October 1, 1935, Serial No. 43,070
6 Claims. (Cl. 221—24)



1. In combination, a container having a discharge opening and having a gasket connected therewith adjacent the discharge opening and a reversible spout having a flange having reentrant sealing portions adapted to engage the gasket in sealing relationship in either position of the spout.

2,103,407

STEEL HOUSE CONSTRUCTION AND THE LIKE

William T. Dean, Gary, Ind.

Application May 11, 1933, Serial No. 670,444
Renewed May 5, 1937
7 Claims. (Cl. 189—34)



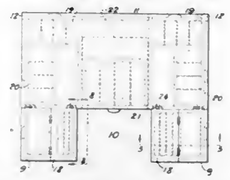
7. In a building construction of the type described, the combination of a plurality of inner and outer sheet metal panels having side edges, the respective inner and outer panels being disposed adjacent each other and the outer panels being spaced from the inner panels, integral return bend portions formed on the side edges of each of the said panels, said return bend portions of adjacent panels being adjacent to each other, and sheet metal studs, each telescopically engaging adjacent and opposed pairs of return bend portions, connecting adjacent and opposed pairs of inner and outer panels, and spacing the inner panels from the outer panels, at least one side of said studs having a lining of insulating material for insulating the inner panels from the outer panels.

2,103,408

CLASSROOM COMMITTEE TABLE

Mildred I. Eddy, Omaha, Nebr.

Application November 12, 1936, Serial No. 110,432
2 Claims. (Cl. 45—6)



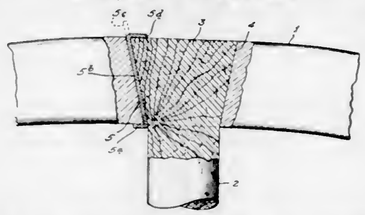
1. A classroom committee table comprising a pair of upright casings rectangular in plan and elevation disposed with their sides relatively parallel and spaced apart to provide a recess therebetween, each casing having a plurality of vertical compartments varying in length opening on its top and said recess, a pair of swingable lids for covering said compartments, a table-member rectangular in plan extending from the ends of the casings, the top surfaces of the table-member and casings being disposed in a single plane, one side of said table member extending along a side of one of said casings, across said recess and along the corresponding side of the other casing, means to secure said side to said casings for support thereof, and legs for supporting the opposite side of said table.

2,103,409

TOOL CONSTRUCTION

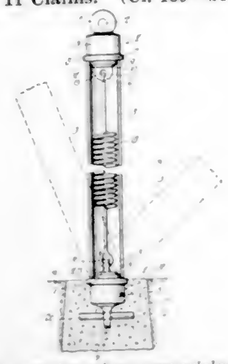
Major R. Ford, Mill Port, N. Y.

Application August 18, 1936, Serial No. 96,561
1 Claim. (Cl. 306—33)



In a tool having a handle with an outwardly flaring, tool-engaging end section and a tool having a complementary socket to receive the flared end of the handle, a tool-retaining element for retaining the tool in position on the handle comprising a single flat piece of sheet metal of relatively narrow and substantially uniform width consisting of a flanged section extending outwardly over the edge of the socket in the tool at the restricted end of the socket and engaging the inner face of the tool, a longitudinal section extending along the wall of the socket and between the wall of the socket and the flared end section of the handle, and a flanged end section extending inwardly over and engaging the outer end of the handle and terminating thereon, whereby the direct wedging contact between the socket and flared end of the tool handle is substantially continuous.

2,103,410
POST CONSTRUCTION
John Frei, Jr., Chicago, Ill.
Application March 20, 1936, Serial No. 69,876
11 Claims. (Cl. 189—23)



1. A post construction comprising a standard, caps closing the ends of said standard and including means restraining movement of said caps inwardly into said standard, studs on said caps cooperating with said standard to restrain lateral movement of said caps with respect thereto, ears on said studs, and means connected between said ears and securing said caps to said standard.

2,103,411
MILK PRODUCTS AND STABILIZER THEREFOR
Alexander Frieden, New Rochelle, and Sanford Joseph Werbin, Woodhaven, N. Y., assignors to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application September 30, 1936, Serial No. 103,354
14 Claims. (Cl. 99—25)

1. A milk product stabilized by the presence of a relatively small quantity of a mixture of colloidal stabilizer and a salt of an earth alkali metal.

2,103,412
FINGER RING
Frederick J. Gaertner, Maplewood, N. J.
Application October 1, 1936, Serial No. 103,477
7 Claims. (Cl. 63—15)



1. A finger ring comprising a hollow setting having a top, and side walls connected together at each end thereof by a transverse strap, and a split ring shank having its ends secured to said straps, respectively.

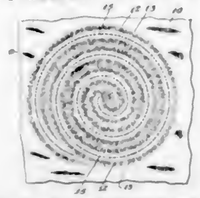
2,103,413
METHOD OF MAKING FINGER RINGS
Frederick J. Gaertner, Maplewood, N. J.
Original application October 1, 1936, Serial No. 103,477. Divided and this application April 1, 1937, Serial No. 134,248
4 Claims. (Cl. 29—160.6)

1. The method of making a setting consisting in making a sheet metal blank, forming an opening in said blank within the edges of the blank, securing a piece of metal to each of opposite edges of said blank in angular relation to the general plane of the blank, bending said blank across said opening to bring the edges of said pieces into abutting relation to each other and opposite said opening and with the portions of the blank be-



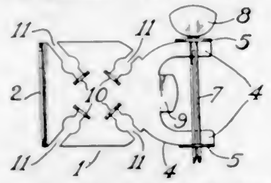
tween said pieces and said opening in spaced relation to each other, and securing together said abutting edges of said pieces, whereby said pieces complementally form a top for the setting and the other portions of the blank form side walls the edges of which along said opening form the bottom of the setting.

2,103,414
METHOD OF MAKING AN APPLIQUÉD ARTICLE
Morris J. Garshman, Brooklyn, N. Y.
Application July 8, 1937, Serial No. 152,525
3 Claims. (Cl. 2—278)



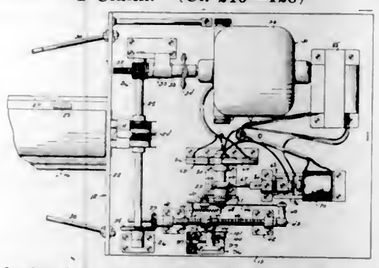
1. A method for producing appliquéd articles, comprising cutting on a bias, strips of material having crossing warp and woof threads, shirring the strips to provide an undulating effect thereto, while attaching the strips side by side to a fabric background substantially along the center line of said strips, and acting on the free edges of the strips to separate the threads at such free edges, thereby to impart a fluffy fringed appearance to the strips against the background.

2,103,415
PASTE DISPENSING DEVICE
Harold Greenwood, Ozone Park, N. Y.
Application March 19, 1937, Serial No. 131,939
2 Claims. (Cl. 221—60)



1. A dispenser for toothpaste, and the like, comprising a metal plate having one end turned up substantially at right angles thereto and provided with perforations for the reception of retaining means, and having at its other end a pair of arms extending outwardly in a substantially horizontal direction, a lip turned up on each of said arms at right angles thereto, aligned perforations in said lips, a slidingly removable spindle disposed in said perforations, said spindle having a forked shank and an enlarged head, and a tongue struck out of said metal plate at a point behind said arms in such a manner as to extend downwardly and forwardly.

2,103,416
RAILROAD CROSSING SIGNAL
Oscar T. Gregory, Mobile, Ala., assignor to The Auto Flagger Corporation, Atlanta, Ga.
Application May 19, 1936, Serial No. 80,641
1 Claim. (Cl. 246—128)



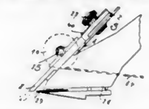
A device for operating a railroad crossing signal comprising a supporting means, a shaft carried by said means for rotation in opposite directions to move a signal into signaling and non-signaling positions, a reversible electric motor carried by the supporting means and connected to said shaft, a feed shaft driven by said first shaft, a sliding shaft carried by said supporting means, spaced collars secured to the sliding shaft, a feed nut meshing with the feed shaft and slidable on the sliding shaft between the collars, a reversing switch carried by the supporting means, a train controlled electric circuit connected to the reversing switch and to the electric motor, a main control switch connected to the circuit and including a hingedly mounted and weighted movable contact and slidable spaced contacts and having the contacts thereof connected in the circuit, a trip mechanism actuated by the movement of the sliding shaft to operate the reversing switch and the movable contacts for the main switch, and an electromagnet connected in the electric circuit for the actuation of the weighted movable contact of the main switch.

2,103,417
PENCIL
Friedrich Wilhelm Haack, Berlin, Germany
Application July 25, 1934, Serial No. 736,944
1 Claim. (Cl. 120—19)



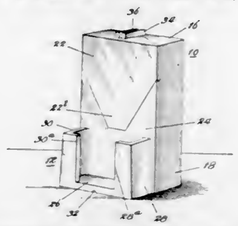
In a mechanical pencil, a tubular casing, a lead holder movable for alternate projection and retraction of the lead carried thereby, said casing being formed to provide an open ended slot extending longitudinally thereof, operating means on the exterior of the casing having a member projecting through said slot and engaging said lead holder to move the same as the operating means is moved, the slotted end of said casing being reduced to form a shoulder, a ring seated on said reduced end, an inwardly extending portion on said ring, said portion fitting in said slot to prevent accidental compression of the same, and a cap fitted on said reduced end and maintaining said ring against said shoulder.

2,103,418
DEVICE FOR REGULATING CUTTING HEIGHT
Karl Hagebeuker, Solingen, Germany
Application January 19, 1934, Serial No. 707,344
1 Claim. (Cl. 30—202)



A device attachable to a hair cutting machine for regulating the cutting height, comprising a ground plate attachable to the cutting head of the machine, a recessed comb plate guided on said ground plate, a rack-like attachment on the ground plate extending through the recess in said comb plate, a shaft disposed above the recess on the comb plate, a pinion arranged on said shaft and engaging said rack-like attachment, a pulley firmly disposed on said shaft, a traction member on said pulley for actuating the device, and a spring arranged on said shaft for returning said comb plate to a position of rest.

2,103,419
DISPLAY BOX
John L. Hawkinson, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application September 5, 1935, Serial No. 39,329
3 Claims. (Cl. 206—44)

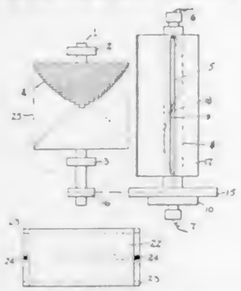


1. A container having base and cover parts, a portion of one wall of said container being carried by the base part, the remaining portion of said wall being carried by said cover part, said portions being formed to cooperate in one position to enclose an article of merchandise and to cooperate in a reversed position to form a device for displaying said article of merchandise, and means on said base part forming a receptacle for said article in both enclosing and display positions, said receptacle having a base wall which forms the bottom wall of the container when in enclosing position, and means forming channels in the top and bottom walls of said container for the reception of a tie cord.

2,103,420
METHOD OF AND APPARATUS FOR PRODUCING TELEVISION PICTURES
Louis W. Kolozsy, Astoria, N. Y., assignor to Television and Electric Corporation of America, New York, N. Y., a corporation of Delaware
Application March 28, 1934, Serial No. 717,841
9 Claims. (Cl. 178—7.6)

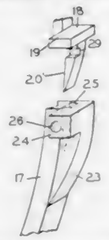
1. In an apparatus for producing television pictures, the combination of a variable light source,

and a plurality of movable reflecting surfaces adapted to project the light rays from said source



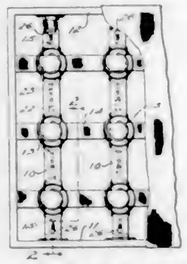
into a series of parallel and coextensive paths, and a transparent cylinder surrounding said reflecting surfaces.

2,103,421
OPHTHALMIC MOUNTING
Joseph W. Aspenleiter, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application March 27, 1936, Serial No. 71,198
2 Claims. (Cl. 88—47)



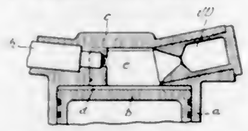
1. An ophthalmic mounting comprising a split lens rim having adjacent ends, a lug carried by each end, cooperating positioning members on said lugs, anchoring means in said members, said members being located so that the anchoring means are in communication, and an integral mass of fusible material molded to and connecting the anchoring means whereby the lugs will be held together.

2,103,422
FURNITURE
Harry E. Aulsbrook, Detroit, Mich.
Application January 24, 1935, Serial No. 3,281
5 Claims. (Cl. 5—263)



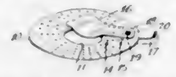
1. The combination with a metal strap extending between the sides of a frame of an element to be upholstered, double conical springs disposed thereon, tie elements positioned on the opposite side of the straps than that having the springs disposed thereon having branches which span the strap and engage the lower turn of each spring, and means integral with each of said tie elements engaging cooperating means of another tie element.

2,103,423
AIR CHAMBER DIESEL ENGINE
Franz Lang, Munich, Germany, assignor, by mesne assignments, to Lanova Corporation, New York, N. Y., a corporation of Delaware
Application May 6, 1935, Serial No. 20,030
In Germany May 17, 1934
3 Claims. (Cl. 123—32)



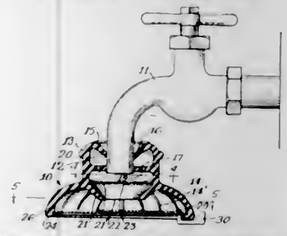
2. In an air storage chamber injection engine, a cylinder and a piston operating therein, a combustion chamber overlying and opening downward into said cylinder, said chamber comprising in plan two approximately circular lobes and a constriction therebetween defining a substantially V-shaped splitting element projecting inward from one side of said constriction, an air storage chamber opening into said combustion chamber at the opposite side of said constriction through a restricted orifice and a funnel-like passage leading thereto and flaring inward of said combustion chamber, said orifice and passage being aligned with said splitting element, and an injection nozzle extending through said splitting element disposed to inject a stream of fuel downward and inward of said combustion chamber and into said passage against the wall thereof at a point adjacent and to one side of said orifice, said passage and said orifice having a common axis inclined with respect to the direction of the injected fuel stream, whereby the fluid stream ejected from said air storage chamber through said orifice and said passage is directed against the vertex of said splitting element at a point below the tip of said nozzle.

2,103,424
FAUCET ATTACHMENT SPRAY PLATE AND PROCESS FOR MAKING THE SAME
Carl E. Lehman, Chicago, Ill.
Application December 18, 1936, Serial No. 116,630
2 Claims. (Cl. 29—157)



2. The process of making a spray plate comprising the step of stamping a blank simultaneously with a central stream opening, a plurality of spray openings, a stop member integrally extending to one side thereof, a handle pivoting aperture, and the further step of inserting a handle member through said handle pivoting aperture and peaning over the end of the handle through an opening in a door valve member to secure the door valve member in movable relation to the spray plate to abut against the stop member in one direction of movement.

2,103,425
FAUCET ATTACHMENT
Carl E. Lehman, Chicago, Ill.
Application December 18, 1936, Serial No. 116,631
6 Claims. (Cl. 210—84)



1. A faucet attachment comprising an all-rubber casing, said casing comprising a cylindrical portion, a flared skirt portion integrally joined to said cylindrical portion at one end thereof, an internal angularly extending apertured flange at the other end of said cylindrical portion, a funnel-shaped internally extending apertured flange integrally joined to said casing internally thereof, the diameter of the aperture in said last-mentioned funnel shaped flange being less than the diameter of said cylindrical portion, and another flange internally extending in said cylindrical portion between said first mentioned angular flange and said second-mentioned funnel-shaped flange, said additional flange extending in a direction normal to the axis of the cylinder and being centrally apertured to extend over the faucet.

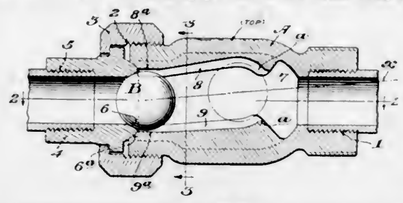
2,103,426
GRILLING AND TOASTING DEVICE
Marcel Le Masson, Paris, France
Application April 26, 1935, Serial No. 18,458
In France April 27, 1934
1 Claim. (Cl. 53—5)



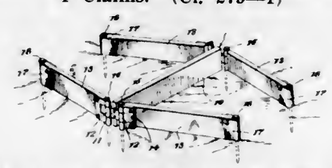
A toasting and grilling device of the character described, comprising a shallow pan of thin sheet metal constituting a screen having supporting legs and having upturned walls formed with guiding flanges on the edges thereof and a grid member rotatably mounted on said pan and slidably insertable into and out of said guiding flanges, said grid member being adjustably mounted and adapted to be located at different distances from said screen.

2,103,427
COMBINED PIPE UNION AND BALL CHECK VALVE
Fred R. Long, Catawissa, Pa.
Application September 18, 1935, Serial No. 41,146
1 Claim. (Cl. 251—121)

A check valve comprising a valve body having a horizontally disposed valve chamber, means providing a valve seat at one end of said chamber, a ball valve within said chamber for cooperation with said valve seat, and opposite pairs of ribs offset from the inner face of the valve chamber to provide runways for said ball, said ribs terminating short of the end of the valve chamber opposite the valve seat in inwardly directed enlargements to limit movement of the ball away from said seat, and the portions of said ribs adjacent to said valve seat being disposed parallel to the axis of said seat so that when the ball is disposed on said latter portions it is freely rollable into and from engagement with the valve seat, and the remaining portions of said ribs being inclined relative to said first mentioned portions so that whenever the ball is disposed on said inclined portions it tends to roll onto said first mentioned portions.



2,103,428
GAME APPARATUS
Cecil C. Lutes, Bellingham, Wash.
Application July 16, 1936, Serial No. 91,014
4 Claims. (Cl. 273—1)



1. As a new article of manufacture, a goal comprising a straight back section, a pair of side sections, hinge means carried by the extreme ends of said back section for hingedly connecting the side sections being adapted to be selectively swung toward and away from each other and normally lying in an operative position to converge toward their outer ends and providing a restricted entrance opening for the goal, independent anchoring means engaging the hinge means at each end of the back section and the inner ends of the side sections for firmly anchoring the back section and the inner ends of the side sections upon the ground, and independent anchoring means engaging the outer end of each side section for holding the ends of the side sections in selected spaced relation.

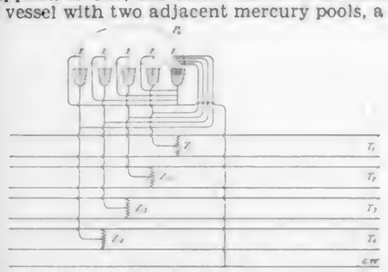
2,103,429
METHOD FOR DEHYDRATING PINE OIL
Robert W. Martin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 18, 1935, Serial No. 2,401
9 Claims. (Cl. 260—167)

1. The method for the dehydration of a terpene alcohol contained in pine oil, which comprises subjecting water and pine oil containing terpene alcohol to a temperature above the normal boiling point of water and under a pressure such that the pine oil and water will remain in liquid phase at the temperature used.

2,103,430
ELECTRICAL PROTECTIVE SYSTEM
Keith L. Maurer, Rockville Centre, N. Y., and Leland K. Swart, Mountain Lakes, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application August 1, 1936, Serial No. 93,910
4 Claims. (Cl. 175—294)

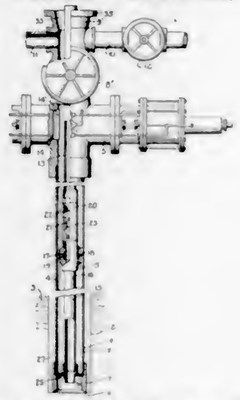
1. In a protective circuit for an electrical system including two substantially parallel conduc-

tors and including means for short-circuiting the two conductors together when excessive voltage is applied to one, the combination of an insulating vessel with two adjacent mercury pools, a low



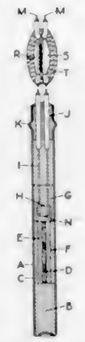
resistance connection from each conductor to one of the pools, an igniter electrode for each pool, and a connection from the igniter electrode of one pool to the conductor connected to the other pool.

2,103,431
MEANS FOR CONTROLLING WELLS
Robert A. Mueller, Houston, Tex.
Application October 26, 1931, Serial No. 571,099
Renewed September 19, 1936
7 Claims. (Cl. 166—15)



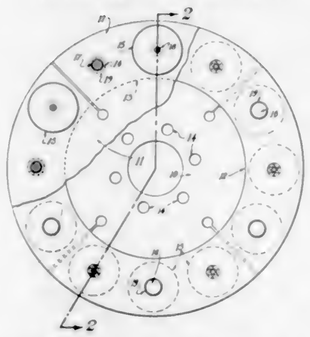
1. In an apparatus for bringing in a well in formation having high pressure with a single string of tubing and without removing said string from the well, a casing having a casing head at the surface of the well, a strainer positioned at the lower end of said casing, a tubing including a lower string and an upper string detachably connected with said lower string, the bottom end of said lower string and the bottom end of said strainer being provided with cooperating means to enable said lower string to seal in engagement with said strainer during outside washing of the well, said upper string of tubing serving to elevate said lower string of tubing from washing position to flowing position, a blowout preventer adjacent the casing head comprising elements movable into engagement with said tubing for control between the outside of said tubing and the inside of said casing during the washing and elevating operations, and movable out of engagement with said tubing to pass tubing collars and the like past said blowout preventer, and means at said casing head to control flow through said tubing when said lower string is elevated to flowing position and said upper string is detached therefrom.

2,103,432
ELECTRICAL FIRING DEVICE
Henry E. Nash, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application August 27, 1935, Serial No. 38,070
7 Claims. (Cl. 102—10)



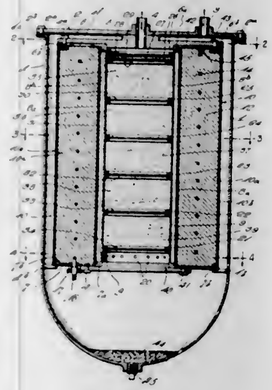
1. An electric delay firing device for firing explosives including a bridgewire, lead wires connected to the bridgewire and adapted for connection into an electric circuit, said lead wires having uninsulated portions along a portion of the length of said lead wires, and a shunt having an electrical resistance in excess of that of the bridgewire and sufficiently low so that on fusing of the bridgewire by an electric current the formation of an arc will be prevented by passage of the current through the shunt.

2,103,433
FRICTION CLUTCH
Noel Banner Newton, Acton, London, England
Application October 16, 1935, Serial No. 45,297
In Great Britain October 24, 1934
15 Claims. (Cl. 192—107)



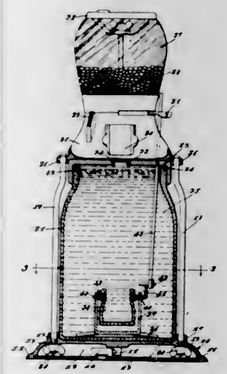
1. An improved clutch plate comprising a pair of plates arranged back-to-back, friction linings secured to the outer faces of said plates, a plurality of non-flat (sprung) spring members adapted to be flattened under pressure arranged between the plates behind said friction surfaces but always separated therefrom by the plates, a rivet securing each spring member to one of the plates, each plate being formed for axial flexibility in the region of the friction surfaces and formed at its centre for rigid connection to a common flange.

2,103,434
OIL FILTER
Robert H. Pennebaker, Baton Rouge, La.
Application September 6, 1935, Serial No. 39,487
15 Claims. (Cl. 210—134)



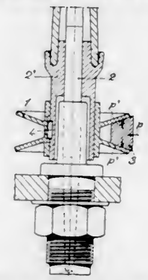
1. A filter unit including a mass of packed asbestos, and an electrical heating winding embedded in said packed asbestos and terminating in electrical terminals at opposite ends of said filter unit.

2,103,435
GAME
Melvin Pool, Oklahoma City, Okla., assignor to A. Newton Burns, Oklahoma City, Okla.
Application October 15, 1936, Serial No. 105,808
3 Claims. (Cl. 273—95)



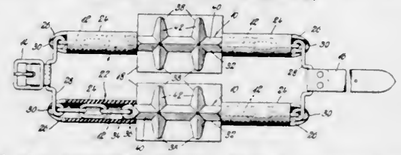
1. A machine for use with a coin controlled vending mechanism comprising a base, a liquid filled container fitting said base, a head covering the container and releasably tied with the base and disposed between the vending mechanism and the container, said head having an opening for the passage of a coin therethrough, and a coin receiving tiltable trap confined within the container beneath the opening in said head for the deposit of a coin admitted to said container from the coin controlled mechanism.

2,103,436
WHARVE FOR SPINDLES FOR SPINNING, TWISTING, WINDING, AND SIMILAR MACHINES
Carlo Schleifer, Novara, Italy
Application June 23, 1936, Serial No. 86,835
In Italy July 4, 1935
4 Claims. (Cl. 118—47)



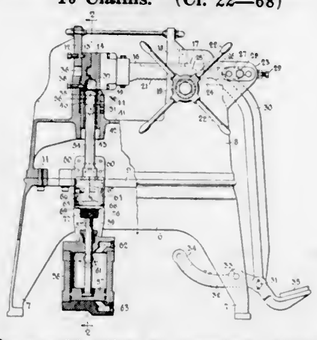
1. In a spinning device, parallel spindles, a wharve on each of said spindles, means mounting the wharves on the spindles to move longitudinally thereof but to revolve therewith, and a flexible belt in contact with said wharves and adapted to drive them.

2,103,437
ANTISKID DEVICE
Max F. Schulz, Northbrook, Ill.
Application November 13, 1935, Serial No. 49,562
3 Claims. (Cl. 152—14)



1. An anti-skid device for attachment to a vehicle tire, comprising a lug unit, means for attaching the lug unit to the tire, and resilient means positioned between the lug unit and the tire and having integral extensions housing said means.

2,103,438
PRESSURE CASTING APPARATUS
Raymond J. Schultz, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a corporation of Wisconsin
Application April 1, 1936, Serial No. 72,161
10 Claims. (Cl. 22—68)



4. The combination in pressure casting apparatus of a bottom-gated, separable die compris-

ing a plurality of die parts adapted for substantially horizontal, relative movement between die open and die closed positions, the closed die having a casting cavity and a split pressure chamber formed by the die parts, said pressure chamber communicating with the die cavity and opening onto the bottom of the die; a tubular, upright well positioned beneath the closed die with its upper open end in alinement with the pressure chamber in the die but slightly spaced from the bottom of the die to permit freely said relative movement of the die parts; and a plunger in the well adapted for movement therethrough and into the pressure chamber to transfer metal from the well into said chamber and thence into the die cavity, said pressure chamber permitting free passage of the metal whereby leakage of metal between the closed die and the well is prevented.

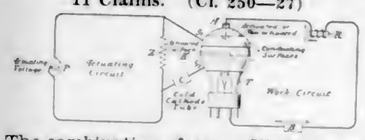
2,103,439

GAS-FILLED TUBE

Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application April 9, 1935, Serial No. 15,482

11 Claims. (Cl. 250—27)



1. The combination of a gas-filled tube enclosing two solid unheated substantially equal metallic electrodes spaced from each other, an electrode mounted external of the envelope of the tube, and means including a second electrode mounted external to the envelope of the tube for applying a potential between the first-mentioned external electrode and the second-mentioned external electrode so as to produce gaseous ionization between the internal electrodes of the tube, the circuit of the internal electrodes being uncontrolled by the external electrodes after gaseous ionization has been initiated.

2,103,440

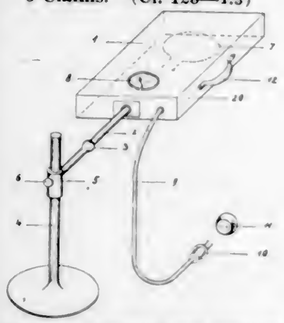
ELECTROTHERAPEUTIC APPARATUS

Eugen Weissenberg, Vienna, Austria

Application April 4, 1934, Serial No. 719,009

In Austria July 15, 1932

5 Claims. (Cl. 128—1.3)



1. A short-wave electro-therapeutic apparatus comprising a closed casing, a low power oscillator wholly enclosed in said casing and including a primary oscillatory circuit forming a treatment electrode, said casing consisting, at least at the point adjacent said oscillatory circuit, of a material of high electromagnetic wave permeability, said casing with the oscillator therein being easily transportable and applicable to the part of the patients body to be treated.

2,103,441

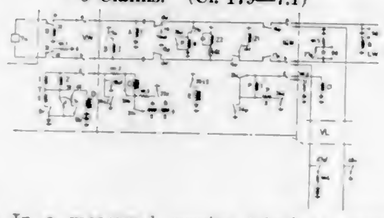
MEASURED SERVICE TELEPHONE SYSTEM

Kurt Wollack, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Wernerwerk Siemensstadt, near Berlin, Germany

Application September 26, 1935, Serial No. 42,239

In Germany October 2, 1934

9 Claims. (Cl. 179—7.1)



4. In a measured service telephone system, means including automatic switches for setting up connections from a calling line to called lines, a meter for the calling line, a meter control relay, a glow lamp, means for operating said relay in series with said glow lamp to charge for one connection, and means for operating said relay over a circuit excluding said lamp to charge for another connection.

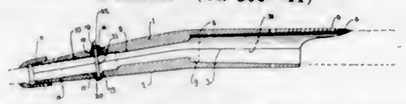
2,103,442

HANDLE AND SHANK THEREFOR

Joseph A. Bartosz, Salem, Oreg., assignor of one-half to A. C. Burk, Salem, Oreg.

Application February 25, 1935, Serial No. 8,077

1 Claim. (Cl. 306—41)



In a device of the class described, the combination of a pair of complementary shank forming members, so made that when they are secured together a handle receiving socket is disposed at one end and a tapering tang receiving socket is disposed at the opposite end into which the tang of a pitch fork may be inserted, a ferrule removably secured to the small end of the shank forming members for locking the shank forming members together, the longitudinal center line of the shank at the handle receiving end lying in a different plane than that of the longitudinal center line of the oppositely disposed end of the handle receiving end, said shank members having tapered slots therethrough adjacent the fork and in alignment with each other, tapered washers disposed in the tapered slots and a bolt disposed through the tapered washers and the tang of the fork to secure the same together.

2,103,443

METHOD FOR THE SOFTENING OF DOUGH

Arnold K. Balls and Walter S. Hale, Washington, D. C., dedicated to the free use of the People of the United States

No Drawing. Application September 26, 1935, Serial No. 42,248

2 Claims. (Cl. 99—90)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method for the softening of dough which comprises incorporating with any of the ingredients used for the preparation of dough glutathione.

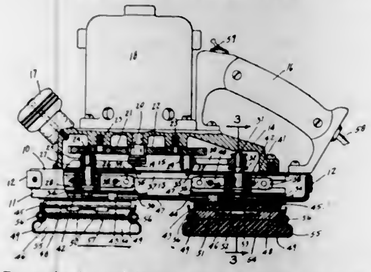
2,103,444

ABRADING, POLISHING, AND BUFFING DEVICE

William H. Bauch, Shelbyville, Ind.

Application June 23, 1937, Serial No. 149,881

6 Claims. (Cl. 51—170)



1. In a device of the class described, a box-like frame structure having openings in its upper and lower faces, a reciprocable member therein having parts projecting through said openings, power means connected to an upper projecting part for reciprocating said member, a working element secured to at least one lower projecting part and reciprocable thereby, and rollable anti-friction bearing members interposed between said reciprocating member and the upper wall of said frame structure.

2,103,445

REFINING OF ROSIN ESTERS

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 2, 1931, Serial No. 572,731

Renewed September 22, 1934

15 Claims. (Cl. 260—99.40)

1. The method of refining a rosin ester by the removal of color bodies therefrom which includes treating a solution of the ester with a substance capable of effecting separation of color bodies of the ester from the solution selected from the group consisting of furfural and furfuryl alcohol, and separating refined rosin ester from separated color bodies.

2,103,446

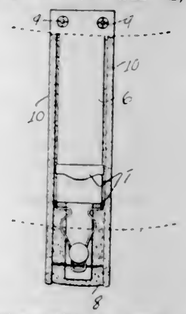
CUSHIONED STOCKING SUPPORTER GUARD

Eugene G. Boyle, San Francisco, Calif.

Application July 22, 1935, Serial No. 32,617

Renewed May 19, 1937

6 Claims. (Cl. 241—1)



1. In combination with a girdle or the like, having a hose supporter attached thereto, of cushioning means having elongated marginal ridges interposed between the supporter and the leg of the wearer of said girdle adapted to prevent contact of said hose supporter with the flesh of the wearer.

2,103,447

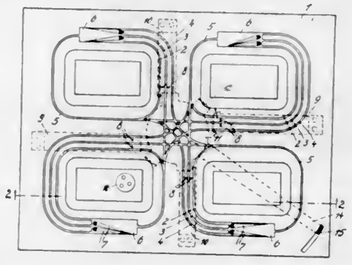
TOY

Ludwig Carl, Nuremberg, Germany, assignor to Ernst Horn, Nuremberg, Germany

Application March 11, 1937, Serial No. 130,405

In Germany November 28, 1936

14 Claims. (Cl. 46—210)



1. A toy comprising a base-plate having marked thereon the simulation of a pair of crossing streets, representations of city blocks having buildings, lawns or the like outlining said streets, guide-grooves and stopping-devices in said streets, said stopping devices being adapted to stop a toy-vehicle travelling on one of said streets at the crossing thereof, said guide-grooves partly crossing each other and partly merging one into the other to permit a variety of modes of travel of a toy-vehicle.

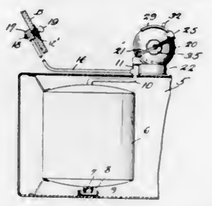
2,103,448

GASOLINE TANK FOR MOTOR VEHICLES

Charles Oliver Castledine, Windom, Minn.

Application January 29, 1937, Serial No. 123,043

7 Claims. (Cl. 158—46.5)



1. The combination with a main gasoline tank, a reserve tank therein having an air vent, a check valve for the vent, and a liquid trap at the bottom of the reserve tank and opening into both tanks, of means for directing gasoline into the two tanks and for sealing the tanks, said means including a spherical casing having alined outer and inner openings, a spherical member fitted snugly in the casing and having a diametrical opening therein, said member being rotatable to move its opening into or out of register with the openings in the casing and having means to open the vent when the member is in open position, and means for locking the rotatable member against movement when in closed position.

2,103,449

PROCESS OF PRODUCING BRANDY

Chambers L. Crutchfield, Wailuku, and John P. Foster, Paia, Territory of Hawaii, assignors to Maui Pineapple Company, Ltd., Paia, Territory of Hawaii, a corporation of Territory of Hawaii

No Drawing. Application March 25, 1936, Serial No. 70,886
5 Claims. (Cl. 99—37)

3. In the process of preparing distilled products from pineapple juice, the steps which comprise heating the juice at a temperature of about 140° F. to 212° F. until the albumins therein are coagulated, fermenting the juice at a temperature of about 85° F., distilling the fermented juice, and condensing a distillate at a temperature of about minus 16° F. to plus 4° F.

2,103,450

TUBE TESTING DEVICE

Walton De Verter, Chicago, Ill., assignor of one-third to Samuel L. Brenner, Chicago, Ill.

Application October 5, 1936, Serial No. 103,974
12 Claims. (Cl. 250—27)



1. The method of testing a radio tube comprising using said tube as a rectifier to cause a normally constant load on an electrically associated high frequency oscillator whereby any fluctuations in the load caused by internal defects in the tube will modulate the oscillator current, and transmitting said modulated current to an indicator.

2,103,451

FISH BOBBER

James Durham, Warsaw, Ind.

Application February 1, 1936, Serial No. 61,923
1 Claim. (Cl. 43—49)



Means for attaching a fishing line to the stem of a bob comprising a one piece sheet metal element having a portion thereof of substantially cylindrical form and having stem gripping fingers in spaced relation on the length of the cylinder and arms extending outwardly from said portion, said arms having their free ends inturned towards the substantially cylindrical portion and converging into contact with each other whereby a line will be held between the arms, said fingers being adapted to be pressed into the material of the stem to cause a part of the stem between the fingers to constitute a stop to prevent longitudinal movement of the element on the stem and maintain the element in fixed relation on the stem.

2,103,452

TREATMENT OF TEXTILE MATERIALS

George Holland Ellis and Ernest William Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 6, 1933, Serial No. 692,432. In Great Britain October 19, 1932
2 Claims. (Cl. 28—1)

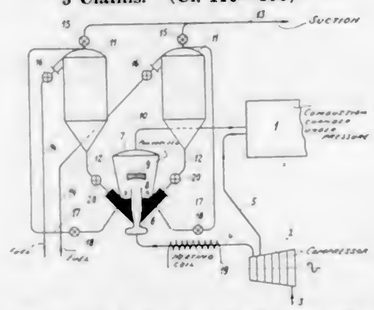
1. Process for the treatment of cellulose acetate textile materials exhibiting glaze marks, which comprises subjecting said materials to the action of a hot aqueous bath comprising paratoluene sulphonamide and terminating the treatment when the glaze marks are substantially removed and before the remaining parts of the fabric are materially delustred.

2,103,453

METHOD OF BURNING PULVERIZED FUEL

Benjamin Graemiger, Zollikon, Switzerland, assignor to Hephaest A.-G. für motorische Krafterzeugung, Zurich, Switzerland, a corporation of Switzerland

Application June 22, 1934, Serial No. 731,822
In Switzerland June 28, 1933
5 Claims. (Cl. 110—106)



1. The method which includes compressing a gas, delivering a part of said gas to a combustion zone, maintaining in said combustion zone a pressure substantially above that of the atmosphere, further compressing the remainder of said gas to a higher pressure, expanding said last mentioned gas to form a jet at a pressure above that of said combustion zone, delivering a fuel to said jet, pulverizing said fuel by impingement, and conducting said expanded gas from said jet and the pulverized fuel to said combustion zone.

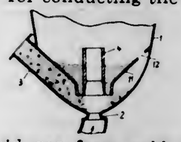
2,103,454

IMPACT-CRUSHER FOR COMMINUTING HARD MATERIALS

Benjamin Graemiger, Zollikon, and Werner Ludin, Winterthur, Switzerland, assignors to Hephaest A.-G. für motorische Krafterzeugung, Zurich, Switzerland, a corporation of Switzerland

Application September 13, 1934, Serial No. 743,880
In Germany September 18, 1933
9 Claims. (Cl. 83—46)

1. A comminuting device comprising a casing adapted to receive a bed of raw material to be comminuted, a feed inlet for said raw material, a nozzle for forcing a stream of gas at high velocity into said casing and in contact with said raw material to entrain the particles of said material, means in said casing for separating the finer from the coarser and heavier entrained particles, an outlet for conducting the finer material



entrained in said gas from said casing, and a passage extending from a section slightly above the bed of raw material to a section adjacent to the outlet of said nozzle for conducting at least a portion of said separated coarser particles separate from said raw material and to a point adjacent to the outlet of said nozzle.

2,103,455

ABRASIVE MITT

Herman Greenwald, Brooklyn, N. Y., assignor to Herman Greenwald and Emanuel Koenig, New York, N. Y., doing business as Hygrade Novelty Co.

Application June 19, 1936, Serial No. 86,097
5 Claims. (Cl. 15—227)



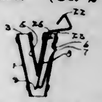
2. An abrasive mitt of the class described, comprising a back section and a front section, a thumb opening in a side edge thereof and a wrist portion at the lower end and a finger portion at the upper end, said front and back sections being bound together at their marginal edges, a wrist opening at said wrist portion, a pocket on said mitt across the front section and attached to said marginal edges, said pocket being open at the said finger portion and its opposite end, whereby a flexible abrasive strip may be placed within said pocket and partly drawn through the opening at the finger portion and over the upper part of the back section, and attaching means at the finger end of the back section for holding said abrasive strip in place.

2,103,456

NECKTIE

Harvey C. Hall, Toronto, Ontario, Canada

Application December 28, 1936, Serial No. 117,766
In Canada February 10, 1936
7 Claims. (Cl. 2—150)



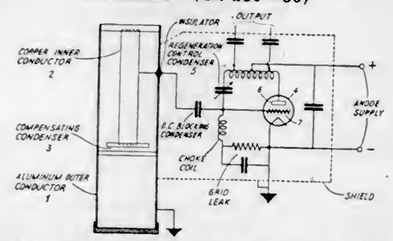
1. A necktie having a hollow member enclosed within the "knot", being open at the top, a neckband having one end extending through and sliding in the hollow member in the knot, and a member secured to the other end of the neckband for insertion into said hollow member adapted to be engaged thereby to be locked therein and having a portion to engage and hold the slidable end of the neckband.

2,103,457

FREQUENCY CONTROL LINE AND CIRCUIT

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 21, 1935, Serial No. 27,679
8 Claims. (Cl. 250—36)



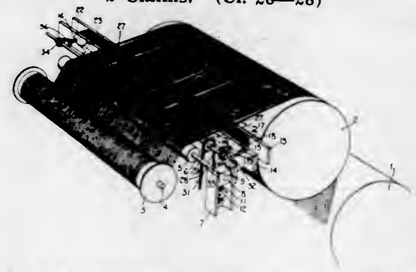
1. A tuned circuit comprising inner and outer conductors connected together at one of their adjacent ends and having different temperature coefficients of linear expansion, a condenser within said outer conductor comprising a plate attached to said outer conductor and a plate attached to said inner conductor, said plates being spaced apart and movable relative to each other, whereby changes in the resonant frequency of said tuned circuit, due to a change in temperature and lengths of said conductors, are substantially compensated for by a variation in capacity of said condenser.

2,103,458

WARPING ARTIFICIAL YARNS

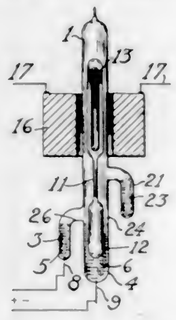
Clifford Hargreaves and Roland Booth, Drummondville, Quebec, Canada, assignors to Celanese Corporation of America, a corporation of Delaware

Application December 13, 1935, Serial No. 54,168
2 Claims. (Cl. 28—28)



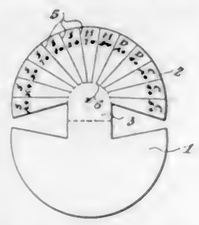
1. In a slashing device, the combination with means for drying a sheet of warp threads and a take-up warp beam, of means positioned between the drying means and the take-up warp beam for disassociating any adherent threads in the sheet of warp threads, said disassociating means comprising a plurality of oppositely moving bands adapted to travel transversely of the sheet of warp threads and members on the bands adapted to contact with the sheet of warp threads for separating any adherent threads therein.

2,103,459
MERCOID SWITCH
John McArthur Harris, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 14, 1935, Serial No. 40,575
1 Claim. (Cl. 200—112)



An electric switch of the liquid flow type comprising a sealed tubular envelope having depending wells communicating with each other through the envelope, a column of mercury in each well, an electrode in each well in contact with the mercury, a plunger comprising a magnetic member enclosed in non-porous material and mounted for longitudinal movement in the mercury of one of the wells, a solenoid for effecting movement of the plunger whereby in one position the plunger is lowered displacing a portion of the mercury in the last-mentioned well to cause overflow of the mercury into the other well and establish an electric circuit through the columns of mercury between the electrodes, and a reservoir containing mercury communicating with the envelope whereby the quantity of mercury in the wells can be varied to either cause the plunger to close the circuit by moving it into the well or by withdrawing it from the well.

2,103,460
DEVICE FOR PLAYING CARDS
Richard C. Hart, Brighton, N. Y.
Application September 21, 1936, Serial No. 101,736
2 Claims. (Cl. 273—148)

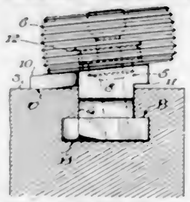


2. A device for playing cards comprising a circular base, a series of slips attached at one end radially to said base and being separated from the adjacent slips by radial slits, each of said slips bearing characters representing the value of a playing card, and all of the slips on one device bearing characters representing the values of the playing cards for one hand in a particular game.

2,103,461
VULCANIZATION OF RUBBER OR OTHER MATERIALS
Alfred Louis Hock, Alfred Kirkham, and Howard Spence, Manchester, England, assignors to Peter Spence & Sons, Limited, Manchester, England.
No Drawing. Application January 6, 1934, Serial No. 705,564. In Great Britain January 12, 1933
6 Claims. (Cl. 106—23)

1. The step in the process in the manufacture of vulcanized rubber which comprises introducing in to the composition finely divided silica intimately associated with a small portion of an alkali taken from the group consisting of soda and potash, the combined silica and alkali being of an adsorptive capacity of less than 25% as measured by the amount of diphenyl guanidine absorbed by one gram of the siliceous product from 50 cc. of a 0.2% solution of diphenyl guanidine in benzene at 50° C.

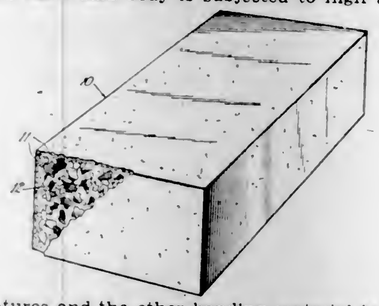
2,103,462
CHASER SUPPORTING BLOCK
William James Hogg, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application July 24, 1936, Serial No. 92,355
14 Claims. (Cl. 10—103)



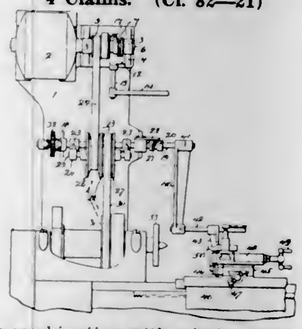
1. A radially shiftable chaser carrying block for the reception of a circular chaser on the front face thereof and having a plurality of lateral projections at opposite sides of the block forming a pair of oppositely located radial guide-ways rearwardly of the front thereof, one of the projections at the front of the block extending beyond the other projections to form a wing extension engaging the chaser to its outer periphery and also the front face of the die body to give increased support to the circular chaser and increased bearing on the front face of the die body, said bearing being substantially greater transversely of the direction of its extension.

2,103,463
HIGH TEMPERATURE INSULATING COMPOSITION
Otis L. Jones, Joliet, Ill., assignor, by direct and mesne assignments, of one-half to The Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill., a corporation of Illinois
Continuation of application Serial No. 694,061, October 18, 1933. This application April 9, 1934, Serial No. 719,728
6 Claims. (Cl. 106—10)

1. A high temperature insulating material of the character described comprising in combination a substantially thick body of efficient insulating material comprising granules of exfoliated vermiculite bonded together by a heat destructible liquid binder, said binder migrating to the surface of the body on drying to form a relatively thin reinforcing shell for the body, and a ceramic bonding material mixed with the granules of vermiculite and adapted to develop a ceramic bond when said body is subjected to high temperatures and the other bonding material is destroyed.



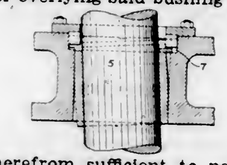
2,103,464
DRIVE FOR LATHES AND OTHER MACHINES
Oscar I. Judelshon, Park Ridge, N. J.
Application August 24, 1935, Serial No. 37,713
4 Claims. (Cl. 82—21)



1. The combination with a lathe having a shaft and a movable slide rest, a driving member operated from a source of power, a driven member on the shaft of the lathe, a plurality of expansible pulleys, an endless belt travelling around the driving member and one of said pulleys, an endless belt travelling around the other of said expansible pulleys and around the driven member, an oscillating shaft adapted to shift the positions of said expansible pulleys and to thereby effect the expansion and contraction of said pulleys, a lever arm on said oscillating shaft, a rod connected with said lever arm, and a lever arm connected with said rod and with said slide rest whereby the movement of the slide rest will effect the operation of said oscillating shaft for the purpose of automatically varying the speed ratio between the driving and driven members according to the movements of the slide rest.

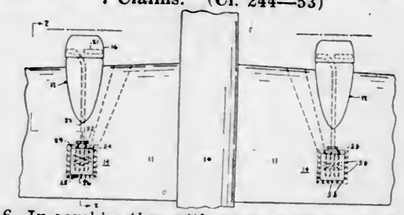
2,103,465
BEARING
Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application August 3, 1934, Serial No. 738,205
1 Claim. (Cl. 308—72)

The combination comprising a shaft; a body having a cylindrical bore encircling said shaft; a bearing bushing in which the shaft is slidably and rotatably mounted and which serves also as a bearing for the bore of said body; the surface of the bushing adjacent said bore being generated by a curved element of relatively small but varying curvature; a lip member having a localized portion of increased thickness integral with the upper end of said bushing; a shoulder formed by a larger bored portion in said body and underlying said lip member in supporting relation; a cap member overlying said bushing and spaced a



distance therefrom sufficient to permit rocking movement of the lip member in response to deflection of the corresponding end of the shaft without permitting axial displacement of the said bushing; and means for preventing rotation of said bushing with respect to the encircling body.

2,103,466
AIRCRAFT CONSTRUCTION
Herman G. Klemm, Baltimore, and Berthoud C. Boulton, Towson, Md., assignors to The Glenn L. Martin Company, Baltimore, Md.
Application December 29, 1936, Serial No. 118,072
7 Claims. (Cl. 244—53)



6. In combination with an aircraft, a receptacle having a perforate side and imperforate other sides, said perforate side being composed of a surface portion of said aircraft, a muffler in said receptacle, a compartment sealed, spaced from, and partially enclosing said receptacle, said compartment having a perforate wall and imperforate other walls, said perforate wall of said compartment forming a part of the surface of said aircraft which lies between said perforate side of said receptacle and the adjacent surfaces of said aircraft, and means to circulate a cooling medium through said chamber.

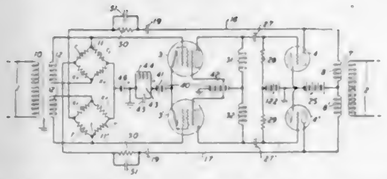
2,103,467
GAME APPARATUS
Robert H. Konikoff, Astoria, N. Y., assignor to Schranz & Bieber Co. Inc., New York, N. Y., a corporation of New Jersey
Application July 8, 1937, Serial No. 152,576
9 Claims. (Cl. 273—1)



1. Apparatus for playing a game in which play-

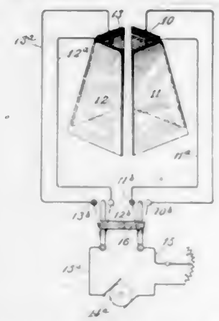
ing elements are piled one upon another until the pile upsets, comprising a rack to provide support for the pile, and a tee to support said rack, the rack and tee having under and upper surfaces respectively formed with reference to each other to provide an unstable, teetering support for the rack on the tee and permit the rack to upset when the pile is built up off balance.

2,103,468
WAVE TRANSLATING SYSTEM
John G. Kreer, Jr., Bloomfield, N. J., assignor to Bell Telephone Laboratories Incorporated, New York, N. Y., a corporation of New York
Application April 1, 1936, Serial No. 71,997
9 Claims. (Cl. 179—171)



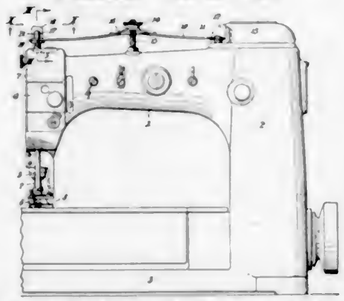
1. An amplifier with a feedback loop comprising a push-pull stage having a mid-branch circuit and connections that introduce a phase reversal in transmission around the loop when the transmission is in the push-pull mode through the push-pull stage but not when the transmission is in the parallel mode through the push-pull stage, and means comprising a feedback impedance in said mid-branch circuit producing negative feedback around a portion of the amplifier stages in said loop for transmission whose passage through said push-pull stage is in the parallel mode but not for transmission whose passage through said push-pull stage is in the push-pull mode.

2,103,469
APPARATUS FOR BAKING DOUGH PRODUCTS AND THE LIKE
John Kremer, Southport, Conn.
Application December 7, 1935, Serial No. 53,409
18 Claims. (Cl. 219—19)



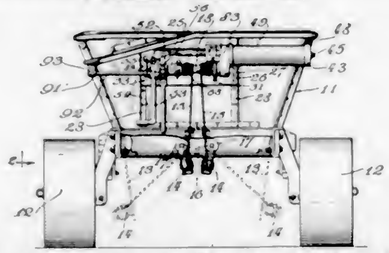
1. An apparatus of the character described comprising a receptacle adapted to receive a dough mass, a plurality of sets of oppositely disposed electric contact elements interposed between said dough mass and the walls of said receptacle, a source of current supply, and means for successively supplying current severally to said sets of contact elements.

2,103,470
PRESSER MECHANISM FOR SEWING MACHINES
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application January 30, 1936, Serial No. 61,469
2 Claims. (Cl. 112—235)



1. Presser mechanism for sewing machines and the like including a presser bar with a rounded end; a guide confining the bar to axial movement; a stirrup-like member engaged over and supported, with capacity for universal pivotal movement, on the rounded end of the presser bar; and a leaf spring exerting endwise pressure upon the bar, said spring having its end bifurcated to straddle the stirrup member and bear upon a flange around the bottom of the latter.

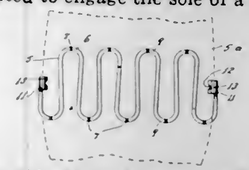
2,103,471
SPRING WIND-UP FOR WAGONS
Joseph Kuchar, Chicago, Ill., assignor to Athey Truss Wheel Co., Chicago, Ill., a corporation of Illinois
Application February 15, 1933, Serial No. 656,819
7 Claims. (Cl. 298—35)



1. A spring windup for wagons adapted to operate wagon doors, comprising a drum adapted to receive flexible members, bearings for said drum, a pinion on said drum, a gear in mesh with said pinion, a bearing for said gear, a base on which said bearings are mounted, said base being mounted on the wagon wall, a helical spring, one end of which is secured to said gear, an end member operatively secured to said spring, means rigidly securing said end member to said wall, and releasable means adapted to hold said drum against rotation in both directions.

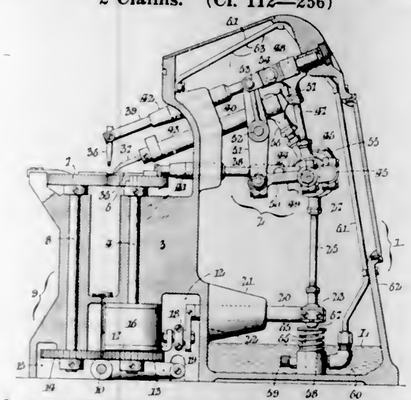
2,103,472
SHOE CLEAT
John Lascari, Unionville, Conn.
Application July 2, 1937, Serial No. 151,686
10 Claims. (Cl. 36—62)

1. A cleat of the character described comprising a sinuously formed intermediate portion having at the top surface thereof, a series of sharp teeth adapted to engage the sole of a shoe and at



the bottom side thereof, a series of wide teeth for engaging a surface and means for securing said cleat to said shoe.

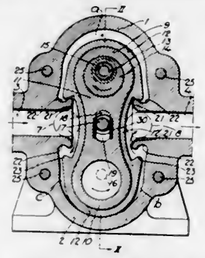
2,103,473
LUBRICATING SYSTEM FOR SEWING MACHINES
Harold J. Le Vesconte, Western Springs, and Albert M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill. a corporation of Illinois
Application November 16, 1935, Serial No. 50,088
2 Claims. (Cl. 112—256)



1. A lubricating system for a cup feed sewing machine having an upright housing, a pair of feed cups supported at an elevation, a needle and a looper above the feed cups respectively operated by members protruding through oil tight bearings in the front wall of the housing for actuation by mechanism completely enclosed within said housing, means for driving the feed cups from below, and a connection for the drive means also extending through an oil tight bearing in the front wall of the housing for actuation by the actuating mechanism, said system including an oil sump in the base of the housing below the level of the feed cup driving connection aforesaid, and reciprocatory pump means motivated solely by contact with the feed cup driving connection within the housing to elevate oil from the sump for spray distribution upon the parts of the actuating mechanism as well as upon those portions of the needle and looper operating members and the feed cup driving connection within the housing.

2,103,474
REVERSIBLE PLANETARY PISTON PUMP
Gustav Rudolf Lindberg, Overum, Sweden
Application December 19, 1936, Serial No. 116,669
In Denmark February 11, 1936
7 Claims. (Cl. 103—131)

1. In a reversible planetary piston pump, a casing comprising two cylinders arranged side by side and having openings in their adjacent sides communicating with one another, inlet and outlet openings communicating with said cylinder openings at opposite sides, an impeller in said casing, said impeller comprising two rotary pistons, arranged one in each cylinder, and a rigid connecting member between said pistons constituting a partition between the inlet and outlet openings, a single eccentric drive operatively engaging the piston of one of the cylinders and imparting a rotary oscillation to said piston, and guiding means for said connecting member for



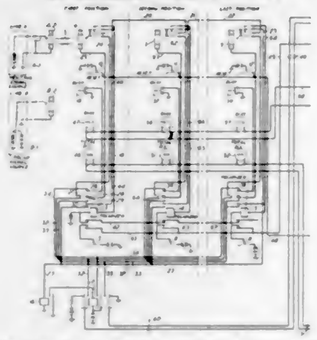
causing the piston in the other cylinder to move synchronously with the piston in the first cylinder, said guiding means consisting of a shaft extending through a slot of the connecting member and being movably mounted in slots of the walls of the pump casing, the slot of the connecting member and the slots in the walls of the pump casing having a larger extension in the plane through the piston axes then said movable shaft, the latter receiving simultaneously a rolling motion relatively to its own axis and a longitudinal movement relatively to the slots in the walls of the pump casing.

2,103,475
APPARATUS FOR TAKING FLUID SAMPLES
Ben E. Lindsly, Washington, D. C.
Application May 28, 1935, Serial No. 23,903
11 Claims. (Cl. 166—19)



1. Apparatus for taking samples of fluid from a well including a collection chamber having inlet and outlet ports, a trap valve for preventing back flow from said chamber through the port, a stop valve controlling outlet of fluid from the chamber through the outlet port, means for closing the stop valve, and means for retarding closing movement of the stop valve.

2,103,476
TELEGRAPH TEST BOARD CIRCUIT
Charles W. Lucek, Forest Hills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1936, Serial No. 83,830
10 Claims. (Cl. 178—69)



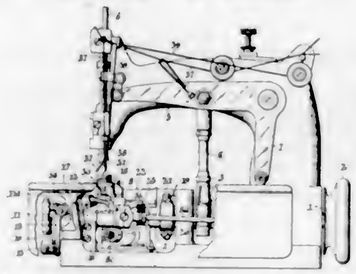
1. In an exchange for switching connections between electrical circuits, a switchboard comprising a plurality of sections, a plurality of transmission circuits terminating at a plurality of sections of said switchboard, a test circuit common to a plurality of sections of said switchboard, manually operated means at each of said sections, a chain circuit comprising two chain paths normally open and controlled by any one of said manually operated means, a relay responsive to the operation of each of said manually operated means, a second relay responsive to the operation of any one of said manually operated means, a link circuit at each of said sections for interconnecting any one of said transmission circuits and any one of said manually operated means whereby said chain circuit operates to include certain sections of said chain path, a third relay responsive to the operation of the second mentioned relay to connect said one of said transmission circuits to said test circuit.

2,103,477
ANCHOR FOR SHIPS OR THE LIKE
David Frederick Lucking, Felixstowe, England
Application January 4, 1935, Serial No. 448
In Great Britain January 5, 1934
2 Claims. (Cl. 114—207)



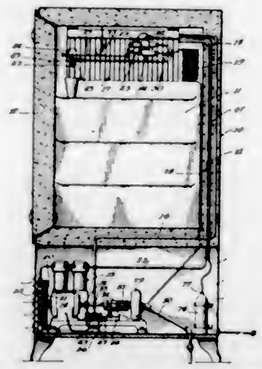
1. An anchor comprising a shank, a main fluke rigidly projecting therefrom, two auxiliary and mutually similar flukes carried rigidly by the shank and projecting at right angles to the main fluke, the main fluke being dissimilar from said other flukes, said flukes having palms and said main fluke having its palm inclined to the axis of the shank acutely, said auxiliary flukes having their palms both inclined away from said axis and on opposite sides from the palm of the main fluke, and means carried by the shank for permitting attachment to a line, said anchor having its center of gravity displaced from the axis of the shank and toward the main fluke.

2,103,478
SEWING MACHINE
Frederick Lutz, Stuttgart, Germany, assignor to Union Special Maschinenfabrik, G. m. b. H., Stuttgart, Germany
Application June 25, 1935, Serial No. 28,314
18 Claims. (Cl. 112—162)



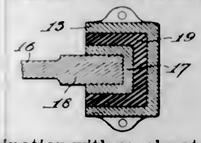
1. A sewing machine comprising a reciprocating needle; a non-thread-carrying looper to draw loops from the needle thread at one side of the fabric being seamed; and a latch looper to draw loops from the needle thread at the other side of the fabric, and, after drawing such loops, to take the loops from the first mentioned looper.

2,103,479
HOUSEHOLD CARBONATOR
William Magee, Park Ridge, Ill., assignor, by mesne assignments, of ten percent to Donald Guilliams, Evanston, Ill.
Application November 17, 1932, Serial No. 643,038
14 Claims. (Cl. 62—92)



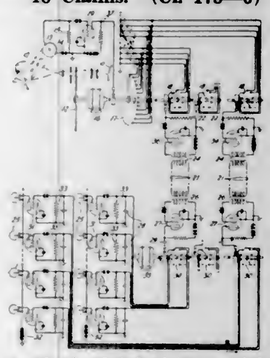
1. In combination, a household refrigerator having a power unit, a switch adapted to control said power unit, and a carbonator mounted in said refrigerator, said carbonator comprising valves adapted to admit water and carbon dioxide gas thereto, a pump adapted to supply water under substantial pressure, a clutch adapted operatively to connect said pump to said motor, a spigot for discharging carbonated water, and means for actuating simultaneously said valves, clutch and said switch.

2,103,480
GIB FOR ELEVATOR GUIDE SHOES
Howard F. Mason, Los Angeles, Calif.
Application June 10, 1936, Serial No. 84,517
2 Claims. (Cl. 308—3)



1. The combination with an elevator guide shoe, of a gib removably positioned in said shoe, said gib being formed in a single piece from iron wood, and channel shape in cross-section and a one piece channel-shape cushion arranged between said gib and said shoe.

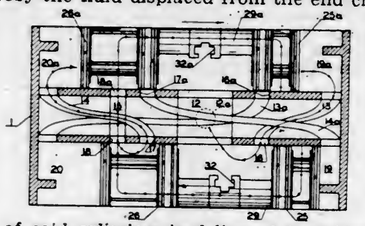
2,103,481
SIGNALING SYSTEM AND METHOD
Robert C. Mathes, Wyoming, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 24, 1928, Serial No. 295,057
18 Claims. (Cl. 178—6)



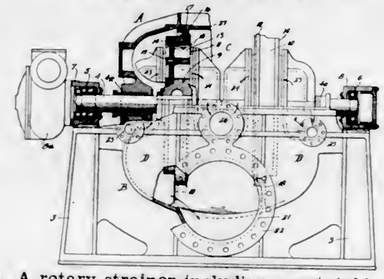
1. The method of television which comprises scanning a plurality of elemental areas of a field of view one at a time in succession to obtain a single electrical image current and utilizing energy derived from said current to control a plurality of transmission lines simultaneously.

2,103,482
LIQUID MEASURING DEVICE
Lyon McCandless, Beaver Falls, Pa.
Application August 20, 1935, Serial No. 37,027
8 Claims. (Cl. 73—242)

1. In a liquid measuring device a plurality of measuring cylinders having their axes in parallel relation and having axially spaced ports with communicating flow passages, hollow pistons operatively disposed in said cylinders having axially spaced heads dividing each of said cylinders into end compartments, a central compartment and intermediate compartments, the latter being communicative through the hollow pistons, a common inlet passage in radial alignment with one of each of the intermediate compartments of said pair of cylinders whereby the inlet pressure may be directed from said intermediate chambers through the flow passages to the end chambers of said cylinders to actuate the pistons for reciprocatory movement, the flow passages from said end chambers communicating with the central compartments of the cylinders, and said cylinders having a common outlet communicating with said central compartments whereby the fluid displaced from the end chambers of said cylinders is delivered to said common outlet and means connecting said pistons for correlating their movements.



2,103,483
ROTARY STRAINER
Daniel Raymond McNeal, Abington, Pa., assignor to Andale Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 30, 1935, Serial No. 52,288
5 Claims. (Cl. 210—196)

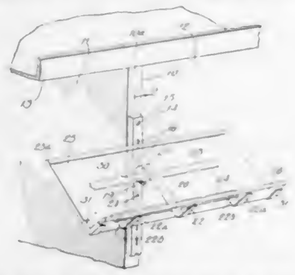


1. A rotary strainer including a rotatable axis mechanism, a pair of spaced strainer disks mounted on the axis mechanism, and a casing surrounding the strainer disks and cooperating therewith to form inlet and outlet chambers in the casing, one disposed intermediate the disks and serving as a flow chamber common to both disks and the other being divided with portions thereof disposed at the outer sides of both disks, a major part of the disk area at both sides of both disks being exposed to the adjacent chambers, inlet and outlet connections for introducing fluid to be strained into and for withdrawing the same from the inlet and outlet chambers, whereby to provide for flow of materials to be strained through the disks generally axially thereof but in opposite axial directions, a mechanism for cleaning the strainer disks, including cleaning boxes positioned at opposite sides of both disks, the boxes for each disk being circumferentially located in substantially the same position whereby to provide for flow of a cleaning medium from the box at one side of the disk through the disk to the box at the opposite side of the disk, and connections for a cleaning fluid associated with said boxes to provide for flow of cleaning fluid through the disks in a direction opposite to the flow therethrough of the fluid being strained.

2,103,484
ANGULAR DISPLAY SHELF
Pierre H. Meyer, New York, N. Y.
Application January 23, 1936, Serial No. 60,392
1 Claim. (Cl. 248—243)

A shelf supporting bracket comprising a unitary metal strip having a vertical arm joined at the upper end thereof through a large radius arc

to an outwardly and downwardly extending arm, said vertical arm having dual means for anchoring the bracket to a vertical apertured support, said means comprising a setoff on the lower portion of said arm to engage one of said apertures and an adjustable clamping means on the upper



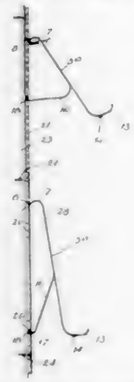
portion of said arm and near said arced portion adapted to engage another of said apertures, and said outwardly extending arm having a perpendicular extension at the lower end thereof to provide for the support of perpendicularly disposed back and front shelf members.

2,103,485

VARIABLE INCLINATION SUPPORTING BRACKET

Pierre H. Meyer, Mount Vernon, N. Y.

Application August 5, 1936, Serial No. 94,351
1 Claim. (Cl. 248—300)



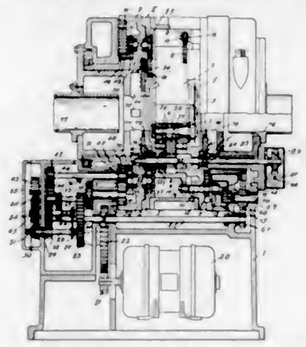
A device for supporting articles in an inclined position, said device comprising an elongated plate member, the lower end portion of which is provided with an outwardly extending curved article supporting flange and a pliable brace part normally disposed in alinement with said plate member and freely flexible into different angular positions with respect to the rear surface of said plate member and retained in the flexed position by the pliable characteristics of said member in controlling the angularity of support of said plate member with respect to a predetermined surface, said plate member having at the upper end thereof a rearwardly curved portion having a central upwardly curved tongue for engaging with an apertured support and downwardly curved tongues on either side thereof for engaging with the surface of said support, said device further having at the extremity of said brace part a central and downwardly curved tongue for engaging any one of several other apertures in said support, and upwardly curved tongues on either side of said last named tongue for engaging the surface of said support.

2,103,486

ROTARY TOOL MACHINE

Edwin R. Motch, Jr., Cleveland, and Johan Gustaf Moohl, South Euclid, Ohio, assignors to The Motch and Merryweather Machinery Company, Cleveland, Ohio, a corporation of Ohio

Application August 24, 1935, Serial No. 37,730
18 Claims. (Cl. 29—67)



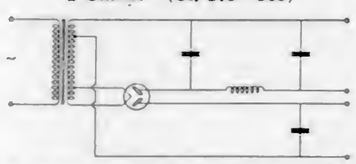
1. In a machine of the character described, the combination of work holding means, a series of rotary tools disposed exteriorly of the workpiece held in said work holding means, driving means for rotating said tools about their own axes and bodily around said work holding means, means for moving said tools inwardly with respect to the workpiece, and means for limiting the force applied to such inward movement of said tools.

2,103,487

RECTIFYING AND FILTERING SYSTEM

Paul Müller, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application October 24, 1933, Serial No. 694,964
In Germany October 18, 1932
1 Claim. (Cl. 175—363)



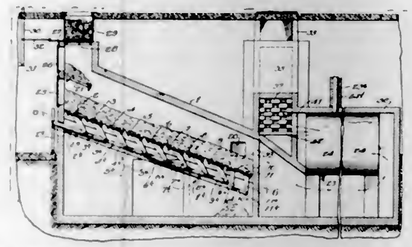
In a power supply device for amplifiers and the like, a source of alternating current, a power transformer having a primary winding and a secondary winding, a rectifier tube provided with a cathode and two anodes, an envelope for enclosing the cathode and two anodes, a connection between the cathode of the tube and one end of the secondary winding of the transformer, a load circuit, a connection between one of the anodes of the rectifier tube and the other end of the transformer secondary said connection including the load circuit, an auxiliary load circuit and a connection between the other anode of the rectifier tube and a point of the transformer secondary intermediate the two ends thereof whereby said two loads are supplied with independently rectified different voltage current.

2,103,488

APPARATUS FOR TREATING GARBAGE

Niels Ohlsen, Chicago, Ill.

Application April 5, 1926, Serial No. 99,721
Renewed September 10, 1936
4 Claims. (Cl. 110—15)



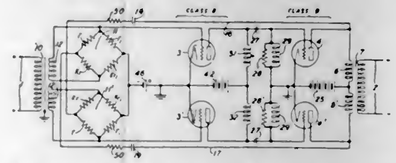
2. An apparatus for treating garbage comprising a burning chamber, the chamber being provided with an opening at the front through which garbage is inserted therein, a support in said chamber for said garbage inclined from the front downwardly toward the rear of the chamber, said support divided into a series of sections crosswise thereof, each crosswise section being separately movable, with means for moving each crosswise section so that the garbage thereon is bodily moved to the next section away from the opening, the last movable section constituting the burning section for the garbage, the garbage being dried and burned upon this inclined support by the heat supplied exclusively by the garbage to be disposed of.

2,103,439

AMPLIFIER CIRCUIT

Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 1, 1936, Serial No. 72,145
2 Claims. (Cl. 179—171)



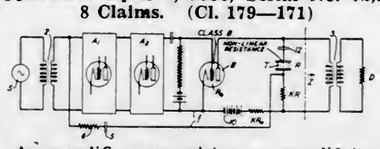
1. In combination, an amplifier having cascaded stages, each of said stages comprising space discharge devices in push-pull relation operated in accordance with so-called class B operation, in which the steady control-grid potential of each of the devices is such that the space current of the device is interrupted for the order of half the period of the waves to be amplified, said class B operation of said cascaded stages producing an objectionable gasping effect consisting of increase of gain of said amplifier with increase of load, and means for improving operation of the amplifier comprising connections for feeding back to the first of said cascaded stages a portion of the output waves of the amplifier in gain-reducing phase and in amount sufficient to suppress said gasping effect below the value without feedback.

2,103,490

WAVE TRANSLATING CIRCUITS

Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 1, 1936, Serial No. 72,146
8 Claims. (Cl. 179—171)



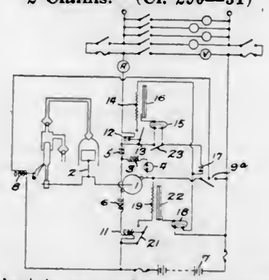
2. An amplifier comprising an amplifying element whose output impedance varies with variation of the magnitude of the waves to be amplified by said amplifying element, a feedback path for producing negative feedback in the amplifier for reducing modulation in the amplifier, an outgoing circuit for the amplifier, and an amplifier output bridge having said feedback path and said outgoing circuit in its diagonals, respectively, and having the output impedance of said amplifying element in a ratio arm of the bridge, and an impedance device having a non-linear voltage-current characteristic in another ratio arm of the bridge for balancing the variable output impedance of said amplifying element and rendering the bridge diagonals conjugate.

2,103,491

MEANS FOR CONTROLLING AUTOMATIC DIESEL ELECTRIC GENERATORS

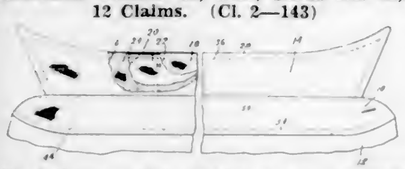
Archie Read, Newcastle-on-Tyne, England

Application May 19, 1936, Serial No. 80,615
In Great Britain October 1, 1935
2 Claims. (Cl. 290—31)



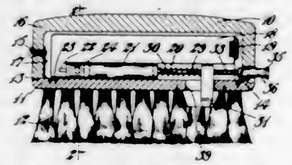
1. An electric generator system, comprising a dynamo, a Diesel engine coupled thereto, a battery adapted to supply current to the dynamo so that it will act as a motor, and to be charged by the dynamo when the latter is generating, a consumption circuit adapted to be alternatively supplied with current by the battery and by the dynamo, the said dynamo having an armature provided with three independent field windings, one being the conventional shunt winding but capable of producing more than normal field strength, and the other two being designed to work together to produce balancing effects enabling the dynamo to give a potential on the armature that does not vary with load and allows a definite trickle charge to the battery when the dynamo is generating, a contactor starting switch, a coil for electromagnetic operation of the contactor switch and adapted to be connected across the consumption circuit, a hand set but thermally responsive switch in the circuit of such coil, a normally open heating circuit for said switch, and an emergency coil in series with the aforesaid third winding adapted to close the heating circuit in order to open the circuit of the contactor switch coil.

2,103,492
COLLAR
Harvey D. Roberson, Leominster, Mass., assignor to Wachusett Shirt Company, Leominster, Mass., a corporation of Massachusetts
Application October 21, 1935, Serial No. 45,897
12 Claims. (Cl. 2—143)



12. A fused collar having a top comprising front and rear face plies and at least one interposed stiffener ply, and a neck-band comprising front and rear face plies and at least one interposed stiffener ply, each stiffener ply having a coating of fusible stiffening material on one face only which bonds it to the confronting face ply and throughout the confronting faces and said top stiffener ply being excluded from the fold line of said top.

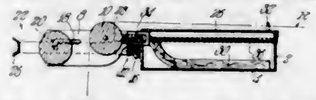
2,103,493
DISPENSING DEVICE
Charles Perkins Robertson, Upper Clapton, London, England
Application May 14, 1934, Serial No. 725,602
In Great Britain May 17, 1933
2 Claims. (Cl. 221—94)



1. In a device of the character described, a cylinder having an inlet at one end, a piston rod slidable through the other end of said cylinder, a piston at the other end of the piston rod, said piston rod having a longitudinally extending slot leading from its outer end, a push button formed with a longitudinally extending pocket slidably and rotatably receiving the outer end portion of said piston rod, and a pin extending diametrically of said push button through the pocket thereof and disposed to enter the slot when the push button is in one position to permit sliding movement of the push button independent of the piston rod, the pin being adapted to be disposed transversely of the slot when the push button is turned to an adjusted position and bear against the outer end of the piston rod in crossed relation to the slot to cause the piston rod to be shifted longitudinally into the cylinder and discharge contents of the cylinder when pressure is applied to the push button.

2,103,494
INKING DEVICE
Arthur Romano and Alboino Botta, Springfield, Mass.
Application September 19, 1936, Serial No. 101,602
4 Claims. (Cl. 91—62.5)

1. A device for applying ink or the like to a typewriter ribbon or the like comprising in combination, a casing in the form of a receptacle having spaced arms extending forwardly therefrom each provided with a longitudinally-extending slot and a communicating transverse slot at the outer end thereof, an inner roll journalled in said arms for rotation therebetween, an inking pad disposed in said casing having a part for contacting with said inner roll, a roll-release member having a pair of side arms disposed adjacent the first-named arms, an outer roll between the arms of the said release member having trunnions rotatable therein and disposed in and movable relative to said slots, and spring means associated with said casing and said arms of the release member urging the latter inwardly to-

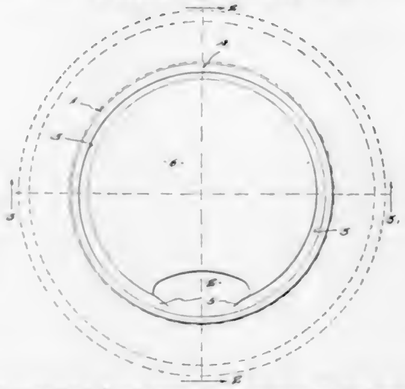


wards the casing, all adapted and arranged whereby the release member may be moved against the action of the spring means from an inner position where the rolls are in engagement to an outer position by sliding the trunnions of the outer roll along the longitudinal slots of the spaced arms and into the transverse slots thereof so that the release member is held against inward movement with the rolls in separated relation against the action of the spring means.

2,103,495
PROCESS FOR THE PRODUCTION OF VALUABLE SUBSTANCES
Hans Ruckdeschel, Kulmbach, Germany, assignor to the firm Ireks Aktiengesellschaft, Kulmbach, Germany, a joint-stock company of Germany
No Drawing. Application May 29, 1935, Serial No. 24,057. In Germany May 8, 1934
9 Claims. (Cl. 99—27)

2. The herein described process of making a syrup for flavoring, coloring and seasoning purposes, which process comprises the step of reacting a substance selected from the class consisting of trioses, pentoses and substituted pentoses, with a substance containing albumen decomposition products and selected from the class consisting of yeast, liquefied yeast, malt, malt mash, malt wort, malt extract, malt germs and malt germ extract.

2,103,496
PLANKED FOOD SERVER
Albert F. Saunders, Syracuse, N. Y., assignor to T. N. Benedict Manufacturing Company, East Syracuse, N. Y., a corporation of New York
Application November 21, 1935, Serial No. 50,884
1 Claim. (Cl. 65—15)



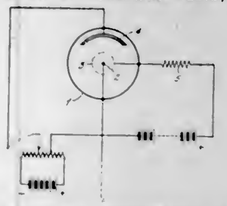
A planked food server comprising a flat wood body of substantially equal thickness throughout

its extent and having a circumferential groove in the margin of its upper face increasing in opposite directions in depth from one point to the diametrically opposite point of the body, the body being formed with a well at said diametrically opposite point into which the groove drains, the area of the upper face of the body within the circle of the groove being smooth and inclining in all directions towards the well.

2,103,497
ARTIFICIAL TEXTILE MATERIAL AND METHOD OF PREPARING THE SAME
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Original application May 4, 1934, Serial No. 723,844. Divided and this application June 10, 1936, Serial No. 84,479
18 Claims. (Cl. 28—1)

1. Process of improving the properties of filaments or yarns containing organic derivatives of cellulose comprising applying thereto a finish containing a fatty material selected from the group consisting of higher fatty acids and their glycerides and an alkyl ester of a para hydroxy benzoic acid.

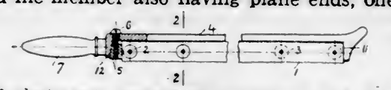
2,103,498
PHOTOCELL
Fritz Schröter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 8, 1933, Serial No. 660,008
In Germany March 11, 1932
7 Claims. (Cl. 250—41.5)



1. In a system for amplifying photoelectric currents, an electron tube comprising a heated electron emitting electrode, a grid electrode, and a photo-sensitized retarding electrode, a resistor and a source of potential for maintaining the grid electrode positive with respect to the heated emitter, and means for maintaining the photosensitive retarding electrode at a predetermined negative voltage relative to the heated emitter so that upon illumination of the photosensitized electrode magnified voltage variations are produced across the said resistor element.

2,103,499
FILE AND RASP
Simon Seifried and Ferdinand Ries, Munich, Germany
Application July 11, 1935, Serial No. 30,824
In Germany July 13, 1934
3 Claims. (Cl. 29—79)

1. In a file, a plurality of individual longitudinal file elements each having a file surface, means rigidly holding said file elements in position parallel to one another for forming a unified, selfcontained, individual file member composed of said elements, for forming a file surface composed of the file surfaces of said individual elements, and for maintaining a predetermined clearance between the file surfaces of said individual elements, and a holder provided with a handle for holding said file member, said holder having a plane abutment at each end, said file member also having plane ends, one of

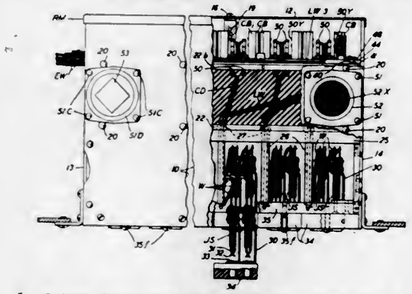


said abutments contacting one plane end of said file member, and a key contacting the other of said abutments and the other plane end of said member for forcing the first mentioned end of said member to its abutment and for securing said member to said holder and permitting easy removal of said member from said holder.

2,103,500
ALLOY
Enrique G. Touceda, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
No Drawing. Original application January 8, 1936, Serial No. 58,163. Divided and this application January 14, 1937, Serial No. 120,549
1 Claim. (Cl. 75—134)

A workable alloy having high resistance to lactic acid in solutions of the order of 12% at temperatures of the order of 180° to 190° F., and containing as essential alloying ingredients chromium, nickel, cobalt and molybdenum; the chromium content being from 20% to 33%, the nickel being from 20% to under 50%, the molybdenum being from 1% to under 7%, and the balance being substantially all cobalt and within the limits of 20% to 50%.

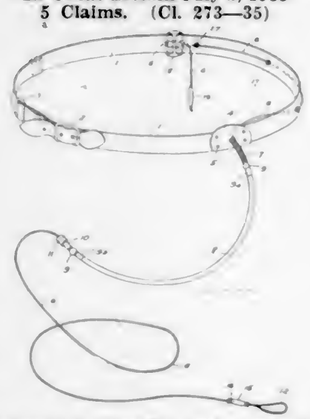
2,103,501
TERMINAL BOX DEVICE
Fred D. Waldron, Queens Village, N. Y., and Anthony J. Wier, Elizabeth, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1936, Serial No. 101,054
5 Claims. (Cl. 179—91)



1. A test terminal box device comprising a casing, partitions in said casing forming a plurality of adjacently disposed compartments, a plurality of terminals carried by one of said partitions and extending on opposite sides thereof into two of said compartments, a plurality of insulating bars supported by the end walls of said casing in adjusted spaced relation to each other, a plurality of switching devices having each a supporting block mounted in coordinate rows on said bars and connected to adjacent ends of said terminals, in one of the outer disposed compartments, a sleeve secured to one of the walls of

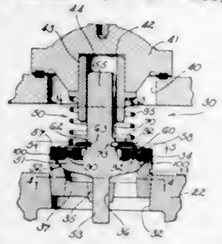
said casing through which the line wires enter the middle compartment for connection with the other ends of said terminals, and other electrical apparatus mounted on the other of said partitions in the other outer disposed compartment and having terminals connecting with the first-mentioned terminals in the said middle compartment.

2,103,502
GOLF HARNESS
John William Leo Webster, Liverpool, England
Application June 22, 1936, Serial No. 86,563
In Great Britain July 2, 1935
5 Claims. (Cl. 273—35)



1. A personal harness for use in controlling and directing the swing of a golf club, comprising, a hip girdle having means for adjusting its girth and securing it tightly around the hips of the golfer, a rein or cord connected at one end to the girdle at the left hip of the golfer when the girdle is secured in position, means for adjusting the effective length of the rein and for detachably connecting its outer end to the neck of the golf club, whereby if the rein be kept taut the club head is constrained to swing in a circle about the golfer's left hip.

2,103,503
SLUSH PUMP VALVE
Clarence White, Walnut Park, Calif., assignor to Oil Well Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application July 14, 1934, Serial No. 735,229
2 Claims. (Cl. 251—144)



1. In a valve structure, the combination of: a valve body adapted to engage a seat and including a pin portion; a flexible disc carried by said body and having a seating face on each side thereof, said disc being reversible to dispose either of said seating faces for engagement with said seat when said valve body is seated to form a seal therearound; walls forming an annular groove in opposite faces of said disc; an annular rib formed on said body and extending into one of said grooves for centralizing said disc on said body; a pressure plate on said pin for retaining said disc; a shoulder formed on said pin adjacent said plate; and a clip engaging said shoulder for retaining said plate, said clip comprising a pair of relatively spaced fingers integrally joined by a resilient portion, each of said fingers having an inwardly extending arcuate segment spaced from said resilient portion and adapted to fit said pin and the inner sides of the free ends of said fingers being tapered outwardly and beveled upwardly so that the space between said fingers is narrowest adjacent said segments, said beveled portions engaging said shoulder on said pin to increasingly press said plate against said disc when said clip is forced laterally between said shoulder and said plate, said resilient portion allowing said fingers to spread to allow said arcuate segments to snap around said pin in grasping relation, and said tapered portions being adapted to guide said clip into engaging position.

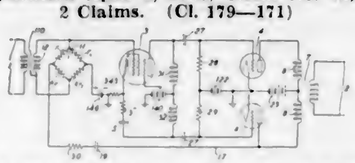
2,103,504
PURIFICATION OF CRUDE WAXY HYDROCARBONS
James M. Whiteley, Roselle, and Hans G. Vesterdal, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 26, 1932, Serial No. 595,426
13 Claims. (Cl. 196—20)

1. The method of purifying crude waxy hydrocarbons which comprises dissolving the crude material in a liquefied normally gaseous hydrocarbon, removing any material remaining undissolved, then chilling the solution whereby wax is caused to precipitate, and recovering the wax so precipitated.

2,103,505
PRODUCTION OF POLYMERS OF KETENE AND PREPARATION OF ESTERS THEREOF
Peter J. Wiezevich and Anthony H. Gleason, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 17, 1934, Serial No. 720,946
7 Claims. (Cl. 260—101)

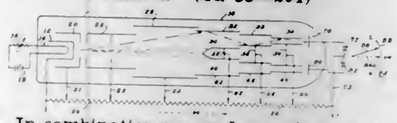
1. Method of preparing esters comprising reacting aliphatic poly-hydroxy alcohols with the products obtained by the polymerization of ketene in presence of an acid esterification catalyst.

2,103,506
WAVE TRANSLATING SYSTEM
Clyde S. Yeutter, Leonia, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 1, 1936, Serial No. 72,148
2 Claims. (Cl. 179—171)



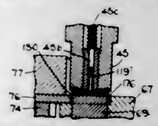
1. A wave translating system comprising two wave amplifying stages, of which one stage is a push-pull stage and the other is a driver stage therefor having but one amplifying element and having means cooperating with the output circuit of said amplifying element to form therewith a balanced output circuit of the stage including a mid-branch that contains a portion of the impedance of the input circuit of said amplifying element, and means producing negative feedback of waves from the output of said push-pull stage to the input of said amplifying element.

2,103,507
DIRECTION INDICATOR
Vladimir K. Zworykin, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1936, Serial No. 71,982
3 Claims. (Cl. 33—204)



1. In combination means for producing a beam of electrons, a pair of parallel conduits so positioned that the electrons constituting the beam are divided between the two conduits in substantially equal numbers when the beam is undeflected, a terminal electrode adjacent the end of each conduit remote from the point of electron entry, and means connecting said respective terminal electrodes in opposition to produce a balanced indication of any difference in the number of electrons impinging against the respective electrodes.

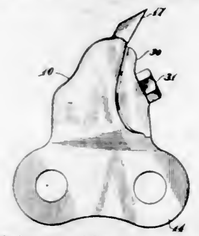
2,103,508
MACHINE FOR CAPPING TACK HEADS
Nils H. Anderson, Shelton, Conn., assignor to The Shelton Tack Co., Shelton, Conn., a corporation of Connecticut
Application June 12, 1936, Serial No. 84,792
8 Claims. (Cl. 10—158)



1. An improved tack capping machine comprising, a magazine for holding a plurality of tacks, a magazine for holding a plurality of caps, means for agitating the tacks and the caps and feeding said tacks and caps successively out of their respective magazines, a chute for receiving the tacks as fed from the tack magazine, a chute for receiving the caps as fed from the cap magazine, and means located at the exit ends of said respective chutes for arranging the caps each with the head of a tack deposited therein.

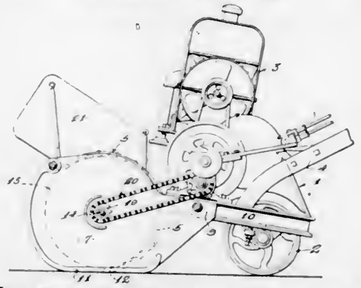
2,103,509
MINING MACHINE
Charles L. Bowman, Bowdil, Ohio, assignor to The Bowdil Company, Canton, Ohio, a corporation of Ohio
Application May 24, 1935, Serial No. 23,211
3 Claims. (Cl. 262—33)

3. A holder for a double-ended cutting tooth having opposed and offset angular sides and taper end to provide reversible cutting points, comprising, in combination, a body member having a recess for holding the bit in operative position with one cutting point exposed for operation and with the other cutting point seated into the bottom of the recess, the recess being large at its opening to receive the body of the tooth and being tapered at its bottom to receive the tapered end of the tooth and to provide an abutment for inward movement of the tooth, the tapered surface at the bottom of the recess encompassing all sides of the tooth, the recess having angular and opposed diverging offset surfaces integrally joined together



to form offset inner sides to engage opposed and offset angular sides of the tooth, said recess being open at its top and forward side and having deep lateral sides for engaging substantially the full depth of the sides of the tooth, and a separate clamping means having a portion engaging the exposed surface of the tooth at the forward open side of the recess for holding the tooth in the recess.

2,103,510
MOTOR SNOW PLOW
Charles S. Brown, Syracuse, N. Y.
Application May 19, 1936, Serial No. 80,599
2 Claims. (Cl. 37—43)

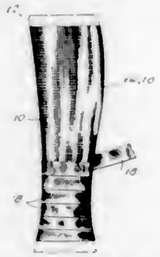


2. In a snow plow or sweeper, the combination with a suitable carriage and motor means thereon, of a cylindrical casing extending across the front of the carriage and being open at its front side, the casing having an outlet in the upper side at one end, a shaft mounted in the casing and having a head rotatable therewith in the discharge end of the casing close to the end wall of the casing, and a spiral vane, the edge of which runs substantially close to the surface over the carriage is being moved, the spiral vane terminating in a blade extending in a general direction lengthwise of the shaft and meeting said head, and motion transmitting means between the motor means and the shaft for rotating the latter.

2,103,511
ARTIFICIAL BODY MEMBER AND METHOD OF MAKING THE SAME
Rudolph K. Brown, Morristown, N. J.
Application April 22, 1936, Serial No. 75,676
7 Claims. (Cl. 3—2)

1. The method of making an artificial body member which comprises shaping wire mesh to

the form required, wrapping the shaped wire mesh with gauze, dipping such assembly in a water-proofing material, and repeating such wrapping and dipping steps alternately until the member is built up to the required thickness and strength.



2. As an article of manufacture, an artificial body member comprising a reenforcing body of wire mesh, a plurality of wrappings of gauze about said body, layers of water-proofing material interposed between the respective adjacent wrappings, and a coating of water-proofing material over the outside wrapping.

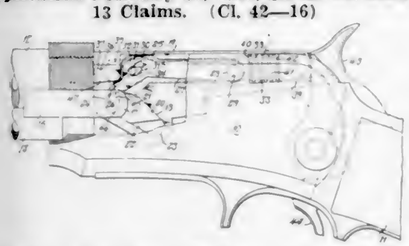
2,103,512

BOLT ACTION FIREARM

Frank F. Burton, Mount Carmel, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland

Application February 25, 1933, Serial No. 658,562

13 Claims. (Cl. 42—16)



1. In a bolt-action firearm, the combination with a retractable breech-bolt; of a reciprocating firing-pin carried by the said breech-bolt and having a laterally-offsetting operating-projection; a manually-reciprocatable action-slide having lost-motion connection to the said breech-bolt for operating the same; and a latch-member acting to releasably check the rearward movement of the said action-slide with respect to the said breech-bolt and provided with a cam-surface engaged by the laterally-offsetting operating-projection of the said firing-pin for being positively and concurrently moved into its unlatching position by the said firing-pin during the firing movement thereof.

2,103,513

MEANS FOR COOKING FOODS

Huntly M. Campbell, Detroit, Mich.

Application April 15, 1936, Serial No. 74,420

2 Claims. (Cl. 219—20)

2. Means for cooking foods comprising an oven, a heating unit for heating the interior of the oven, a primary circuit for operating the heating unit, a heat sensitive device adapted for insertion in the food being cooked, a secondary circuit, a transformer between the two circuits, the heat sensitive device being detachably connected in the secondary circuit for manual movement within the oven, said connection allowing movement of the food in relation to the electric heating element about the interior of the oven with the heat sensitive device therein, the arrangement being such that the heat sensitive device will close the secondary circuit when the interior of the food being cooked reaches a predetermined temperature and means operated by closing of the secondary circuit to open the primary circuit.



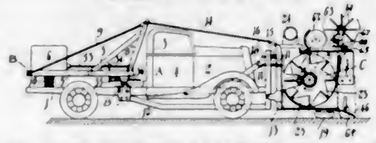
2,103,514

SNOW PLOW

Robert E. Cole, Highland Creek, Ontario, Canada

Application August 31, 1936, Serial No. 98,687

7 Claims. (Cl. 37—43)



1. In snow removing apparatus, the combination of a truck chassis; a platform pivoted at one end on said chassis; a motor on said platform; a snow plow frame pivoted on the front end of said chassis independently of said platform; and connections between said snow plow frame and platform to cause said snow plow frame and platform to rock simultaneously.

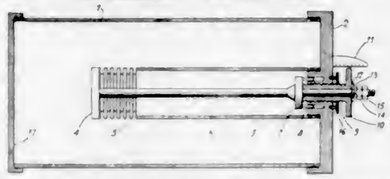
2,103,515

LOW POWER FACTOR LINE RESONATOR

James W. Conklin and Ludwig A. Battermann, Rocky Point, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application August 31, 1935, Serial No. 38,695

15 Claims. (Cl. 178—44)



1. A line resonator comprising inner and outer conductors mechanically fixed in position with respect to one another at one of their adjacent ends, an element which is adjustable in length with respect to the free end of said inner conductor coupled thereto, a rod of low temperature coefficient secured to said element and extending substantially the length of and within said inner conductor for maintaining the effective overall length of said inner conductor and element constant with respect to said outer conductor despite temperature fluctuations, and means external of said conductors and mechanically linked to said rod for adjusting the effective length of said inner conductor including said element.

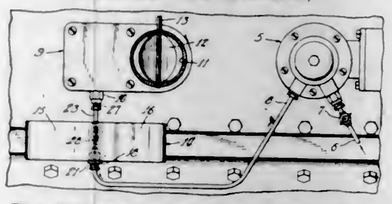
2,103,516

AUXILIARY FUEL SUPPLY FOR AUTOMOBILE ENGINES

Charles J. Dempsey, Chicago, Ill.

Application December 30, 1935, Serial No. 56,836

4 Claims. (Cl. 158—46.5)



1. In a fuel supply system for automobiles and the like, the combination with the carburetor, and a fuel pump for supplying fuel to said carburetor of a fuel container interposed between fuel pump and the carburetor, a supply conduit from the fuel pump through the container to the carburetor, said conduit having an opening in the side thereof within the container whereby to supply a portion of the fuel passing through it to the container and to impart the fluid pressure in the container to the fuel passing through said conduit to the carburetor, said container being pivoted on said conduit whereby it may be inverted with respect to the conduit.

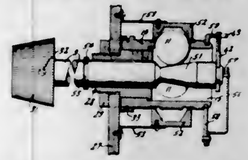
2,103,517

DRIVE MECHANISM

Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application August 2, 1935, Serial No. 34,423

18 Claims. (Cl. 74—10)



1. In combination, an adjustable element, a control member coupled to drive said element thereby to adjust said element, an operating member, means for coupling said control and operating members in reduced drive relation while said operating member is rotated over a predetermined range in excess of one complete revolution, and means for automatically coupling said members in direct drive relation when said operating member is rotated in either direction to the limits of said range.

2,103,518

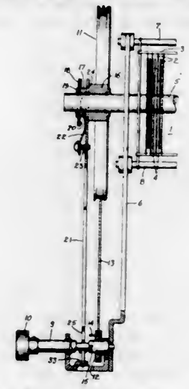
DRIVE MECHANISM

Donald R. De Tar, Stratford, Conn., assignor to General Electric Company, a corporation of New York

Application May 20, 1936, Serial No. 80,732

11 Claims. (Cl. 74—10)

1. In combination, a drive shaft, a driven shaft, said shafts having different axes, an arm connected to the driven shaft and extending therefrom toward said drive shaft, means to oscillate the end of said arm nearest the drive shaft about the axis of the driven shaft in response to rotation of the drive shaft through a predetermined range thereby to rotate said driven shaft, and additional means to drive the driven shaft independently of said arm in response to rotation of the drive shaft after said predetermined range is exceeded.



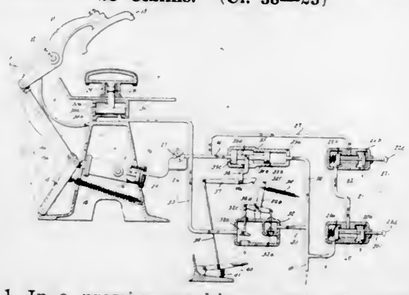
2,103,519

PRESSING MACHINE CONTROL

James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio

Application October 1, 1935, Serial No. 43,066

23 Claims. (Cl. 38—25)



1. In a pressing machine, a pair of coacting relatively movable pressing members, power means for causing relative approach movement between said members in two steps, a first step into preliminary closed position and a second step into final closed position, control members for said power means, one control member for causing each step of the operation thereof, a power device for actuating said second step control member, and means for operating said power device by operation of said first step control member successively in power supply and power cut-off directions.

2,103,520

DISPENSER FOR TABLETS OR THE LIKE

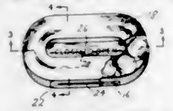
John H. Donnelly, Elmhurst, N. Y., assignor of one-half to Samuel E. Witt, New York, N. Y.

Application April 20, 1934, Serial No. 721,453

4 Claims. (Cl. 206—42)

1. A dispenser for tablets or the like comprising a bottom member, a cover member therefor arranged for movement relative to the bottom member, one of said members being provided with an opening, and the other of said members being arranged to completely close said dispenser against exit of a tablet and provided with means

whereby, when the members are moved relatively to each other, the dispenser is opened and a single tablet is exposed and ejected through the opening, and spring means for closing the container

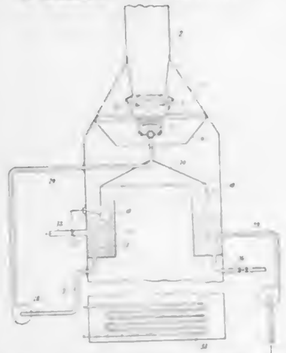


after a tablet ejecting operation, said members being arranged to confine the tablets to a single layer, and said ejection through said opening taking place in the direction of extent of said layer.

2,103,521
EVAPORATOR

Edgar Lionel Luly, London, England, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application October 30, 1936, Serial No. 108,341
In Great Britain September 3, 1935
6 Claims. (Cl. 159—31)



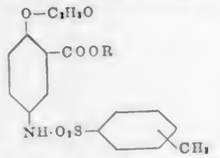
5. An evaporator having a cylindrical casing constructed to contain a pool of vaporizable liquid in the lower part thereof and having a vapor outlet in the upper part thereof, a gas and liquid separator in said casing opening to said outlet, a sprayer head below said separator arranged to downwardly discharge a conical liquid spray in said casing, a distributor cone symmetrically arranged relative to and below said sprayer head and having its lower end spaced from the sides of said casing for the passage therebetween of ascending vapor, and a separate annular collection chamber arranged to receive and collect liquid dropping from said distributor cone.

2,103,522
THERAPEUTIC COMPOSITION

Joseph Ebert, Westmont, N. J., assignor to The Farastan Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application December 3, 1936, Serial No. 113,985
6 Claims. (Cl. 260—104)

1. Compounds of the formula

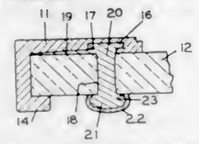


in which the relative position of the SO_2 group and the CH_3 group is one of the three positions, namely, ortho, meta and para positions, and in which R is a member of the group consisting of hydrogen and methyl.

2,103,523
OPHTHALMIC MOUNTING AND METHOD OF ATTACHING SAME

Gerhard A. Ellestad, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application November 5, 1936, Serial No. 109,360
4 Claims. (Cl. 88—47)



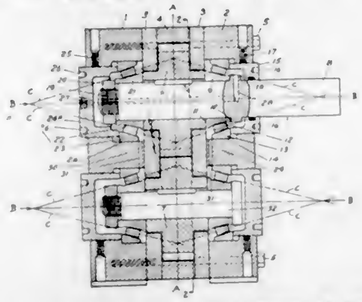
1. An ophthalmic mounting comprising a strap positioned on one face of a lens having an opening, anchoring means on said strap opposite and in communication with said opening, and a mass of fusible material filling said opening and having an integral portion secured to said anchoring means, said material also having an enlarged head portion contacting the other face of said lens, and a hollow shell substantially covering and anchored to said head portion, said shell being structurally independent of said mounting.

4. A method of attaching to a lens having an opening, an ophthalmic mounting having a strap provided with a recess which comprises placing the mounting on the lens with the recess in communication with the opening, placing a plug of fusible material in the opening with one end of the plug resting in the recess, placing on the other end of the plug a hollow shell having a diameter greater than that of said opening and applying sufficient heat to melt said plug so that the material of the plug will substantially fill the recess, opening and shell and then cooling the assemblage.

2,103,524
GEAR PUMP

Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware

Application January 3, 1935, Serial No. 262
1 Claim. (Cl. 103—126)

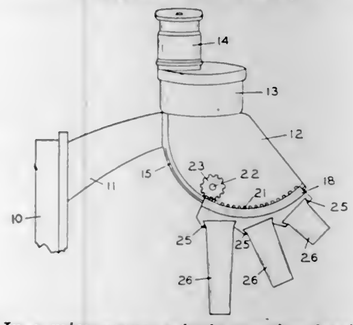


In combination in a gear pump, a pair of spaced shafts, pumping gears mounted on said shafts, at least one of said shafts having an annular shoulder located inwardly of the end of the shaft and a threaded portion upon said end with a nut engaging said thread, tapered roller bearings mounted on said shaft on opposite sides of said gear, the inner races of said bearings being arranged between said gear and shoulder and nut, respectively, and in abutment therewith, said bearings, and their inner races together with the gear being assembled or disassembled as an entirety from the said end of the shaft beyond said shoulder and all of said parts being clamped to the shaft by said nut when it is in engagement with the threaded end of the shaft, a casing for said pump adapted to slidably support the outer races of said bearings, and adjustable collars in said casing adapted to engage said bearings for adjustably moving the bearings and the shaft with its gear axially of said shaft to simultaneously adjust the intervals between said gear and said casing and also to reduce the diametral clearances of said tapered roller bearings.

2,103,525
MICROSCOPE

George B. Gallasch, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application June 27, 1935, Serial No. 28,682
7 Claims. (Cl. 88—39)

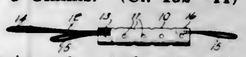


1. In a microscope, a body member having an arcuately curved lower wall, a groove in each side of said member substantially parallel to said wall, a multiple objective carrier, a recess in said carrier for receiving the lower end of said member, a tongue on each side of said recess for engaging the adjacent groove on said member to slidably secure said carrier to said member, teeth on said carrier, a gear rotatably mounted on said member for engaging the teeth on said carrier, and means for rotating said gear.

2,103,526
HAIR CURLER

Jacob Goodman, Brooklyn, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application October 4, 1935, Serial No. 43,497
3 Claims. (Cl. 132—44)



1. In a hair curler of the character described, the combination of a flexible tubular hair winding member upon which the hair may be wound, a pliable wire hair clamping member disposed within and projecting outward from the tubular member and adapted to be bent lengthwise against the tubular member to clamp the ends of the hair thereon prior to winding and to retain its bent form, and a locking member comprising two pliable wire arms, one extending outwardly from each end of the tubular member and adapted to be bent towards each other across the hair wound on the tubular member to fasten the curler in place in the hair.

2,103,527
PARTING WAX

Charles V. Goodyear, Waterloo, Iowa

No Drawing. Application December 17, 1936, Serial No. 116,381
1 Claim. (Cl. 22—190)

A method of preparing a parting wax, consisting in combining the following ingredients and mixing them together in successive stages, for approximately one gallon of the preparation, as follows:

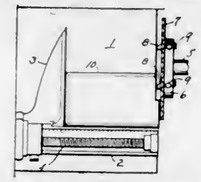
First; mix one pound of melted rosin with two quarts of gasoline, and keep in a closed container.

Second; melt one pint of paraffin wax, and mix with one pint of gasoline, one pint of light cylinder oil, two-thirds of a gallon of kerosene, one-half fluid ounce of castor oil, then add to this mixture one half pint of the first preparation.

2,103,528
TOOL SETTING GAUGE

Lee C. Hammond, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan

Application March 23, 1937, Serial No. 132,588
6 Claims. (Cl. 29—69)



1. A tool setting gauge for printers' sawing and trimming machines of the type having a work table on which is mounted a work gauge provided with a work finger, said tool setting gauge comprising a rectangular block having downwardly opening recesses therein, one face of said block being stepped for coaction with the trimming tools and saw teeth, respectively, of the machine, said block being adapted to be disposed on the work table in the angle between the work gauge and finger with said stepped face adjacent the tools to be set.

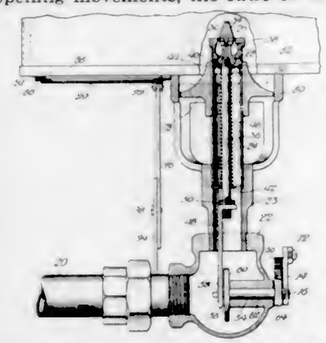
2,103,529
AUTOMATIC CONTROL FOR BURNERS

William G. Hartwig, Chicago, Ill., assignor to Railway Utility Co., Chicago, Ill., a corporation of Illinois

Application April 9, 1934, Serial No. 719,627
2 Claims. (Cl. 158—119)

2. In a burner, a controllable fuel valve, a primary air passage having a valve movable with said fuel valve and controlling the volume ratio of air mixed with fuel delivered thereto, a secondary air passage adapted to deliver air for promoting combustion of the fuel mixture, a secondary air valve controlling the volume ratio of secondary air supplied to the burner, and a valve-moving means having connections through which it moves all of said valves through a range of movements that positions all of said valves in substantially closed position or in a plurality

of open and successively more open positions, and means whereby the connection through which said valve-moving means opens the secondary air valve imparts to said secondary air valve opening movements, the ratio of which to



the opening movements of the fuel valve are progressively amplified, so that the volume ratio of secondary air supply to the fuel supply is materially greater as the volume of fuel supply increases.

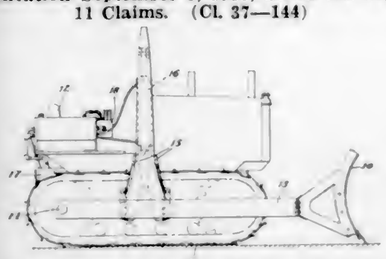
2,103,530

SYSTEM OF EQUALIZING THE LIFTING SPEED OF DIFFERENTLY LOADED HYDRAULIC JACKS

Carle D. Henry, South Portland, Maine, assignor to Maine Steel, Inc., South Portland, Maine, a corporation of Maine

Application September 5, 1935, Serial No. 39,274

11 Claims. (Cl. 37—144)



11. In material handling equipment, the combination with a propulsion vehicle and a material moving element propelled thereby, of a pair of separate lifting members mounted on the propulsion vehicle and operatively connected with the material moving element, a prime mover for said lifting members, a single source of power for driving said prime mover, and control means dominant upon said prime mover for causing a single jack to operate at maximum lifting speed or for causing both jacks to operate at equalized lifting speed on occasions when both jacks are differently loaded at the same time.

2,103,531

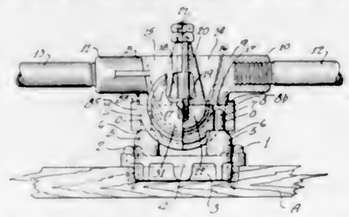
POURING JIG

Michael Holhut and Walter G. Vollmer, St. Louis, Mo., assignors to H & H Machine & Motor Parts Co., St. Louis, Mo., a corporation of Missouri

Application September 16, 1936, Serial No. 101,006

3 Claims. (Cl. 22—123)

3. A pouring jig adapted for cooperation with an automotive-bearing support structure to provide a mold for forming a substantially hemi-cylindrical mold-cavity, comprising a substantially hemi-cylindrical former having a flat upper face, a pouring cup pivotally mounted on said upper face and having a lower flat face receivable flatwise upon and in the plane of, the open side of the bearing support structure to position the substantially hemi-cylindrical former in spaced relation therefrom, and means to close the ends



of the bearing structure, said pouring-cup having a plurality of apertures formed through the bottom thereof and arranged in a substantially straight line, contiguous to straight edges of the mold-cavity, and of diametrical extent substantially equal to the transverse dimension of said mold-cavity for cooperation with said edges of the mold-cavity to shear off the poured bearing metal upon rotary movement of the pouring cup.

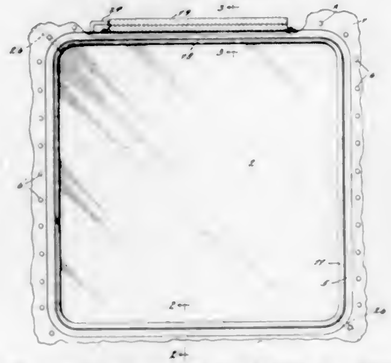
2,103,532

MOUNTING FOR DOUBLE PANELS

Fenley Hunter, Flushing, N. Y., assignor to Hunter Sash Company, Incorporated, Flushing, N. Y., a corporation of New York

Application March 19, 1936, Serial No. 69,640

7 Claims. (Cl. 20—56.5)



1. In combination, a frame having an opening therein, a bracket surrounding said opening and rigidly secured to said frame and comprising a rib extending inwardly towards the center of the opening and defining the edge thereof, two shelves on said rib and extending in opposite directions therefrom, two flanges on said bracket and disposed on opposite sides of said rib and extending inwardly towards the center of the opening and having their inner edges spaced from the edges of said shelves to form throats, two spaced panels, each larger than the opening defined by said rib and overlapping said rib on opposite sides thereof, and two strips of resilient compressible material holding said panels against movement away from said rib, each of said strips having a portion thereof extending through one of said throats and into engagement with the outer side

of one of said shelves and each strip also being compressed between the panel and flange associated therewith.

2,103,533

HAIR CURLER

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application May 23, 1936, Serial No. 81,371

4 Claims. (Cl. 132—41)



1. A hair curler comprising a tubular body and a wire clasp swingably secured to the body, said clasp having spaced apart side portions interconnected at one end and terminating at their opposite ends in preformed curved portions that are directed toward each other and extend into the tubular body to prevent accidental detachment of the clasp and to permit of swinging it relatively to the body through an arc having a radius of predetermined length.

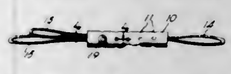
2,103,534

HAIR CURLER

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application May 26, 1936, Serial No. 81,802

8 Claims. (Cl. 132—44)



1. In a hair curler, a flexible tube, a flexible wire member consisting of a single length of wire bent to form a unitary structure comprising three flexible loops which are bound together by a metal clasp having an extended portion formed with an eye, said wire member being disposed in the bore of the tube and being fastened to the tube, adjacent one end thereof, by means of a fastener passing through the wall of the tube and the eye of the clasp, one of the flexible wire loops extending lengthwise over the tube, the other two flexible wire loops extending outwardly from the ends of the tube, one from each end.

2,103,535

HAIR CURLER

William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware

Application May 28, 1936, Serial No. 82,197

8 Claims. (Cl. 132—41)



8. In a hair curler, a tubular body, a clamping member hinged to the body, and means pressing against the clamping member at a point in advance of a line extending perpendicularly from the clamping member through the hinging point to hold the clamping member in raised position and at a point to the rear of said line to urge said clamping member into closed position.

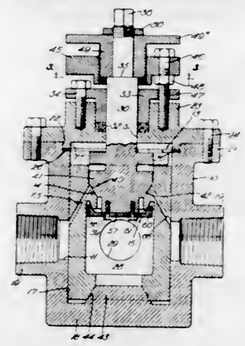
2,103,536

STOPCOCK

Melvin C. Inge, Brea, Calif.

Application September 4, 1936, Serial No. 99,331

8 Claims. (Cl. 251—101)



1. A stop cock including, a body having a fluid passage and an opening intersecting the passage, an expansible plug turnable in the opening to control the passage, means for expanding the plug to seal with the wall of the opening, means for equalizing the internal and external pressures on the plug, and a single means for expanding the plug and controlling the last mentioned means.

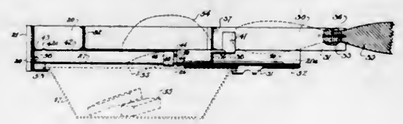
2,103,537

VEGETABLE SLICER

Thomas A. Killman and Robert T. Killman, Nashville, Tenn.

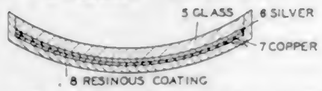
Application December 13, 1935, Serial No. 54,164

3 Claims. (Cl. 146—168)



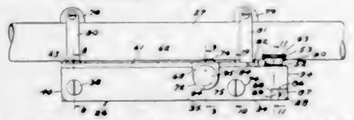
1. In a vegetable slicer, a stationary frame having a horizontal vegetable supporting floor, a main cutting blade carried by said stationary frame and lying in a plane parallel to and above said floor, a plurality of spaced vertical blades extending downwardly from the main cutting blade, a movable frame slidable within said stationary frame, composite vegetable pusher means carried by said movable frame and comprising an upper flat pusher strip mounted transversely of said movable frame and positioned entirely above the main cutting blade in a plane perpendicular to the plane of said blade and parallel to its cutting edge, and a second lower strip mounted transversely of said movable frame and lying in a plane parallel to and below the main cutting blade and spaced vertically from the upper flat pusher strip, said second lower strip being formed with slots, the ends of the metal between the slots being bent into a vertical plane, said plane being the plane that includes the upper flat pusher strip, whereby, at the end of a cutting stroke the main cutting blade passes into the space between the upper and lower strips and the vertical blades pass into the slots formed in the lower strip, and the bent down portions between the slots force the cut portions of the vegetable entirely clear of the blades.

2,103,538
REFLECTOR
Frank P. Kolb, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 22, 1934, Serial No. 754,317
2 Claims. (Cl. 88—105)



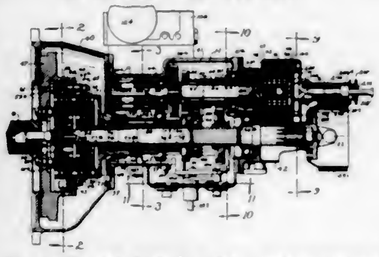
1. A reflector comprising a glass body, a reflective layer of silver on said body, a layer of copper on said silver and a protective coating, said coating being composed principally of glycerol phthalate and containing a metallic pigment.

2,103,539
TELESCOPE SIGHT MOUNTING
Frederick A. Kuhn, Meriden, Conn., assignor to The Lyman Gun Sight Corporation, Middlefield, Conn., a corporation of Connecticut
Application November 27, 1935, Serial No. 51,805
7 Claims. (Cl. 33—50)



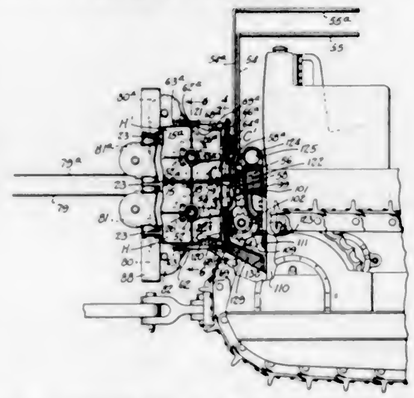
1. A mounting for telescope sight for rifles and the like comprising, a plate adapted to be secured on a part of a rifle, a base mounted on said plate for pivotal movement in a normally vertical plane, means for supporting a telescope sight on said base, and means for producing vertical movement of the base including, a screw mounted for rotation in said base and fixed against movement therein in the direction of the screw axis, and a cylindrical nut in which said screw is threaded, said plate having a cylindrical opening in which the nut is received, the axis of the opening being at right angles to the direction of movement of the base.

2,103,540
CHANGE SPEED TRANSMISSION
William T. Livermore, Westfield, N. J.
Application March 12, 1934, Serial No. 715,065
27 Claims. (Cl. 74—472)



2. In a change speed power transmission for automobiles including means for effecting a plurality of forward speeds and a reverse drive, a prime mover, a driving shaft and means for transmitting power from said prime mover to said driving shaft comprising a countershaft, a sleeve rotatably carried by said countershaft, a pair of continuously intermeshing gears connecting said sleeve and driving shaft for forward driving, a pair of continuously meshed gear trains of different gear ratios, one connecting said prime mover and sleeve and the other said prime mover and countershaft and means for rendering either of said gear trains effective to transmit power to said driving shaft through said sleeve and said pair of continuously intermeshing gears.

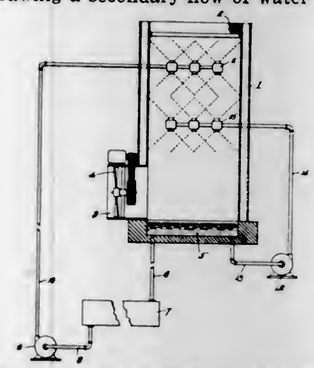
2,103,541
WINCH
John J. Low, Los Angeles, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware
Application December 18, 1935, Serial No. 55,036
9 Claims. (Cl. 254—185)



9. In combination; a winch drum; a brake actuating lever; a spring connected to said lever for urging the latter in one direction wherein a brake is adapted to be applied to the drum; a member operable to move the lever in the opposite direction wherein the brake is adapted to release the drum; a driving means for rotating the winch drum in one direction; a clutch for operatively connecting the driving means to the winch drum; a clutch operating arm; and a connector between said arm and member for actuating the latter by movement of the arm, said arm being pivoted to occupy a neutral position in which the clutch is disengaged and the brake applied, a second position in which the clutch is engaged and the brake free to be released, and a third position in which the clutch is disengaged and the brake released, said connector comprising at least two elements, and means for connecting said elements to allow movement of one element with respect to the other before the arm actuates the member so as to delay movement of the member by the arm, sufficiently to permit complete engagement or disengagement of the clutch before releasing or applying the brake.

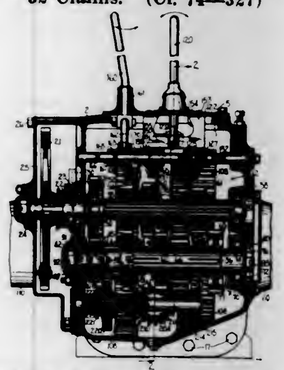
2,103,542
PROCESS FOR COOLING LIQUIDS
Leon T. Mart, Johnson County, Kans., assignor to The Marley Company, Kansas City, Mo. a corporation of Missouri
Application August 12, 1935, Serial No. 35,836
1 Claim. (Cl. 62—177)

The method of cooling water for and applying same to an industrial use, consisting in delivering hot water from a heat exchange system to a cooling tower, discharging said water into the cooling tower adjacent the upper end thereof, collecting the water in a collecting basin, returning a predetermined volume flow from the collecting basin to the heat exchange system, and finally, when the temperature of the water in the collecting basin exceeds a desired maximum, withdrawing a secondary flow of water from the



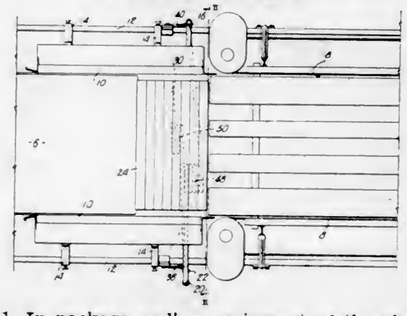
collecting basin without effecting a change in the return volume flow to the heat exchange system, and returning such secondary water flow to the cooling tower at a point below the hot water discharge for recooling such secondary water flow to effect a lowering of the overall temperature of the water in the collecting basin.

2,103,543
TRANSMISSION
Elmer McCormick and Wayne H. Worthington, Waterloo, Iowa, assignors to John Deere Tractor Company, Waterloo, Iowa, a corporation of Iowa
Application September 29, 1934, Serial No. 746,036
32 Claims. (Cl. 74—327)



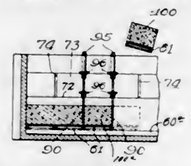
1. A selective speed transmission comprising a casing, a motor driven member journaled for rotation in said casing, a splined shaft rotatably mounted in said casing, means for coupling said splined shaft to said member whereby said splined shaft may be driven from said motor driven member at either of two speeds, a main driven gear journaled in said casing for rotation about an axis therein, gear means journaled for rotation about the same axis as a portion of said two-speed coupling means and operatively connected with said main driven gear, and a driving pinion slidably mounted on said splined shaft and optionally slidable into engagement with either said gear means or said main driven gear.

2,103,544
REFRIGERATED SEALING EQUIPMENT
Walter N. McWade, Overland Park, Kans., assignor of one-half to Merlin A. Sticelber, Kansas City, Mo.
Application February 12, 1937, Serial No. 125,420
5 Claims. (Cl. 62—1)



1. In package sealing equipment of the character described having a bottom cooling member provided with conduits for a refrigerant, and a pair of spaced-apart side cooling members above the bottom cooling member, adjustable toward and from each other and each provided with conduits for a refrigerant, the combination of a tube, having coils formed therein, joining said side cooling members; connections at the points of juncture between the tube and said side cooling members establishing communication between said conduits and said tube; and a bracket assembled with each side cooling member respectively holding the said tube at points thereof between the coils formed therein and the said connections for the purpose specified.

2,103,545
APPARATUS FOR MAKING CHEESE
Raymond Miollis, Barron, Wis.
Application May 11, 1935, Serial No. 21,007
11 Claims. (Cl. 31—46)

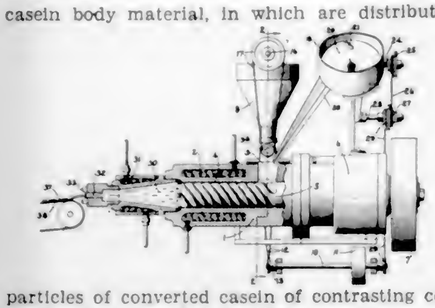


1. Apparatus for making natural cheese which comprises a molding vat adapted to receive a batch of curds, a plurality of removable platforms of equal size, spaced above the bottom of said vat, and means for cutting the batch in said vat along vertical lines coincident with the margins of said platforms, to form blocks of cheese of substantially equal size and shape so that they may be removed from the vat while supported separately on said platforms.

2,103,546
METHOD OF PRODUCING VARICOLORED CASEIN
George Morrell, Muskegon, Mich., assignor to George Morrell Corporation, Muskegon Heights, Mich., a corporation of Michigan
Application June 10, 1935, Serial No. 25,950
7 Claims. (Cl. 18—48.8)

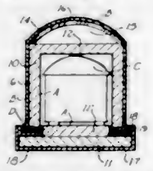
1. The method of producing varicolored casein which consists of subjecting unconverted rennet

casein body material, in which are distributed



particles of converted casein of contrasting color, to pressure and elongation.

2,103,547
BURIAL VAULT
Roy H. Morris, Brownwood, Tex.
Application May 27, 1935, Serial No. 23,647
1 Claim. (Cl. 27—35)



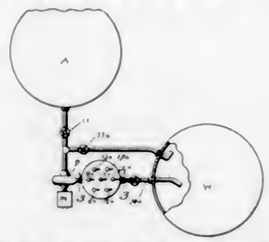
A burial vault comprising a case consisting of two cooperating sections, one section constituting a wooden base, inside and outside coatings of waterproof preservative material on said wooden base section, an airtight sheet metal covering encasing said wooden base section, and a coating of waterproof preservative material on the exterior surface of said sheet metal casing for the base section, and the second section constituting a wooden cover having similar inside and outside coatings of waterproof preservative material and an airtight sheet metal casing therefor having an exterior coating of waterproof preservative material the same as that on the sheet metal casing for the base section, and a seal between the meeting edges of the two cooperating sections consisting of the same coating as that on the metallic casings of the two sections whereby the case is entirely sealed by the homogeneous coating of waterproof material.

2,103,548
ELECTRIC CONNECTER
John A. Obermaier, Chicago, Ill.
Application October 1, 1934, Serial No. 746,379
Renewed November 5, 1937
3 Claims. (Cl. 173—361)



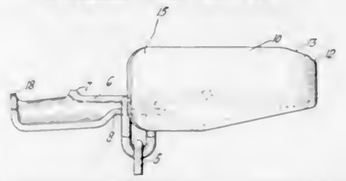
3. An electrical connecter comprising a disc of insulation, a block of metal having at one end a riveting stem extending through an opening in the disc and riveted over to secure the block to the disc, the opposite end of the block having a portion shaped to constitute one terminal of a plug and socket connecter, said block of metal having a wire receiving groove formed therein and extending in a direction parallel to the riveting stem, the disc of insulation having a wire receiving opening in alignment with the groove, and a wire extending through the opening and secured to the block at the groove therein.

2,103,549
APPARATUS FOR MAKING EMULSIONS OF BITUMINOUS MATERIALS
Matthew Griffin O'Neil, Dallas, Tex., assignor to Donald O'Neil, Dallas, Tex.
Application June 10, 1936, Serial No. 84,489
1 Claim. (Cl. 259—95)



In apparatus for emulsification, a liquid tank, means for establishing a closed circulating stream of liquid from and to said tank, said means including a pump and emulsifier unit comprising a receptacle, a partition wall dividing said receptacle into high and low pressure compartments, a plurality of perforated pipes mounted in said partition wall extending into said high pressure compartment and opening at one end into said low pressure compartment, means for closing the other end of said pipes and for regulating the flow of liquid through said perforations in the pipes, said means comprising sleeve valves mounted on said pipes, said sleeve valves being imperforate and having an elongated slot in one side thereof, said perforations in said pipes extending only part way around the pipes, a connection from said pump to said high pressure compartment and a connection from said low pressure compartment back to said liquid tank.

2,103,550
TIRE LUG
Frederick A. Olmstead, Cleveland Heights, Ohio, assignor to The Chain Products Company, Cleveland, Ohio, a corporation of Ohio
Application July 1, 1935, Serial No. 29,275
3 Claims. (Cl. 152—14)

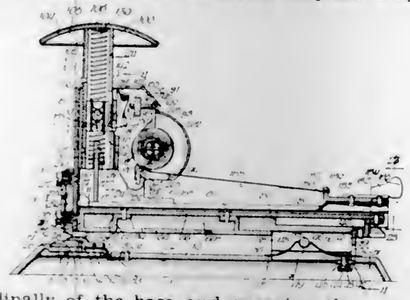


3. A traction lug for tires, comprising a plate, and an upstanding flange formed upon said plate, said flange being substantially V-shaped, the apex of which is rounded and reduced in depth to relieve the impact on the ground, the extremities of the flanges being extended laterally beyond the plate to form projecting wings.

2,103,551
STAPLING DEVICE
William G. Pankonin, Chicago, Ill.
Application October 18, 1934, Serial No. 748,803
33 Claims. (Cl. 1—3)

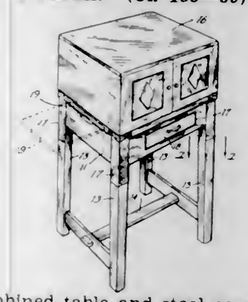
1. In a stapling machine, a base, a fixed anvil in said base, a second anvil pivoted transversely

of said base for movement into and out of operative position, and a spring disposed longi-



tudinally of the base and engaging the second anvil to maintain it in and out of operative position.

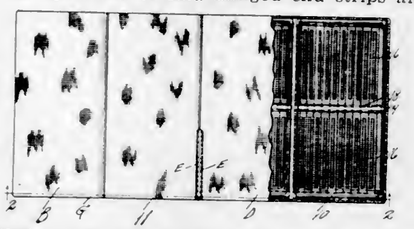
2,103,552
COMBINED CABINET, TABLE, AND SEAT
Alexander Radyx, Denver, Colo.
Application November 23, 1936, Serial No. 112,237
4 Claims. (Cl. 155—39)



2. A combined table and stool consisting of a table top; four square legs extending downwardly from said top, the upper portion of each of said legs being cut away on a diagonal extending from corner to corner thereof; a stool member having a top; legs extending downwardly from the stool top, said latter legs being triangular in cross section so that they will occupy the space formed by said diagonal cut away portions; an open bottomed cabinet forming the seat portion of said stool member, the legs of said stool member having a length equal to the length of the cut away portions in the table legs, the diagonal faces of the legs of said stool member engaging the complementary diagonal faces of the legs of said table top when said stool member is placed on the table top to form a table of greater height.

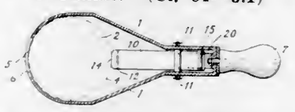
2,103,553
SELF-COOLING BED AND COUCH CUSHION
Joseph H. Reynolds, Cisco, Tex.
Application September 15, 1934, Serial No. 744,103
1 Claim. (Cl. 155—182)

In a bed or couch cushion of the character described and comprising a pocketed casing of flexible sheet material, a cushioning and cooling unit insertable interchangeably in the respective pockets of the casing, comprising, a rectangular body frame of relatively stout wire, said frame having at opposite ends a strip of sheet metal folded longitudinally therearound with its marginal portions brought together to provide a flange, said flange being provided with a series of apertures throughout the length thereof, a bridle strip of flexible sheet metal extending across said frame from side to side thereof and medially between said flanged end strips and having apertures at its opposite marginal portions and respectively alined with the apertures of said flanged end strips, helical springs secured at their outer ends in the apertures of said flanged end strips and



at their inner ends in the apertures of said medial bridle strip, said springs being each of the same diameter and the diameter being relatively greater than the diameter of the constituent wire of the body frame and also greater than the thickness of the bridle strip, the axes of the frame wire, bridle strip and each of the springs being in substantially the same plane, and a wick element in each of said springs.

2,103,554
JAR OPENER
Cecil S. Robinson, Ithaca, N. Y.
Application June 24, 1936, Serial No. 86,952
3 Claims. (Cl. 81—3.1)



1. In a jar opener, the combination of a supporting means, a retaining band rigidly attached to said supporting means, a pivoted blade adapted to cooperate with said band in a toggle action so as to drive the edge of said blade with a powerful force toward said band, stop means for maintaining the blade substantially in the general direction of the retaining band, so that said band may also serve as a guard, and spring means for holding the blade when free in a position beyond the dead center of its toggle action, to permit the initial engagement of the blade under a jar cover.

2,103,555
DUST GUARD AND SEAL ASSEMBLY
Lawrence A. Rowe, Oak Park, Ill., assignor to MacLean-Fogg Lock Nut Company, Chicago, Ill., a corporation of Illinois
Application January 13, 1936, Serial No. 58,825
7 Claims. (Cl. 286—6)

1. In a dust guard assembly, the combination of a dust guard comprising a pair of relatively thin sheets having an enlarged aperture for passing a railway car journal, said sheets having a sealing member of flexible material secured between them, said sealing member being formed with a centrally located aperture bordered by a cylindrical flange engaging a cylindrical portion of a railway car journal, a shiftable housing comprising a pair of metallic sheet metal plates having enlarged apertures, the apertures being smaller than the outer area of said dust guard whereby the dust guard may shift between said metallic sheets to adapt itself to the position of

the railway car journal, a gasket of yieldable material engaging the inner wall of a dust guard well and having a metallic backing slidably engaging one of said sheets, and means for urging



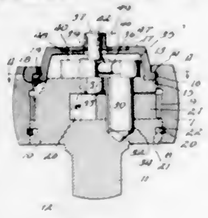
said assembly toward one side of the dust guard well to place a compression upon said yieldable gasket and to effect a water-tight seal between the railway car journal and the dust guard well.

2,103,556

RATCHET WRENCH

Theodore O. Rueb, Chicago, Ill., assignor to The Sherman-Klove Company, Chicago, Ill., a corporation of Delaware

Application March 13, 1936, Serial No. 68,653
4 Claims. (Cl. 81—63)



2. In a ratchet wrench, a head having means for engagement with a nut or the like and having a transverse opening therein, a pin extending through said opening, a double ended pawl mounted on said pin, a handle having a cylinder engaging with said head and having internal teeth which are engaged by the pawl, a head on said pin having a crescent shaped recess therein, a block pivotally mounted on the first named head and having a longitudinal bore, a spring pressed plunger mounted in said bore and engaging with the recess in the head of the pin and serving to turn the pin and pawl, stops for said block, a cap mounted in the cylinder and enclosing the block and coacting parts, a disc engaging with an annular recess in said cap, and a thumb piece on the disc engaging with the pivot for said block for turning the same.

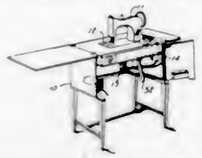
2,103,557

KNEE CONTROL FOR SEWING MACHINES

Neil T. Sawdey, Shaker Heights, and Nathaniel E. Colegrove, Lakewood, Ohio, assignors to White Sewing Machine Corporation, Cleveland, Ohio, a corporation of Delaware

Application July 25, 1935, Serial No. 33,106
11 Claims. (Cl. 74—515)

1. A device for operating the control mechanism of an electrically powered sewing machine comprising a fixed member, a pair of hinge brackets pivotally mounted on said member and spaced longitudinally thereof, a movable member hinged



edly connected to said brackets and adapted to have an operative connection to said control mechanism, and a depending knee actuated element operatively connected with said movable member.

2,103,558

PHOSPHATES OF AMINO ACID ESTERS AND METHOD OF PRODUCING SAME

Walter Schoeller, Berlin-Westend, and Erich Borgwardt, Berlin-Hermsdorf, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Application August 29, 1934, Serial No. 742,000. In Germany September 6, 1933
18 Claims. (Cl. 260—106)

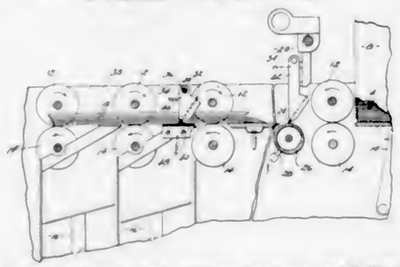
1. Addition products of aliphatic esters of amino acids and phosphoric acid.

2,103,559

SELECTOR FOR SORTING MACHINES

William C. Silver, Kansas City, Mo.

Application June 20, 1936, Serial No. 86,393
8 Claims. (Cl. 209—110)



1. In a sorting machine having card feeding devices for successively carrying cards into the machine, a plurality of card-receiving pockets, and distributing passages leading to the pockets, the combination of electrical means having spaced-apart brushes for simultaneously, individually analyzing a plurality of the cards, and means operated by said analyzing means to open the receiving end of one of the distributing passages for one of the cards being analyzed, the relative natures of the plurality of cards being analyzed determining the pocket receiving one of said cards, said distributing passages having their receiving ends between said spaced-apart brushes.

2,103,560

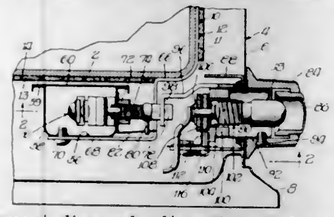
ELECTRIC COOKING UTENSIL

Alva T. Smith and Herbert J. Moon, Milwaukee, Wis., assignors to National Enameling & Stamping Company, Milwaukee, Wis., a corporation of New Jersey

Application May 4, 1935, Serial No. 19,796
26 Claims. (Cl. 219—20)

1. In an electric cooking device having a receptacle provided with a bottom and a side wall,

the combination of a low heating circuit including heating elements, one of said elements being disposed adjacent the bottom and another of said elements being disposed adjacent the side walls of said receptacle, said elements being connected in series, a high heating circuit including a heat-



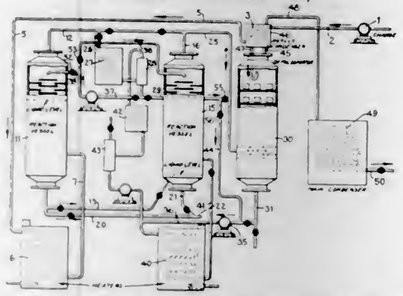
ing element disposed adjacent one of said walls and electrically connected in parallel with one of the elements of said low heating circuit, and a thermostat for disconnecting the heating element of the high heating circuit when a desired temperature is reached.

2,103,561

METHOD OF CONVERTING HYDROCARBON OIL

Harris A. Smith, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application August 23, 1932, Serial No. 630,016
4 Claims. (Cl. 196—49)



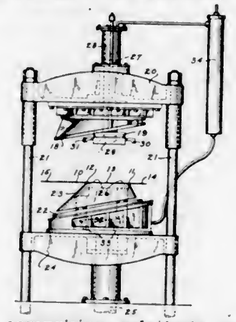
1. The process of producing gasoline from relatively heavy hydrocarbon oil which comprises heating said heavy oil to a cracking temperature under superatmospheric pressure, to cause mild cracking thereof in the liquid phase, separating the resulting cracked products into vapors and a liquid residue, introducing said vapors into a partial condensing zone wherein the heavier fractions thereof are condensed, introducing a portion of the condensate so formed into an upper point in a separate reaction zone, introducing said liquid residue into said reaction zone, introducing hot cracked vapors into said reaction zone to maintain the temperature thereof at a cracking value, removing cracked vapors from said reaction zone and introducing them into a dephlegmating zone wherein separation thereof into a clean condensate and a vapor fraction of desired boiling characteristics takes place, introducing another portion of said condensate first mentioned into said dephlegmating zone, removing uncondensed vapors from said partial condensing zone, condensing the removed vapors and heating the condensate so formed, in mixture with said clean condensate and a portion of said condensate first mentioned, to a vapor phase cracking temperature, to form said hot cracked vapors, and withdrawing unvaporized residue from said reaction zone at such a rate as to prevent the accumulation of large amounts of liquid therein.

2,103,562

WHEELBARROW MANUFACTURE

Irving R. Smith, Milwaukee, Wis., assignor to Sterling Wheelbarrow Company, West Allis, Wis., a corporation of Wisconsin

Application May 11, 1934, Serial No. 725,045
6 Claims. (Cl. 153—21)



1. A press comprising, relatively movable dies cooperable to produce a marginal flange on a blank, a form carried by one of said dies and cooperable with the blank, a plunger carried by the other of said dies and cooperable with the blank in opposition to said form to cause bending of portions of the blank about said form, and resilient means for permitting movement of said form and plunger relative to the supporting dies to produce said marginal flange.

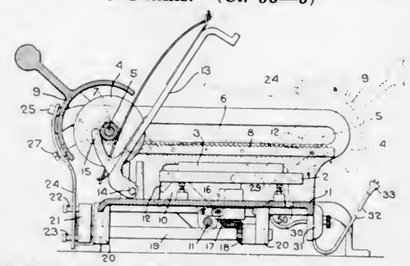
4. The method of forming a wheelbarrow body from a blank having a perforated bottom and slits extending away from the bottom to form segregated side and end projections, which comprises, utilizing the bottom perforations to initially position the blank, subsequently bending the side projections out of the plane of the bottom, thereafter likewise bending the end projections and simultaneously folding the opposite edge portions thereof over the adjacent edge portions of the previously bent side projections, and finally reversely bending the outer edges of all of the side and end projections into a common plane to provide a continuous marginal flange having double thickness at the overlapping edge portions.

2,103,563

MACHINE FOR SLITTING AND BROILING MEAT

Joseph P. Spang, Quincy, Mass.

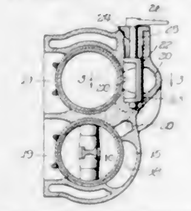
Application April 27, 1937, Serial No. 139,169
3 Claims. (Cl. 53—5)



2. A machine of the class described comprising a meat-supporting plate in the form of a turn-

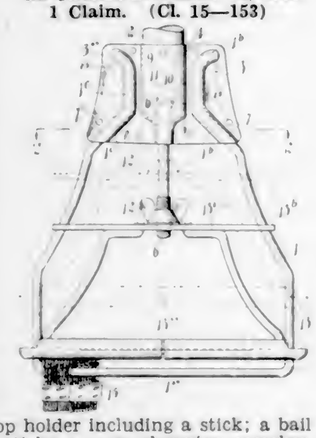
table, means for cutting slits in a slice of meat supported by said turntable, which slits extend from one edge of the slice of meat entirely across the slice to the opposite edge, means for heating the turntable sufficiently to subject the meat thereon to a cooking operation, and means for rotating the turntable.

2,103,564
INTERNAL COMBUSTION ENGINE
Philip A. Tanner, Waukegan, Ill., assignor to Johnson Motor Company, Waukegan, Ill., a corporation of Delaware
Application December 19, 1934, Serial No. 758,176
9 Claims. (Cl. 123—73)



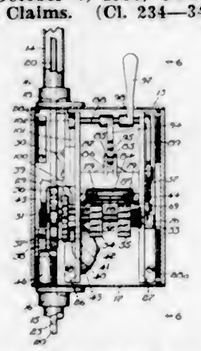
3. In a two-cycle, two cylinder, alternate firing, internal combustion engine of the crank case compression fuel type having means dividing the crank case and separate compression chambers for each cylinder, a passage from each compression chamber to the outer end of the cylinder, opposite inlet and exhaust passages in the walls of the cylinder, the passages being controlled by the pistons movable therein, of a transfer bypass between the passages having a port in the wall of one of the cylinders for admitting gas under compression from the passage of the other cylinder in advance of and after the normal fuel admission port for the cylinder to correspondingly increase the charging thereof.

2,103,565
MOP HOLDER
Hugh B. Tarbox, Toronto, Ontario, Canada
Application December 4, 1936, Serial No. 114,094
In Canada December 14, 1935
1 Claim. (Cl. 15—153)



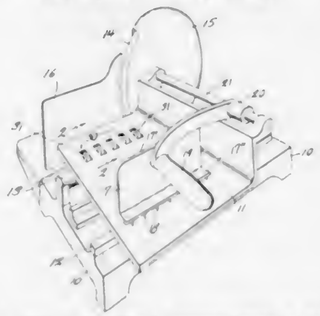
A mop holder including a stick; a ball secured to the stick; a mop clamping member slidable on the ball; a stud secured to the stick, said stud being threaded adjacent its outer end and having a diametrically reduced portion between said threaded portion and the stick; and a nut adapted to be screwed on the threaded end portion of the stud and to slide freely on the reduced portion of the stud between said threaded end portion and the stick, said stud being so positioned relative to the slidable clamping member that the nut may engage said clamping member to advance it to clamp a mop between the said clamping member and the ball.

2,103,566
LIQUID RECORDING MECHANISM
James P. Taylor, Los Angeles, Calif.
Application October 7, 1933, Serial No. 692,638
2 Claims. (Cl. 234—34)



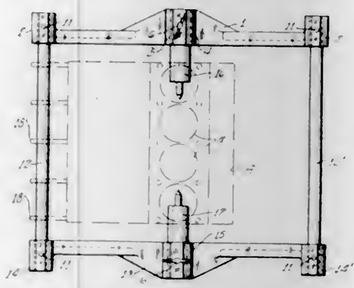
1. In a liquid dispensing and recording apparatus embodying a liquid reservoir having a float therein with operating connections from the float to a type wheel for setting the wheel in accordance with the variations in liquid level within said reservoir, and in which means are provided for producing an impression from the type wheel; the combination, of means responsive to the actuation of said means for releasably locking the type wheel, said operating connections being responsive to a refilling of the reservoir for acting upon the type wheel to release the same and move it into initial position.

2,103,567
SLICING MACHINE
Wilhelmus Adrianus van Berkel, Clarens, Switzerland, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application November 5, 1934, Serial No. 751,595
In Great Britain November 9, 1933
11 Claims. (Cl. 146—102)



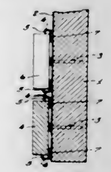
1. A slicing machine comprising a substance support, a rotating knife, a gauge plate, means arranged at spaced intervals in said support for lifting the substance from the support, means for operating the lifting means, and spring means for holding said lifting means depressed within the substance support during the slicing operation of the knife.

2,103,568
MOTOR-BLOCK STAND
Walter G. Vollmer, St. Louis, Mo., assignor to H & H Machine & Motor Parts Co., St. Louis, Mo., a corporation of Missouri
Application August 21, 1936, Serial No. 97,199
3 Claims. (Cl. 77—63)



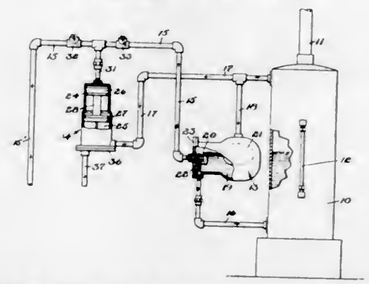
1. A stand for supporting an engine block structure and positioning the structure for cylinder boring operations, comprising a pair of supporting frames spaced apart a distance greater than the length of the engine structure, opposed arbors carried by the frames engaging the main bearings of an engine structure therebetween for oscillatory movement, said frames having portions definitely locating the block with respect to the work supporting table of a boring machine, and means on said frames definitely limiting oscillatory movement of the engine structure to dispose the cylinder openings in definitely located relation to the work supporting table.

2,103,569
BRICK SUPPORT
David A. Wallace and Eugene Wallace, Detroit, Mich.; said Eugene Wallace assignor to said David A. Wallace
Application March 20, 1936, Serial No. 69,904
11 Claims. (Cl. 72—19)



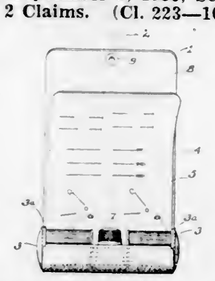
1. A device adapted for supporting bricks comprising a metal blank of strip form, said strip being severed and having the severed portions bent from the plane of the strip and extending substantially normal to the plane of the strip, the extremities of the severed portions being bent inwardly whereby the edges thereof provide retainers for the reception of facing elements, said severed portions and retainers being resiliently flexible, and said retainers being spaced apart a normal distance less than the width of the bricks they are adapted to receive.

2,103,570
AUTOMATIC LIQUID REGULATING SYSTEM
Michael Edward Walters and John Arthur Wolfe, Huntington Park, Calif.
Application December 20, 1935, Serial No. 55,460
8 Claims. (Cl. 122—451)



6. A fluid boosting device embodying, a pair of differential cylinders, a pair of differential pistons connected for simultaneous movement within said respective cylinders, means forming a passage in the high pressure cylinder through which fluid to be pumped is passed into and out of the device, means forming a permanently opened restricted inlet into the low pressure cylinder through which fluid is admitted for operating the device, said inlet being sufficiently small to permit continuous communication between the low pressure cylinder and the operating fluid during the exhaustion of fluid from said low pressure cylinder without appreciably retarding the exhausting operation, and a valve controlled exhaust passage leading from the low pressure cylinder whose cross sectional area is substantially greater than that of the restricted inlet.

2,103,571
SEWING KIT
Frederick W. Watson, New York, N. Y., assignor to Security Products Corporation, New York, N. Y., a corporation of New York
Application September 1, 1936, Serial No. 98,862
2 Claims. (Cl. 223—106)



1. A sewing kit having the combination of a sheet of material, an entirely separate sheet of material for pinning articles thereto, both of said sheets being elongated and secured to each other so as to form a transversely disposed tube, an elongated receptacle adapted to enter longitudinally into said tube, a portion of said tube being inserted into said receptacle to constitute a lining therefor, the balance of said tube covering the exterior of said receptacle, both of said sheets projecting from said receptacle as free leaves and being adapted to wrap together in concomitance and in a manner freely shiftable relatively to each other around said receptacle, said second

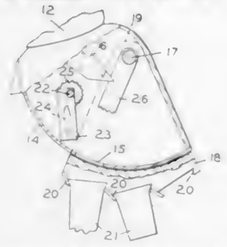
sheet serving to close up the receptacle and said first sheet enwrapping said second sheet and entire kit, and said first sheet having fastening means to maintain it in enwrapped state.

2,103,572
FILTER
Donald H. Wells, Glen Ellyn, Ill.
Application July 22, 1936, Serial No. 91,925
13 Claims. (Cl. 210—204)



4. A fluid-penetrable filter comprising a relatively thin porous body of fibers, the said fibers being uniformly impregnated over the entire filtering area thereof with a polymerized resin having irreversible thermoplastic characteristics similar to that of a phenol-formaldehyde resin, the pores of the body being substantially unobstructed.

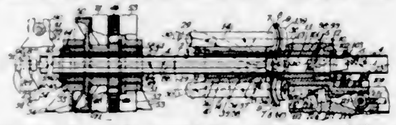
2,103,573
MICROSCOPE
Ralph E. Wilkinson, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 20, 1935, Serial No. 37,004
8 Claims. (Cl. 88—39)



1. In a microscope a hollow body member having a light path therethrough, a multiple objective carrier movably mounted on said member, a lens mount, means for movably mounting said lens mount within said member and means on said carrier cooperating with the first named means for moving said mount into and out of said light path.

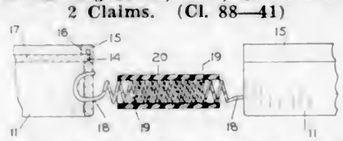
2,103,574
POSITIVELY CONTROLLED TUBE BORE MANDREL FOR TUBE FORMING MACHINES
John B. Wintercorn, Chicago, Ill.
Application June 12, 1934, Serial No. 730,232
17 Claims. (Cl. 80—13)

1. In a tube forming machine of the described class, means for forming the outside surface of the tube arranged to compose a working pass, mandrel means for forming the bore of the said tube in the said pass, means for relatively feeding the blank from which the said tube is formed through the said pass during the tube forming operation, means coaxially adjacent to the said pass adapted to tightly coaxially contact with the said outside surface of the said tube adjacent to the said pass and positively guide same coaxially with the said pass, means coaxially connected to the said mandrel means adapted to tightly coaxially contact with the said bore of the said tube adjacent to the said pass and positively guide same coaxially with the said mandrel means within the said pass, and means coaxially connected to the said mandrel means and the said bore guiding means and tightly coaxially contacting with the said outside surface guiding means adjacent to the said pass for positively locating and holding the said mandrel means and said bore guiding means coaxial to each other and respectively coaxial within the said pass and to the said outside surface guiding means at the start of the said tube forming operation, the said locating and holding means adapted to be longitudinaly coaxially moved relatively to said outside surface guiding means and relatively away from said pass as the forward end portion of the said tube is formed to thereby cause the



said outside surface and the said bore of the said forward end portion of the said tube to be formed coaxial to each other, and the part of the said forward end portion of the said tube progressively formed and adjacent to the said pass adapted in the same manner as the said locating and holding means thereafter for positively locating and holding the said mandrel means and the said bore guiding means coaxial to each other and respectively coaxial within the said pass and to the said outside surface guiding means as the remaining portion of the said tube is formed to thereby cause the said outside surface and the said bore of the said remaining portion of the said tube to be formed coaxial to each other.

2,103,575
GOGGLES
Bartholomew A. Diggins, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 21, 1936, Serial No. 97,237
2 Claims. (Cl. 88—41)

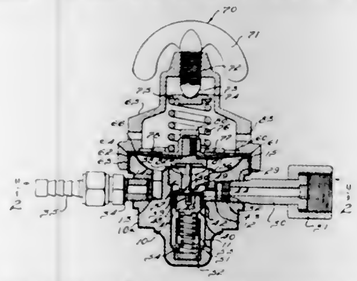


1. In a pair of goggles, a tube, two helixes screwed together within the tube and engaging the inner wall of said tube, each helix having one end extending out of said tube, and two eye cups secured one on each of said ends.

2,103,576
PRESSURE REGULATOR
Charles H. Dockson, Detroit, Mich.
Application January 9, 1935, Serial No. 960
8 Claims. (Cl. 50—23)

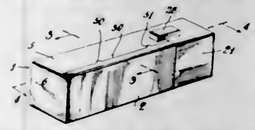
1. A pressure regulator to be used with pressures up to approximately 2000 pounds per square inch comprising a die-cast body portion provided with an inlet port communicating with a central high-pressure well integral with said body portion and a low-pressure chamber communicating with said well, said low-pressure chamber having an outlet port therein, said well and chamber having a lining of fine grained metal substantially impervious to fluid seepage under pressures up to approximately 2000 pounds per square inch, a pressure reducing valve within said low-pressure chamber and comprising a rigid valve nozzle, a

valve seat having a recessed face portion, a readily flexible washer secured centrally of said recessed face portion, clamping means secured to said valve seat and adapted to clamp the circumferential edge of said washer and maintain said washer in intimate contact with said valve seat, a resilient member acting on said valve seat and tending to hold said flexible washer in intimate contact with said nozzle, and pressure regulating means comprising a flexible diaphragm extending over said low-pressure chamber, a spring



disposed above said diaphragm and bearing thereon, a valve operating member depending from said diaphragm and adapted to contact a stem on said valve and unseat said valve seat from said nozzle, and adjustable means for compressing said spring, thereby to control the pressures on said diaphragm for regulating the pressures directly exerted on the gas in said low-pressure chamber and for operating said valve to control the flow of gas from said well to said low-pressure chamber.

2,103,577
COSMETIC DEVICE
Joseph Keith O'Moore Farrell, New York, N. Y.
Application July 7, 1936, Serial No. 89,388
Renewed August 31, 1937
12 Claims. (Cl. 132—79)

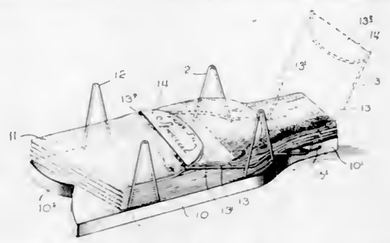


1. A lipstick device including a casing having an open end and adapted to telescopingly receive a lipstick, a separable cap adapted to carry a lipstick and to close the end of said casing, a mirror, means mounting said mirror for sliding movement into and out of said casing, and means actuated by the separating movement of said cap for urging said mirror out of said casing in a direction transversely to the movement of the cap.

2,103,578
DISPLAY HOLDER
Harry Stacy Ford, Cleburne, Tex.
Application February 9, 1937, Serial No. 124,912
2 Claims. (Cl. 211—49)

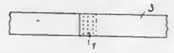
1. In a display holder for ties, socks, or similar articles, in combination, a base member having a surface for supporting a stack of articles, a bail formed of a single, continuous generally U-shaped wire or rod, the open end of the U being pivoted to said base about an axis substantially parallel to and below said surface, the free end of said bail having a reentrant bight, the said bight lying in a plane at an angle to the plane

of said U, a flat plate secured to and filling said bight, said bight and plate being adapted to



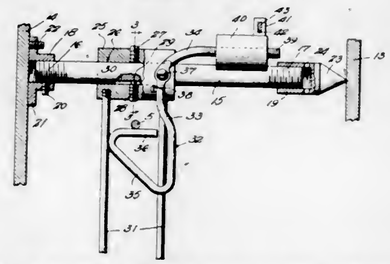
contact with and lie flat upon the uppermost article of a stack resting on said base.

2,103,579
ELASTIC BAND
Emil Glück, Burkhardtsdorf, Germany
Application May 13, 1936, Serial No. 79,587
In Germany May 8, 1934
1 Claim. (Cl. 154—42)



An elastic supporting band of the kind described, comprising a vulcanized rubber strip having the ends thereof overlapped and needle punctured and united by a layer of non-vulcanized needle punctured rubber, the composite having the characteristics of having been pierced after overlapping the ends of the strip.

2,103,580
FLUSH TANK ATTACHMENT
Eddie J. Goodman and Jennings W. Bibee, Lynchburg, Va.
Application March 8, 1937, Serial No. 129,752
7 Claims. (Cl. 4—41)



1. An accessory for a flushing device which includes a flush tank, a float valve, a ball valve for the outlet of the tank and an actuating arm for the valve ball; said accessory comprising latching means for releasably holding the float valve closed, and means for moving the latching means out of engagement with the float valve adapted to be connected with and actuated by the actuating arm of the ball valve.

2,103,581
VINYL RESINS
Daniel M. Gray, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
No Drawing. Application April 25, 1934, Serial No. 722,400
9 Claims. (Cl. 106—22)

1. A polymerized vinyl resin composition resulting from the polymerization of a vinyl compound and containing a basic organic inhibitor

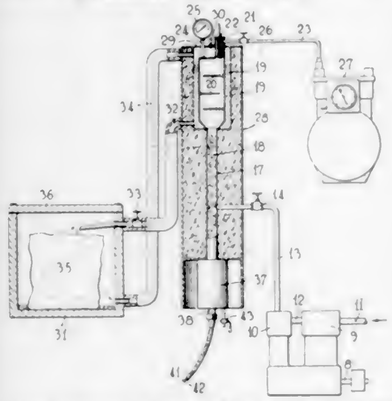
of discoloration of the vinyl resin on heating in the presence of iron, iron compounds or ferrous surfaces, said inhibitor being of the class consisting of urea, methyl urea, triethanolamine, dipropanolamine, urea oxalate, dibenzylamine, triamylamine, diethylthiourea, thiourea, and benzylamine.

2,103,582

METHOD AND APPARATUS FOR TESTING HYDROCARBON GASES

Lon S. Gregory, Tulsa, Okla., assignor to The Refinery Supply Company, Tulsa, Okla.

Application May 16, 1935, Serial No. 21,862
12 Claims. (Cl. 62—91.5)



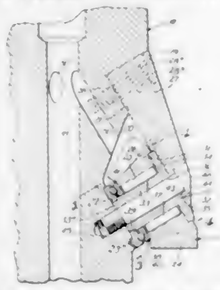
7. The method of separating gases comprising introducing such gases into a rectification zone, forming a reflux condensate at the top portion of said zone by circulating a liquid refrigerating agent in association therewith, causing said agent during said circulation to flow in a restricted stream downwardly in liquid condition and to contact with a solid refrigerant having the characteristic of passing directly into a dry gaseous state, and utilizing pressure generated by said contact to elevate a stream consisting of a mixture of the gaseous refrigerant and said liquid refrigerating agent to maintain said circulation.

2,103,583

WELL REAMER

John H. Howard, Huntington Park, and Alfred C. Catland, Alhambra, Calif.; said Catland assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application June 15, 1936, Serial No. 85,212
9 Claims. (Cl. 255—73)



1. A well reamer including, a body having a recess, a cap secured to the body and extending downwardly across the outer side of the recess, opposing depressions in the wall of the recess and inner side of the cap, a cutter assembly comprising a bearing having a flange at one end, a cutter rotatable on the bearing, and a washer forcibly pressed on the other end of the bearing to be rigid therewith whereby the assembly may be handled as a unit, the flange and washer being adapted to cooperate with the depressions, and a pin carried by the body and cap and extending through the bearing to support the assembly.

2,103,584

COWTAIL GARTER

Michael Jamba, Stamford, N. Y.

Application March 12, 1936, Serial No. 68,550
1 Claim. (Cl. 119—105)



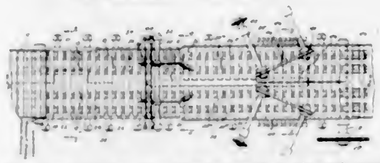
As a new article of manufacture, an elastic strip, hooks on the respective opposite ends of said strip, a pair of slide frames on the strip through which opposite end portions of the strip are doubled back to form loops, and keeper loops confined on the strip through the medium of said slides, and said hooks being engageable with said keeper loops as and for the purpose specified.

2,103,585

METHOD AND APPARATUS FOR SHAPING BODIES

Herman K. Kimble and Harry Richter, Vineland, N. J., assignors to Kimble Glass Company, Vineland, N. J., a corporation of Illinois

Application February 21, 1935, Serial No. 7,530
17 Claims. (Cl. 49—7)



5. In a machine for shaping the closed end of a hollow glass body, means for continuously moving the hollow glass body along a predetermined path, means for heating the closed end of the glass body, a forming tool providing a shaping surface adapted for tangential contact with the end of the body, said shaping tool being elongated in the direction of travel of the glass body, and fluid discharge means extending for a substantial distance in the direction of travel of the glass body and arranged to blow

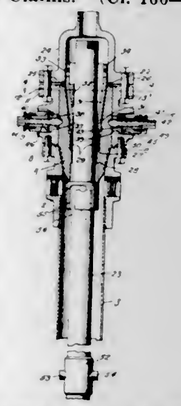
the end of the body into engagement with the said shaping surface during the uninterrupted movement of the body longitudinally of the shaping surface.

2,103,586

TUBING HEAD

George B. Kitchel, Houston, and Edmund J. Roach, Beaumont, Tex., assignors to Beaumont Iron Works Company, Beaumont, Tex., a corporation of Texas

Application January 24, 1936, Serial No. 60,682
5 Claims. (Cl. 166—14)



1. A tubing head having the lower end secured to a casing and having an upwardly and outwardly flaring seat, a tubular hanger slidable in said head and having its lower end flared to fit said seat, means at the lower end of the hanger for detachably supporting an inner string of tubing in the hanger, and means in the upper part of the hanger for locking the said inner string in any desired position in the hanger.

2,103,587

ORNAMENTATION OF TEXTILE FABRICS

Louis Amédée Lantz, Alexander Lang Morrison, and William Stuart Miller, Manchester, England, assignors to The Calico Printers' Association Limited, Manchester, England, a British company

No Drawing. Application January 23, 1936, Serial No. 60,522. In Great Britain February 21, 1935
4 Claims. (Cl. 8—5)

1. A process for producing pattern effects on textile fabrics which comprises applying to the fabric composed of natural or regenerated cellulose unreacted components of a synthetic resin of the amido-formaldehyde group and treating the fabric in selected areas with a reagent which inhibits the formation of said resin, heating the fabric to form the resin on the fabric in those portions thereof not treated with the inhibiting agent and then washing out of the selected areas the unreacted resin components and inhibiting agent.

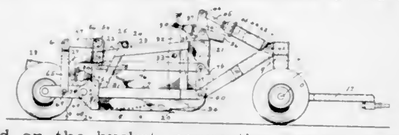
2,103,588

SCRAPER

Charles Le Bleu, Los Angeles, Calif.

Application May 15, 1936, Serial No. 79,909
20 Claims. (Cl. 37—124)

1. A machine of the character described comprising a bucket, wheels mounted on the rear end of the bucket for swinging movement in a vertical plane, a pony truck disposed forwardly of the bucket adapted for connection to a draft device, a frame mounted at its front end on the pony truck and swingably mounted at its rear



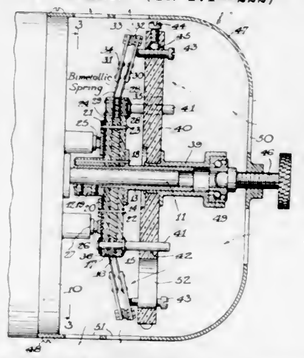
end on the bucket, connecting means operably associating the frame and the swingably mounted wheels at the rear end of the bucket, and means for swinging the frame to move the bucket vertically without tilting it.

2,103,589

MOTOR SPEED REGULATOR

Royal Lee and Lawrence E. Egedal, Milwaukee, Wis., assignors to Lee Engineering Research Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application May 20, 1935, Serial No. 22,429
16 Claims. (Cl. 171—222)



16. In a centrifugal switch, the combination of a rotatable means including a pair of coaxial rotatable members drivingly connected and relatively axially movable, a pair of circuit-closer contacts carried by said rotatable means, said rotatable means having a spring arm with a major component of flexural movement in a direction substantially parallel to the axis of rotation of said rotatable means, one of said contacts being carried by said spring arm at a distance from the axis of rotation and displaceable by centrifugal action with respect to the other contact, the contact on said spring arm having a major component of movement parallel to the axis of rotation, means for conducting electric current to said contacts, and means for varying the relative axial movement of said rotatable members to adjust the speed-setting of the circuit-closer.

2,103,590

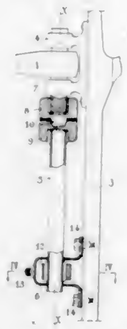
RESILIENT SUSPENSION DEVICE FOR MOTOR CARS OR OTHER VEHICLES

André René Lefevre, Paris, France, assignor to Société Anonyme Andre Citroen, Paris, France

Application August 15, 1934, Serial No. 740,014
In France August 26, 1933
4 Claims. (Cl. 267—57)

1. In a suspension for motor cars or other vehicles, the combination of a rod capable of resiliently working under a torsional stress, two supports secured on the said vehicle and in which the

ends of said rod are rotatively mounted, a lever rigid with one end of said rod and adapted to carry a wheel at its free end, abutments rigid with the other end of said rod, a pair of abut-



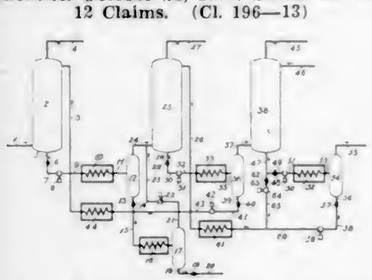
ments secured to the chassis of the vehicle and arranged for cooperating with the abutments of said rods, and adjusting means for some of these abutments.

2,103,591

PROCESS FOR PRODUCTION OF LUBRICATING OIL

David R. Merrill, Long Beach, and Philip Subkow, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application October 24, 1932, Serial No. 639,341
12 Claims. (Cl. 196—13)



1. A process for the production of lubricating oil from a hydrocarbon oil mixture which comprises extracting said mixture with a solvent, separating a raffinate and an extract dissolved in said solvent, cooling said solution of extract dissolved in said solvent to separate a paraffinic fraction from said solvent solution of extract, removing said paraffinic fraction from the remaining solvent solution of extract, continuously passing said cooled paraffinic fraction to a later extraction stage and extracting said fraction passed to said later extraction stage into a second raffinate and extract with a solvent.

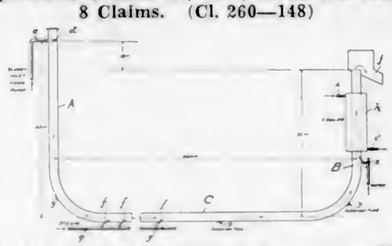
12. A process for the separation of paraffinic and non-paraffinic fractions from an oil containing the same which comprises commingling said oil in an extraction stage with a selective solvent, forming a raffinate phase comprising relatively paraffinic oil fractions and an extract phase comprising selective solvent and relatively non-paraffinic fractions, separating said phases, removing a paraffinic oil fraction from the extract phase, returning the selective solvent containing the remaining dissolved fractions to an earlier extraction stage, and extracting oil passing to said earlier extraction stage with the selective solvent containing the remaining dissolved fractions.

2,103,592

METHOD FOR STABILIZING NITROCELLULOSE

Mahlon G. Milliken, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application October 27, 1934, Serial No. 750,258
8 Claims. (Cl. 260—148)



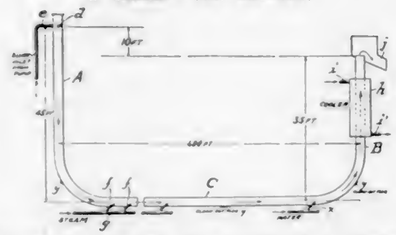
1. A method of stabilizing nitrocellulose fibers which comprises subjecting nitrocellulose fibers admixed with water to an increasing and then decreasing hydrostatic pressure, which is above atmospheric pressure, and to a controlled heating, by means of open steam, for a time sufficient to stabilize the nitrocellulose and remove residual dilute acid therefrom and to a temperature above the boiling point of water when at atmospheric pressure but below the temperature at which water will boil under the superimposed hydrostatic pressure.

2,103,593

APPARATUS FOR STABILIZING NITROCELLULOSE

Mahlon G. Milliken, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

Application February 27, 1935, Serial No. 8,479
Renewed June 17, 1937
1 Claim. (Cl. 23—266)



Apparatus for the treatment of a slurry of fibrous material suspended in a liquid comprising a substantially circular conduit of relatively large cross-section having a substantially horizontal section of great relative length and two relatively short substantially vertical sections of unequal length extending upwardly from the ends of said horizontal section and being connected thereto by arcuate sections having a large radius of curvature, a conduit of relatively small cross-section connected to the longer of said vertical sections at a point above the top of the shorter of said sections and opening into said section tangentially of the wall thereof, means for heating material passing through said horizontal section and means for cooling material passing through said shorter vertical section.

2,103,594

GLOVE

John M. Murray, New York, N. Y.

Application December 12, 1936, Serial No. 115,480
1 Claim. (Cl. 2—160)



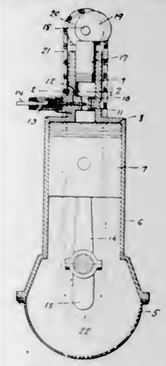
A glove, a piece of material on the underside of the palm of the glove and extending transversely of the palm entirely across the base of the finger-receiving portion of the glove and rearwardly toward the wrist-receiving portion of the glove so as to underlie substantially the entire palm of the glove, the entire periphery of the material being stitched to the glove palm, the area of the material bounded by the stitching being greater than the corresponding portion of the glove palm to provide a pocket, a slit through the glove palm immediately adjacent the base of the finger-receiving portion of the glove to provide an opening for the pocket, and a slide fastener member for drawing and securing the edges of said slit together to close the pocket, said fastener being so disposed that the same must be moved transversely of the glove to open the slit.

2,103,595

INTERNAL COMBUSTION ENGINE

Alfred William Nelson, Camden, N. J.

Application October 13, 1936, Serial No. 105,419
1 Claim. (Cl. 123—33)



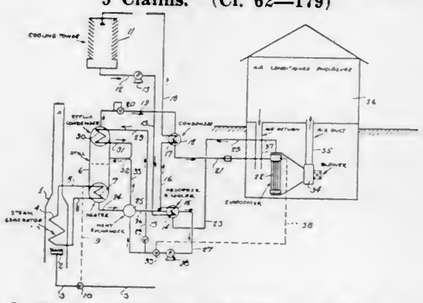
In combination, an engine consisting of a plurality of cylinders, each of these said cylinders being provided with a piston therein, a crank shaft, a pitman connection between each of the said pistons and the crank shaft, each of the said cylinders being provided with an air compression chamber, a plunger operative in the compression chamber, a cam for operating each of the said plungers, timing means between the cams and the crank shaft, a constricted passageway between the compression chamber and the cylinder, and a fuel injection nozzle projecting into the said constricted passageway, said passageway defining an annular shoulder between the cylinder and the compression chamber, said shoulder having by-pass ducts therethrough communicating the cylinder with the compression chamber, said by-pass ducts being each substantially less in diameter than the said passageway.

2,103,596

AIR CONDITIONING SYSTEM

Paul M. Raigorodsky, Tulsa, Okla.

Application January 23, 1935, Serial No. 3,177
5 Claims. (Cl. 62—179)



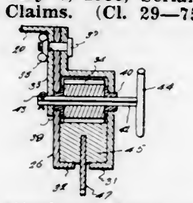
2. The method of refrigeration which comprises evaporating a liquid hydrocarbon refrigerant of relatively low boiling point, directly absorbing the vapors of said refrigerant solely under the self generated pressure of said vapors in a liquid hydrocarbon absorbent of relatively high boiling point, separating the refrigerant from the absorbent by flash vaporization and condensing the refrigerant solely under the self generated pressure of the vapors thereof.

2,103,597

CABLE CUTTER

Arley E. Ravenscroft, Denbigh, Va.

Application July 7, 1936, Serial No. 89,453
2 Claims. (Cl. 29—75)



1. A cutting attachment for the handles of plier type tools comprising a bracket, means for securing the bracket to one handle of a tool, said bracket provided with a leg member, a guide on the leg member, a rack slidable in the guide, and having a saw blade extending therefrom, said gear and rack being in meshing relation, and adjusting means between the leg member and the guide whereby the guide can be set at various inclinations, said guide having a slot in the bottom thereof through which the saw blade projects.

2,103,598

METALLIZING COMPOSITION FOR GLASS

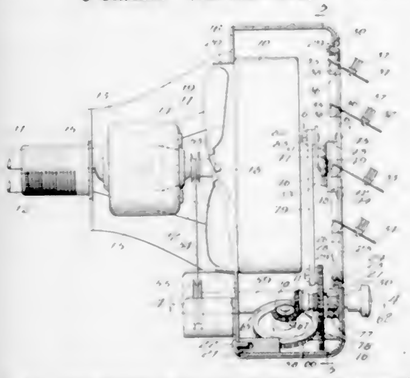
Rowland D. Smith, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Original application February 11, 1935, Serial No. 6,066. Divided and this application November 21, 1935, Serial No. 50,960
4 Claims. (Cl. 106—36.2)

1. A metallizing composition which contains an easily reducible metal and a flux comprising

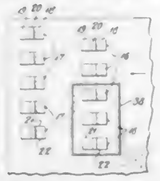
substantially equal parts of a borate and a fluoride of a metal of the group consisting of lead and barium.

2,103,599
AIR DISTRIBUTING MEANS
Philmore F. Sperry and Donald W. Lake, Chicago, Ill., assignors to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application April 18, 1936, Serial No. 75,125
6 Claims. (Cl. 230—274)



1. Air distributing means of the character described comprising, a housing member having an aperture therein, a frame journalled for rotation in said aperture, a plurality of shutters carried by said frame member and adjustable to control the air passage through said aperture, a crank arm on said frame, and power driven means for oscillating said crank arm, said power driven means comprising a motor, a worm driven by said motor, a train of gears driven by said worm and including a gear having a pivot pin eccentrically mounted thereon, and a link connecting said pivot pin with said crank arm.

2,103,600
SCOUR PREVENTION
John C. Stevens, Portland, Oreg.
Application December 21, 1935, Serial No. 55,668
9 Claims. (Cl. 61—18)



1. An hydraulic structure for controlling the flow of a liquid stream comprising a substantially horizontal apron and a plurality of baffle blocks arranged in rows thereon, the individual blocks in each row having faces sloping upstream and downstream respectively and being staggered with respect to the individual blocks in an adjacent row and each of the faces being in one plane extending transversely perpendicularly to the direction of flow of said stream.

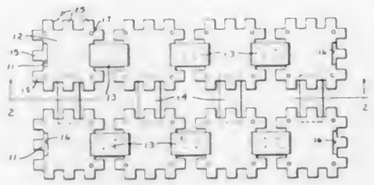
2,103,601
WITHDRAWABLE SUCKER ROD ASSEMBLY
William H. Stigall, Taft, Calif.
Application August 11, 1936, Serial No. 95,469
3 Claims. (Cl. 255—28)

1. In a structure of the class described, a sucker rod construction including a plurality of complemental sections joined by right hand screw-threaded joints, an upper coupling member carried on the lowermost section of said sucker rod construction and provided with an internal screw-threaded socket, the threads being left handed, a second longitudinally spaced axially alined lower coupling member in the form of a sleeve internally screw-threaded with right hand threads, a trip device comprising a rod having a screw-threaded head threaded into said sleeve, a jointing member between said upper and lower coupling members, said jointing member being longitudinally bored and having a threaded ex-



tension at its lower end, the threads of which are right handed and tapped into the right hand threads in said sleeve, said jointing member being provided at its upper end with a similar extension having left hand threads tapped into said correspondingly threaded socket, said upper coupler member being provided with a central bore and keyway, a reciprocatory spring-pressed latch member mounted in the bore in said jointing member and provided at its upper end with a cross-head normally connected with said jointing member, whereby to permit said parts to be separated automatically under predetermined rotative conditions.

2,103,602
FLUE STRUCTURE
Winton A. Ticknor, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application October 6, 1936, Serial No. 104,281
14 Claims. (Cl. 263—19)



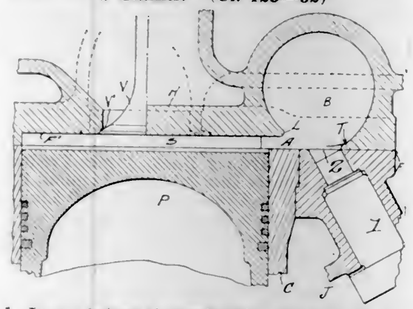
1. In a regenerative furnace flue structure, a plurality of refractory units piled one upon another to form checker columns, and means cooperative only with occasional units for tying the columns together in a definite spaced relation with respect to each other.

2,103,603
REMOVABLE LADDER STEP
Adolph Voigt, Miami, Fla.
Application October 24, 1936, Serial No. 107,453
2 Claims. (Cl. 228—60)



2. A removable ladder step having a substantially flat main body portion adapted to rest on the rung of a ladder and having cut away parts in its end portions adapted to receive the corresponding rail, the cut away part of each end portion having a pair of tongues for gripping the corresponding rail, said tongues being directed downwardly and toward each other so that they serve to maintain the face of the main body portion in a substantially horizontal position.

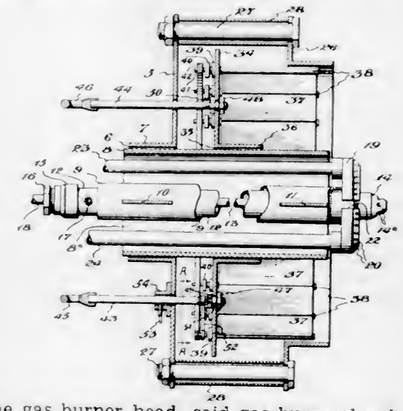
2,103,604
INTERNAL COMBUSTION ENGINE
Frank B. Yingling, Hamilton, Ohio, assignor to Cyrus J. Fitton, Hamilton, Ohio
Application June 19, 1936, Serial No. 86,174
2 Claims. (Cl. 123—32)



1. In an internal combustion engine, the combination with a cylinder and piston, of a removable engine-head closing the cylinder, said head having a recess in its under-face forming a space above the dead-center position of the piston, said head also having a precombustion chamber opening through said underface and a shallow passage having side walls flaring laterally from the chamber to the recess, the depressed face of said passage terminating in a lobe projecting partially over said chamber opening into the chamber, and said chamber having a charge-directing inner face terminating at said chamber opening opposite to the lobe.

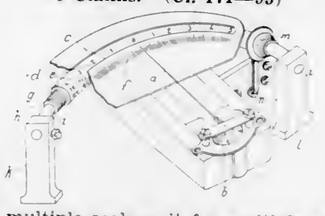
2,103,605
COMBINATION BURNER
John S. Zink, Tulsa, Okla.
Application January 11, 1937, Serial No. 120,073
7 Claims. (Cl. 158—11)

7. A combination oil and gas burner assembly comprising an outer tubular member, an inner tubular member extending through the outer tubular member and spaced from the latter by a substantially annular passageway, supporting means for the inner member secured to the outer member, oil conducting means having a portion extending through and projecting from the inner member, an oil burner head secured to the projecting end of said oil conducting means, a substantially annular gas burner head substantially surrounding said inner member and shaped to permit of its passage by said supporting means and by a portion of said oil conducting means, and gas conveying conduit means connected to



the gas burner head, said gas burner head and gas conveying conduit means being removable from the assembly while the oil burner head and said oil conducting means are in operation without disturbing the latter, and said oil conducting means and oil burner head being removable from the assembly while the gas burner is in operation without disturbing the latter.

2,103,606
MULTIRANGE INDICATING INSTRUMENT
Robert Abrahamsohn and Edmund Abrahamsohn, Berlin-Steglitz, Germany
Application July 16, 1936, Serial No. 90,987
In Germany September 6, 1935
9 Claims. (Cl. 171—95)

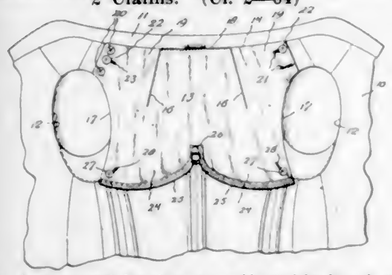


1. A multiple scale unit for multiple scale indicating instruments, comprising a stationary curved axial support, and a flexible tubular multiple scale carrier rotatable about the curved axis of the support, the multiple scales being borne by the said scale carrier.

2,103,607
METHOD OF PREVENTING CATERPILLAR INJURY TO EAR CORN
George W. Barber, New Haven, Conn., dedicated to the free use of the Public
No Drawing. Application September 15, 1936, Serial No. 100,860
1 Claim. (Cl. 47—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

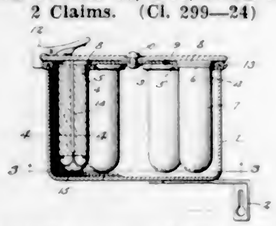
The method of protecting the ears of growing corn from insect attack, consisting of covering the silk end of the ear of corn with a substance that has been impregnated with a fumigant.

2,103,608
COMBINATION HOOD AND DOUBLE BACK FOR GARMENTS
Louis Blauer, Brookline, Mass.
Application June 12, 1936, Serial No. 84,965
2 Claims. (Cl. 2—84)



1. A garment having an adjustable hood, said hood comprising a sheet or material suspended from the inside neck portion of a garment and fitting snugly adjacent the inside of the back portion of said garment and extending substantially from the inner side of one arm hole of the garment to the other, said sheet further comprising two upper wing portions located inside the garment and terminating at the shoulders thereof providing short flaps adapted to be brought up under and secured in overlapped relation beneath the chin of the wearer when said sheet is in use as a hood, and means for securing said flaps in such overlapped relation.

2,103,609
CAR ODORIZER
Curtis E. Bradburn, Garden City, Kans., assignor to Harry L. Divine, Garden City, Kans.
Application October 15, 1936, Serial No. 105,816
2 Claims. (Cl. 299—24)

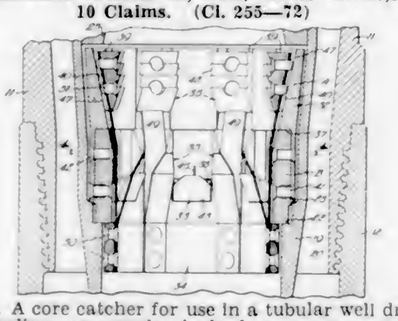


2. An odorizer including a head, a series of containers supported thereby and open at one end, a cover normally closing all of the containers and rotatably mounted on the head, said cover having an opening movable into or out of register with any one of the containers, an odorant in solid form supported in each container, a core seated in the odorant, and resilient means carried by the core for supporting the odorant on the core and for frictionally engaging the wall of its container to hold the odorant in a predetermined position.

2,103,610
ALLOY STEELS
William MacCormac Burden, Reginald Genders, and Reginald Harrison, Woolwich, London, England, assignors to Sofal Limited, London, England
No Drawing. Application December 21, 1936, Serial No. 117,092. In Great Britain April 30, 1935
4 Claims. (Cl. 148—31)

1. An article hardened in it marginal layers by nitrogenization, the article being made from an alloy consisting of iron, and containing carbon not substantially in excess of .2% and a proportion not exceeding 10% of at least one of the metals of the group consisting of tantalum, niobium in excess of any combined with carbon.

2,103,611
CORE CATCHER
Alfred C. Catland, Alhambra, and Philip C. Efromson, Whittier, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Application October 13, 1936, Serial No.105,370
10 Claims. (Cl. 255—72)

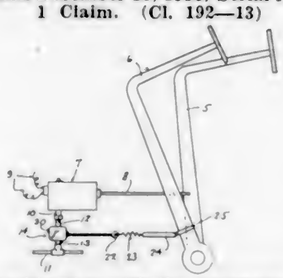


1. A core catcher for use in a tubular well drill including, an annular body for arrangement in the drill to move vertically therewith, a free ring below the body, slips connected with the ring and actuated into gripping engagement with the core by cooperation with the body, and pivoted core gripping dogs on the body.

2,103,612
TREATMENT OF CHOCOLATE
William Clayton, Sydney Back, James Frederick Morse, and Robert Ian Johnson, London, England, assignors to Crosse & Blackwell Limited, London, England, a British company
No Drawing. Application January 15, 1937, Serial No. 120,822. In Great Britain January 18, 1936
8 Claims. (Cl. 99—23)

1. Process of treating chocolate which consists in incorporating a small proportion of an oxidized mono-unsaturated disaturated glyceride.

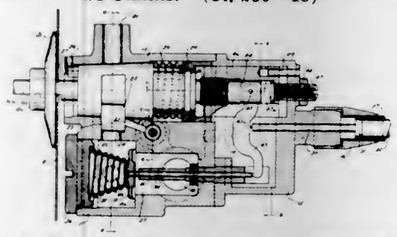
2,103,613
SAFETY BRAKE CONTROL
Otis Louis Dargis, Jr., Cincinnati, Ohio
Application December 15, 1936, Serial No. 116,012
1 Claim. (Cl. 192—13)



The combination with the compressor cylinder and piston of a hydraulic brake system, a brake pedal for operating the piston to effect compression in said cylinder, and a clutch pedal, of a

control valve interposed in the line of connection between the cylinder and brakes, said valve comprising a block-like casing having a through port therein for the passage of fluid therethrough from said cylinder and a by-pass therein including inlet and outlet ends communicating with said through port, a tensioned ball check normally closing the inlet end of said by-pass and means for closing and opening said through port under control of the clutch pedal and comprising a plunger slidable in said casing across said port and intermediate the by-pass ends into opening and closing positions, respectively, and tensioned for movement to closing position.

2,103,614
THERMOSTATIC VALVE
George J. Day, Buffalo, N. Y.
Application January 6, 1934, Serial No. 705,536
24 Claims. (Cl. 236—15)



3. A thermostatic fuel control comprising a casing, a valve in said casing, manual means to operate said valve, a second valve in the casing, a thermostat, mechanism within the casing comprising a lever whereby the thermostat actuates the second valve, mechanism within said casing and comprising the same lever whereby the setting of the manual means determines the temperature at which the first named mechanism actuates the second valve, and means operable without disturbing the manual means to adjust the temperature at which the thermostat actuates the second valve.

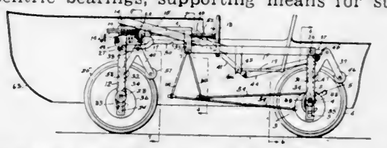
2,103,615
BUTTON OR THE LIKE
Paul E. Fenton, Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application February 10, 1937, Serial No. 124,970
3 Claims. (Cl. 40—20)



2. A button or the like of the top shell type, comprising a top shell and a body over which the shell is mounted, said shell having a design on the top thereof and a recess in the marginal portion of the shell bearing a definite relation to the design for registering the design with a button-attaching means.

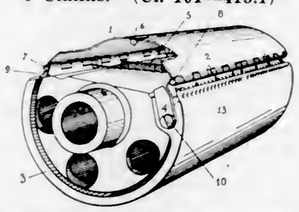
2,103,616
PERAMBULATOR
George W. Gartner, Houston, Tex.
Application November 1, 1935, Serial No. 47,756
11 Claims. (Cl. 280—223)

8. A vehicle comprising a framework, a front and rear axle, traction wheels fixed on one axle and a steering wheel fixed on the other axle, bearings concentrically mounted on the axles, bearings eccentrically mounted on the axles, supporting means for supporting the frame on the concentric bearings, supporting means for sup-



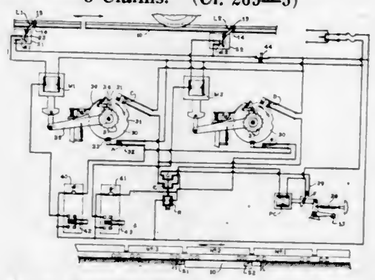
porting the frame on the eccentric bearings, and means for selectively shifting the respective supporting means into supporting, or non-supporting position.

2,103,617
STRETCHING BRIDGE FOR METAL SHEETS OF ROTARY PRINTING MACHINES
Erich Gericke, Berlin-Pankow, Germany, assignor to the firm Rotaprint Akt.-Ges., Berlin, Germany
Application January 12, 1937, Serial No. 120,236
In Germany January 14, 1936
9 Claims. (Cl. 101—415.1)



1. A device for stretching printing sheets on printing cylinders and covering the stretching gap in the cylinder, comprising in combination with a cylinder body forming a part of the periphery of the cylinder and having a stretching gap, a stretching bar fixed on said body on one side of said gap, a second stretching bar articulated on said body on the other side of said gap, and parts hingedly connected to both of said bars and at the same time bridging the gap.

2,103,618
COUPLED WEIGHING
Otto P. Haegele, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application July 26, 1935, Serial No. 33,306
8 Claims. (Cl. 265—5)



1. Apparatus for weighing cars in a coupled train comprising in combination a scale including a scale platform, a recorder adapted to record the weight of a car on the platform, entrance and exit switches adapted to be actuated respectively a predetermined number of times by

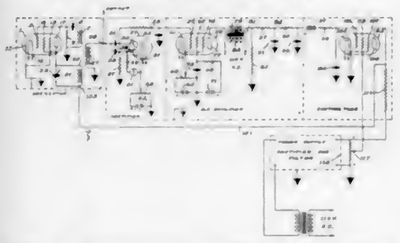
cars passing on and off the scale platform, counter mechanism for counting the number of actuations of said switches respectively, and recorder actuating mechanism controlled by said counter mechanism for operating said recorder when each of said switches have been actuated a predetermined number of times.

2,103,619

CONSTANT VOLTAGE GENERATOR

Clyde E. Hallmark, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1936, Serial No. 61,669
7 Claims. (Cl. 250—36)



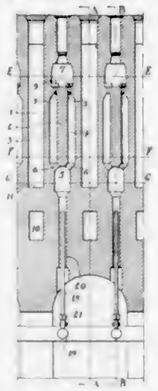
1. In a thermionic oscillator including an anode circuit, means for supplying a controlled anode potential to said anode circuit, means for deriving a biasing potential from said oscillator, means for amplifying about one hundred times said biasing potential, means for energizing said bias amplifying means by alternating current, a control tube including a grid circuit and an anode circuit, means for applying said amplified biasing potential to said grid circuit so that the anode potential of said control tube varies inversely with the output voltage of said oscillator, and a connection for supplying said controlled anode potential to said oscillator from the anode circuit of said control tube.

2,103,620

COKE OVEN

Gwynne Cellan-Jones, Linthorpe, Middlesbrough, England

Application November 9, 1936, Serial No. 109,817
In Great Britain November 20, 1935
20 Claims. (Cl. 202—151)



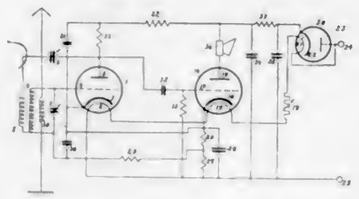
1. Coke ovens comprising a series of elongated retorts, heating units disposed between adjacent retorts, and means for carrying off gases from said units, each heating unit comprising two series of vertical flues, one series of vertical flues being disposed along one side of the heating unit and adjacent one retort, the other series of vertical flues being disposed along the other side of the heating unit and adjacent the other retort, a series of chambers disposed at the bottom of and communicating with the vertical flues, each chamber only communicating with vertical flues in one series thereof, supply passages by which combusted gases pass from suitable burners to the said chambers, an upper horizontal flue disposed above and communicating with both series of vertical flues, a lower horizontal waste gas flue disposed below the sole of the retort, and at least one flue connecting the upper and lower horizontal flues, each chamber being connected to a pair of adjacent vertical flues, successive chambers being connected to pairs of adjacent vertical flues in alternate series thereof, that is, at alternate sides of the heating unit, the communications between the vertical flues and the upper horizontal flue being damper controlled.

2,103,621

DEVICE EMPLOYING ELECTRONIC TUBES

Paul Kapteyn, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany

Application June 24, 1933, Serial No. 677,525
In Germany June 24, 1932
1 Claim. (Cl. 179—171)



An arrangement comprising a plurality of electron valves with anode, grid, and cathode, an input circuit, an output circuit, an anode current source, and means for coupling said valves with each other, the first of said valves having a high amplification factor of more than 30, the grid of said first valve connected over said input circuit with a resistance capacity combination for effecting a negative potential on this grid relative to the cathode of this valve, said resistance-capacity combination included in the anode circuit of the final power amplifier valve on the cathode side for producing a voltage drop forming said negative potential of the grid of said first valve equal to the quotient of the potential of said anode-current-source and the amplification factor of said first valve, said resistance capacity consisting of a resistance connected through a second resistance to the negative pole of the supply, a condenser being connected in parallel to said two resistances, the input circuit of said first valve connected to the connection point of said resistances.

2,103,622

SIDE TRACKING APPARATUS

Robert B. Kinzbach, Houston, Tex.

Application July 25, 1936, Serial No. 92,492
11 Claims. (Cl. 255—1)

1. Side tracking apparatus comprising a whip stock adapted to be located in a pipe in a well and having a tapering face, a milling tool, said face having a fixed boss and the tool having a guide



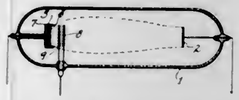
arranged to slidably engage the boss to move the tool laterally as the tool is moved downwardly.

2,103,623

ELECTRON DISCHARGE DEVICE FOR ELECTRONICALLY BOMBARDING MATERIALS

Hermann Kott, New York, N. Y., assignor, by mesne assignments, to Ion Corporation, Short Hills, N. J., a corporation of New Jersey

Application September 20, 1933, Serial No. 690,174
6 Claims. (Cl. 250—27.5)



1. The method of electrically disintegrating and projecting deposits of material which comprises disposing the said material adjacent the electron emitting surface of a cathode but electrically insulated therefrom, confining said material and cathode to direct any gaseous conduction discharge through the material to and from the said surface, disposing an anode rearwardly of said cathode surface, enclosing said cathode and anode from the atmosphere introducing in said enclosure a reduced pressure of ionizable gases substantially inert towards said material, establishing a gaseous conduction discharge between said cathode and anode, and impressing a voltage to said discharge adapted to effect a disintegration of said material through bombardment by positive and negative ions of said discharge and a projection of the disintegrated particles outwardly from the said cathode surface.

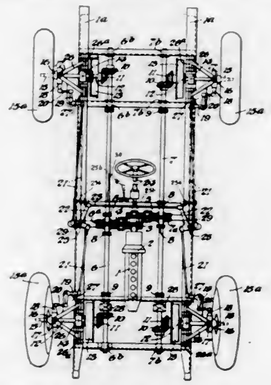
2,103,624

MOTOR ROAD VEHICLE

Hugh Lewis Pingo Lester, Greens Norton, Towcester, England

Application May 25, 1936, Serial No. 81,743
In Great Britain April 16, 1936
4 Claims. (Cl. 180—50)

1. In a motor road vehicle, a main frame, two pairs of driven road wheels, four live axles carrying said wheels, longitudinal shafts carried by said frame, gear wheels on the ends of said shafts meshing with gear wheels on said axles, joints in said axles dividing each of them into two parts, one being mounted in fixed bearings on the frame and the other providing independent shock absorbing movements of the outer ends of the axles relatively to the vehicle frame and said shafts, stub axles pivoted to the outer ends of



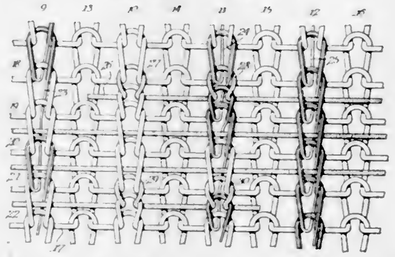
said live axles, steering means connected to said stub axles, an engine disposed between said shafts, a differential gear at one end of and driven by said engine, and gearing connecting said differential gear to both of said shafts.

2,103,625

HOSIERY

William J. Longtin, Reading, Pa., assignor to Infant Socks Company, Reading, Pa., a corporation of Delaware

Application July 19, 1934, Serial No. 736,087
7 Claims. (Cl. 66—172)



6. A rib knitted ground fabric made up entirely of wales and courses of textile yarn stitches and a rubber yarn incorporated in and extending coursewise of said ground fabric, an end portion of the rubber yarn being interknitted by means of one or more single yarn stitches with the body stitches.

2,103,626

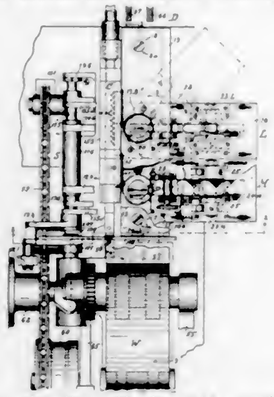
CIGAR LABELING AND WRAPPING MACHINE

Francis X. Malocsay, Upper Saddle River, N. J., assignor to International Banding Machine Company, a corporation of New York

Application January 24, 1935, Serial No. 3,215
13 Claims. (Cl. 216—21)

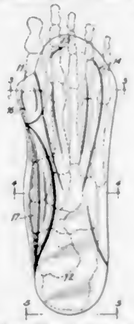
2. In a wrapping and labeling machine of the class described, comprising a reel for carrying a roll of labels, a reciprocating conveyor adapted to carry a cigar wrapper across the path of the unwound end of said roll, mechanical means cooperatively connected with and actuated by the reciprocating conveyor to intermit-

tently feed predetermined lengths of said roll toward and across the wrapper, and cooperating



means to fixedly attach said predetermined lengths to said wrapper.

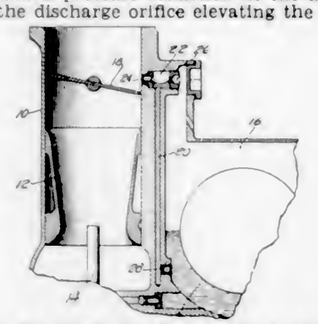
2,103,627
ARCH SUPPORT
August Mirenta, Tacoma, Wash.
Application April 9, 1935, Serial No. 15,364
10 Claims. (Cl. 36—71)



1. A support for the human foot comprising a flexible insole provided with an elongated pad adapted to support the anterior metatarsal arch, said pad beginning at a point substantially at the location of the cuneiform bones of the foot and gradually increasing in thickness therefrom until it reaches its greatest thickness substantially at the articulation of the phalanges with the metatarsal boneheads.

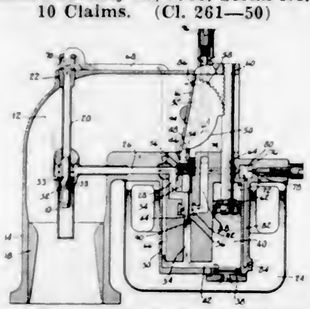
2,103,628
METHOD OF SUPPLYING FUEL FOR ENGINE IDLING
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application March 17, 1932, Serial No. 599,420
3 Claims. (Cl. 261—75)

1. Process of supplying charges for internal combustion engines comprising causing air to sweep over a concave meniscus of fuel, and drawing the resulting mixture through a highly constricted orifice subjected at the posterior side to the pressure reduction in the intake at the engine side of the throttle, the quantity of air introduced being such as to produce at high depressions a pressure reduction at the anterior side of the discharge orifice elevating the fuel to



maintain the meniscus at a level in proximity to the air stream passing to said discharge orifice.

2,103,629
ANTERIOR THROTTLE CARBURETOR
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application February 10, 1933, Serial No. 656,058
10 Claims. (Cl. 261—50)



8. In apparatus for supplying and proportioning charges for internal combustion engines comprising an intake, a throttle therein, a float chamber, means partially submerged in the float chamber fuel for conducting primary air into the intake at the engine side of the throttle, said submerged portion filling with fuel to close off the primary air at low depression, a fuel metering orifice opening into the submerged portion of said primary air conducting means, and having a variable pressure differential thereon attenuated by the primary air, cam means operated adjunctively to throttling for producing at various throttle positions metering orifice areas coordinated with the pressure differential effective on the orifice for producing desired mixture ratios, said orifice areas being proportional to the amount of primary air admitted for reducing frictional coefficients in the orifice.

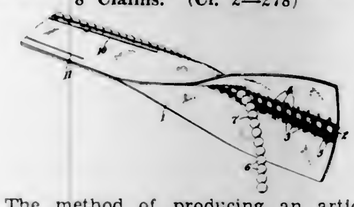
10. In apparatus for supplying and proportioning charges for internal combustion engines comprising an intake, a throttle therein, a constant level float chamber, means for conducting fuel and controlling the flow thereof from said constant level float chamber into the intake, a fuel pump operated upon opening movement of the throttle, a by-pass extending upwardly from said fuel pump into the intake at the engine side of the throttle, and means for controlling the suction in said by-pass to retain the same substantially primed with fuel for immediate discharge of fuel into the intake upon actuation of said pump.

2,103,630
CLEAT
Paul Gerard Morin, Apponaug, R. I.
Application August 1, 1934, Serial No. 737,922
5 Claims. (Cl. 114—101)



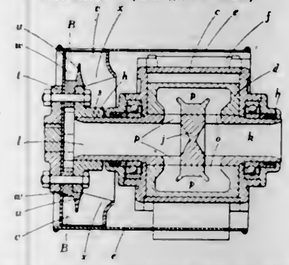
1. Cord securing means comprising a base, a plate, means for spacing said plate from said base, an inclined projection on the under side of said plate affording varying distances between it and said base for clamping a rope by lateral movement thereunder, and ribs on said base at either side of said projection for causing a rope placed under said projection to be disposed in a sinuous path.

2,103,631
BEADED EDGED ARTICLE AND METHOD
Walter Myers, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 21, 1935, Serial No. 55,538
8 Claims. (Cl. 2—278)



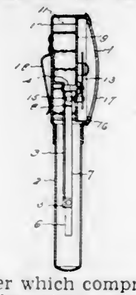
1. The method of producing an article of manufacture having an ornamental edge-finish, comprising, providing in a body material a row of spaced apart bars of the body material with intervening apertures, doubling said body material about a bead-string disposed along the line of said apertures, causing successive beads of said bead-string to protrude through successive apertures of said body material, and securing the overlying plies of the doubled body material adjacent to the fold-edge thereof.

2,103,632
COOLING SYSTEM FOR ROTARY MACHINES
Thomas Winter Nichols, London, England, assignor of one-half to Tilghman's Patent Sand Blast Company, Limited, Broadheath, near Manchester, England
Application January 31, 1936, Serial No. 61,651
In Great Britain February 6, 1935
7 Claims. (Cl. 230—210)



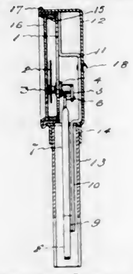
1. A rotary pump or compressor of the eccentric type, including a stator, a housing surrounding said stator and defining a cooling chamber around said stator, a hollow shaft, a hollow rotor carried by said shaft and rotatable in said stator, inlet and outlet passages for providing communication between the interior of said shaft and said rotor whereby a cooling passage is provided through said shaft and rotor, and rotatable means carried on said shaft outside said stator and inside said housing, said means including a dual fan having sets of blades coaxial with said shaft and cooperating respectively with said cooling chamber and the interior of said shaft for urging parallel currents of cooling fluid respectively through said cooling chamber and through said passage in said shaft and rotor.

2,103,633
THERMOMETER
Frederick A. Nodine, Terryville, Conn., assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn., a corporation of Connecticut
Application March 19, 1937, Serial No. 131,827
1 Claim. (Cl. 73—365)



A thermometer which comprises a cup-shaped casing, a tubular stem extending from and opening into the casing, a rigid plate with one end attached to the back wall of said cup and its other end extending into said stem and having an integral outwardly bent lug, a short U-shaped thermo-responsive strip with one end attached to said lug, an arm extending from the free end of said strip through the stem and terminating in a loop in the casing, a dial with temperature indicia mounted in said casing, an oscillatory pointer movable over the dial, and a stud projecting from said pointer into the loop in the end of said arm.

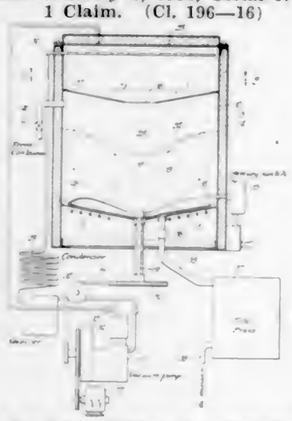
2,103,634
THERMOMETER
Frederick A. Nodine, Terryville, Conn., assignor to The Cooper Oven Thermometer Company, Pequabuck, Conn., a corporation of Connecticut
Application July 2, 1937, Serial No. 151,592
5 Claims. (Cl. 73—365)



3. A thermometer comprising a dial with temperature indicia, an arbor extending through and

rotatably supported by the dial, a pointer attached to said arbor in front of the dial, an arm attached to said arbor in back of the dial, a strip with its upper end secured to the back of the dial, an end of a thermo-responsive ribbon secured to the lower end of said strip, a finger with one end attached to the free end of said ribbon, means connecting the other end of said finger with said arm on the pointer arbor, a casing enclosing said dial and pointer, and a tubular stem extending from said casing and protecting said thermo-responsive strip.

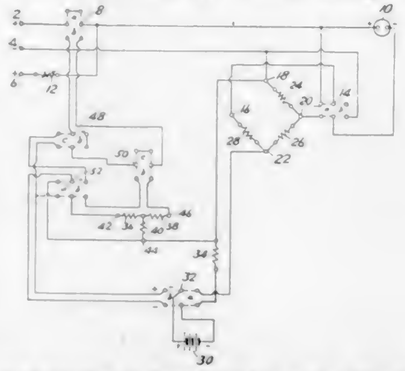
2,103,635
APPARATUS FOR PURIFYING OIL
De Witt H. Palmer, Elkhart, Ind.
Application January 2, 1934, Serial No. 704,934
1 Claim. (Cl. 196—16)



Apparatus for purifying oil comprising in combination a closed vessel for heating batches of oil with a purifying agent, said vessel being substantially deeper than the level of a batch of oil, means for heating the oil to a temperature above the boiling point of water, an agitator for keeping the purifying substance in suspension in said oil, a baffle across the vessel substantially above the oil level and substantially below the top of the vessel, said baffle having a relatively small opening therein to cause the foam formed on heating the oil to spread slowly over the baffle so as to break up the bubbles of foam and being inclined slightly to cause the liberated oil to flow back into said vessel, a condenser connected to said vessel, said baffle being otherwise imperforate except for small openings adjacent its upper edge to allow the escape of trapped vapors, and a vacuum pump for drawing off the distillate into a condenser and for maintaining the oil at sub-atmospheric pressure during the heating process.

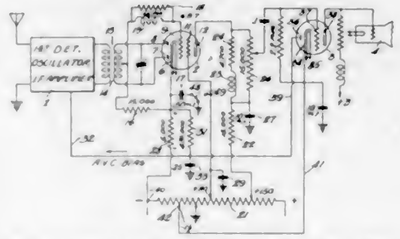
2,103,636
ELECTRICAL MEASURING METHOD AND APPARATUS
John M. Pearson, Aldan, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application March 7, 1935, Serial No. 9,906
12 Claims. (Cl. 175—183)

1. The method of measuring current flowing in a portion of a low resistance conductor such as a buried pipe line, or the like, by the use of a meter of known resistance adapted to be connected across said portion by leads making contacts with the conductor, including adjusting the external circuit of the meter, including the leads, said portion of the conductor, and contacts, to attain a predetermined resistance thereof, connecting the meter to take current through the



leads following such adjustment, and, while the meter is so connected, varying the current through said portion of the conductor by a known amount.

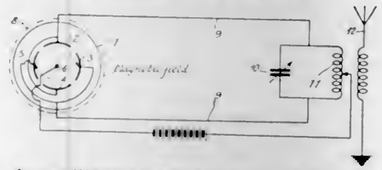
2,103,637
AUTOMATIC VOLUME CONTROL CIRCUIT
Waldemar J. Poch, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 25, 1936, Serial No. 92,497
10 Claims. (Cl. 250—20)



1. In combination, an amplifier, the gain of which is to be controlled, an electric discharge tube having a cathode, a control grid and an anode, means for rectifying the output of said amplifier and for impressing the resulting signal and direct current component across said cathode and control grid for amplification by said tube whereby the direct current component of the plate current of said tube is decreased in response to an increase in signal strength, a power supply unit having negative and positive terminals and having an intermediate point connected to ground, said cathode being connected to said negative terminal through a cathode resistor, said anode being connected to said positive terminal through an output impedance unit, a conductive connection from a control point on said cathode resistor to said amplifier for controlling its gain, said tube and its associated circuit being so adjusted that said control point is slightly positive when there is no signal supplied by said amplifier, and a rectifier connected between a point on said cathode resistor having at least approximately the same potential as said control point and a point on said power supply unit which is less positive with respect to ground than said control point, said rectifier being connected in such direction

that current flows therethrough when said control point is positive a certain amount with respect to ground.

2,103,638
OSCILLATION GENERATOR
Klaas Posthumus, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application July 25, 1934, Serial No. 736,859
In the Netherlands September 6, 1933
2 Claims. (Cl. 250—36)



1. An oscillation generator comprising an electron tube having an electron emissive cathode, a plurality of anode sections surrounding said cathode all within an evacuated envelope, and means for producing a magnetic field surrounding said electrodes, comprising two pairs of oppositely disposed anode segments in the form of arcuate segments on a circle, opposite segments of each pair being connected together, in combination with a tunable oscillatory circuit comprising an inductance and a condenser in parallel, a connection from one terminal of said oscillatory circuit to one pair of segments, and a connection from the other terminal of said oscillatory circuit to the other pair of segments, a connection from a point intermediate the ends of said inductance including a source of potential to said cathode, and a utilization circuit coupled to said inductance.

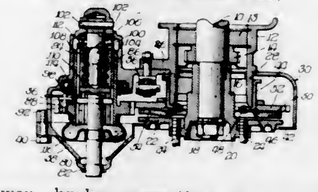
2,103,639
PRECIPITATION OR SETTING OF HYDROXY-CELLULOSE ETHERS FROM ALKALINE AQUEOUS SOLUTIONS
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application February 9, 1934, Serial No. 710,562
5 Claims. (Cl. 18—54)

1. In the precipitation of the hydroxy-cellulose ethers from alkaline aqueous solutions in the form of films, filaments, and the like, that step which comprises causing such precipitation through the reaction of sulphur dioxide admixed with steam on such solution, thereby developing substantially only completely water-soluble sulphite as the reaction product of the sulphur dioxide while the sulphur dioxide is exercising a bleaching action.

2,103,640
PAPER MANUFACTURE
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application March 30, 1935, Serial No. 13,989
4 Claims. (Cl. 91—68)

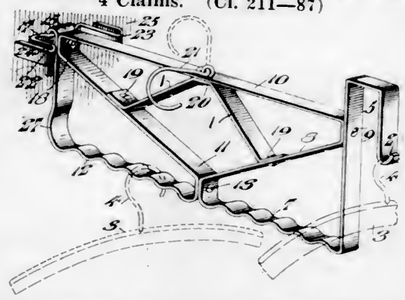
3. A method of producing a water-absorbing paper product of high wet-strength, which comprises impregnating a highly porous paper body substantially uniformly throughout with a dilute organic solvent solution of a water-repellent cellulose ester in such amount as to incorporate into said body about 0.5% to 2.0% of said cellulose ester, based on the dry weight of said paper body, and removing the organic solvent from the impregnated paper body and depositing said cellulose ester therein from solution in an attenuated and discontinuous film such that water brought into contact with the resulting paper product spreads by capillary action to the bodies of the fibers as well as entering the pores and interstices in said paper body.

2,103,641
POWER BRAKE SYSTEM
Edward A. Rockwell, Chicago, Ill., assignor, by mesne assignments, to General Auto Parts Corporation, a corporation of Delaware
Application July 21, 1933, Serial No. 681,483
24 Claims. (Cl. 188—140)



1. Power brake operating mechanism for motor vehicles including a control unit concentrically positioned with respect to the propeller shaft of the vehicle and actuator means offset with respect to the propeller shaft, said control unit comprising a clutch element fixed to and rotatable with the propeller shaft, a second normally stationary clutch element concentrically positioned with respect to the first-mentioned clutch element, input means for bringing said clutch elements into engagement, said offset actuator means comprising a driving member coupled to said second clutch element and rotatable in either direction dependent upon the direction of rotation of the propeller shaft, a reciprocable output member and means for transmitting brake actuating movement to said output member in the same direction from said driving member regardless of the direction of rotation thereof.

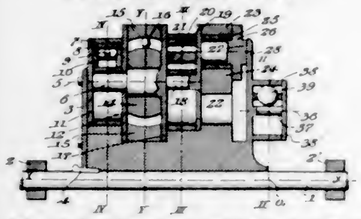
2,103,642
MULTIPLE MASTER HANGER
Robert Roller, Haddonfield, N. J.
Application April 27, 1936, Serial No. 76,641
4 Claims. (Cl. 211—87)



1. A device of the character stated comprising, in combination, a bracket adapted to be secured to a support and having recesses formed therein at an angle to each other, a master hanger having one end thereof deflected to engage one of

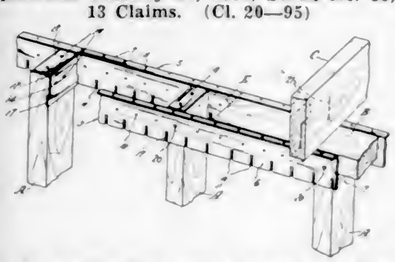
said recesses when said hanger is parallel to said support and the other of said recesses when said hanger is at an angle to said support, and the other end thereof deflected to engage the upper edge of a door or the like for temporarily supporting said master hanger when the same is not supported by said bracket.

2,103,643
DEVICE ADAPTED TO ELIMINATE OSCILLATIONS
François Marie Michel Bernard Salomon, Paris, France
Application March 31, 1933, Serial No. 663,866
In France April 7, 1932
22 Claims. (Cl. 74—574)



18. Means for damping oscillations in a rotatable shaft comprising a part fixed to and rotatable with said shaft, said part being provided with at least one arcuate guideway the center of curvature of which is eccentric to the axis of rotation of said shaft, and a structurally integral damping mass freely movable substantially frictionlessly along said guideway in the direction of and in response to shaft vibrations, and in response to centrifugal force.

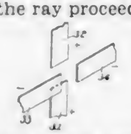
2,103,644
BUILDING STRUCTURE OR TIE
Robert M. Schaffer, St. Louis, Mo.
Application January 17, 1936, Serial No. 59,534
13 Claims. (Cl. 20—95)



1. In combination with a series of wall studs as set up vertically in spaced relation, hangers secured atop the studs, and tie bars supported upon the hangers laterally of the studs.

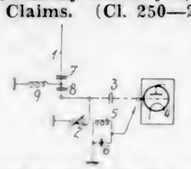
2,103,645
BRAUN TUBE
Kurt Schlesinger, Berlin, Germany
Application December 14, 1933, Serial No. 702,314
In Germany December 20, 1932
3 Claims. (Cl. 250—27.5)

3. A Braun tube comprising a cathode, an anode, electrodes for controlling the intensity of the ray, electrodes for concentrating the ray, a picture receiving screen, at least one deflecting electrodes system mounted between said anode and said screen for applying scanning deflections to the ray, and at least one electrode incorporated between the deflecting electrodes of at least one of said deflecting electrodes systems to produce electro-static fields for causing the cross-section of the ray proceeding to said screen



to assume a constant shape other than that which the cross-section of the ray possesses when projecting from said anode, and means for connecting all of said electrodes with the respective operating voltages.

2,103,646
RECEIVING AERIAL FOR ULTRASHORT WAVES
Kurt Schlesinger, Berlin, Germany
Application January 7, 1935, Serial No. 724
In Germany January 9, 1934
9 Claims. (Cl. 250—20)



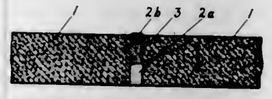
1. In an ultra-short wave receiver an antenna circuit being equivalent to an aerial wire the length of which is one-quarter or a multiple of one quarter of the received wave length, said antenna circuit consisting of an aerial wire being a little shorter than said multiple of one quarter of the received wave length, an adequate earthing arrangement and an adjustable inductance between said aerial wire and said earthing arrangement for tuning the whole antenna circuit to resonance with said multiple of the wave length to be received, said inductance being coupled with a receiving apparatus.

2,103,647
PREPARATION OF NITROCELLULOSE
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application July 31, 1935, Serial No. 34,052
5 Claims. (Cl. 260—146)

1. In a process of producing with high yield a nitrocellulose product of low solution viscosity from cellulose fiber in shredded condition, that practice which comprises first treating the cellulose fiber in interfelted sheet form with a reagent that effects a marked lowering of the solution viscosity of the cellulose and shortens the fiber units while leaving them in the sheet, shredding the sheet to produce shredded stock of high bulkiness containing substantially all the short and fine fibers developed by the initial viscosity-lowering treatment, and nitrating the shredded stock containing such short and fine fibers to produce with high yield a nitrocellulose product of low solution viscosity.

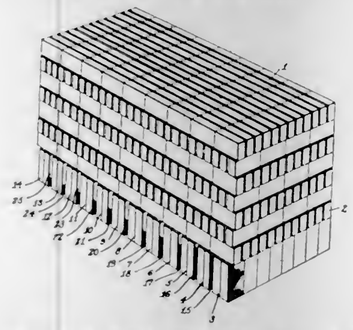
2,103,648
METHOD OF SEALING EXPANSION JOINTS
Walter O. Snelling, Allentown, Pa.
Application February 3, 1934, Serial No. 709,555
11 Claims. (Cl. 94—18)

1. The method of sealing pavement joints which comprises placing within the open space defining such joints a product obtained by heating a solid vulcanized material to a temperature sufficient to decompose a substantial portion of the solid material into highly adhesive and cohesive liquid



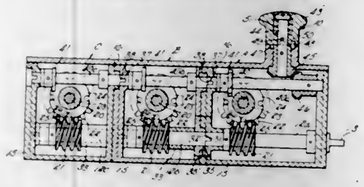
and semisolid-decomposition products, differing in both their chemical composition and in their physical characteristics from the initial vulcanized material.

2,103,649
METHOD OF BRICK HACKING FOR UNIT HANDLING
William J. Sullivan, Chicago, Ill., assignor of one-half to Cyril P. Mertens, Chicago, Ill.
Application November 5, 1936, Serial No. 109,243
1 Claim. (Cl. 214—152)



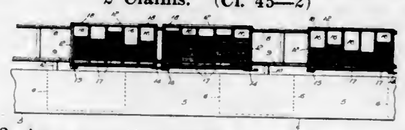
A unit brick stack built with spaced finger courses and formed with pairs of brick up-ended to automatically compensate for the expansion of pallets on which the brick rest and the shrinking of the brick when both are subjected to the heat of drying.

2,103,650
COUNTER FOR MACHINES
Harvey L. Spaunburg, West Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application January 23, 1937, Serial No. 121,941
17 Claims. (Cl. 235—110)



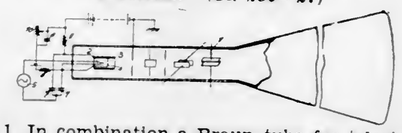
1. In combination, a plurality of separable counter units arranged in abutting relation; each unit including a casing, a counter device within each casing and having numeral members, a sectional drive member journalled in each casing, and a breakable connection within each casing between the drive member and the counter device therein; means for securing said casings together in abutting relation, and means for selectively shifting said breakable connections into and out of operative engagement and including a manually operable member common to all of said breakable connections.

2,103,651
ACCOUNTING SYSTEM
Lester C. Thomas, Denver, Colo.
Application December 1, 1936, Serial No. 113,642
2 Claims. (Cl. 45—2)



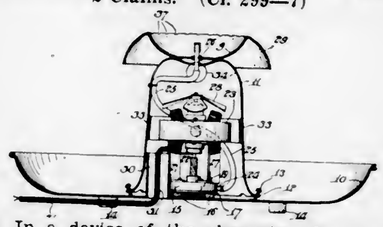
2. An accounting system comprising a track, carriages separately movable on the track, means for connecting the carriages end to end in a train for conjoint movement along the track, card-holding files removably fitted on the carriages, record-bearing cards systematically positioned in the files, and a desk-like surface connected with the track and positioned therealong to support individual cards for making entries thereon.

2,103,652
INTENSITY CONTROL SYSTEM FOR CATHODE RAY BEAMS
Manfred von Ardenne, Berlin, Germany
Application October 24, 1936, Serial No. 107,467
In Germany October 25, 1932
3 Claims. (Cl. 250—27)



1. In combination a Braun tube for television purposes comprising means including a cathode for producing a cathode beam, a Wehnelt cylinder surrounding said cathode, and a perforated plate mounted inside said Wehnelt cylinder, means to supply said Wehnelt cylinder with an adapted initial potential and means for supplying both said Wehnelt cylinder and said perforated plate with a control voltage to control the intensity of said cathode beam.

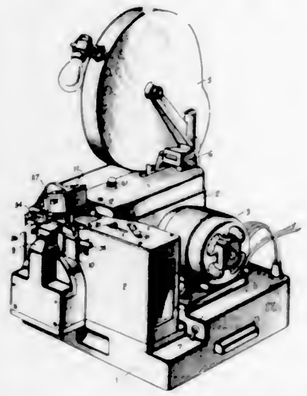
2,103,653
PORTABLE FOUNTAIN
Lewis P. Weil, Philadelphia, Pa.
Application April 8, 1936, Serial No. 73,288
2 Claims. (Cl. 299—7)



1. In a device of the character described, a shallow vessel having an upturned rim, a pumping unit comprising a pump and a motor secured to and supported by the pump, the pump provided with supporting feet adapted to rest loosely upon the bottom of the vessel, a housing for enclosing the pump unit, having a smaller vessel secured directly to and supported by the housing,

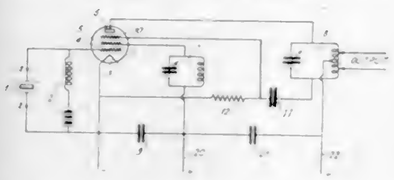
said housing also adapted to rest loosely upon the bottom of the first mentioned vessel, the housing provided with air discharge ports near the top thereof, and an air duct extending upwardly to one side of the pump and delivering beneath the motor.

2,103,654
MACHINE FOR ATTACHING PRICE TAGS
Joseph Weimont, Bogota, and Frank A. Hazard, Elizabeth, N. J., assignors to A. Kimball Company, New York, N. Y., a corporation of New York
Application May 21, 1936, Serial No. 80,928
13 Claims. (Cl. 93—88)



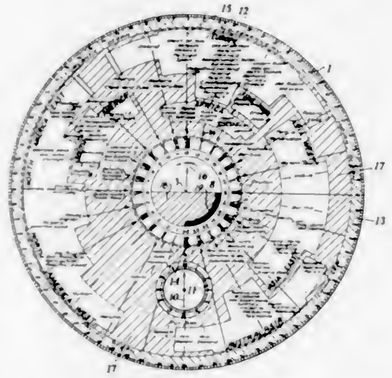
1. In a machine for attaching tags having a tab therein, in combination, a platen having a printing surface, an anvil having an attaching surface, said surfaces being offset from one another, means for receiving a tag from said printing surface and carrying the same to said attaching surface, and means for advancing said tag along said attaching surface while held in the said receiving means.

2,103,655
OSCILLATION GENERATOR
James N. Whitaker, Tuckahoe, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 18, 1933, Serial No. 694,016
9 Claims. (Cl. 250—36)



1. A generator comprising an electron discharge tube having an anode, a cathode, a first grid, a second grid and a third grid, a primary oscillation generating means including a piezoelectric crystal and a tuned circuit regeneratively connecting together said cathode, first grid and second grid, said tuned circuit being tuned to the crystal frequency, a secondary oscillation generating means including a biasing device interposed between the third grid and the cathode and including a tuned circuit regeneratively connecting together said third grid, anode and cathode and means operative by virtue of the coupling action of the electron stream between the second and third grids for maintaining the oscillations of the secondary generating means in step with those of the primary generating means.

2,103,656
CHRONOLOGICAL DEVICE
John Henry Willis, Norwich, England
Application July 25, 1934, Serial No. 736,829
In Great Britain June 14, 1934
8 Claims. (Cl. 58—43)



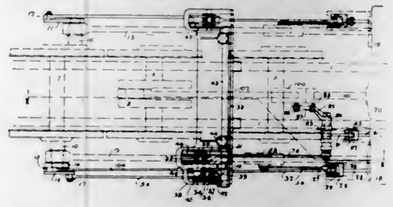
5. A chronological device as specified in claim 2 in which the primary dial member is provided with a gear and the graduations of the supplementary chart correspond to minutes divisions of the hour and the supplementary member is operatively connected with the primary dial member so as to revolve against the said minutes divisions, the said supplementary member being pivoted to revolve about a center different from the center of revolution of the primary dial member, the operative connections of the supplementary member comprising a single gear meshing with the said gear of the primary dial, and the said supplementary member extending across the entire diameter of the supplementary chart, whereby, when one end of the supplementary member shows minutes past the hours of places observing the said adopted times, its reverse end will show simultaneously the minutes past the hours of places observing intermediate times.

2,103,657
ORGANIC MERCURY COMPOUNDS
Carl N. Andersen, Wellesley Hills, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application October 16, 1935, Serial No. 45,320
20 Claims. (Cl. 260—13)

1. A new organic mercury compound having the general formula $(RHg)_xR_1$, in which R represents an aromatic structure to a carbon atom of which the mercury is directly attached, and in which none of the carbon atoms has direct linkage with any element other than hydrogen, carbon and mercury; in which R_1 represents a halogen nuclear substituted aromatic acid radical which is linked to the RHg group through the

replacement of an acidic hydrogen atom and in which x represents the number of RHg groups in the compound and is an integer representing the number of acidic hydrogen atoms in the acid.

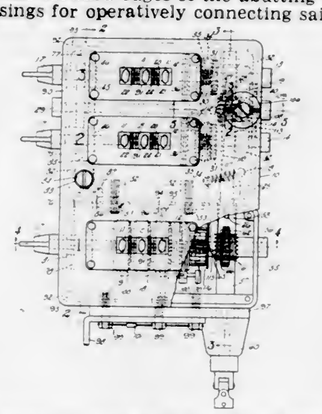
2,103,658
VALVE GEAR FOR THREE-CYLINDER LOCOMOTIVES
Everett W. Blanchard, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application November 14, 1936, Serial No. 110,845
5 Claims. (Cl. 121—116)



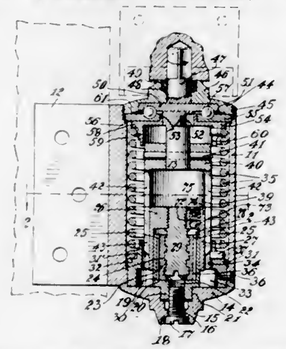
1. In valve gear for two cylinders of a locomotive, a bracket having two vertical openings spaced from each other by a bridge, said bracket having means disposed inwardly of said openings for securing it to the main frame of said locomotive whereby said openings and said bridge will be disposed in a direction longitudinally of said locomotive and laterally outward beyond the same side of said main frame, said bracket being provided with a pair of bearings having the axis thereof crossing one of said openings in a direction transversely thereof and having one of its bearings extending across said bridge and its other bearing disposed in said bracket at the opposite side of said one of said openings, a reversing link extending in a vertical direction through said opening between said bearings and having trunnions mounted in said bearings, another pair of bearings, spaced in a longitudinal direction from said first mentioned pair of bearings, having the axis thereof crossing the other of said openings in a direction transversely thereof and having one of its bearings extending across said bridge and its other bearing disposed in said bracket on the opposite side of said other of said openings, and another reversing link extending in a vertical direction through said other of said openings and having trunnions mounted in said last mentioned pair of bearings.

2,103,659
MULTIPLEX COUNTING MACHINE
Harvey N. Bliss, West Hartford, and Edward Wild and William L. Tancred, Hartford, Conn., assignors to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Application February 20, 1936, Serial No. 64,846
11 Claims. (Cl. 235—110)

1. In combination, a plurality of counter units arranged in abutting relation, each unit including a casing, a counter device within the casing and having numeral members, a sectional drive member journalled in the casing, and a breakable connection between said drive member and the counter device; means for securing said casings together with adjacent walls in abutting relation; a cover for said casings; and means for selectively shifting said breakable connections into and out of operation and including manually operable means carried by said cover and a shift member supported by said cover and extending across the forward edges of the abutting walls of the casings for operatively connecting said manually operable means with one of said breakable connections.



2,103,660
DOOR CHECK AND CLOSER
Emil Bommer, Brooklyn, N. Y.; Gustav Bommer, John F. Voelkel, and Charles F. Gehrmann executors of said Emil Bommer, deceased
Application December 26, 1934, Serial No. 759,170
5 Claims. (Cl. 16—50)

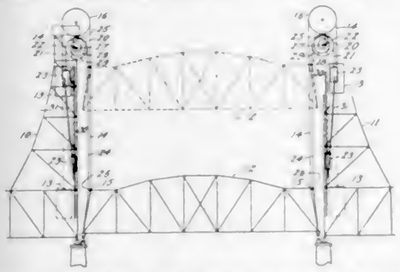


1. A door check and closer comprising a fixed casing, a rotatable door-engaging spindle, a connecter within the casing fastened to the spindle to turn therewith, a two-part dashpot forming a checking fluid chamber within the casing comprising a telescoping piston and stationary element fixed to the casing and connected to cause axial movement of the piston on the turning movement thereof, and a sliding connection between said connecter and piston to cause turning of the piston with the turning of the spindle in either direction and permitting axial movement of the piston in either direction as a part forming with the stationary element the checking liquid chamber.

2,103,661
COUNTERBALANCING MECHANISM FOR LIFT BRIDGES
Thomas E. Brown, Jr., Tuxedo, N. Y.
Application March 14, 1934, Serial No. 715,458
6 Claims. (Cl. 14—42)

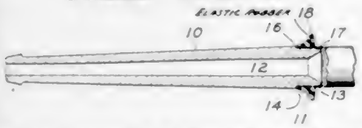
6. Counterbalancing apparatus for vertical lift bridges and the like comprising a rising part

which moves upward in a straight line, said counterbalancing apparatus comprising a plurality of counterweights, a drum supporting one of said counterweights, a sheave supporting another of said counterweights, flexible connections interconnecting the counterweights, the rising part, the sheave and the drum and in all positions of the rising part substantially vertically disposed, an axle supporting said drum, a spiral groove



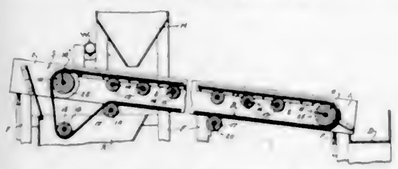
provided in said drum, said groove having a substantial varying lever arm about said axle throughout its operable portion, one of said flexible connections running in said groove, and said counterweights being so proportioned in relation to the lever arms of said groove as to maintain a substantially exact balance of said rising part, said counterweights and said flexible connections in all their positions.

2,103,662
CIGARETTE HOLDER
Elbert Orson Brower, Philadelphia, Pa.
Application November 23, 1934, Serial No. 754,452
3 Claims. (Cl. 131—10)



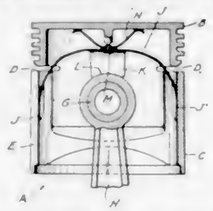
1. A stem having a shoulder near one end and an elastic band under tension on said stem, said band having a position of rest on either side of said shoulder, between which extreme positions the band is manually movable by rolling the same about one of its marginal edges and thereby causing it to pass thru an intermediate condition of greater tension, and in one of which positions of rest the band is adapted to clamp an end of a cigarette wrapper thereunder.

2,103,663
MEANS FOR CONCENTRATING MINERALS
Edward S. Curtis, Los Angeles, Calif.
Application January 7, 1935, Serial No. 621
4 Claims. (Cl. 209—430)



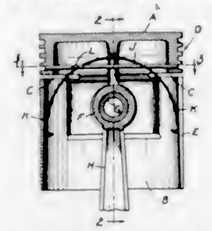
1. An apparatus for recovering minerals from ore comprising an inclined support, a flexible bed carried by said inclined support and having a relatively resilient surface, means holding the side marginal edge portions of said flexible bed in an upturned position to define a relatively shallow water-tight inclined trough substantially U-shaped in cross-section, a riffle positioned in said inclined trough, said riffle having a plurality of transverse and horizontal strips of thin cross-section embedded in the resilient surface of said bed and defining relatively shallow pockets, said strips being embedded in said resilient surface to form a seal and prevent underflow of material between adjacent pockets, said riffle extending transversely of said bed to the upturned side marginal portions thereof, and means for feeding finely divided ore and water to the upper portion of said inclined bed.

2,103,664
PISTON EXPANDER
Dallas M. Smith, Kirkwood, Mo.
Application March 25, 1937, Serial No. 133,053
6 Claims. (Cl. 309—12)



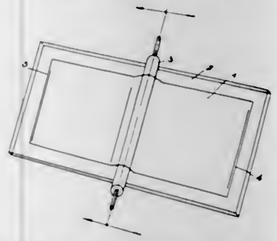
6. A piston expander comprising a U-shaped member arranged to engage and expand the skirt of a piston at substantially diametrically opposed points, said member extending across the hollow interior of the piston above the pin bosses thereof, a pair of parts formed integral with said member and extending downwardly from the upper portion thereof and positioned so that the lower end of each of said parts engages the upper surfaces of one of said pin bosses, and a spring extending upwardly from said member to engage the head of said piston and exert a tension to hold the lower ends of said parts in firm engagement with said pin bosses.

2,103,665
PISTON EXPANDER
Walter C. Knoebel, Kirkwood, Mo., assignor to Dallas M. Smith, Kirkwood, Mo.
Application March 25, 1937, Serial No. 133,061
6 Claims. (Cl. 309—12)



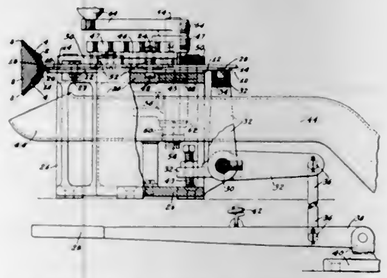
1. A piston expander including parts arranged to engage the piston skirt and exert an expansive force thereon, a rod adapted and arranged to extend across the hollow interior of the head of the piston in which said expander is used, and said skirt engaging parts being secured to said rod.

2,103,666
ANTIFROST DEVICE
Manuel Luis Jose d'Ornellas, Talence, France
Application March 11, 1937, Serial No. 130,406
In France December 17, 1936
15 Claims. (Cl. 20—40.5)



1. A system which comprises, in combination, a rigid transparent element, at least one transparent sheet of a supple material arranged to be normally applied flat against the outer surface of said rigid transparent element, and means for deforming said sheet in such manner as to break any layer of frost or ice as may have formed thereon.

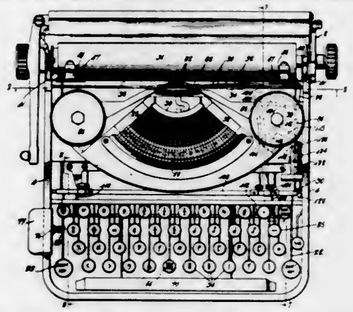
2,103,667
MACHINE FOR REMOVING LACINGS FROM SHOE UPPERS
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 5, 1937, Serial No. 129,213
20 Claims. (Cl. 12—1)



1. A machine for operating upon a lasted shoe, the upper of which is held stretched in close fitting relation to a last by one or more lacings passing through eyelets in opposite sides of the upper comprising cutting means for severing the lacings, and means for locating the shoe in an operative position on the machine before the lacings are severed.

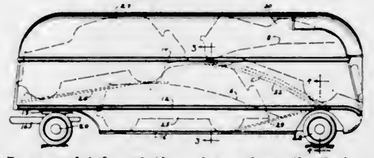
2,103,668
TYPEWRITER
William A. Fowler, Lincoln, Nebr.
Application May 20, 1936, Serial No. 80,871
9 Claims. (Cl. 197—8)

1. In a typewriter for musical notation, a platen having a substantially flat supporting surface for a paper; a frame upon which said platen is mounted to move bodily in a horizontal direction; typing means comprising type bars and keys for actuating the same; said type bars bearing types for musical notation, including one for printing the five lines of the musical staff; and means for imparting step by step movement to said platen comprising a key adjacent the key for actuating



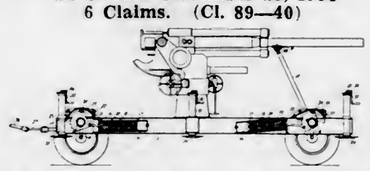
said musical staff type bar, whereby said two keys can be struck together.

2,103,669
VEHICLE CONSTRUCTION
Lynn M. Francis, Birmingham, Mich., assignor to Mechanical Handling Systems, Inc., Detroit, Mich., a corporation of Michigan
Application December 19, 1935, Serial No. 55,193
20 Claims. (Cl. 296—1)



6. In a vehicle of the class described, in combination with a framework, wheels near one end thereof, a substantially horizontal lower support, a pair of raised inclined supports partly overlying opposite ends of said lower support, holding means for maintaining said raised supports in substantially aligned elevated position at their adjacent ends whereby a car may be run from one to the other, and for maintaining said inclined supports in another separated elevated position, at least one of said inclined supports having a portion normally blocking access to the lower support but movable vertically to afford access from one end of the vehicle to said lower support, and an approach runway extending from one end of the vehicle to said lower support.

2,103,670
WHEELED FIREARM
Victor Hammar, Edvin Emanuel Jansson, and Otto Olsson, Bofors, Sweden, assignors to Aktiebolaget Bofors, Bofors, Sweden
Application November 23, 1935, Serial No. 51,316
In Sweden November 23, 1934
6 Claims. (Cl. 89—40)



1. A four wheeled gun carriage comprising a framing, a front and rear axle turnably mounted in said framing, cranks in operative connection with each of said axles at the ends thereof and

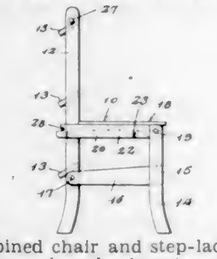
forming journals for the wheels, a link system between each of said cranks and the associated axle, a spring suspension device between each of the link systems and the axle, means for lowering said framing on to the ground and for raising it into the travelling position consisting of a hand operated lever firmly secured to each of said axles for turning the axles together with the associated cranks and wheels, and balancing means between said framing and each of said axles for facilitating the said lowering and raising of the firearm into firing position and the raising thereof into travelling position.

2,103,671

COMBINED CHAIR AND STEPLADDER

Andrew A. Harju, Ashtabula, Ohio

Application March 18, 1937, Serial No. 131,734
2 Claims. (Cl. 155—42)



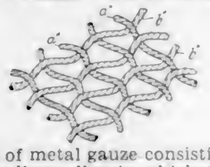
2. A combined chair and step-ladder comprising upright members having step members connected therebetween, a pair of front leg members, the front legs having a rung member extended rearwardly therefrom and pivotally connected to respective upright members, a seat member including side frame members, said frame members being pivotally connected to the upper ends of the front leg members, each of the frame members having a slot formed upon the under face thereof, a link member pivoted at one end to respective uprights at a point slightly below the pivot of the front legs, the other end of the links being pivoted to the seat, the links normally occupying a position within and abutting the base of the slot, a laterally extended lug on each upright adjacent the upper ends thereof, and the free ends of the frame members having a notch for reception of respective lugs, in one position of the parts.

2,103,672

METAL GAUZE

Wilhelm Heinrich Heraeus, Hanau, Germany, assignor to the firm W. C. Heraeus, G. m. b. H., Hanau, Germany

Application August 3, 1935, Serial No. 34,551
In Germany March 23, 1935
1 Claim. (Cl. 23—234)



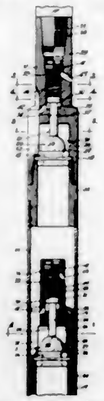
A catalyst of metal gauze consisting of wires of platinum rhodium alloy in which the weft wires are of lower rhodium content and the warp wires are of higher rhodium content for the purpose of making the weft wires softer to conform to the positions of the warp wires and distribute stress evenly throughout the gauze, both of said wires being substantially circular in cross section throughout their length.

2,103,673

PUMP VALVE

Daniel W. Hoferer, Long Beach, Calif.

Application April 26, 1935, Serial No. 18,456
3 Claims. (Cl. 251—121)



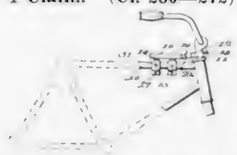
1. A well pump valve including, a free ball valve, a cage for the valve, a seat in the cage engageable by the valve, a cylinder projection on the upper end of the cage having a cylinder opening, the cylinder opening extending to the upper end of the projection, a removable plug closure in the cylinder opening below its upper end, the portion of the cylinder opening above the plug closure being threaded to receive a pump part, there being a guide opening from the lower end of the cylinder opening to the cage, a pin separate from the valve and slidable in the guide opening to have its lower end engage the valve, a head on the pin shiftable in the cylinder opening, said cylinder projection having fluid ports through its wall above and below the head, and a spring confined in the cylinder opening and acting on the head to normally yieldingly urge the pin downwardly against the ball valve.

2,103,674

STEERING GEAR LOCK FOR MOTOR VEHICLES

Andrew Jackson, Memphis, Tenn.

Application June 16, 1936, Serial No. 85,579
1 Claim. (Cl. 280—272)



A steering gear lock for motor vehicles comprising a member adapted for attachment to a stationary part of the vehicle and a member adapted for attachment to a movable part of the steering gear, said latter member comprising jaws adapted to surround said movable part, spaced ears on said jaws, a perforated lever having an end positioned between said ears, a pivot connecting said ears and passing through said lever end, means on said first named member adapted for engagement within a perforation of said lever, washers surrounding said pivot at opposite sides of said lever, springs surrounding said pivot between said ears and said washers for urging the latter against the lever, and a clamping bolt passing through said ears between said lever and said jaws.

2,103,675

BRIDGE FOOT PIECE FOR STRINGED MUSICAL INSTRUMENTS

Jim Johannessen, Bergen, Norway, assignor to Gylden Tone A/S. Bergen, Norway, a joint-stock company of Norway

Application January 10, 1935, Serial No. 1,231
In Norway March 6, 1934
2 Claims. (Cl. 84—309)



1. A foot piece for the uses described consisting of a flat extremely thin plate of hard sheet material of highly resonant quality in the shape of spaced apart foot plates and a narrow connecting bar, whereby all may lie in continuous bearing contact with the face of the belly of a musical instrument and whereby said plates may receive the respective feet of a bridge; whereby the vibrations transmitted through the bridge will be imparted to an area of the belly greater than that of the superposed bridge piece.

2,103,676

CURLING AND CRIMPING DEVICE

Cornelia Karasiewicz, Detroit, Mich.

Application January 6, 1936, Serial No. 57,815
4 Claims. (Cl. 132—37)



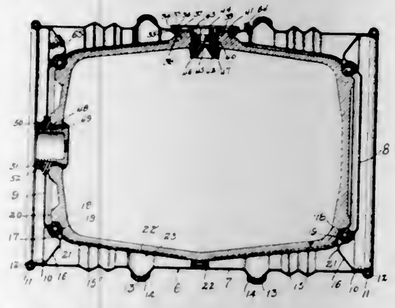
1. An electric curling and crimping device comprising a pair of crossed shank members pivoted together, elongated longitudinally tapered jaw members on one end of said shanks, said jaws being hollow, electric heating elements arranged in said jaws, said jaws having inter-fitting roughened areas on their meeting surfaces to effect a positive hold on the article clamped therebetween.

2,103,677

SPACED WALL RECEPTACLE

Walter Kline, Wellington, and William A. Brubaker, Akron, Ohio; said Kline assignor to Ethel H. Morrison, Wellington, Ohio

Application October 9, 1934, Serial No. 747,630
8 Claims. (Cl. 220—15)



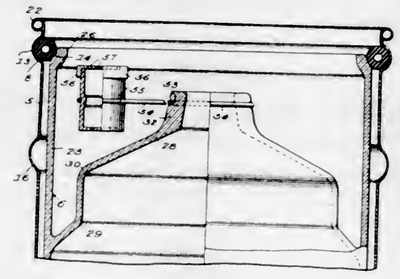
1. In a spaced wall receptacle, an outer metallic shell, an inner container of ceramic or the like material, complementary circular seats formed on the ends of the shell and container, hollow ring like resilient cushions occupying said seats for suspending the container within the shell in spaced relation thereto, a hollow circular radial band embracing the container around the middle thereof to assist the rings in the suspension of the container, resilient shock absorbing bands encircling the outside of the shell and at the ends thereof, said shell and container having registering openings for filling and dispensing the contents of the container and means joining the container and shell at said openings to permit a restricted floating movement of the container relative to said shell.

2,103,678

REFRIGERATED SHIPPING AND/OR STORING VESSEL

Walter Kline, Wellington, and William A. Brubaker, Akron, Ohio; said Kline assignor to Ethel H. Morrison, Wellington, Ohio

Application February 9, 1935, Serial No. 5,810
1 Claim. (Cl. 220—14)



A vessel of the class described embodying in its construction, a container having a bell-like dome joining the side of the container intermediate the top and the bottom of the same and deflected inwardly of the side of the container to provide a refrigerating compartment below the level of the top of the container, said dome having a filling opening in the top thereof and means for supporting a refrigerating medium in the refrigerating compartment out of contact with the container, comprising a supporting arm secured to and extending laterally from the dome of the container and a holder for solidified carbon dioxide supported by said arm, said holder having a removable cover for filling the holder and said cover having perforations for releasing the carbon dioxide gas into the refrigerating compartment.

2,103,679

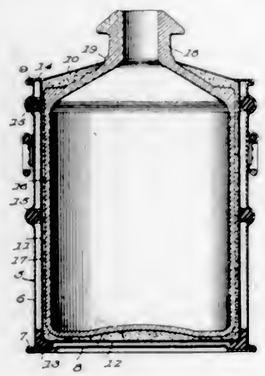
SHIPPING AND/OR STORING CARBOY

Walter Kline, Wellington, and William A. Brubaker, Akron, Ohio; said Kline assignor to Ethel H. Morrison, Wellington, Ohio

Application July 15, 1935, Serial No. 31,471
1 Claim. (Cl. 220—10)

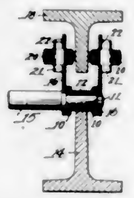
A carboy or the like receptacle comprising an outer shell and an inner non-corrosive container spaced within said shell with the space therebetween filled with a poured protective substance, said container being fashioned with its upper portion presenting a relatively thick and abrupt offset shoulder leaving a substantial concave area inwardly of the shoulder to thereby

enlarge the space between it and the outer shell for accommodating an increase in the thickness



of the poured protective substance at this particular location.

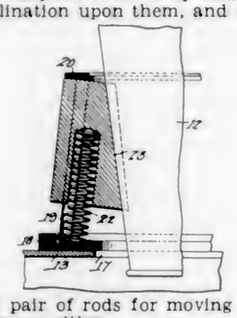
2,103,680
CONVEYER
Hermann Klaucke, Worcester, Mass., assignor to Baldwin-Duckworth Chain Corporation, Worcester, Mass., a corporation of Massachusetts
Application April 10, 1935, Serial No. 15,616
9 Claims. (Cl. 198—189)



8. In a conveyer, the combination of a supporting rail, a chain composed of links and rollers, said rollers resting on said rail, pins extending through the rollers, the links connecting said pins, means carried by said pins at intervals for supporting the load, plates constituting arms of the links of the chain and extending outwardly, a guide rail in the plane of said rail, and rollers mounted on said plates and projecting inwardly from the plates to engage the guide rail to prevent tilting of the chain.

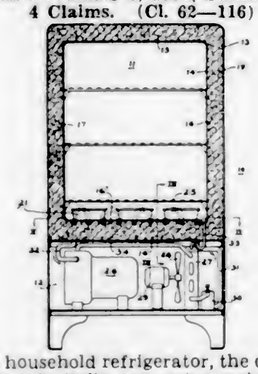
2,103,681
CHUCK
Hermann Klaucke, Worcester, Mass., assignor to Baldwin-Duckworth Chain Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 17, 1936, Serial No. 101,293
2 Claims. (Cl. 198—131)

1. A chuck for carrying conical containers comprising a frame, pairs of inclined rods carried thereby and each pair constituting an inclined guide for a jaw, a plurality of jaws located on said guides and adapted to move up and down at an inward inclination upon them, and a spring be-



tween each pair of rods for moving the jaws to their clasping position.

2,103,682
REFRIGERATION APPARATUS
John H. Ashbaugh, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,309
4 Claims. (Cl. 62—116)

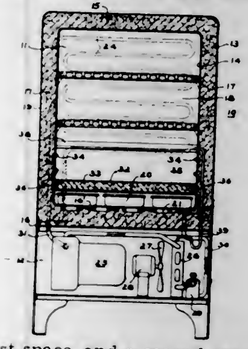


1. In a household refrigerator, the combination of a cabinet including an outer casing, an inner metallic casing or food liner having a plurality of wall portions disposed in spaced relation to and heat insulated from the respective wall portions of the outer casing and including a bottom wall portion, trays for congealing liquids supported on said bottom wall portion, means including an evaporator on the underside of said bottom wall portion for maintaining a sub-freezing temperature of said wall portion and for maintaining a refrigerated temperature above freezing in the upper portion of the food liner, said last-mentioned means including means for circulating a volatile refrigerant through the evaporator and vaporizing the same therein at a pressure and temperature sufficiently low to freeze water in said trays, and shelves mounted in said food liner above said ice trays.

2,103,683
REFRIGERATION APPARATUS
Milton Kalischer, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,324
6 Claims. (Cl. 62—116)

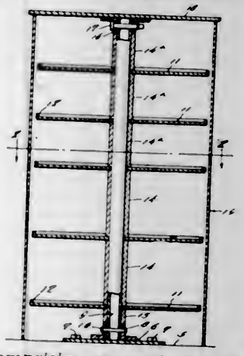
5. A refrigerator cabinet comprising a liner having top, bottom and vertical wall portions,

a horizontal heat insulated partition for dividing the interior of the food liner into a first space adjacent the bottom of the liner and a second space adjacent the top of the liner, means for supporting said partition at any one of a plurality of positions for varying the sizes of said spaces, a first evaporator disposed below said partition when in the lowermost of said positions for cool-



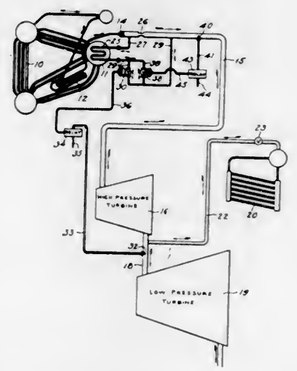
ing said first space, and a second evaporator disposed above said partition when in the uppermost of said positions for cooling said second space, one of said evaporators being adapted to cool the associated space to a temperature sufficiently low for freezing water and the other evaporator being adapted to cool the associated space to a temperature above freezing but sufficiently low for preservation of food.

2,103,684
DISPLAY STAND
Leonard D. Long, Charleston, S. C.
Application November 24, 1936, Serial No. 112,594
1 Claim. (Cl. 312—172)



A stand comprising an anchored base, a post rising from the base, a plurality of removable spacing sleeves on the post, a plurality of trays removably disposed on the post and being spaced apart by said spacing sleeves, a top plate, means on the bottom side of the top plate for removably securing the top plate to the top of the post, and a case open at its upper and lower ends and constructed in sections, fastening means between the sections of the case whereby the case can be removably disposed around the trays, said top plate being of a diameter greater than that of the case so that the upper end of the case will abut the bottom of the top plate when the case is in closed position around the trays.

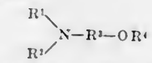
2,103,685
POWER PLANT
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application November 7, 1935, Serial No. 48,723
7 Claims. (Cl. 60—104)



1. The method of producing power from steam comprising the steps of expanding the steam through two stages successively, and controlling the temperature of the steam entering the first stage in accordance with variations in the temperature of the steam between the stages, to minimize such variations.

2,103,686
RUBBER COMPOSITION AND PRESERVATION OF RUBBER
George D. Martin, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 2, 1934, Serial No. 728,753
23 Claims. (Cl. 18—50)

21. The method of preserving rubber which comprises treating rubber with a product possessing the formula

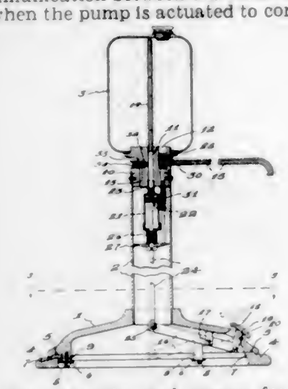


where R^1 and R^2 are alkyl or aryl radicals, R^3 is a methylene or alkylidene radical and R^4 is an alkyl radical.

2,103,687
LIQUID DISPENSING DEVICE
Maurice L. McKenney, Syracuse, N. Y.
Application July 9, 1936, Serial No. 89,799
11 Claims. (Cl. 221—94)

8. In a liquid dispenser, the combination of a stand including a base and a tubular upright body having a plug in its upper end formed with a valve passage and with an air passage, an air-tight liquid reservoir mounted on the upper end of the plug, a pump supported by the plug and located in the tubular body and communicating with the reservoir through the air passage, the pump including a movable member, a valve mounted in the valve passage normally closing the nozzle and movable into position to estab-

lish communication between the reservoir and the nozzle when the pump is actuated to compress the



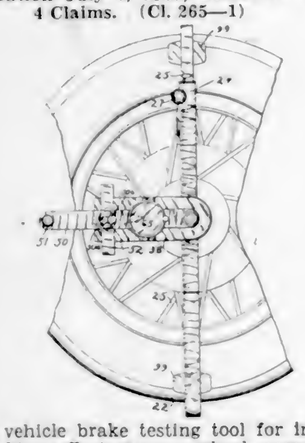
air in the reservoir, and means for actuating the movable member of the pump and the valve.

2,103,688

BRAKE ADJUSTING TOOL

Theodore A. Milutin, Dearborn, Mich.

Application July 3, 1935, Serial No. 29,596
4 Claims. (Cl. 265—1)



1. A vehicle brake testing tool for indicating the braking effect upon a wheel, comprising a contractible yoke adapted to span the wheel and grip the periphery thereof, a rigid arm rotatably mounted on said yoke near the center thereof, reversible ratchet means connected therewith for prevention of rotation of said arm in a selected direction while allowing rotation in the opposite direction, crank means also rotatably mounted on said yoke and concentric with said arm, a second yoke carried by said crank means, resilient means embraced by said second yoke, and abutments carried by said arm and against which said resilient means acts to resist relative movement of said crank and arm, and means to indicate the force required to deform said resilient means and produce such relative movement.

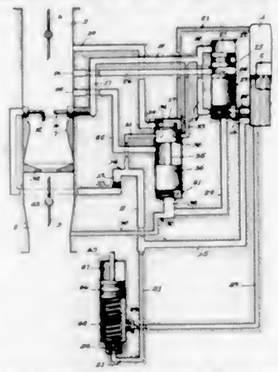
2,103,689

CARBURETOR

James F. Mullen, Jr., Lincoln Park, Mich.

Application November 1, 1935, Serial No. 47,757
18 Claims. (Cl. 261—34)

11. In a carburetor for an internal combustion engine, such as the motor of an automobile, the combination of means forming a float chamber for the fuel, a main siphon gravity and suction feed passage leading from said chamber, an auxiliary gravity and suction feed passage leading



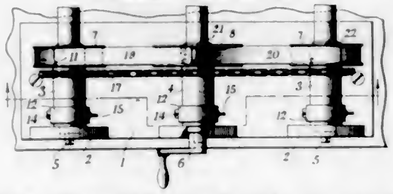
from said chamber, for acceleration, and a suction operated valve which, when released by the suction, admits air to both siphon passages, for the desired purpose.

2,103,690

MEANS FOR COMMUNICATING TRANSFER MEDIUM

Samuel A. Neidich, Burlington, N. J., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware

Application January 2, 1936, Serial No. 57,165
1 Claim. (Cl. 91—54)



In a ribbon-inking mechanism, the combination of a plurality of rotatable ribbon holders; a single rotatable ribbon holder; means to rotate the single ribbon holder to withdraw a plurality of ribbons from the first-mentioned plurality of holders, and wind them on the single ribbon holder in intercoiled relation; and driving means to connect the first-named plurality of ribbon holders for simultaneous rotation, to enable rotation of one of the first-named ribbon holders to turn all of such holders to unwind the intercoiled ribbons from the single holder, and to rewind the ribbons on their respective individual holders.

2,103,691

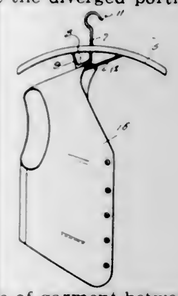
COAT AND VEST HANGER

Edward E. Palmer, Fitzwilliam, N. H.

Application August 12, 1936, Serial No. 95,638
2 Claims. (Cl. 223—91)

1. A hanger of the character described comprising an arcuate-shaped coat hanging member, a hook member provided with a depending shank disposed through the intermediate portion of the arcuate-shaped member to depend below the same, the lower end portion of the said shank being bent in diverging relation to the intermediate portion of the arcuate member, and a spring rod having one end embedded in the hanging

member and extending in diverged direction from the lower portion of the arcuate-shaped member and having its free end portion tensionally disposed against the diverged portion of the shank



to hold a piece of garment between itself and the diverged portion of the hook shank, said diverged portion and spring rod extending downwardly with respect to the hanging member.

2,103,692

PROCESS FOR THE PRODUCTION OF SECONDARY AND TERTIARY ALKYL MONOCHLORIDES

Wacław Junosza Piotrowski and Józef Winkler, Drohobycz, Poland

No Drawing. Application August 31, 1931, Serial No. 560,520. In Germany October 15, 1930
11 Claims. (Cl. 260—166)

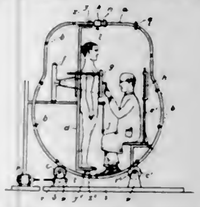
1. A process for the production of secondary and tertiary alkyl monochlorides from normally liquid olefines which comprises vaporizing said olefines and passing the vapor mixture with hydrogen chloride over a polyvalent metal halide catalyst deposited upon substances of high surface activity selected from the group consisting of silica gel and active carbon.

2,103,693

RADIOGRAPHIC COUCH

Ernst Pohl, Kiel, Germany

Application October 5, 1934, Serial No. 747,100
In Germany February 12, 1934
8 Claims. (Cl. 250—34)



1. A radiographic couch comprising a base, a frame tiltably mounted on said base, and two supports for practically the whole length of the body of the patient capable of being mounted in said frame in opposition to each other for receiving the patient between them, the distance between said supports being variable depending on the thickness of the patient.

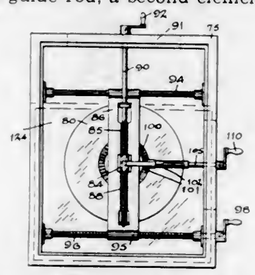
2,103,694

PHOTOGRAPHIC APPARATUS

John G. Reiser, Toledo, Ohio

Application September 27, 1934, Serial No. 745,716
1 Claim. (Cl. 95—38)

In combination with a camera having an objective, a film adapter having a housing frame, a partition extending in a plane parallel to the focal plane of the objective and separating the interior of the camera from the interior of the frame, the partition having an opening located in light transmitting relation to the objective, a film carrier, a member for rotatably supporting the film carrier in a plane parallel to the plane of the partition and in light receiving relation to the partition opening, a cross plate for slidably supporting the member, an element rotatably mounted on the cross plate, one end of the said element extending through the frame and having a manipulating handle for causing rotatable movements of the element, the other end of the element having threaded portions adapted to engage the said member whereby, on rotation of the element, the member and film carrier are caused to move linearly in a plane parallel to that of the partition, the frame having a guide rod, the cross plate slidably supported on the guide rod, a second element rotatably



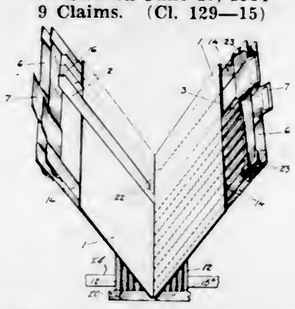
supported in the frame, one end of said second element having a manipulating handle for causing rotatable movements of said second element, the other end of said second element having a threaded portion adapted to engage the cross plate whereby, on rotation of said second element, the cross plate, member and film carrier are caused to move linearly in a plane parallel to that of the partition and in directions at right angles to that of first-named linear movement, and manipulative means extending through the frame for causing the film carrier to rotate in a plane parallel to that of the partition whereby any desired increment of movement of the film carrier in any desired direction with respect to the partition opening and objective may be obtained by conjoint actuation of said first element, said second element and said means.

2,103,695

CARD REGISTER

Nils Ivar Rosén, Stocksund, Sweden

Application June 7, 1935, Serial No. 25,463
In Sweden June 19, 1934
9 Claims. (Cl. 129—15)



1. A register for loose cards or the like, arranged one behind the other comprising a base

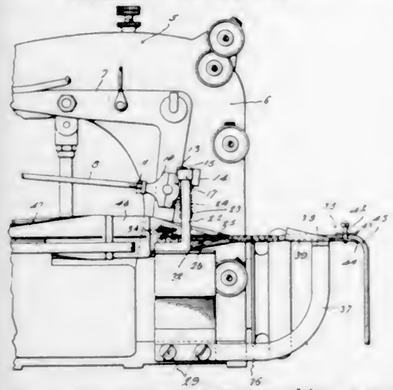
for supporting the cards, a plurality of narrow strips adapted to be arranged between said cards and having their inner ends swingably mounted on said base, said strips being adapted to extend from said base beyond the outer edges of the cards, and arranged adjacent and obliquely behind each other in rows, the planes of the strips in each row forming an acute angle with the longitudinal direction of the row.

2,103,696

CIRCULAR KNIT TUBING CUTTER ATTACHMENT FOR SEWING MACHINES

Charles A. Scheaffer and Clifton C. Foil, Port Carbon, Pa.

Application February 13, 1937, Serial No. 125,663
2 Claims. (Cl. 112—122)



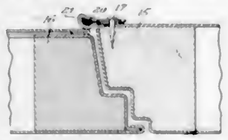
1. In combination, a sewing machine, a movable part of the sewing machine, a scissors structure secured to the base of the machine adjacent the standard of the overhanging arm to sever material as it advances to the sewing point and consisting of a stationary blade and a pivotal blade, a connection between the pivotal blade and the movable part of the sewing machine, and material guide means for guiding the material to the scissors, said guide means consisting of an elongated guide finger upon which the stationary blade is secured and beyond the free end of which the finger projects.

2,103,697

WEATHER STRIPPING AND METHOD OF MAKING THE SAME

Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application February 8, 1936, Serial No. 62,919
8 Claims. (Cl. 20—69)



1. Weather stripping comprising a strip of material having one portion for attachment to one member near an edge thereof and another portion to project beyond said edge of said member for contact with a second member, said attaching portion of said strip being laminated and having one layer formed to provide substantial resistance to compression in the plane of the layer and having another layer tensioned in order to give said projecting portion of said strip a bias in a direction transverse to the plane of said attaching portion.

2,103,698

SAFETY IGNITION COMPOSITION CONTAINING SEMI-PYROPHORIC METAL

Alfred Schmid, Berlin-Dahlem, Germany

No Drawing. Application December 29, 1936, Serial No. 118,171. In Germany August 28, 1931
4 Claims. (Cl. 52—25)

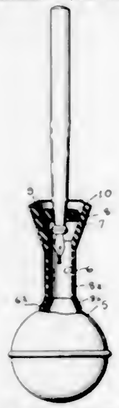
1. Safety ignition mixture ignitable by friction on friction surfaces, consisting of a mixture of substances yielding oxygen, semi-pyrophoric metals, abrasive substances and binding agents.

2,103,699

FOUNTAIN PEN CLEANER

Joseph D. Sheehan, Brooklyn, N. Y.

Application November 30, 1934, Serial No. 755,331
2 Claims. (Cl. 120—108)



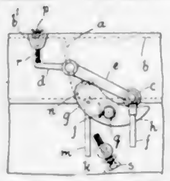
1. A fountain pen cleaner consisting of a bulb, a flexible rubber tube connected therewith, a rubber cone connected with the bulb, the bulb being constructed of yielding rubber to permit of manual compression, and adapted to react to produce suction, a metal cone enclosing the rubber cone and having a flange engaging the upper end of the rubber cone, and a resilient rubber ring slidable against the rubber cone and adapted to be retained therein by the flange of the metal cone.

2,103,700

FUEL MIXTURE SUPPLY CONTROL FOR THE INTERNAL-COMBUSTION ENGINES OF MOTOR VEHICLES

Algernon Smart, Newcastle-upon-Tyne, England

Application December 13, 1935, Serial No. 54,239
In Great Britain December 15, 1934
8 Claims. (Cl. 192—.01)



1. Apparatus for controlling the supply of fuel-mixture to the internal-combustion engine of a motor vehicle comprising means for completely shutting-off said supply and simultaneously admitting air in lieu thereof while the engine is connected to the transmission system of the vehicle and is being driven thereby, said means being associated with means for restoring a supply of mixture and simultaneously shutting-off said air which latter means function automatically to prevent the engine stalling when the vehicle ceases to drive the engine.

2,103,701

RAIL HEAD AND WHEEL FLANGE LUBRICATOR

Charles Stern, Jersey City, N. J., assignor to Ardco Manufacturing Company, Hoboken, N. J., a corporation of Delaware

Application July 10, 1934, Serial No. 734,553
10 Claims. (Cl. 184—3)



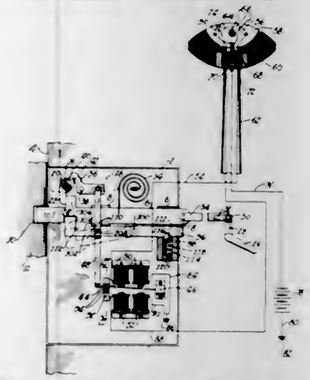
1. A rail head and wheel flange lubricator, comprising a manifold adapted to receive lubricant under pressure, means for detachably securing the manifold to one side of a rail, a plurality of independent tubes detachably branched from the manifold and having flattened outer ends for positioning against the side of a rail head to project into the bight between the rail head and the flange of a wheel, a removable protecting member, and detachably securing means for securing the protecting member on the manifold over the tubes and having a reduced upper end portion projecting into said bight to protect the free ends of the tubes.

2,103,702

MOTOR VEHICLE LATCH

Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application July 30, 1934, Serial No. 737,506
12 Claims. (Cl. 292—164)



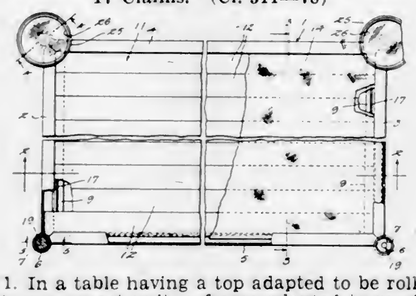
1. A door securing means for motor vehicles comprising a spring pressed bolt, means operable from outside the vehicle for retracting the bolt, means operable from inside the vehicle for retracting the bolt, a locking device movable to render the outside retracting means inoperable and to substantially increase the resistance of the bolt to movement by the inside retracting means.

2,103,703

FOLDABLE TABLE

Jacob van Kooten, Brooklyn, N. Y.

Application May 25, 1935, Serial No. 23,481
17 Claims. (Cl. 311—78)



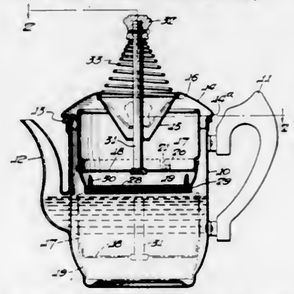
1. In a table having a top adapted to be rolled into a compact unit, a frame adapted to receive and encircle the top comprising a series of bars, means hingedly coupling the ends of the bars together at two diagonal corners of the frame, means securing the top within and below the plane of the top of the frame bars when the bar ends at the other diagonal corners are joined together, and legs each detachably coupled with the frame at the corners thereof.

2,103,704

SPRING DRIP BEVERAGE MAKER

Leon Wygodsky, deceased, late of Baltimore, Md., by Helen Wygodsky, executrix, Baltimore, Md., assignor of one-half to said Helen Wygodsky and one-half to Julienne M. Wygodsky

Application January 5, 1937, Serial No. 119,155
6 Claims. (Cl. 53—3)



1. An infusion making device comprising a receptacle for water, a cover for closing the top of the receptacle, said cover having a depending central guide thereon, a coffee basket having a detachable perforated bottom closure member and a water container the lower end of the latter fitting within and being detachably connected to said basket, said container and basket constituting an assembly vertically movable within the receptacle, a push rod connected with said assembly and slidable through said guide, and a spring connected with said push rod for normally urging said assembly upwardly.

2,103,705

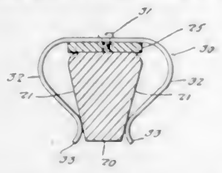
DRILL STEEL SHARPENER

Charles W. Beamer, Mojave, Calif.

Application May 19, 1936, Serial No. 80,604
11 Claims. (Cl. 121—32)

1. In a structural assemblage of the class described, in combination, a fixed bushing, a re-

movable pneumatically operated dolly mounted in said bushing and provided with a keeper notch,



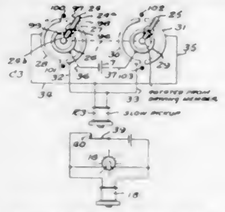
and reciprocatory pneumatically returned bodily slidable latch means engageable with said notch in the manner and for the purposes described.

2,103,706

SPEED RESPONSIVE APPARATUS

Herbert L. Bone, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 17, 1935, Serial No. 22,029
11 Claims. (Cl. 175—355)



1. Speed responsive apparatus comprising a member adapted to be rotated at different speeds, circuit controlling mechanism operated by said member and including a first pair of contacts closed during a first predetermined portion of each rotation of the member and a second pair of contacts closed during a second predetermined portion of each rotation of the member, a current source, a time limit electromagnetic device including an energizing winding; a first control circuit including the source, said winding and said first pair of contacts for energizing said device with current of one polarity; a second control circuit including the source, said winding and the second pair of contacts for energizing the device with current of the other polarity; and an operating circuit including a contact operated by said device.

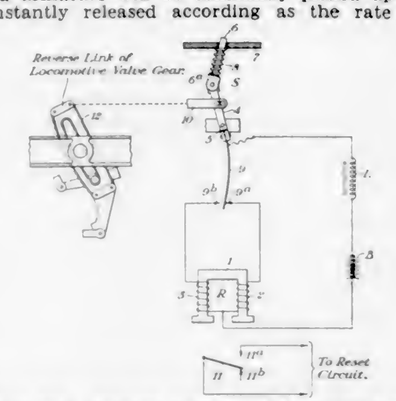
2,103,707

SPEED RESPONSIVE APPARATUS

Ralph K. Crooks, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 10, 1935, Serial No. 53,746
10 Claims. (Cl. 175—355)

1. Speed responsive apparatus comprising a pair of contacts which are alternately opened and closed at a variable rate, a relay having a magnetizable core provided with two separate windings, a reactor, a source of direct current, means for connecting each of said windings with said source in series with said reactor over a different one of said contacts in such manner that the resultant current which is supplied to said windings will always flow in the same direction in said reactor but will cause an alternating flux to be induced in said core, and an armature controlled by the alternating flux which is induced in said core, the parts being so proportioned that said armature will be constantly picked up or constantly released according as the rate at



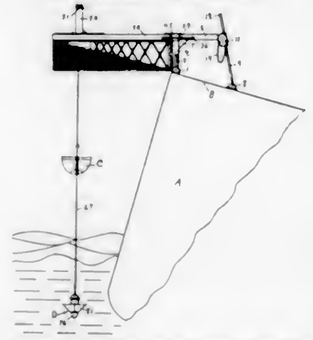
which said contacts are alternately opened and closed is below or above a relatively slow rate.

2,103,708

DEVICE FOR HANDLING BOATS AND OTHER LOADS

Willard Campbell, Los Angeles, Calif.

Application January 7, 1935, Serial No. 677
12 Claims. (Cl. 9—22)



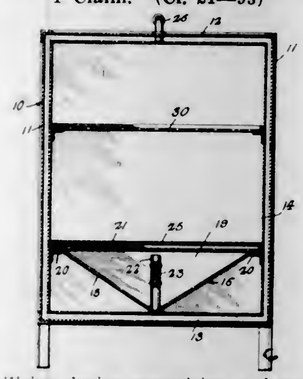
1. A device for the purposes described comprising a support, a cradle pivotally mounted upon said support, a gate at each end of the cradle, said gates being hinged to the latter so as to close in front of the cradle or to open and extend outwardly over the side of the support and above the water; track rails on the cradle, complementary track-rails on the gates in alinement with the rails on the cradle when the gates are open, a carriage having wheels for rolling on said rails, a boat, a latch member on said boat, means on said carriage for supporting the boat whereby the latter may be lowered to or raised from the water, said supporting means being in engagement with said latch member, a hoisting mechanism on the carriage, steadying cables extending from said mechanism downwardly past the supported boat and into the water, a weight for and attached to the lower end of each of said steadying cables and detachable means on the boat for slidably engaging said cables as the boat moves up and down, said detachable means being normally held to the boat by said latch member, said latch member being adapted to disengage the detachable means from the boat automatically when the boat comes to rest upon the water.

2,103,709

STERILIZER

Harry E. Cann, West Chester, Pa.

Application December 5, 1931, Serial No. 579,314
1 Claim. (Cl. 21—93)



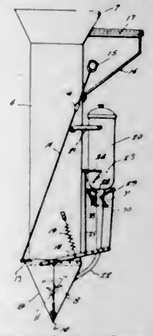
A sterilizing device comprising a closed cabinet for receiving previously washed but undried receptacles, converging plates in the lower portion of the cabinet forming a valley for receiving the drippings from inverted receptacles, a horizontal perforated plate above said valley, a reticulated member above said plate for supporting inverted receptacles and through which said drippings are adapted to pass to said perforated plate, and a heating means within said valley for converting said drippings into steam, whereby to retard the rise of heated air so as to produce an even and continuous circulation of heat by convection to all parts of the interior of the cabinet.

2,103,710

COMBINED PLANT SETTING AND FERTILIZING IMPLEMENT

John J. Carner, Cloudcroft, N. Mex.

Application August 18, 1936, Serial No. 96,672
4 Claims. (Cl. 111—4)



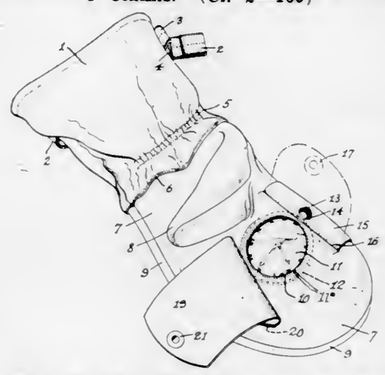
2. In a structure of the class described, a cylinder adapted to receive the plant, a conical ground penetrating device at the lower end of said cylinder embodying a relatively fixed semiconical section and a relatively movable semiconical companion section, a rod slidably mounted on said cylinder and connected with said movable section, a lever also connected with said movable section, a fertilizer tank supported on said cylinder, a delivery conduit leading down from said tank and connected with the fixed section of said conical device, a valve in said conduit and an operating connection between said valve and lever.

2,103,711

TIMER'S MITTEN

Eben W. Cole, Littleton, N. H.

Application November 13, 1936, Serial No. 110,757
3 Claims. (Cl. 2—160)



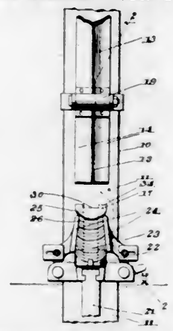
1. In a timer's mitten, the combination of a mitten having a leather palm and a fabric lining, a circular opening in the leather palm of a size substantially corresponding to the face of a watch, and a semi-circular line of stitching securing the leather palm to the lining and spaced a sufficient distance from the edge of the aforesaid circular opening to allow room for the rim of a watch; a slit spaced from the circular opening and near the edge of the mitten for insertion of a watch in the space between the lining and the leather palm of the mitten until the face of the watch is centered in the circular opening by the aforesaid semi-circular line of stitching; a small flap stitched to the palm of the mitten and adjacent the slit through which the watch is inserted, said flap having an opening for the knurled stem of a watch, and having a snap fastener socket, a snap fastener stud on the mitten positioned to engage the aforesaid snap fastener socket when the flap is in closed position, and a second and larger flap stitched to the palm of the mitten on the other side of the circular opening for the watch and adapted to be brought over said opening, said flap having a snap fastener socket engageable with the aforesaid snap fastener stud.

2,103,712

HEEL BUILDING MACHINE

Charles H. Coulson, Hanover, Pa.

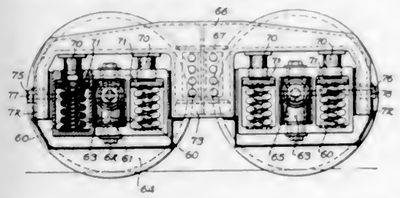
Application December 19, 1936, Serial No. 116,829
12 Claims. (Cl. 12—50)



1. The method of building heels which comprises assembling lifts in heel-form, forcing the

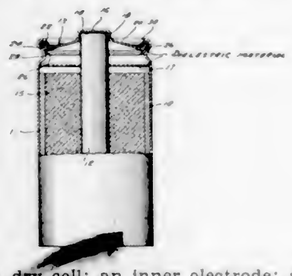
assembled lifts through a confined space while subjecting the lifts to a compressive action and a lateral pressure, the lateral pressure depending upon sliding contact at two points on each of the assembled lifts.

2,103,713
CAR TRUCK
William S. Dietrich, Greenville, Pa.
Application March 22, 1935, Serial No. 12,418
4 Claims. (Cl. 105—169)



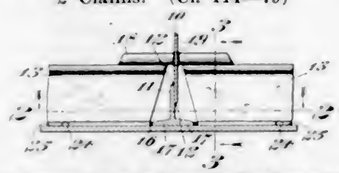
1. The combination with a truck having two pairs of wheels, of a cross beam disposed between the wheels of each pair, a spindle mounted on each end of the beams, for oscillation about a vertical axis, an axle carried by each spindle, for the adjacent wheel, a truck frame having portions extending to the sides of the truck, frame-supporting springs interposed between said portions and the said cross beams, the springs and the spindles at each side of the truck being disposed in a common vertical plane, and the springs being arranged in pairs, with one spring in front of and one behind each spindle, and guide members for holding the cross beams in cooperative relationship to the truck frame.

2,103,714
METAL TOP FOR DRY CELLS
Price Drummond, Rocky River, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application November 30, 1932, Serial No. 645,007
4 Claims. (Cl. 136—133)



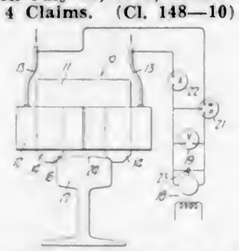
1. In a dry cell; an inner electrode; an outer container electrode having an inwardly and downwardly open recess in the upper end thereof; a unitary conductive metal closure having a mid-portion permanently in electrical contact with an end of said inner electrode and having an upwardly turned flanged outer margin thereof secured in said recess but spaced from said container electrode, the said mid-portion of the closure being above the plane of the outer margin, and a di-electric member in the recess for insulating the said container electrode from said closure.

2,103,715
SHIP CONSTRUCTION
Hugo P. Frear, New York, N. Y., assignor to Bethlehem Shipbuilding Corporation, Ltd., a corporation of Delaware
Original application July 19, 1934, Serial No. 735,923. Divided and this application January 15, 1936, Serial No. 59,211
2 Claims. (Cl. 114—79)



1. In a vessel of quasi longitudinal construction, transverse bulkheads, fore-and-aft walls, water-tight means attaching the peripheral edges of said bulkheads to said walls, longitudinal stiffeners comprising inner and outer flanges cut through by said bulkheads in such a manner that the cut ends are in proximity to but in spaced relation to said bulkheads on each side thereof, said outer flanges being attached to their adjacent one of said walls and at said cut ends being welded to their adjacent one of said means, and round tie rods piercing said bulkheads and welded water-tight and completely around its periphery to said bulkheads and welded to said inner flanges of adjacent cut ends of said stiffeners.

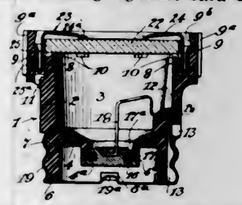
2,103,716
RAIL TREATMENT METHOD
Royal E. Frickey, San Francisco, Calif., assignor to Welding Service, Inc., San Francisco, Calif., a corporation of California
Application July 27, 1936, Serial No. 92,715
4 Claims. (Cl. 148—10)



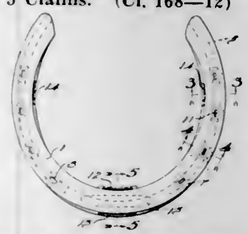
4. In a method of heating steel rail ends preparatory to hardening the same by chilling, placing an upper layer of the rail ball, at one end of the rail, in a magnetic flux path, the path extending laterally across the rail between the upper parallel side edges of the rail ball, causing an alternating magnetic flux to thread said path to heat said layer to a temperature corresponding to the critical temperature of the rail metal, the major part of the flux entering and leaving said rail along narrow zones substantially coincident with said side edges, and thereafter continuing to subject the rail ball to said magnetic flux without a material shift in said zones, to heat the upper layer to a temperature materially substantially above said critical temperature.

2,103,717
PLUG FUSE
Ernst A. G. Ganoe, Rochester, Pa., assignor to National Electric Products Corporation, Pittsburgh, Pa., a corporation of Delaware
Application July 6, 1935, Serial No. 30,097
10 Claims. (Cl. 200—130)

1. A plug fuse comprising: a one-piece, cup-shaped body of molded insulating material, the body having an annular hand grip adjacent to its upper end and exterior threads adjacent to its lower end, and having within the cavity of the cup formation annularly located closure supporting means; a threaded contact thimble screwed onto the threaded portion of the body; a closure disc entering the cavity of the cup formation and resting against said closure supporting means; and closure retaining means removed from the hand grip portion of the body and located wholly within the space encircled by the hand grip, the closure retaining means being an annular sheet metal member that makes spring contact with the top of the closure disc, and also encircles the closure disc and depends below it to prevent the fuse gases from escaping to the top of the fuse.



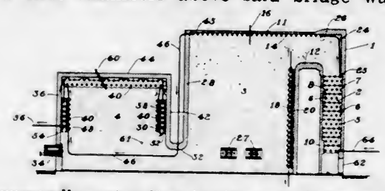
2,103,718
HORSESHOE
Joseph A. Goodwin, Lexington, Ky.
Application March 1, 1937, Serial No. 128,364
5 Claims. (Cl. 168—12)



1. A horseshoe comprising a hoof contacting metal plate having nail holes for attachment to a horse's hoof, a ground contacting metal plate having openings opposite said nail holes and of larger size than the head of a horseshoe nail whereby the heads of the horseshoe nails will seat against the hoof contacting plate without engaging said ground contacting plate, and means permanently connecting said plates in superimposed relation for relative movement laterally as well as perpendicularly of the plates, said means constituting in its entirety a rubber layer between and bonded to said plates.

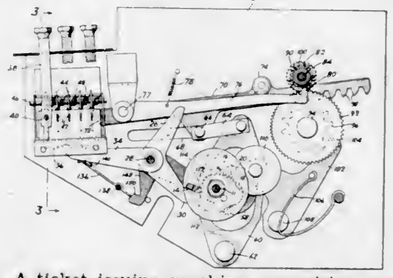
2,103,719
METHOD OF AND APPARATUS FOR HEATING OIL
Audley E. Harnsberger, Winnetka, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application December 7, 1934, Serial No. 756,385
3 Claims. (Cl. 196—47)

1. An oil heater comprising three chambers, a bank of tubes in one chamber disposed in the direct path of combustion gases, a bank of tubes disposed adjacent the roof of an intermediate chamber, and a plurality of rows of tubes disposed adjacent the roof and side walls of the third chamber, means for passing oil from said first mentioned bank of tubes to said second mentioned bank, means for passing oil from said second mentioned bank to said rows of tubes, an upwardly extending bridge wall between said first and intermediate chambers, a passageway for combustion gases from said intermediate to said first chambers above said bridge wall, a



downwardly extending bridge wall between said intermediate and said third chambers, a passageway for combustion gases below said last mentioned bridge wall, heating means located in said third chamber, separate heating means in said intermediate chamber, said heating means in said chambers being so disposed as to impart mainly radiant heat to the tubes in said third and said intermediate chambers.

2,103,720
TICKET ISSUING MACHINE
Reuben H. Helsel, Long Island City, N. Y., assignor to General Register Corporation, New York, N. Y., a corporation of Pennsylvania
Application January 13, 1937, Serial No. 120,348
10 Claims. (Cl. 271—2.4)



1. A ticket issuing machine comprising means for feeding and guiding a ticket strip, and means for actuating the feeding means to issue different numbers of tickets in single cycles of operation, said last means including a member having an invariable stroke in each cycle of operation and means including a plurality of selective keys for causing said member to effect actuation of the feeding means during varying portions of said invariable stroke to thereby effect issuance of different numbers of tickets.

2,103,721
CIGARETTE MACHINE
Paul Johannes Herrmann, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany
Application July 16, 1936, Serial No. 90,873
In Germany March 6, 1936
4 Claims. (Cl. 131—43)



1. In combination with a cigarette machine, a shaping means comprising an elongated member

having a longitudinally extending groove opening through the under surface thereof, said groove being substantially semi-circular in transverse section, and said member having a plurality of narrow grooves within said first groove.

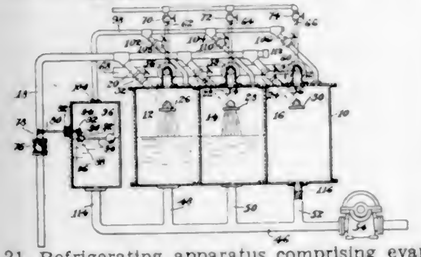
2,103,722

REFRIGERATING APPARATUS AND METHOD

Frederick H. Hibberd, Bayside, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 23, 1934, Serial No. 716,945

23 Claims. (Cl. 62—152)



21. Refrigerating apparatus comprising evaporating chambers for a liquid refrigerating medium which is to be cooled therein, means comprising individual vacuum producing devices having a common discharge header for controlling evaporation in said chambers, a common delivery conduit and riser pipes connecting said conduit to the lower portion of each of said chambers arranged to provide a hydrostatic seal for the several chambers.

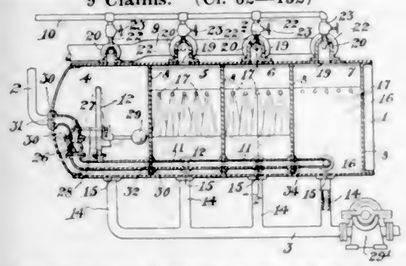
2,103,723

REFRIGERATING CONSTRUCTION

Frederick H. Hibberd, Bayside, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application March 23, 1934, Serial No. 716,947

9 Claims. (Cl. 62—152)



9. Refrigerating apparatus comprising an evaporator having a plurality of chambers, evacuating means for each chamber to reduce the pressure therein and to remove vapor therefrom, means to remove refrigerant from the chamber, and means including a well in each chamber to control the admission of refrigerant to the chamber in accordance with the pressure maintained therein, without interference with the admission of refrigerant to any other chamber.

2,103,724

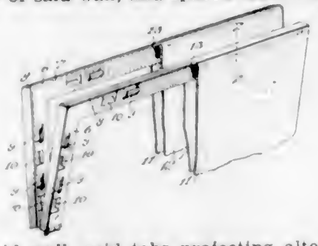
HANDBAG FRAME

William C. Hiering, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware

Application July 15, 1936, Serial No. 90,665

4 Claims. (Cl. 150—29)

1. A bag frame member having a side wall with its upper edge bent at right angles thereto to provide a flange, said flange being bent back upon itself to provide a flange projecting to the opposite side of said wall, and spaced tabs struck out



from said wall, said tabs projecting alternately in opposite directions and opening towards said flange.

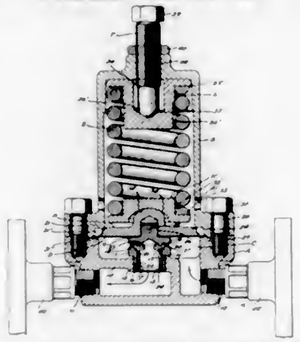
2,103,725

VALVE

Wilgot J. Jacobsson, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application November 30, 1932, Serial No. 644,927

2 Claims. (Cl. 137—53)



1. In a valve, the combination of a nozzle having a tubular bore and a seat adjacent one end of said bore; a pressure-responsive diaphragm; a valve element secured to one side of said diaphragm, said element having a seating face cooperating with such nozzle seat and also having a tubular stem slidable axially in said bore, said stem having one or more ports adjacent the end thereof near such cooperating seating face and nozzle seat, said stem also having an exterior circumferential groove therein adjacent the other end of the stem; resilient means seated in said groove and bearing against the surface of said bore to dampen the movements of said valve element relatively to said nozzle; a spring; and a pair of members for transmitting the pressure of said spring to the other side of said diaphragm axially in line with said element and said nozzle, said members having cooperating curved surfaces of unequal curvature and one of said members being secured against said other side of the diaphragm.

2,103,726

REFRIGERATING APPARATUS

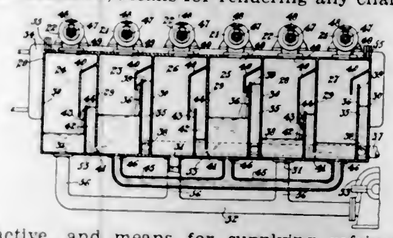
Alfred D. Karr, Newark, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 3, 1937, Serial No. 151,796

11 Claims. (Cl. 62—152)

1. In refrigerating apparatus, an evaporator comprising primary chambers and secondary

chambers in constant communication with the primary chambers, means to admit refrigerant to the chambers, means for rendering any chamber



inactive, and means for supplying refrigerant from an active primary chamber to any inactive primary chamber.

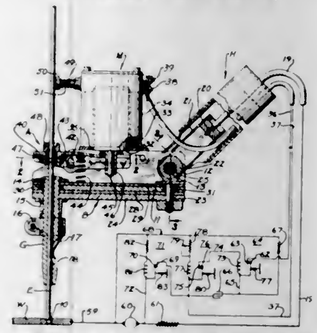
2,103,727

ELECTRIC WELDING

Harry E. Kennedy, Maynard A. Rotermund, and Lloyd T. Jones, Berkeley, Calif., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application November 9, 1934, Serial No. 752,244

28 Claims. (Cl. 219—8)



18. In welding apparatus, the combination of a welding circuit including the work and a movable electrode, means for feeding the electrode to the work comprising an electrical translating device having a control circuit associated therewith, means for intermittently storing energy in said control circuit and effecting the discharge of said energy to actuate said translating device when the fusing end of the electrode is at or more than a predetermined distance from the work, and means responsive to an electrical condition of said welding circuit for rendering said last-mentioned means inoperative when the fusing end of the electrode is less than the predetermined distance from the work.

28. A feeder for electric welding electrodes comprising an apertured member adapted to have an electrode passed therethrough; and means for reciprocating said apertured member in a direction parallel to the axis of said electrode; said means also bodily oscillating said apertured member about an axis perpendicular to said first axis, said apertured member being immovable with respect to said means.

2,103,728

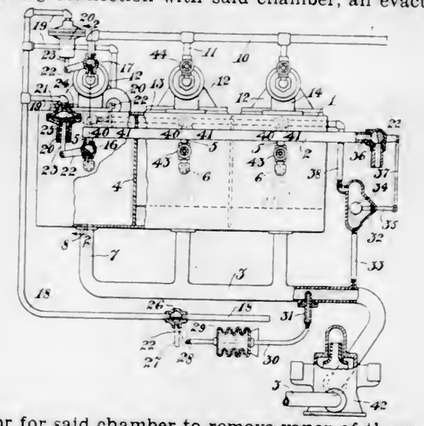
REFRIGERATING SYSTEM

John Kirgan, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application July 26, 1934, Serial No. 736,994

12 Claims. (Cl. 62—152)

1. In a refrigerating system an evaporator having a chamber to which a liquid refrigerant is supplied to be cooled, means for regulating the refrigerant supplied comprising a float container having connection with said chamber, an evacu-



ator for said chamber to remove vapor of the refrigerant therefrom, and means for interrupting communication between said container and said chamber and rendering the evacuator inoperative under predetermined working conditions.

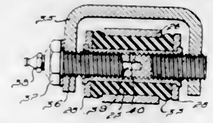
2,103,729

SPRING OR SHACKLE MOUNTING

John W. Leighton, Port Huron, Mich.

Application May 18, 1935, Serial No. 22,229

4 Claims. (Cl. 287—85)



4. A joint comprising an elongated member, resilient means around the member, means on one end of the member engaging the resilient means, an outwardly directed projection on the other end of the member, and a collar having an opening adapting it to pass over the latter end of the member, said collar having a shouldered recess in its outer side for receiving the projection and for locking the collar against turning and rendering it necessary to move the collar inwardly and to compress the resilient means before the collar can be turned to a position where it can be removed axially over the projection.

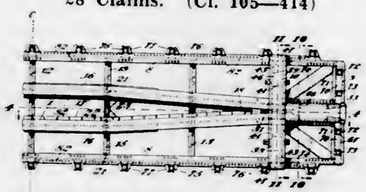
2,103,730

WELDED CAR UNDERFRAME

Roy A. Lewis, Bethlehem, and Charles Schenck, Coopersburg, Pa., assignors to Bethlehem Steel Company, a corporation of Pennsylvania

Application December 29, 1934, Serial No. 759,704

28 Claims. (Cl. 105—414)



1. A car underframe, a center sill comprising a pair of rolled flanged sections, side sills in-

tegrally connected to the center sill by means of end sills, body bolsters and cross-ties, a socket formed in the lower surface of the center sill at the center of each body bolster, and a center plate seated in each socket and welded to the pair of rolled flanged sections forming the center sill.

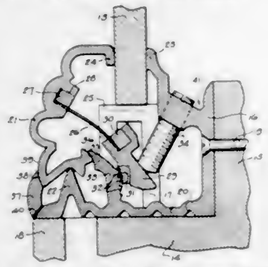
2,103,731

SASH AND STORE FRONT CONSTRUCTION

Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 8, 1937, Serial No. 141,481

15 Claims. (Cl. 20—56.4)



1. In a sash or store front construction, the combination of a fixed section and a movable section adapted to receive and grip a pane of glass therebetween, spring means carried by the movable section, a rigid member carried by the spring means, an adjusting member for acting upon the said rigid member to urge the sections into yielding engagement with the pane of glass, and means for limiting the movement of the said rigid member to prevent excessive pressure from being applied by the sections to the pane of glass.

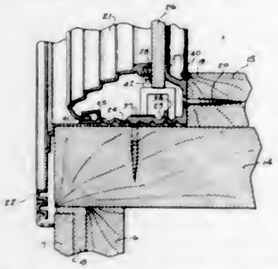
2,103,732

SASH AND STORE FRONT CONSTRUCTION

Clyde D. Lowry, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application May 8, 1937, Serial No. 141,482

12 Claims. (Cl. 20—56.4)



1. In a sash or store front construction, the combination of a fixed section and a movable section adapted to receive and grip a pane of glass therebetween, spring means carried by the movable section, a toothed end carried thereby, toothed means associated with the fixed section adapted to receive the toothed end of the spring means, and means for rocking the toothed end on the spring means when in engagement with the toothed portion of the rigid member to urge the sections into yielding engagement with the pane of glass.

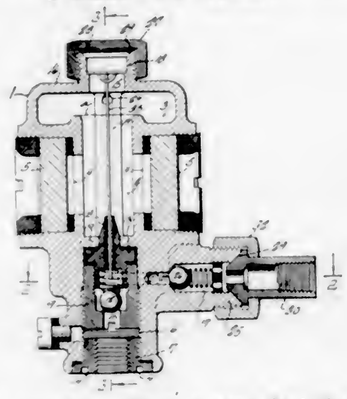
2,103,733

SIGHT FEED DEVICE

William James Powers, Detroit, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine

Application October 27, 1933, Serial No. 695,425

1 Claim. (Cl. 184—96)



In a lubricator device, a sight feed chamber having a bore in a wall thereof, a passage communicating with said bore and having a diameter greater than that of said bore whereby to form a shoulder, a unitary feed nozzle and check valve assembly comprising a valve seat member having a threaded exterior for insertion in said passage, an aperture extending axially through said member, a shoulder in said aperture forming a valve seat, a feed nozzle fixed in said aperture and having an axial passageway therein, a check valve seated on said second shoulder, a spring cooperating with said valve to maintain it in closed position, said feed nozzle having a shoulder thereon cooperating with said first named shoulder, and a projecting tip, said tip extending through said bore into said chamber and said shoulder forming a seal against said first named shoulder between said chamber and said passage.

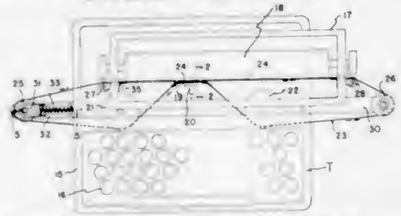
2,103,734

TYPEWRITER

William H. Schmidt, Wauwatosa, Wis.

Application March 9, 1936, Serial No. 67,945

4 Claims. (Cl. 197—153)



4. The combination with a typewriter including a frame, a reciprocating carriage on said frame, a platen roller rotatably mounted upon the carriage, spaced ribbon guides on said carriage, and feed and take-up spools on the frame, of means for making an original and a duplicate copy on the typewriter including, an endless ribbon, guide rollers for the ends of the endless ribbon carried by and extending beyond the sides of the frame, a longitudinally extending ribbon guide mounted upon said carriage in front of the platen roller and in rear of the first mentioned ribbon guides, guide rollers on said carriage disposed between the ribbon guides on the carriage and the guide rollers on the frame, the ribbon including front and rear stretches, the front stretch being threaded through the first mentioned guides and over the feed and take-up spools, the rear stretch being trained through the longitudinally extending guide on the carriage and over the guide rollers on the carriage.

2,103,735

METHOD OF ISOLATING THE FOLLICLE HORMONE FROM THE URINE OF PREGNANT INDIVIDUALS

Walter Schoeller, Berlin-Westend, Germany, Erwin Schwenk, New York, N. Y., and Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, assignors to Schering-Kahlbaum A. G., Berlin, Germany

No Drawing. Application January 30, 1934, Serial No. 708,966. In Germany January 31, 1933

10 Claims. (Cl. 260—131)

1. A method of isolating follicle hormones from crude solutions containing small amounts of follicle hormones together with a relatively large amount of other substances of diverse character which normally accompany the hormones in such crude solutions, said solutions not having been treated by chemical means to obtain more concentrated solutions of said hormones or to isolate the same in more or less purified state, which comprises subjecting said starting material to the action of a reagent for ketonic compounds which is capable of forming condensation products with said hormones, and separating the reaction product.

2,103,736

ALKYL DERIVATIVES OF PHENOLS AND A METHOD OF PRODUCING THE SAME

Siegfried Skraup, Wurzburg, Germany, assignor to Schering-Kahlbaum A. G., Berlin, Germany, a corporation of Germany

No Drawing. Original application July 15, 1936, Serial No. 90,723. Divided and this application March 9, 1937, Serial No. 129,811. In Germany June 13, 1933

13 Claims. (Cl. 260—154)

1. A method for the production of alkyl substitution products of phenols, comprising condensing an alcohol with a phenol in the presence of a heteropolyacid.

3. A method according to claim 1, wherein 1 to 10% of heteropolyacid calculated on the weight of the reaction components are used as condensing agent.

2,103,737

MEANS FOR ATTACHING SKATES TO SHOES

Frank Georg Tappé, Oslo, Norway

Application January 10, 1935, Serial No. 1,082

In Sweden October 5, 1934

6 Claims. (Cl. 280—11.31)



1. In a skate having a footplate rigidly connected thereto and toe clamps, the combination of springy lugs adapted to engage the heel of the shoe and mounted for swinging movement about an axis through the plane of the foot plate near to and rearwardly of the midportion of said footplate and spring means to draw said lugs resiliently towards said skate.

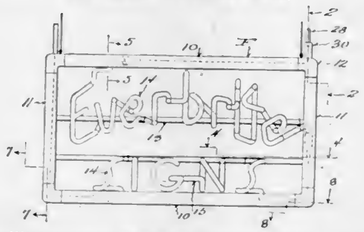
2,103,738

ILLUMINATED SIGN

Charles J. Wamser, Milwaukee, Wis.

Application October 2, 1936, Serial No. 103,650

1 Claim. (Cl. 40—130)



An illuminated skeleton display sign comprising, a tubular frame consisting of stretches split longitudinally to provide access to the interior of the frame, means for securing the sections together, brackets connecting the ends of said stretches, a support carried by said frame, and a gas tube attached to said support and having its electrodes and connections housed within said frame.

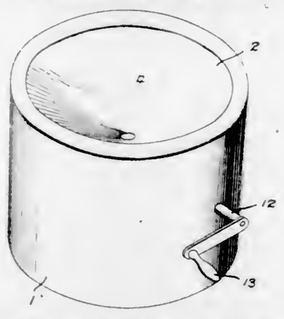
2,103,739

TALKING DEVICE

Howard J. Whelan, Baltimore, and Louis T. Clark, Ellicott City, Md.

Application November 4, 1932, Serial No. 641,294

1 Claim. (Cl. 274—1)



In a manually operated phonograph, the combination of a box of hollow cylindrical form having an opening in one end thereof, a diaphragm disposed in the said opening, a stylus attached to said diaphragm, a shaft extending diametrically through said cylindrical box, a handle for turning said shaft, a record mounted on the shaft within the box, said record being engaged by said stylus to reproduce sound.

2,103,740

AIR SCREW BLADE PITCH CONTROLLING MECHANISM

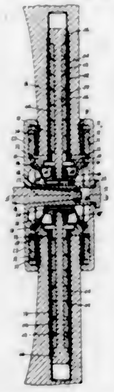
Grettir Algarsson, Montreal, Quebec, Canada, assignor to Hartland de Montarville Molson, Montreal, Quebec, Canada

Application April 23, 1936, Serial No. 75,961

14 Claims. (Cl. 170—162)

1. In an airscrew, a hub casing, blades having an axial bore rotatively mounted in said hub cas-

ing, a blade pitch controlling mechanism comprising rods sliding in the bore of said blades, a series of weights slidable on said rods, means for progressively intercepting said weights to vary the total effective centrifugal mass of the weights



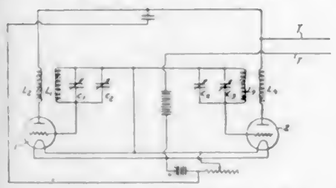
and rods, and means to convert the movement of said weights and rods under certifugal force into rotary movement of the airscrew blades about their axes in equilibrating relation with the aerodynamic forces acting on the blades.

2,103,741

FLOWMETER

Isaac Bencowitz, New York, N. Y., assignor to Texas Gulf Sulphur Company, a corporation of Texas

Application March 12, 1932, Serial No. 598,529
2 Claims. (Cl. 73—205)



1. Apparatus for measuring the flow of fluid through a conduit which comprises two variable capacity electrical condensers, means for placing each condenser in operative engagement responsive to variations in pressures at spaced points in the conduit, means for operatively connecting each condenser with a separate oscillating electrical circuit, and means for combining the electrical effects of the separate circuits to indicate a measure of the fluid flow.

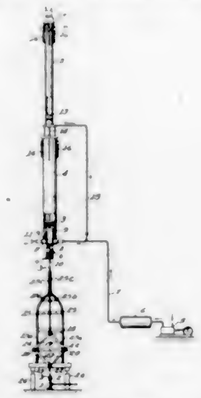
2,103,742

MOTOR APPARATUS FOR PUMPING AND OTHER PURPOSES

Richard H. Carr, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

Application June 30, 1932, Serial No. 620,178
10 Claims. (Cl. 121—118)

1. Motor apparatus comprising a cylinder, a piston slidably mounted in said cylinder, said piston having a gravity load suspended therefrom, means for admitting an elastic working fluid under pressure into said cylinder to effect the elevation of said piston and its suspended load, and compensating means between said piston and the suspended load, said compensating means serving to effect substantially uniform linear travel of the piston and its load in the lower part of the up stroke of said piston and increased linear travel of said piston with respect to the suspended load during the upper portion of the up stroke of said piston.

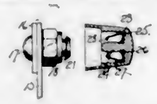


2,103,743

SEALED FASTENING DEVICE

Arthur A. Doty, East Hartford, Conn., assignor of one-third to Raymond S. Holcomb, East Hartford, Conn., and one-third to Howard L. Bitter, West Hartford, Conn.

Application April 30, 1935, Serial No. 19,035
6 Claims. (Cl. 292—327)



1. A sealed fastening device including two holding members engaged one with the other, a sealing cap of frangible material to cover and enclose one of said members, an interengaging stud and hole on one of said members and cap to tightly hold said cap to prevent rattling thereof and means within said cap to permanently retain said cap in place, said means comprising a spider having a hole to receive said stud, jaws to engage said stud to hold the spider in place, and retaining fingers to engage one of said holding members to permanently secure the cap in place.

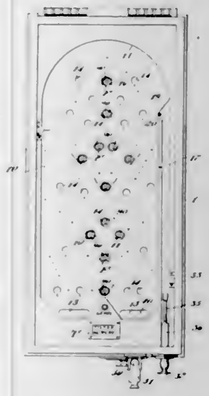
2,103,744

MACHINE FOR GAME PLAYING

Clifford R. Dumble, Arlington, Mass., assignor, by mesne assignments, to Joseph L. Zelaskow, New York, N. Y.

Application June 14, 1933, Serial No. 675,719
36 Claims. (Cl. 273—121)

8. A machine of the class described comprising a trigger switch adapted to be actuated under certain conditions of play, a playing disk-returning mechanism, including an electrically actuable mechanism, in circuit with said switch, a main switch in said circuit, means operable in response to energization of the electrically actuable mechanism to emit a set of playing disks, means operable thereafter to open said main switch and prevent further operation of the electrically actuable mechanism, and means to receive a playing disk and then to close the main



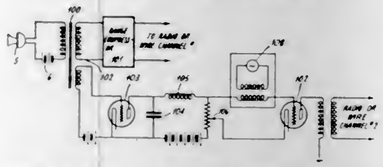
switch to permit repeated play and repeated operation of the disk-returning mechanism after another playing disk has been inserted in said last-named means.

2,103,745

TRANSMISSION AND RECEPTION OF INTELLIGENCE

Samuel G. Frantz and Brunson S. McCutchen, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 23, 1935, Serial No. 17,775
6 Claims. (Cl. 250—6)



1. The steps in a method of communicating signals of variable intensity which comprise, compressing the intensity range of the original signals, transmitting the compressed intensity range signals by modulating a carrier wave by the compressed intensity range signals, generating an auxiliary frequency which is low relative to the frequency of the compressed signals, modulating a carrier wave by said auxiliary frequency and controlling the degree of modulation thereof by the average intensity of the original uncompressed signals.

2,103,746

LIGHT WEIGHT CONSTRUCTION COMPOSITION

Henry Guth, Cleveland, Ohio, assignor of one-twelfth to Hugo A. Maerlender, Cleveland, Ohio

No Drawing. Application November 18, 1935, Serial No. 50,404
5 Claims. (Cl. 106—10)

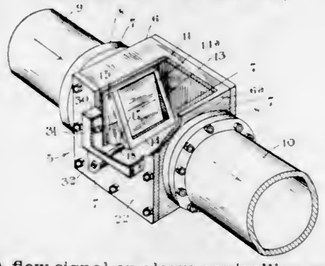
1. A lightweight construction composition comprising an ordinary clay, a yeast-like clay, fireclay, silicate of soda, sulphur and water and heated to from 650 degrees F. to 2100 degrees F.

2,103,747

FLOW CONTROLLED SWITCH

William R. Hamilton and Robert W. Hamilton, Montreal, Quebec, Canada, assignors to Dominion Electric Protection Company, Montreal, Quebec, Canada

Application February 26, 1936, Serial No. 65,760
5 Claims. (Cl. 200—81)



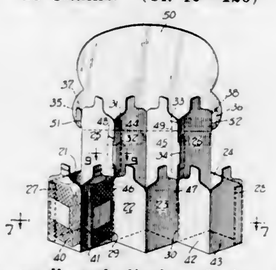
1. A flow signal or alarm controlling means for sprinkler systems and the like comprising a conduit, a magnet, a circuit controller, and means whereby the relative positioning of the magnet and circuit controller is automatically varied in accordance with hydraulic conditions prevailing in the conduit to control operation of the signal or alarm, the normal relative positioning of the magnet and circuit controller being such that the latter is prevented by the attraction of the magnet from effecting operation of the signal.

2,103,748

CARDBOARD DISPLAY DEVICE

John V. Horr, Hastings on Hudson, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware

Application August 10, 1937, Serial No. 158,318
13 Claims. (Cl. 40—126)



1. In a cardboard display device, a pair of zigzag blanks in lazy-tongs interengagement, each blank having portions of lesser height and other portions of greater height, the low portions conjointly defining a continuous bottom tier of display panels arranged side by side in zigzag relation, the high portions conjointly defining a continuous upper tier of display panels arranged side by side in zigzag relation.

2,103,749

ACCELERATOR OF VULCANIZATION

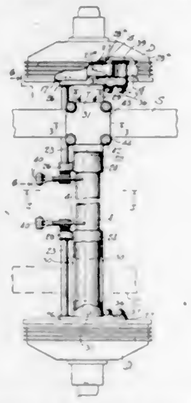
William P. ter Horst, Silver Lake, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application September 28, 1933, Serial No. 691,354. Renewed June 10, 1937. In Canada July 3, 1933
11 Claims. (Cl. 18—53A)

1. The process of accelerating the vulcanization of rubber which comprises vulcanizing in

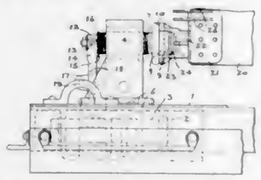
the presence of an organic sulphur-containing accelerator and diphenylguanidine neutral maleate.

2,103,750
BRAKE AND ANCHORING MEANS THEREFOR
Lloyd D. Kay, Alhambra, Calif., assignor to Kay Brunner Steel Products, Inc., a corporation
Application February 10, 1936, Serial No. 63,174
13 Claims. (Cl. 188—205)



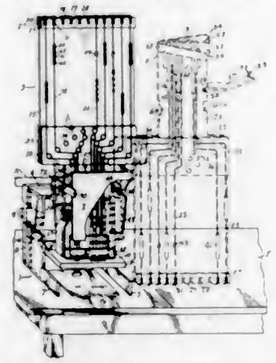
1. In combination; a vehicle axle; a sleeve surrounding said axle and having means to permit constriction thereof to embrace the axle; a member fixed on the sleeve; a plate adapted to be superposed on a spring seated on said member; and U-bolts embracing the sleeve and adjustable in said plate for constricting the sleeve to clamp said axle.

2,103,751
MEANS FOR LOCKING GOODS CONTAINERS ON TRANSPORTATION VEHICLES
William P. Kellett, New York, N. Y.
Application February 28, 1935, Serial No. 8,685
8 Claims. (Cl. 105—366)



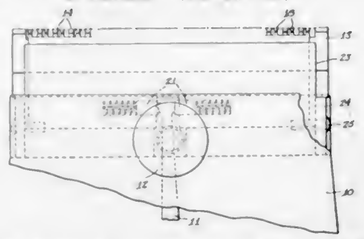
1. In a transportation vehicle having a goods container movably mounted thereon, the combination with jacks pivotally mounted on said vehicle to be lowered out of the path of movement of the container or raised to an obstructing position, of socket members carried by said containers having tapered sockets, a jack screw mounted on each of said jacks and having a tapered end to enter in locking engagement with the socket members on said containers irrespective of slight variations encountered in the heights and disposition of the sockets of different containers, and contact means engageable after entry of the tapered ends of the jack screws into said tapered sockets a predetermined distance to prevent further entry and thereby relieve said sockets of excessive wedging thrusts.

2,103,752
TAG PRINTING DEVICE
Herman I. Lippard, Lansdowne, Pa.
Application August 29, 1933, Serial No. 687,258
9 Claims. (Cl. 101—93)



1. In a tag printing device, the combination of a base, a housing mounted on said base for reciprocation to and away from the printing surface, a type-carrying plate of flat form pivotally mounted on the housing so that it may be swung in and out of the housing and having one end parallel to the printing surface, a line of changeable type carried by said end of the plate and means to reciprocate the housing to bring said line of type into contact with the printing surface.

2,103,753
SHAVING IMPLEMENT
Joseph Muros, Cambridge, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application April 29, 1936, Serial No. 76,999
4 Claims. (Cl. 30—42)

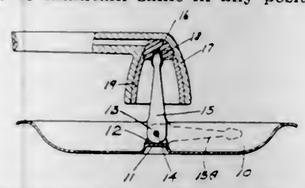


1. A shaving implement having relatively movable tooth-carrying members each equipped with a series of spaced teeth having their upper faces ground in a common plane, having rounded hair-directing ends and being shaped also to lift hairs into upright position as they enter the space between adjacent teeth.

2,103,754
ASHTRAY
Austin W. Pearce, Memphis, Tenn.
Application February 24, 1936, Serial No. 65,183
2 Claims. (Cl. 131—51)

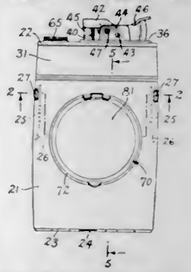
1. The combination with an ash tray having a pair of lugs positioned inwardly from the periphery thereof, and extending rigidly upward from the base thereof, and a substantially flat blade pivotally secured between said lugs, said blade being adapted to be manually swung from

a substantially horizontal position on one side of said pivot to the similar oppositely disposed position, said lugs frictionally engaging the sides of said blade to maintain same in any position to



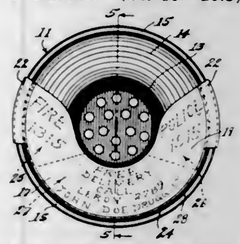
which said blade may be so swung, said tray being of such dimensions relative to the length of said blade, and said lugs being so positioned relatively to the edges of said tray that in no position shall said blade extend beyond said tray.

2,103,755
COMBINED VANITY CASE, CIGARETTE CASE, AND LIGHTER
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application January 22, 1934, Serial No. 707,694
5 Claims. (Cl. 206—41.4)



1. In an article of the class described, in combination, a container having an enclosure in the upper portion thereof, a cover plate hingedly connected to one edge of said container and extending therefrom to said enclosure, said cover plate having an aperture therein, a lighter mounted on one of the walls of said enclosure, and a receptacle mounted in said aperture in said cover plate and having a wall which forms a wall portion of the container when the cover plate is in closed position.

2,103,756
ADVERTISING DEVICE
Clarence Rinehimer, Chicago, Ill.
Application August 6, 1936, Serial No. 94,522
3 Claims. (Cl. 40—10.5)

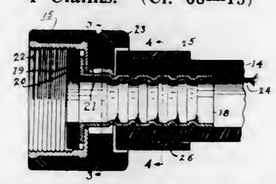


2. A telephone mouthpiece of the flared tubular type, in combination with an advertising device comprising a segmental web portion conforming substantially to the shape of the inner surface of said mouthpiece and extending more than 180° around the same, and a pair of resilient arms adjacent the ends of said web and engaging over the edge of said mouthpiece, said arms having portions extending on each side of a median passing through the longitudinal axis of the mouthpiece and detachably securing the web in position.

2,103,757
GATHERING OF SALT
John B. Semple, Sewickley, Pa.
No Drawing. Application June 29, 1937, Serial No. 150,959
1 Claim. (Cl. 23—41)

The method herein described of gathering crystalline material free of dross from a native bed of evaporation and incrustation, supplied from beneath with a continuous solution of the material to be collected which consists in spreading upon and in contact with the surface of the bed a mat of water-penetrable material, allowing the heat of the sun to evaporate the solution, with the consequent effect of bringing about upon the surface of the mat an incrustation that is separated from the native bed by the intervening substance of the mat, and removing the incrustation from the surface of the mat.

2,103,758
GROUND CONNECTION FOR ELECTRICAL APPLIANCES
Arthur W. Seyfried, Cleveland, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 8, 1933, Serial No. 684,191
4 Claims. (Cl. 68—15)

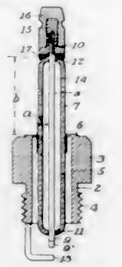


4. A portable electrically operated laundry machine comprising a tub having a working opening in the top thereof, an ambulant supporting structure for the tub having electrically non-conducting floor-engaging wheels, a hollow metal fixture for liquid fixedly carried at the top of the tub and in electrical contact with the structure of the machine, said fixture having a nozzle adapted to discharge into the upper portion of the tub, a liquid supply hose connected at one end to said fixture, a fitting at the other end of said hose for detachably connecting the same to a water supply line, and electrically conducting means carried by the hose having electrical contact with said fixture and fitting whereby the machine is electrically grounded to the water supply line when the hose is connected thereto, the exterior of said fitting being of substantial size and formed from an electrically insulating material whereby its manual manipulation may be readily effected without danger to the operator.

2,103,759
SPARK PLUG AND METHOD OF MAKING THE SAME
Semon H. Stupakoff, Pittsburgh, Pa., assignor to The Spark King Corporation, New York, N. Y., a corporation of Delaware
Application August 30, 1937, Serial No. 161,618
26 Claims. (Cl. 123—169)

1. A spark plug comprising a metal supporting body, a transparent insulator, an electrode pass-

ing through the insulator and sealed thereto, and a metal member permanently fused to the metal



body and fused to the insulator for securing the insulator to the body and forming a gas-tight seal.

2,103,760

TUBE CLEANER

John R. Turner, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application April 15, 1935, Serial No. 16,292
3 Claims. (Cl. 15—104.14)



1. A rotary tube cleaner comprising, in combination, a central shaft, means for attaching one end of said shaft to a rotary motivating means, a cap attached to the opposite end of said shaft, transverse stationary pins extending through the sides of said cap and held in place by said shaft, weighted arms pivotally attached to said cap by means of said pins and extending generally parallel to the shaft, and cutters attached to one end of each of said weighted arms.

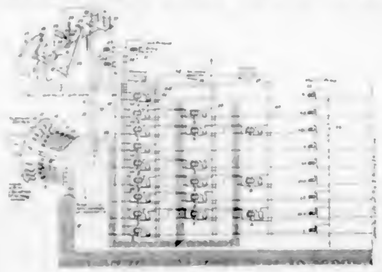
2,103,761

SELECTING SYSTEM

Evan R. Wheeler, North Plainfield, and Emerson J. Sortore, Metuchen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application January 20, 1930, Serial No. 422,150
13 Claims. (Cl. 177—353)

9. In a selecting system, a plurality of groups of selecting relays, a selector variably operable in accordance with received characters for selectively operating said relays, switching means operable at each actuation of said selector for associating said selector with a succeeding group of said selecting relays, a plurality of groups of electromagnets corresponding respectively to the groups of selecting relays, means for conditioning for operation an electromagnet in the first group in accordance with the selecting relay operated in the first group, and means for conditioning for operation an electromagnet in each succeeding group in accordance with the select-



ing relay operated in the corresponding group and the selecting relay operated in each group preceding the said corresponding group.

2,103,762

PROCESS FOR REFINING METALS

Jesse O. Betterton, Metuchen, N. J., and Charles N. Waterman, Monterrey, Mexico, assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application July 3, 1934, Serial No. 733,624
4 Claims. (Cl. 75—76)

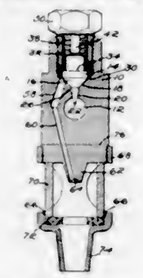
1. The process of treating copper alloys containing zinc, lead and tin which comprises forming a bath of the alloys, and halogenizing the resulting bath until a partial elimination of the tin and substantially complete elimination of zinc and lead is effected thereby leaving a refined copper-tin alloy in marketable condition as a residue.

2,103,763

FLUID PRESSURE RESPONSIVE FEEDER

Frederick C. Blanchard, Brookline, Mass.

Application January 11, 1935, Serial No. 1,360
20 Claims. (Cl. 184—7)



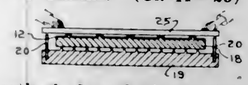
1. In a fluid pressure responsive feeder for a lubricating system in which the lubricant to be fed to one or more bearings is subjected to pulsating pressure, the combination of a valve seat, a valve which is normally seated on said seat and which is unseated and reseated in response to pressure pulsations, and a metering device having an orifice whose area increases toward said valve and through which orifice the lubricant flows to said valve to unseat the latter, said metering device including a metering element operated by said valve and cooperating with said orifice to increase the effective area of the latter to a predetermined amount when said valve is unseated.

2,103,764

METHOD OF MAKING LEVEL FACED MATRICES

Clarence E. Boutwell, Birmingham, Ala.

Application February 15, 1936, Serial No. 64,027
3 Claims. (Cl. 41—25)



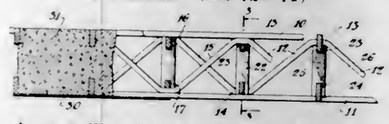
2. The method of producing matrices for printing plates which comprises first forming a preliminary matrix by superposing a relatively thin metal foil sheet over a foundation of yieldable material capable of receiving and retaining an impression, forming an impression in the preliminary matrix by impressing a design into the metal foil, forming a wax cameo model from the preliminary matrix, stripping the foundation from the wax model leaving thereon a sheet of metal foil, mounting the wax model thus formed upon a grid comprising a multiplicity of sharp prominencies, leveling the cameo surfaces of the model by pressing downwardly thereon with a smooth level surfaced member, and casting a hard intaglio matrix from the wax model.

2,103,765

SLAB

Herbert H. Bunker, Jersey City, N. J.

Application June 26, 1936, Serial No. 87,445
4 Claims. (Cl. 72—71)



1. A metallic skeleton for a slab comprising longitudinally-extending truss beams and cross-bars, each truss beam having upper and lower chord members in the form of upper and lower bars and a bent bar in between the upper and lower bars with reverse loops at the ends of straight portions forming diagonal truss members, said bent bar being continuous for several loops and having the outside portions of the loops engaging the upper and lower bars, and vertical strut members each having an end abutting the inside of a loop in the bent bar and an end abutting the inside surface of the longitudinal chord member opposite the engaged loop so as to serve as a brace between the upper and lower chords of a truss beam, the alternate vertical strut members being arranged in inverted relation in reference to the intermediate vertical strut members so that all of the upper and lower loops of the bent bar are engaged by the vertical strut members.

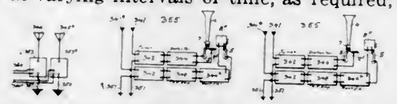
2,103,766

SYNCHRONIZED SOUND AND PICTURE CONTROL

Thaddeus Cahill, New York, N. Y.; Arthur T. Cahill, Eleanor Cahill, and George Frederick Cahill, executors of the estate of said Thaddeus Cahill, deceased

Application November 24, 1930, Serial No. 497,794
73 Claims. (Cl. 250—6)

1. The method of producing simultaneously on the premises of subscribers sounds and pictures relevant thereto, which consists in (*a*) producing pictures suitable to accompany the intended sounds; (*b*) duplicating these pictures in a suitable manner; (*c*) distributing the pictures so duplicated to the subscribers for use on their several premises respectively; (*d*) distributing from a central station electrical impulses by which words are carried that are to be heard on the premises of the subscribers; and (*e*) controlling electrically from the central station, the pictures aforesaid, changing them simultaneously on the premises of the subscribers from time to time and at varying intervals of time, as required, so



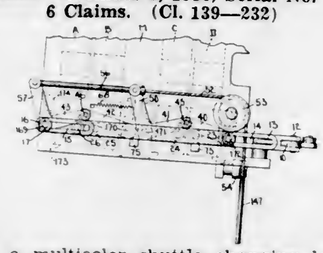
that said pictures show on the screen, in general, each for a period of time much greater than the time of visual persistence and, in some cases, for many times the time of visual persistence, and so that also the several pictures of a set are displayed on the premises of the subscribers at correct times with relation to the sounds broadcast from the central station and to which such pictures severally relate.

2,103,767

COLOR SELECTOR FOR SHUTTLE CHANGING LOOMS

Albert Cederlund, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 4, 1936, Serial No. 109,098
6 Claims. (Cl. 139—232)



1. In a multicolor shuttle changing loom, a magazine having groups of distinctive reserve shuttles, a reserve shuttle releaser for each group, a reciprocable member, a rockable element secured to each releaser, a carrier arm secured to each rockable element, a plunger carried by each carrier arm, cam means on the reciprocable member to depress the plungers one at a time, and means operative when a shuttle changing operation of the loom is called to engage a depressed plunger and cause movement of the corresponding carrier arm and releaser.

2,103,768

ACID-PROOF SELF-HARDENING COMPOSITIONS

Karl Dietz, Frankfort-on-the-Main, and Karl Frank, Bad Soden in Taunus, Germany, assignors, by mesne assignments, to Pen-Chlor, Inc., Philadelphia, Pa., a corporation of Delaware

No Drawing. Application April 5, 1935, Serial No. 14,918. In Germany April 14, 1934
10 Claims. (Cl. 106—22)

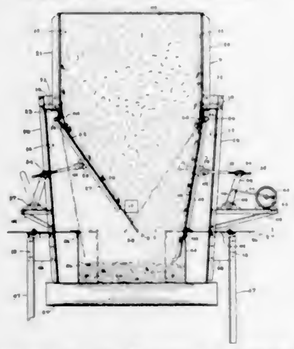
1. Acid-proof self-hardening compositions containing a liquid phenol-aldehyde resin capable of being hardened and a neutral ester of a mineral acid and an aromatic-aliphatic alcohol said ester being of a character and in an amount sufficient to render the composition self-hardening and stable against acids and alkalies.

2,103,769

METHOD OF AND MEANS FOR FORMING FELTED STRIPS

Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash County, Ind.

Application July 5, 1935, Serial No. 29,944
Renewed September 4, 1937
10 Claims. (Cl. 19—155)



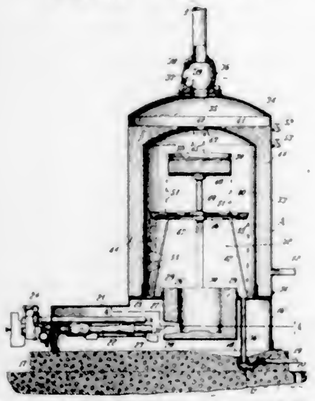
3. An apparatus for forming a layer of felted fibers comprising a chamber for receiving the fibers, a movable surface at the bottom of the chamber on which the fibers may be deposited, and a guide leaf hingedly connected with a side of the chamber and depending therefrom, and means for swinging the guide leaf back and forth over the movable surface whereby fibers which have settled on the guide leaf may be distributed over the movable surface.

2,103,770

METHOD AND APPARATUS FOR GENERATING HEATING MEDIUM

Clayton A. Dunham and Aubra R. Dunham, Glencoe, Ill., assignors to Experimental Laboratories Incorporated, Chicago, Ill., a corporation of Illinois

Application December 31, 1934, Serial No. 759,966
In Canada June 4, 1930
8 Claims. (Cl. 237—1)



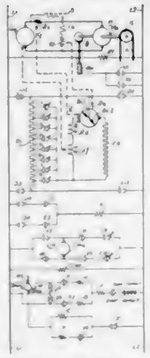
1. The method of supplying a mixed fluid heating medium consisting of products of combustion and steam, consisting in burning fuel within a closed combustion space substantially surrounded by a body of water, the water overflowing within the space in contact with the rising products of combustion, withdrawing the mixed heating medium from the closed space, and returning condensate from the withdrawn heating medium to the body of water.

2,103,771

CONTROL SYSTEM

William F. Eames, Pittsburgh, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application October 30, 1935, Serial No. 47,465
10 Claims. (Cl. 172—239)



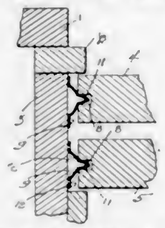
10. In a Ward-Leonard control system, in combination, a first dynamo-electric device operatively connected to a load, a second dynamo-electric device electrically connected to said first device, a field winding for said second device, a pair of direct current generators provided with series connected armatures connected to energize said field winding, each of said generators being provided with a shunt, series, and differential field winding, said shunt and series field windings being connected to be respectively responsive to the voltage across and the current flowing between said first and second devices, said differential field windings being connected in series circuit relation with said first mentioned field winding, and means for connecting said first mentioned field winding to a source of control current through a circuit connected between said armatures.

2,103,772

COMBINED WEATHER STRIP AND WINDOW GUIDE

Edmond J. Feiler, Madison, Wis.

Application February 29, 1936, Serial No. 66,480
2 Claims. (Cl. 20—69)



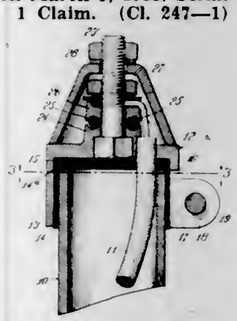
1. A combined window sash guide and weather strip comprising an elongated metal body having foot portions at its side edges for attachment to a window frame to hold the strip in place, a longitudinal medial rib formed on the body and having a relatively narrow top and sides flaring outwardly from the top toward the bottom of the strip, said rib adapted to be received in a groove of a window with the outwardly flaring side portions frictionally contacting the edges of the groove to seal the same and frictionally resist movement of the window, and similarly formed and shaped upwardly curved web portions between the foot portions and the medial rib and integral therewith and frictionally contacting the side edges of a window only at the point where the web portions meet the base of the medial rib and designed to contribute to maintainance of a tight closure and frictional support of the window.

2,103,773

PARKWAY CABLE OUTLET TOP MEMBER

Otto S. Flath, Chicago, Ill.

Application March 9, 1935, Serial No. 10,166
1 Claim. (Cl. 247—1)



In a parkway cable outlet involving a tubular stand, a top member composed of a top plate portion coextensive with the top of said tubular stand so as to cover the top of the stand and having a depending skirt portion integral with the entire perimeter of the top plate and disposed about the upper end of the tubular stand, the top plate being provided with a bolt receiving opening and with a cable-wire receiving hole, the depending skirt portion on one side and at a distance beneath the top plate portion being provided with a circumferentially disposed kerf extending substantially half way about the skirt portion, a vertically disposed kerf extending downwardly from said circumferentially disposed kerf, intermediate of the ends thereof, to the lower perimeter of the skirt, a pair of outwardly extending apertured lobes on opposite sides of the vertically disposed kerf, and means disposed through said lobes and adapted to force said lobes toward each other and thereby contract the skirt portion beneath the circumferentially disposed kerf into clamping relation with the tubular stand.

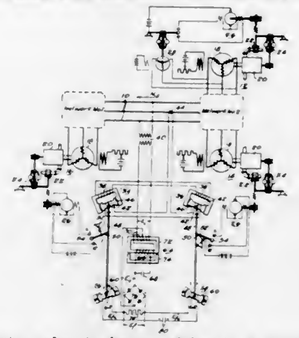
2,103,774

REGULATING SYSTEM

Erich Friedländer, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 29, 1935, Serial No. 52,075
In Germany February 27, 1935
14 Claims. (Cl. 171—119)

1. In an alternating-current system comprising apparatus, including a generating unit, having synchronously rotating masses, the combination with a regulator for maintaining within given limits a measure of the output of said unit of means for causing said regulator to be sensitive to departures in said output measure from a desired value and additional means for causing the regulator also to be sensitive to a measure of the energy supplied to or withdrawn from the rotating masses of said apparatus.

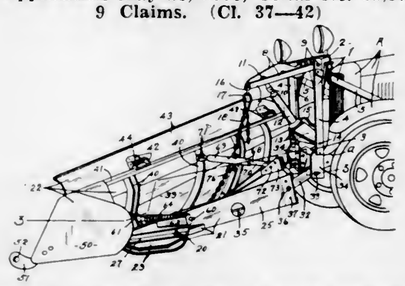


2,103,775

SNOW PLOW

Carl H. Frink, Clayton, N. Y.

Application May 28, 1936, Serial No. 82,304
9 Claims. (Cl. 37—42)



1. The combination with a snow plow mold board and a truck chassis having a supplemental frame connected therewith, of drive means including a single series of linkage elements having both forward and rearward horizontally disposed pivotal connections operatively connecting the mold board to the frame whereby the mold board may swing vertically about one of said pivotal connections and has forward and rearward tilting movement independent of said vertical movement about the second one of said pivotal connections, stop means associated with the linkage elements independently of the supplemental frame for limiting the downward vertical movement of the mold board to maintain the linkage elements in an upward inclination forwardly from their rearward pivots in all positions of the mold board, and adjustable means connected with the mold board for maintaining said mold board in a predetermined tilted position.

2,103,776

NOVEL GLUE PRODUCT FOR GLUING VENEERS AND CROSS-PLY SHEETS

Edouard Geistlich, Wolhusen, Switzerland

No Drawing. Original application December 24, 1934, Serial No. 759,085. Divided and this application November 18, 1936, Serial No. 111,555
In Germany October 28, 1933
7 Claims. (Cl. 134—23.8)

1. A glue product comprising a water solution of an animal glue material, carbamide, and aldehydes in a relation of said glue material to car-

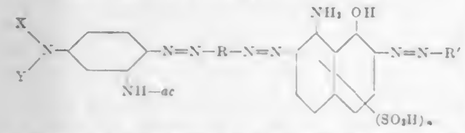
bamide varying between 3:1 and 6:1, and a relation of carbamide to aldehyde varying between 3:1 and 2.1.

2,103,777
DUCTILIZING PROCESS
John R. Gier, Jr., Penn Township, Allegheny County, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 13, 1935, Serial No. 40,417
2 Claims. (Cl. 148—11.5)

1. A process for improving the ductility of an iron cobalt alloy that has been reduced by a conventional rolling operation which comprises further working the alloy between 550° C. and 650° C. to deform it, raising the temperature of the alloy to between 900° C. and 975° C. and quenching the alloy to cool it at a rapid rate.

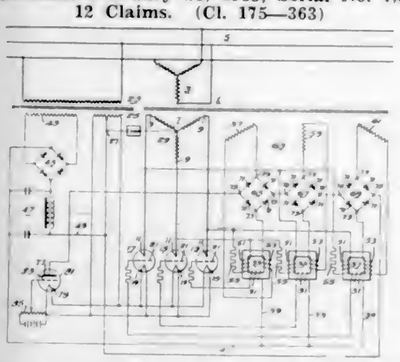
2,103,778
AZODYESTUFFS
Eugen Glietenberg and Friedrich Schubert, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 24, 1936, Serial No. 60,702. In Germany February 2, 1935
5 Claims. (Cl. 260—74)

1. Azodyestuffs of the general formula:



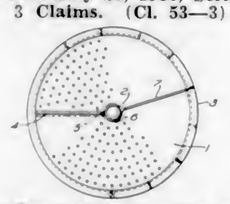
in which R represents a member selected from the group consisting of radicals of the benzene and diphenyl series, R′ means an aromatic radical, X and Y mean members selected from the group consisting of hydrogen, alkyl, aralkyl and aryl, *ac* means an acyl radical, and *n* stands for one of the numbers 1 and 2, dyeing in general black to bluish black shades and being particularly adapted for dyeing cellulose fibers and leather.

2,103,779
ELECTRIC DISCHARGE APPARATUS
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1935, Serial No. 7,696
12 Claims. (Cl. 175—363)



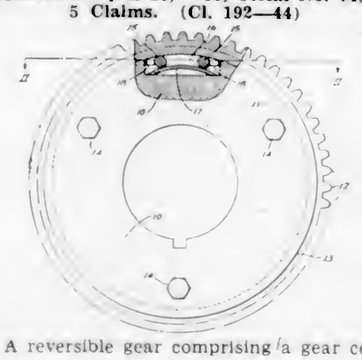
1. In combination a source of power, electric discharge means to be supplied from said source, said means comprising a plurality of pairs of electrodes between which a discharge is to be transmitted and means, independently associated with each pair of electrodes, for controlling the discharge between said pairs of electrodes, means for controlling the supply of power to said controlling means, the last said means including an element coupled to the controlling means associated with each pair of electrodes, the operation of which is dependent on variation in the current supplied thereto and means for varying the supply of current to each of said elements said means comprising a rectifying network having a pair of terminals to which alternating current is supplied through said elements and a pair of terminals from which direct current may be supplied, a unitary impedance supplied from the direct current terminals of all of said elements and means for varying said impedance.

2,103,780
SELF-MEASURING COFFEE BASKET
Donald Lee Hadley, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1936, Serial No. 64,865
3 Claims. (Cl. 53—3)



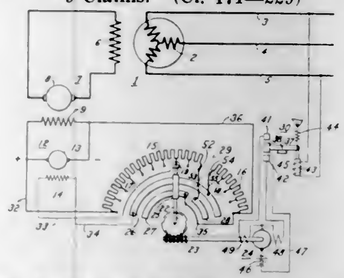
1. In a coffee-making machine, a cylindrical foraminate coffee container having a central tubular standard, a radial partition fixed to said standard and a movable radial partition pivotally secured on said standard whereby the closed portion of the container between said partitions may be varied, said tubular member being formed to receive a percolator tube, and graduations on the rim of said container adapted to cooperate with the movable partition to indicate the stationary volume between the partitions.

2,103,781
YIELDABLE GEAR
Harold F. Hanson, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 74,676
5 Claims. (Cl. 192—44)



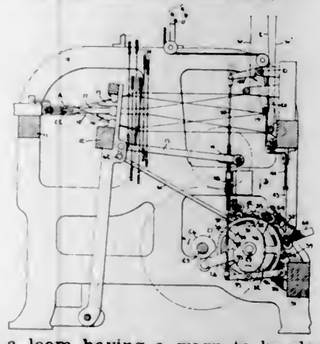
1. A reversible gear comprising a gear center, a gear rim rotatably mounted on the gear center, a pair of rollers disposed between the gear rim and the gear center, and resilient means disposed between the rollers and having a convex surface engaging both of said rollers to yieldingly hold them in contact with the gear rim, thereby wedging the rollers between the gear rim and the resilient means to transmit torque between the gear rim and the gear center.

2,103,782
REGULATOR
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1937, Serial No. 132,071
9 Claims. (Cl. 171—229)



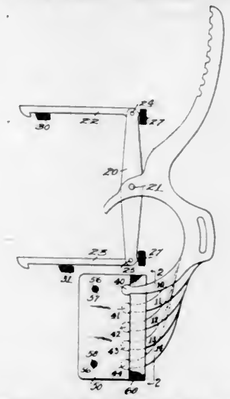
1. In a regulator system, a dynamo-electric machine having a field winding, means for controlling the excitation of said field winding comprising a resistor having two sections, means responsive to the regulated quantity for introducing varying parts of one resistor section in series with the field winding over a predetermined range in the required excitation of said machine, and for connecting said two resistor sections in series and varying the connection of said field winding in shunt relation to a portion of said resistor over another predetermined range in the required excitation of said machine.

2,103,783
SLACKENER CONTROL FOR LOOM WARPS
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 2, 1936, Serial No. 66,530
14 Claims. (Cl. 139—20)



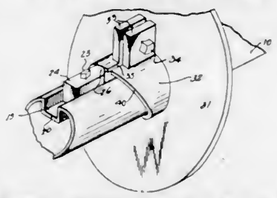
1. In a loom having a warp to be slackened, a slackener having a working slackening stroke followed by a return non-slackening stroke, a control member for the slackener to have two different motions one of which occurs during the working stroke of the slackener and the other of which occurs during the non-working stroke of the slackener, and two actuators for the member, the first actuator to be operatively related to the member at relatively long intervals to give said member the first of its said motions, and the second actuator brought into operative relation by the first motion of the member and operative to give said member its second motion.

2,103,784
LOOM DOBBY
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application December 21, 1936, Serial No. 116,975
6 Claims. (Cl. 139—71)



4. A plurality of harness jacks, a pair of actuating dobby knives selectively connected to indicated jacks, and means to give all parts of each knife equal travel whereby all operative positions of each knife are parallel, said harness jacks being of such relative proportions and leverage that said defined movements of said knives will effect movements of said jacks which increase progressively toward the back of the loom.

2,103,785
WARP BEAM
Charles R. Howard, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 18, 1935, Serial No. 45,586
3 Claims. (Cl. 242—124)



1. In a warp beam, a barrel having a smooth warp thread engaging surface, a warp space defining head movable along the barrel, a member to be secrued to the barrel along the length thereof, a second member carried by the head to engage the first member, one of said members having two cam faces each oblique with respect to the

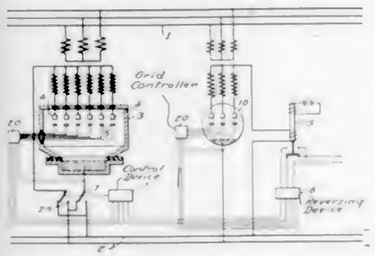
axis of the barrel, the cam faces extending from a low point on one side of the barrel around opposite sides of the barrel to a high point diametrically opposite the low point, rotation of the head about the barrel in one direction when one cam face engages the first member causing the head to move along the barrel in a given direction, and rotation of the head in the opposite direction when the other cam engages the first member also causing the head to move along the barrel in said given direction.

2,103,786

ELECTRICAL CONVERSION SYSTEM

Erwin Janetschke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 25, 1935, Serial No. 18,095
In Germany April 26, 1934
4 Claims. (Cl. 171—97)



4. A reversible electric current transmitting system comprising two alternating current circuits, an intermediate direct current circuit, main valve type converters connected between said direct current circuit and the respective alternating current circuits, an auxiliary valve type converter connected in parallel with each of said main converters said auxiliary converters being of less capacity than said main converters but having sufficient capacity to carry the light load energy transfer between said circuits, said auxiliary converters having current-voltage characteristics such that at normal energy transfer, the main converters assume the load at low energy transfer, the auxiliary converters assume the load, switching means for reversing the terminal connections of said main converters and means responsive to the load conditions of said auxiliary converter for determining the operation of said switching means.

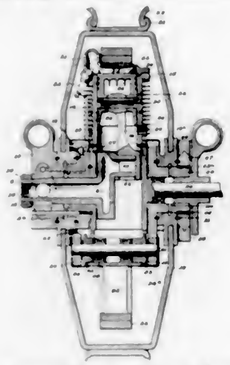
2,103,787

INTERNAL COMBUSTION ENGINE

Pierce R. McCrary, York, Pa., assignor of twenty-five percent to Irwin H. Linton and ten percent to Frances Perry Mauro, both of Washington, D. C.

Application February 28, 1936, Serial No. 66,275
5 Claims. (Cl. 123—44)

1. An internal combustion engine comprising: a stationary crank shaft; a rotatable cylinder-carrying member mounted on said crank shaft; a driving gear mounted upon a bearing constituting a support for said engine and rotatable upon said crank shaft, and a driven gear mounted upon a bearing constituting a support for said engine and rotatable with said support, each of said gears being concentric with said cylinder-carrying member; a clutch member for said driving gear, operable to hold said driving gear against rotation to transmit motion from said cylinder-carrying member to said driven gear



and when released to enable said engine to run idle; and a pair of concentric intermediate gears carried by said cylinder-carrying member.

2,103,788

VENETIAN BLIND

Herbert H. Mohrfeld, Collingswood, N. J.

Application March 19, 1935, Serial No. 11,855
5 Claims. (Cl. 156—17)



1. A slat for Venetian blinds and the like, one face at least of said slat having a plurality of adjoining narrow highly reflecting surfaces disposed at an angle to the plane of the slat and to each other, the juncture of said surfaces being of clearly defined angular formation.

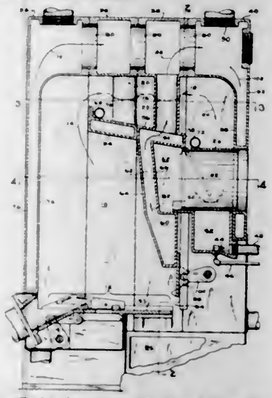
2,103,789

DOMESTIC HEATER

Donald J. Mosshart, Springfield, Pa., assignor of one-half to Harold F. Hildreth, Mansfield, Ohio

Application September 30, 1935, Serial No. 42,787
13 Claims. (Cl. 122—225)

4. In a domestic fluid heater, in combination, water cooled walls forming a closed compartment, a wall extending transversely of said compartment for a part of the height thereof to divide it into a combustion chamber and space for passages with convection-heated surfaces, a deflector wall on top of said transverse wall extending over the chamber and oppositely beyond said transverse wall, means in the vertical passage behind said transverse wall and below the deflector wall to split the gas stream and reduce its total cross-section and increase its velocity, a baffle for each section of the split stream and having a substantially horizontal lower edge, means to turn the gas streams sharply beneath said lower edge, said splitting means comprising a flue for merging and carrying off said streams and a fly-ash receptacle beneath said baffle edge.



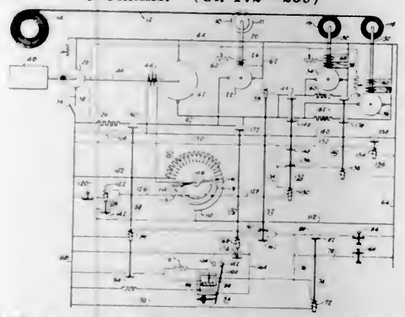
11. In a fluid heater of the type described, in combination, a combustion chamber, means forming water-cooled radiant heat absorbing surfaces immediately about the combustion chamber and more remote, water-cooled, convection-heated surfaces enclosing gas passages, means for burning a fly-ash forming fuel in the combustion chamber, and passing the products of combustion through said gas passages, perforated water spray pipes built permanently into said gas passages so as to be completely surrounded by convection-heated surfaces, the spray from the said pipes being directed to wash fly-ash from all of the surrounding convection-heated surfaces, the lower of such surfaces being inclined away from the combustion chamber and the sprays so directed that water may be sprayed over substantially all of the convection-heated surfaces to clean them while the fuel is burning without quenching its fire.

2,103,790

CONTROL SYSTEM

Horace E. Nason, Berwyn, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 7, 1936, Serial No. 94,822
6 Claims. (Cl. 172—239)



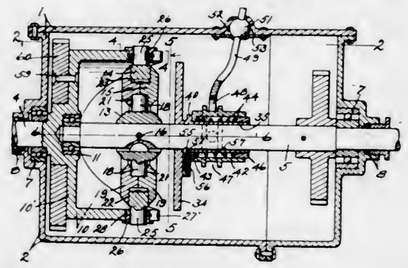
1. In a paper mill drive, a generator having a field winding, an exciter for the field winding, a slitter motor disposed to be connected to the exciter, a winder motor disposed to be connected to the generator, means for controlling the generator to control the voltage output therefrom, and means responsive to predetermined voltage conditions for transferring the slitter motor to the generator to control the speed of the slitter motor with respect to the speed of the winder motor.

2,103,791

POWER TRANSMISSION APPARATUS

Robert K. Pepper and Samuel C. V. Pepper, Syracuse, N. Y.

Application May 21, 1935, Serial No. 22,665
5 Claims. (Cl. 192—30)



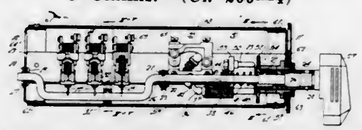
1. In a power transmission mechanism, the combination with a drive member and a driven member mounted in co-axial relation, a pair of co-acting clutch elements, means pivotally connecting each of said elements with a respective one of said members to move from a position substantially normal to the axis of movement of the members to an angular position inclined to said axis of movement, one of said pivotal means including diametrically disposed trunnions mounted for limited movement axially of the corresponding member from the diametrical plane passing through the other pivotal means to one side of said plane, whereby said clutch elements may be tilted when the pivotal means therefor are in angular relation to each other, stop means arranged concentric with the trunnions when said trunnions are in said diametrical plane of the other pivotal means for maintaining the trunnions against movement axially of the member in the opposite direction, whereby the clutch elements will be locked to each other and thus caused to move in unison when in the tilting position, and means for moving the elements from the first to the second position.

2,103,792

CONTROL SWITCH

Alfred J. A. Peterson and Carroll E. Valentine, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 28, 1935, Serial No. 8,666
5 Claims. (Cl. 200—4)



1. A switch mechanism comprising a switch actuating bail rotatably movable in opposite directions from an intermediate position to a plurality of operative positions, a pair of switches movable in opposite directions to an operative position by the actuating bail, additional switching means operable by longitudinal movement of the actuating bail, spring means disposed on

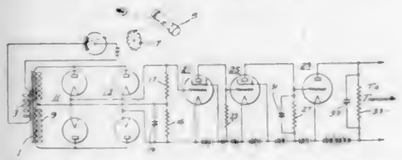
the ball for opposing longitudinal movement thereof, and interlocking means disposed to engage the ball for governing the rotative and longitudinal movements of said ball.

2,103,793

FACSIMILE TRANSMISSION

La Verne R. Philpott, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 30, 1932, Serial No. 626,851
8 Claims. (Cl. 178—7.1)



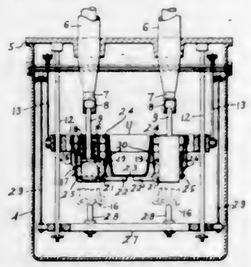
1. In combination, a source of signal energy, an electron discharge device having a circuit comprising a pair of resistors in series arrangement, means for rectifying potentials derived from said signal energy supply and establishing said rectified potentials across said resistors, the potentials thus established across said resistors being substantially equal but opposing during the absence of signals from said source, and means for unbalancing said potentials at such times as the condition of said source changes in response to signals, said last means comprising an electrical energy storing means connected across one of said resistors.

2,103,794

CIRCUIT BREAKER

Fritz Rampacher, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application November 6, 1928, Serial No. 317,588
In Germany November 9, 1927
11 Claims. (Cl. 200—89)



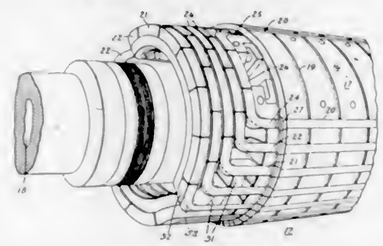
1. The combination with a pair of relatively movable contacts, of a movable carrier for one of the contacts having operating means movable to two operating positions, means for movably supporting the said contact upon the carrier for disengaging movement independently thereof, current-responsive means for releasably retaining the said contact in engagement with the other contact when the operating means for the carrier is in one of its operating positions, and means movable for resetting the said contact that is operable only when the operating means for the carrier is in its other operating position.

2,103,795

TURBINE-GENERATOR FIELD-WINDING

Bennie A. Rose, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 4, 1936, Serial No. 57,535
10 Claims. (Cl. 171—206)



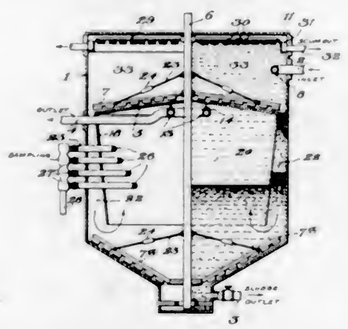
1. In a dynamo-electric machine having a stator member and a drum-type, slotted rotor member, the combination, with said rotor member, of a winding having less than 8 poles and having coil-sides lying in the rotor slots, at least substantially all of those portions of said winding which lie in said slots being strap-conductors composed of copper which has been hardened at least sufficiently to give it a yield point at least as high as 10,000 pounds per square inch.

2,103,796

APPARATUS FOR SEPARATING SOLIDS FROM LIQUIDS

John J. Seip, Allentown, Pa.

Application September 16, 1932, Serial No. 633,520
Renewed May 26, 1937
8 Claims. (Cl. 210—55)



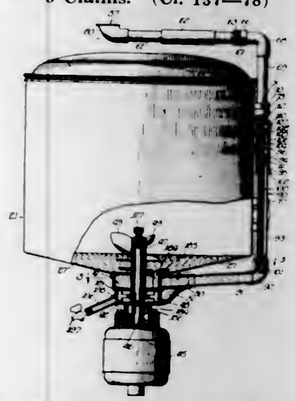
1. An apparatus for separating solids from liquids comprising a cylindrical tank, an inlet for liquids containing suspended matter at the top of said tank, at least one tray mounted substantially horizontally within said tank having a peripheral depending flange forming with the wall of said tank an annular discharge zone for solids and an inner clarifying chamber, the said flange being tapered in such manner as to produce a discharge zone of increasing cross sectional area towards the bottom of said zone, a clear liquor outlet located at an upper point of said clarifying chamber, a sediment draw-off located at the bottom of said tank, and means for moving precipitated solids towards said sediment draw-off.

2,103,797

CONDUIT FOR WASHING MACHINES

Edgar S. Stoddard, Berwyn, Ill., assignor to The Conover Company, Chicago, Ill., a corporation of Illinois

Original application March 19, 1928, Serial No. 262,652. Divided and this application April 25, 1935, Serial No. 18,085
5 Claims. (Cl. 137—78)



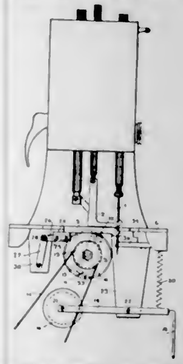
1. In a washing machine, a tank, a well chamber communicating with the bottom of said tank, a centrifugal pump in said chamber, an outlet conduit communicating with said chamber and cooperating with said pump to exhaust water from said well chamber, said outlet conduit having a vertical portion and a horizontal terminating portion connected thereto, and an inlet conduit directly communicating with said tank, said inlet conduit being directly connected to said outlet conduit.

2,103,798

TUFTING MECHANISM FOR TUFTING A FABRIC BASE

Mendel A. Taradash, Toronto, Ontario, Canada

Application March 2, 1936, Serial No. 66,509
In Canada February 29, 1936
5 Claims. (Cl. 112—79)



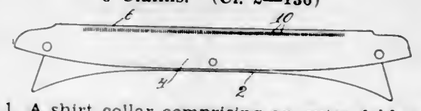
1. In combination with a sewing machine, a tufting mechanism comprising the following coacting parts: a thread engaging looper-bar having a sharply pointed tip portion, a relatively substantial body portion and a longitudinal slot in its underside; an arm whereon a connecting foot of such bar is centrally secured; link members pivotally secured at each end of the said arm the free end of one such link member being mounted on a rock shaft and the free end of the other being pivotally mounted on a stationary bracket depending from the machine frame, and the said parts so arranged that upon actuation the looper-bar-tip reciprocates along a curved path substantially transverse to a reciprocating needle.

2,103,799

COLLAR

Kurt Teubner, Leipzig, Germany, assignor to the firm Atlas Ago, Chemische Fabrik A. G., Leipzig, Germany

Application November 21, 1936, Serial No. 112,171
In Germany February 28, 1936
3 Claims. (Cl. 2—136)



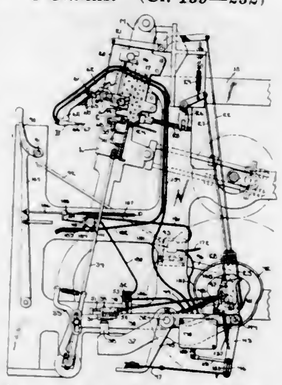
1. A shirt collar comprising an outer fold and an inner fold, said inner fold having at least one substantially continuous narrow groove-like impression therein extending substantially parallel with the upper edge of the collar and located below such upper edge, said impression being located wholly within the upper part of the inner fold.

2,103,800

LOOM WITH SHUTTLE CHANGING AND LOOM STOPPING MECHANISM

Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application March 6, 1935, Serial No. 9,645
3 Claims. (Cl. 139—232)



1. In a loom operating with a shuttle which is on one side of the loom on one beat thereof and on the opposite side on the next beat thereof, stopping mechanism capable of stopping the loom on any beat thereof, a two part actuator for the stopping mechanism requiring two successive beats of the loom for a complete movement thereof, the first part being capable of actuating the stopping mechanism during the first part of a complete movement of the actuator on one beat of the loom and the second part being capable of actuating the stopping mechanism during the latter part of the same complete motion of the actuator on the second beat of the loom, a weft detector to indicate exhaustion of weft in the

shuttle, means controlled by the detector when indicating weft exhaustion to cause the first of said parts to actuate the stopping mechanism during the first part of a complete movement of the actuator, and a warp stop motion operative upon occurrence of a warp fault to cause the second part to actuate the stopping mechanism during the second part of a complete movement of the actuator, to the end that the shuttle will be on one side of the loom when the detector effects stoppage and on the other side when the warp stop motion effects stoppage.

2,103,801

WEFT BOBBIN

Richard Greenleaf Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 16, 1935, Serial No. 54,649
10 Claims. (Cl. 242—120)



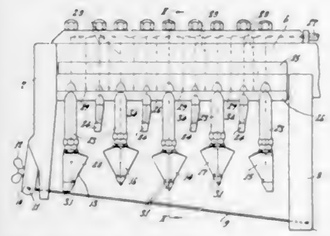
1. In a weft bobbin to cooperate with a spindle, a head having a spindle bore therethrough, holding metallic rings supported by the head and extending around the bore, a pair of metallic wires extending into the rings and supported by and extending from the head in a direction substantially parallel to the bore axis and located on opposite sides of the latter, and means integral with said wire strands defining an eye concentric with the bore axis and located to receive a spindle.

2,103,802

APPARATUS FOR SEPARATING IN ONE OPERATION HOLLOW BRICKS FROM A CLAY ROD OR THE LIKE AND FOR CLOSING SAID BRICKS

Alfred Heinrich Ullrich, Bandoeng, Java, Dutch East Indies

Application July 22, 1935, Serial No. 32,666
In the Netherlands October 8, 1934
4 Claims. (Cl. 25—1)



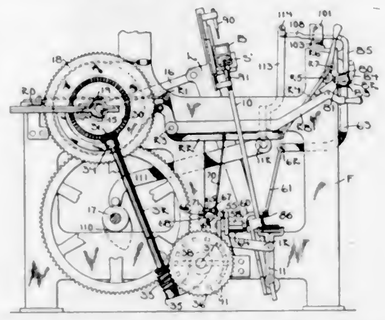
1. An apparatus for separating hollow bricks from a rod of clay or like material having interior cavities or passages and for closing the cavities or passages of the bricks, in one operation, comprising a cutting member adapted to cut through the rod, a plurality of closing elements for folding inwardly the upstanding walls, said closing elements being spaced a distance corresponding to the distance between the upstanding walls of the rod and being arranged in at least two rows, located above one another in the plane of the cutting member, and rearwardly of said member, the closing elements of one row and those of the next row being disposed in staggered relation, a row of wedge-shaped knife-elements located also in the plane of the cutting member and rearwardly between said closing elements, and a common frame to which all of the closing and cutting elements are attached, said frame being adapted to be moved in the cutting plane.

2,103,803

ELECTRIC FEELER FOR DROP BOX LOOMS

Lewis S. Vose, Needham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application February 18, 1932, Serial No. 593,814
8 Claims. (Cl. 139—233)



1. In weft detecting and loom stopping mechanism, a lay movable back and forth, shifting shuttle boxes each to be in active position for two successive picks only at a time, an actuator having a working stroke at two pick intervals, an electric detector for each shuttle box, and means rendered effective by the actuator during the second backward movement of the lay after indication of weft exhaustion in a shuttle moving to inactive position to arrest the lay when the latter is in rear position.

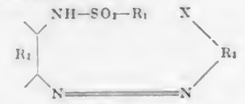
2,103,804

AZO DYESTUFFS AND PROCESS FOR THEIR MANUFACTURE

Walter Wehrli, Basel, Switzerland, assignor to the firm of Chemical Works formerly Sandoz, Basel, Switzerland

No Drawing. Application July 22, 1935, Serial No. 32,671. In Germany July 28, 1934
15 Claims. (Cl. 260—92)

9. Azo dyestuffs containing in their molecule at least one sulpho group and at least one group of the general formula



wherein R_1 represents a group selected from the class consisting of alkyl, aryl and aralkyl groups, R_2 represents a radical of an aromatic compound, R_3 represents a radical selected from the class consisting of radicals of pyrazolones and aromatic compounds of the benzene and naphthalene series, and X represents a substituent contiguous to the azo group and selected from the class consisting of hydroxy, alkoxy, amino, alkylamino, arylamino and aralkylamino groups,

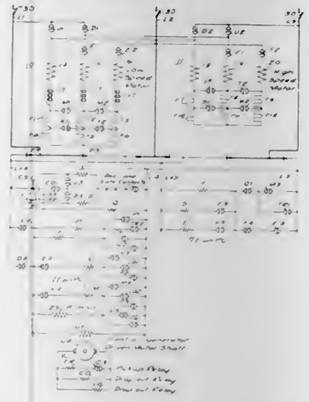
which dyestuffs are in dry state yellow to dark powders, dyeing textile fibres yellow to black shades and which are capable of yielding complex metal compounds useful for dyeing purposes.

2,103,805

CONTROL SYSTEM FOR ELECTRIC MOTORS

Harold W. Williams, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application November 7, 1936, Serial No. 109,685
18 Claims. (Cl. 172—152)



18. In a control system for operating an elevator car in a hatchway, a low speed and a high speed motive means for driving the car, a switch, means responsive to operation of the switch to its "on" position for connecting the motive means to a source of power to accelerate the car to a normal speed and responsive to operation of the switch to its "off" position for effecting deceleration of the car, a retarding resistor for the motive means, means responsive to operation of said switch for controlling the resistor to effect acceleration and deceleration of the car at predetermined rates, a generator, means responsive to operation of the car for operating the generator at a speed corresponding to the speed of the car, means responsive to the generator accelerating to a predetermined speed within a predetermined time for controlling the resistor controlling means to maintain approximately said predetermined rate of acceleration of the car, means responsive to deceleration of the generator to a predetermined speed within a predetermined time for controlling the resistor controlling means to maintain the deceleration of the car at approximately said predetermined rate, a stopping means, and additional means responsive to deceleration of the generator to a predetermined speed for operating the stopping means to stop the car.

2,103,806

PARACHUTE

Mark S. Willing, Mount Holly, Va.

Application November 3, 1936, Serial No. 109,035
4 Claims. (Cl. 244—149)

1. In a parachute, a canopy, a plurality of rigid annular members, means detachably securing said members in the interior of the canopy, said members being of less diameter than the canopy when the latter is distended and said securing means being capable of being ruptured to free said members from the canopy, connecting elements between each two juxtaposed members,



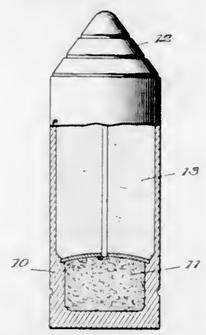
and means for successively removing said members from the free edge of the canopy when the latter is released for opening.

2,103,807

ANTIAIRCRAFT PROJECTILE

Mark S. Willing, Mount Holly, Va.

Application September 20, 1937, Serial No. 164,803
4 Claims. (Cl. 102—29)



1. An anti-aircraft projectile containing a bursting charge, and a charge of finely divided material capable of impairing the operation of internal combustion engines.

2,103,808

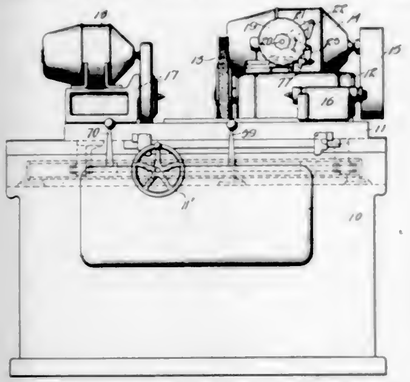
CYLINDRICAL GRINDING MACHINE

Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania

Application March 23, 1931, Serial No. 524,706
9 Claims. (Cl. 51—233)

1. In a machine having a carriage, a hydraulic motor for traversing said carriage comprising two cylinders, a piston in each cylinder, means connecting said motor with the said carriage, means for supplying fluid under pressure to one end of each cylinder, a closed conduit connecting the opposite ends of said cylinders with each other to

permit the fluid from one cylinder to pass to the other, means for restricting the flow of fluid

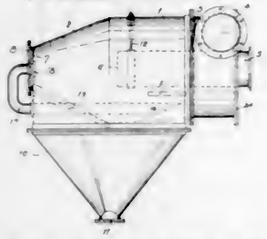


through said conduit, and automatic means to replace leakage from said cylinders and said conduit.

2,103,809

SEPARATOR

Tom Conrad Bieth, Hedemora, Sweden
Application November 4, 1935, Serial No. 48,237
In Germany November 5, 1934
6 Claims. (Cl. 183—90)



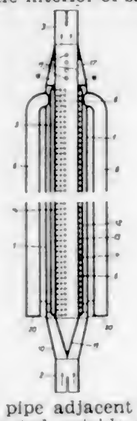
1. Apparatus for separating solid particles from gases consisting of a separating drum, having at one end a considerably larger cross sectional area than at the other end, and having a portion progressively diminishing toward the latter end, a substantially central gas outlet at the first mentioned end, a collecting chamber for the solid particles, the separator having an outflow slit for the separated particles communicating with the collecting chamber, the particles being separated by the gas being forced to follow, under rotation, the progressively diminishing diameter of said portion and then in purified form escape through said outlet, and means providing communication between the smaller end of said portion and the inlet end of the collecting chamber so that the gas rotating under pressure in said smaller end produces a suction in the said means in the direction towards the separator chamber, by which means the over-pressure in the collecting chamber is diminished and consequently the flow through the said slit is increased in the direction to the collecting chamber.

2,103,810

SILENCER FOR THE EXHAUST GASES OF INTERNAL COMBUSTION ENGINES

Eduard Caspar, Zurich, Switzerland
Application April 15, 1936, Serial No. 74,530
In Germany April 16, 1935
2 Claims. (Cl. 181—59)

1. A silencer for exhaust gases, comprising a cylindrical casing having a main chamber to the front end of which casing the exhaust gases are admitted and from the rear end of which casing the gases are discharged; a pipe within said casing having apertures and having its forward end closed and its rearward end communicating with the rear end of said casing; said casing having a secondary chamber near its rear end communicating only with the interior of said pipe through

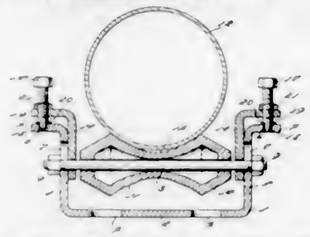


apertures in said pipe adjacent thereto; and at least one pipe located outside said casing and spaced therefrom, one end of said last named pipe being closed and the other end being in communication with the interior of said casing adjacent but to the rear of said secondary chamber, a partition in said casing dividing said secondary chamber from the main chamber.

2,103,811

ADJUSTABLE CHAIR AND ROLLER FOR PIPES

Anthony E. Davis, Philadelphia, Pa.
Application July 17, 1937, Serial No. 154,135
3 Claims. (Cl. 248—55)



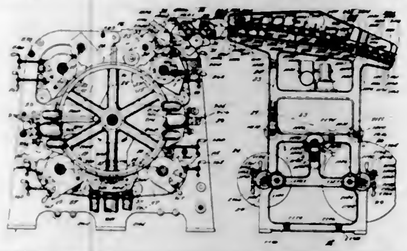
1. An adjustable chair and roller, comprising a body portion having an apertured bottom member, and sides having apertures, with the sides terminating at their upper ends in laterally extending extensions, a shaft extending into the side apertures, a roller on said shaft, angle brackets through which said shaft extends, and means cooperating with said angle brackets and extension to effect vertical adjustment of said shaft and roller relatively to the body portion.

2,103,812

MULTIPLE IMPRESSION PRINTING APPARATUS AND METHOD

Emil Ericksson, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Application September 22, 1932, Serial No. 634,406
26 Claims. (Cl. 101—152)

1. A printing press comprising an impression means; a plurality of movable printing means spaced along said impression means; means for simultaneously moving said printing means into and out of contact with said impression means; means for independently moving any one of said

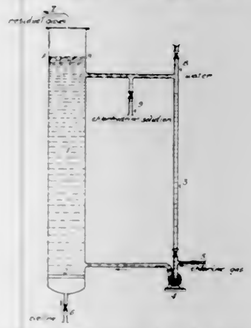


printing means into and out of contact with said impression means; and a single means for increasing and decreasing the contact pressure between said impression means and said printing means.

2,103,813

PROCESS FOR THE PREPARATION OF CHLORHYDRINS

Paul Ferrero, Tertre, and Corneille Vandendries, Baudour, Belgium, assignors to Societe Carbochimique, Société Anonyme, Brussels, Belgium, a Belgian company
Application April 3, 1936, Serial No. 72,640
In France April 15, 1935
3 Claims. (Cl. 260—157)



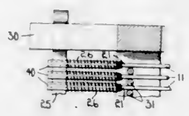
1. In a continuous process of preparing chlorhydrin from chlorine, water and olefine, causing water to react with chlorine at a comparatively high rate of speed to form a solution of hypochlorous acid and of hydrochloric acid, causing said solution to react with an olefine at a comparatively low rate of speed, circulating the solution in a closed circuit while avoiding any discontinuity in the liquid phase, and controlling the circulation in such manner that a chlorine solution of at least 15% of saturation is formed in the absence of any neutralizing agent, before it is brought into contact with the olefine.

2,103,814

JACQUARD NEEDLE SPRING GUIDE

Herbert Victor Foster, Providence, R. I., assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I., a corporation of Massachusetts
Application February 12, 1937, Serial No. 125,517
7 Claims. (Cl. 139—317)

1. In a jacquard mechanism, a needle, a compression spring surrounding the needle to resist movement of the latter in one direction, and

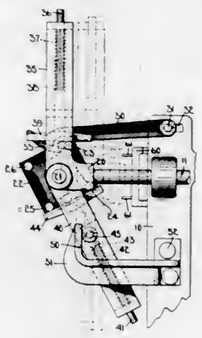


means located between the needle and the spring to prevent substantial lateral displacement of the coils of the spring when the latter is compressed.

2,103,815

JACQUARD CYLINDER MOTION

Herbert Victor Foster, Providence, R. I., assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I., a corporation of Massachusetts
Application September 25, 1936, Serial No. 102,561
11 Claims. (Cl. 139—329)



1. In a cylinder motion for a jacquard, a needle board having needles, a cylinder, means to move the cylinder away from and toward the needles, means to give the cylinder a primary angular motion in a given direction as the cylinder moves away from the needles, pressure means thereafter tending to give the cylinder a secondary angular motion in said given direction, and a controller for the pressure means to restrain the latter but operative by motion of the cylinder toward the needles to render the pressure means effective to give the cylinder the secondary angular motion in said given direction.

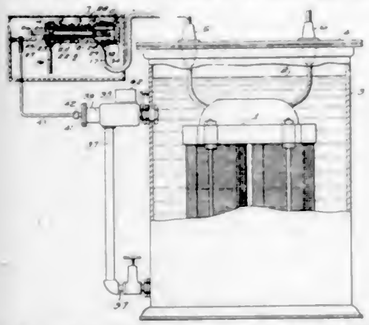
2,103,816

ELECTRICAL APPARATUS

William J. Hart, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 31, 1933, Serial No. 696,049
6 Claims. (Cl. 200—81)

1. In a protective system for electrical apparatus, a circuit interrupting device, the circuit interrupting device comprising a spring actuated plunger, a latch for holding the plunger in its circuit closing position, means responsive to a predetermined current flow through said plunger for releasing said plunger, means responsive to

an unnormal temperature within said apparatus and to an unnormal pressure within said appa-



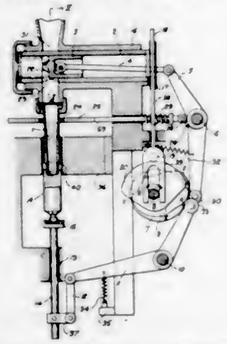
ratus for independently tripping said latch to release said plunger.

2,103,817

APPARATUS FOR FILLING CONTAINERS

Bror Emil Johnson, Ålsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden

Application March 18, 1936, Serial No. 69,575
In Sweden March 4, 1935
8 Claims. (Cl. 226—125)



1. In a machine for filling containers, the combination with a filling spout and a carrier for the container, of means for relatively moving said carrier and said spout to position said container around said spout, means providing relative withdrawing movement between said container and spout, means for supplying material through said spout to the container during said withdrawing movement, means for interrupting the supply of material, means for retarding said withdrawing movement at a predetermined moment after interrupting said supply, and means for thereafter accelerating said withdrawing movement.

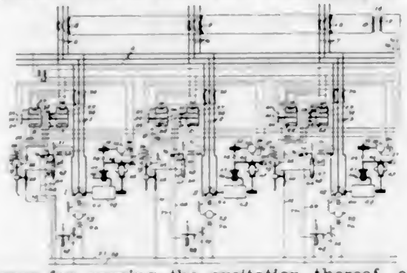
2,103,818

REGULATING SYSTEM

Jaroslav Kucera, Prague, Czechoslovakia, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 13, 1937, Serial No. 130,708
In Czechoslovakia March 16, 1936
8 Claims. (Cl. 290—4)

1. In combination, a plurality of synchronous generators operating in parallel circuit relation, individual prime movers for driving the several generators, means associated with each prime mover for varying the power input thereto, means responsive to a regulated quantity resulting from the operation of said several generators for controlling the power input to said prime movers, regulating means associated with each prime



mover for varying the excitation thereof, and means responsive to the regulated quantity resulting from the operation of said several generators for controlling the setting of said regulating means.

2,103,819

MANUFACTURE AND USE OF WETTING PREPARATIONS

Heinrich Lier, Basel, Switzerland, assignor to the firm of Chemical Works, formerly Sandoz, Basel, Switzerland

No Drawing. Application August 20, 1935, Serial No. 37,101. In Switzerland August 24, 1934

4 Claims. (Cl. 8—20)

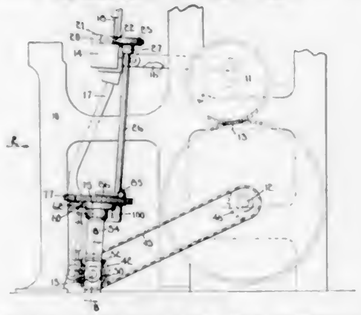
1. The alkaline mercerizing solutions possessing high wetting action and containing a mixture consisting of 95–50 per cent of naphthenic acids and of 5–50 per cent of organic compounds with at least six carbon atoms selected from the class consisting of saturated and unsaturated aliphatic, alicyclic, araliphatic and aromatic hydrocarbons and their water-insoluble ethers and their non-phenolic halogenated derivatives.

2,103,820

PICKING MOTION FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application November 21, 1936, Serial No. 111,996
16 Claims. (Cl. 139—145)



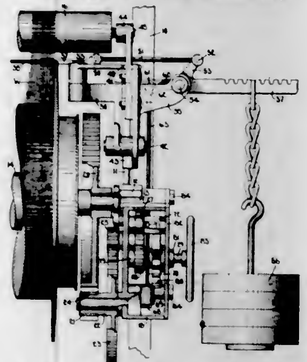
1. In a loom having a lay and operating with a shuttle, an endless belt having a portion movable longitudinally along the lay in frictional contact with a side of the shuttle to pick the latter, a rotary element to drive the belt, a spring connected to the element and effective to cause angular movement of the latter to drive that part of the belt in frictional contact with the shuttle longitudinally along the lay in a direction to pick the shuttle by a force transmitted through the friction surface, and means to reverse the rotary element to restore the belt to position for another pick and also store energy in the spring.

2,103,821

LET-OFF FOR LOOMS

Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 7, 1937, Serial No. 119,515
10 Claims. (Cl. 139—100)



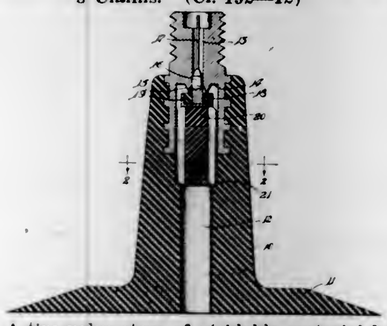
1. In a let-off for a loom, a rotatable warp beam tending to turn forwardly under tension of the warp, an escapement wheel connected to and turning with the beam, an escapement device oscillatable by a force derived from the escapement wheel and capable of preventing rotation of the wheel when oscillation of said device is prevented, brake means to prevent oscillation of the escapement device when the warp tension is normal, means actuated by increased tension of the warp to move the braking means out of braking relation with respect to the escapement device, whereupon tension of the warp turns the beam and wheel, and means to return the braking means to braking relation with respect to the escapement device to prevent further rotation of the escapement wheel and beam when the warp tension returns to normal.

2,103,822

TIRE VALVE AND THE LIKE

Ira D. Perry, Muskegon, Mich.

Application January 14, 1936, Serial No. 59,109
3 Claims. (Cl. 152—12)



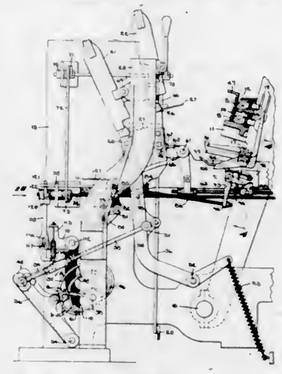
3. A tire valve stem of yieldable material having a through passageway, said passageway being of larger diameter in its inner portion than in its outer portion and having a shoulder facing said outer portion, a tubular metal insert secured within the material of the stem and forming the outer passageway of less diameter, said insert having an annular valve seat about the inner end of the passageway therethrough, and a yieldable valve member insertable through the larger passageway in the inner portion of said stem for supporting engagement with said shoulder, whereby said valve member is supported in sealing engagement with the valve seat by the yieldable material of the valve stem below the valve seat carrying insert.

2,103,823

CONTROL MECHANISM FOR SHUTTLE CHANGING LOOMS

William W. Robertson, Marlboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application August 5, 1935, Serial No. 34,660
10 Claims. (Cl. 139—231)



1. In a shuttle changing loom having a shuttle box from which a depleted shuttle is removed during the shuttle changing period, protector mechanism to be positioned by a shuttle in the shuttle box, stopping means to stop the loom during the shuttle changing period, shuttle changing mechanism effective to place a reserve shuttle into the shuttle box, preventing mechanism to arrest operation of the shuttle changing mechanism, control means for the preventing mechanism, actuated by the stopping means to move the preventing mechanism into arresting relation with respect to the shuttle changing mechanism, the protector mechanism thereafter operative when the shuttle box is occupied by a depleted shuttle to actuate the control means and thereby cause the latter to move the preventing mechanism out of arresting relation with respect to the shuttle changing mechanism.

2,103,824

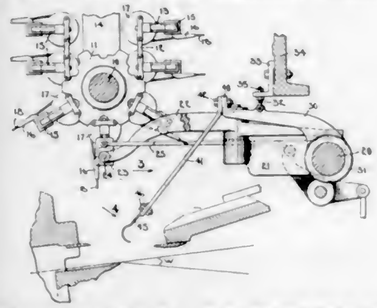
VIBRATION ARRESTER FOR TUBE FRAMES

William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application April 15, 1936, Serial No. 74,527
9 Claims. (Cl. 139—9)

1. In an Axminster loom, a transporting chain, a series of yarn tubes carried by the chain and from which project tuft yarns, carrier means to

convey the yarn tubes and yarns from the transporting chain to cloth forming position along a given path, and yielding stationary means lo-



cated intermediate the ends of the tube frame and projecting into the path of the carrier means to engage the latter and exert a yielding pressure thereon to arrest vibration of said carrier means.

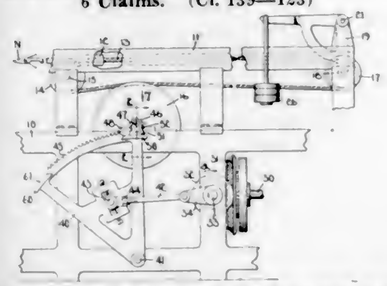
2,103,825

NEEDLE MOTION FOR AXMINSTER LOOMS

William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 21, 1936, Serial No. 116,967

6 Claims. (Cl. 139—123)



1. In a needle motion for an Axminster loom, a drum to be rotated to actuate the needle, a pinion fixed with respect to the drum, an arcuate set of teeth to mesh with the pinion, a locking surface concentric with the arcuate teeth and moving therewith and extending beyond the teeth in the direction of motion of the latter, and a lock rotating with the pinion and having a curved surface to engage said concentric surface to prevent rotation of the pinion when said concentric surface moves with respect to the lock.

2,103,826

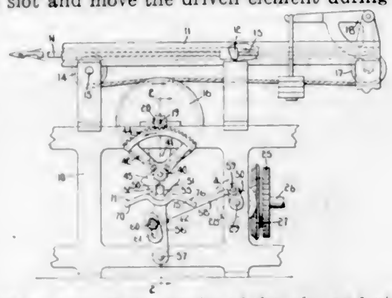
NEEDLE MOTION FOR AXMINSTER LOOMS

William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 21, 1936, Serial No. 116,968

5 Claims. (Cl. 139—123)

1. In a needle motion for an Axminster loom, a drum to be rotated to actuate the needle, a pinion fixed with respect to and rotating with the drum, a segment gear meshing with the pinion at all times, a driven element fixed with respect to the segment and having a slot and locking surface, a constantly moving crank arm, an actuating pin reciprocated by the crank arm and having a stroke part of which is working and part of which is non-working, and a lock moving with the pin, the crank arm to cause the pin to enter the slot and move the driven element during the



working part of the stroke of the pin, and at the conclusion of the latter move the locking surface of the element into holding relation with respect to the locking surface of the pin to prevent movement of the segment during the non-working part of the stroke of the pin.

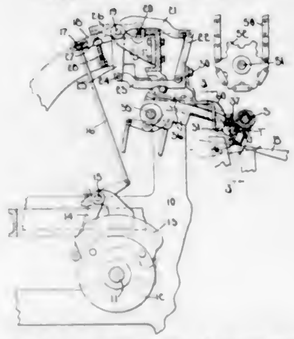
2,103,827

VIBRATION ARRESTER FOR TUBE FRAMES

William W. Robertson, Northboro, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 2, 1937, Serial No. 118,801

10 Claims. (Cl. 139—7)



1. In an Axminster loom, a tube frame movable toward cloth forming position along a given path, a brace movable into supporting relationship with respect to the tube frame as the latter moves toward cloth forming position, and means carried by the brace and extending into said given path to engage and prevent vibration of the tube frame prior to engagement of the brace with respect to the tube frame.

2,103,828

PROCESS OF AND APPARATUS FOR CLARIFYING LIQUIDS

John J. Seip, Allentown, Pa.

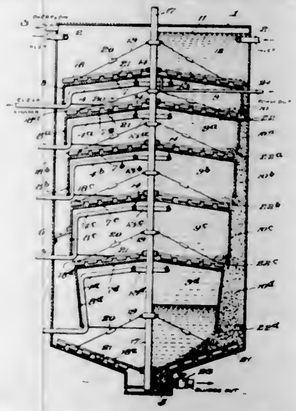
Application December 8, 1932, Serial No. 646,346

Renewed August 26, 1937

7 Claims. (Cl. 210—55)

7. In an apparatus for clarifying liquors from suspended solids, a tank, a plurality of superimposed trays centrally mounted in said tank having diameters smaller than that of said tank

and being provided with peripheral flanges depending close to the tops of the next lower trays, said trays being closed at the top being substantially horizontal but sloping slightly downwardly towards their periphery and defining a plurality of central clarifying zones and a peripheral discharge zone for solids, the spaces left between said flanges and said trays providing the sole entrance for liquor to be clarified into said clarify-



ing zones, means for introducing liquor to be clarified into the tank above said trays, means for withdrawing clarified liquor mounted centrally at the upper part of said clarifying zones, means for mechanically propelling solids precipitated on said trays peripherally along the surface of said trays through said entrances and into said discharge zones in counter flow to the liquor passing through said entrances and means for withdrawing sludge from the bottom of said tank.

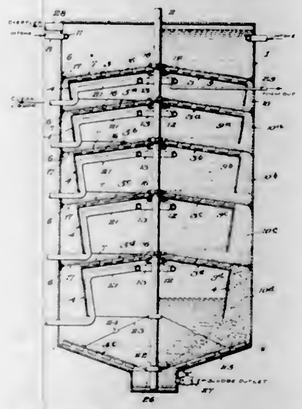
2,103,829

CLARIFYING LIQUIDS AND APPARATUS THEREFOR

John J. Seip, Allentown, Pa.

Application November 20, 1936, Serial No. 111,941

8 Claims. (Cl. 210—55)



1. In the clarification of liquors containing solids in suspension, the process which comprises establishing and maintaining a plurality of superimposed clarifying zones communicating with a discharge zone for solids and separated by transverse precipitation surfaces, passing liquor to be clarified from said discharge zone into the lower sections of said clarifying zones, passing precipitated solids along said surfaces into said discharge zone in a direction counter to the flow of said liquor and at such a rate that beds of solids in suspension are produced in the lower sections of said clarifying zones in such a position that substantially all liquor entering said zones is forced to pass upwardly through said stratified beds of suspended solids and withdrawing clarified liquor from the upper sections of said clarifying zones.

2,103,830

METHOD FOR MASKING THE ODOR OF DRYING PAINTS, VARNISHES, AND THE LIKE AND FRAGRANT ODOR-MASKED PAINT

Leroy W. Shuger, Baltimore, Md., assignor to Baltimore Paint and Color Works, Inc., Baltimore, Md., a corporation of Maryland

No Drawing. Application May 20, 1936, Serial No. 80,920

4 Claims. (Cl. 134—39)

2. The method of masking the odor of drying paints, varnishes and the like containing volatile solvents having pungent odors and drying oils which comprises adding thereto a fragrant odor-masking composition composed of a plurality of individual fragrant odor-masking ingredients of progressive volatility, some of said fragrant odor-masking ingredients serving to mask the odor of the evaporating volatile solvents in the paint or varnish as it dries, the quantity of said fragrant ingredients masking the odor of the evaporating volatile solvents being sufficient to complete the masking of the odor of the evaporating volatile solvents and to disappear with said evaporating solvents, other of said individual fragrant odor-masking ingredients serving to mask the odor of oxidation of said drying oils after the evaporation of said solvents as the paint or varnish dries, the quantity of said fragrant ingredients masking the odor of the oxidizing drying oils being sufficient to complete the masking of the odor of the oxidizing drying oils and to disappear with the completion of the oxidation of said drying oils.

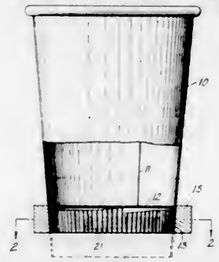
2,103,831

CUP

Max Sidon, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a corporation of New York

Application December 11, 1936, Serial No. 115,407

3 Claims. (Cl. 229—5.5)



1. A container comprising a tapered body portion formed of flexible material, a bottom member arranged in the body and having a depending annular flange extending toward and being spaced apart from the lower end of said body, said lower end portion of the body being folded

over the end of said flange, said infolded portion being expanded outwardly into engagement with the inner side of said flange and being formed with lengthwise extending corrugations.

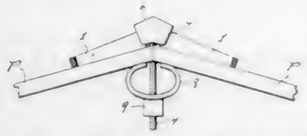
2,103,832

CORNER CLAMP FOR MITERED STORE FRONT CONSTRUCTIONS

Donald J. Tindall, Orlando, Fla.

Application October 13, 1936, Serial No. 105,418

5 Claims. (Cl. 189—78)



1. A corner clamp for store front construction comprising two clamping plates substantially in endwise alignment with opposed end faces in spaced relation, a flexible connecting means between the opposed portions of the plates, a screw carrying a cap, a wedge member carried by the screw for engagement between the opposed faces of the clamping plates, and clamping means carried by the screw for coaction with the plates.

2,103,833

COMBINED FASTENING STRUCTURE

George A. Tinnerman, Rocky River, Ohio, assignor to Albert H. Tinnerman, Cleveland, Ohio

Original application November 19, 1936, Serial No. 111,653. Divided and this application June 15, 1937, Serial No. 148,363

4 Claims. (Cl. 189—36)



1. In securing parts not accessible from both sides, the combination of a support readily accessible from one side only and provided with a bolt passage, a part to be connected to said support and a one-piece connecting device comprising a pair of members, one of which is provided with bolt receiving means deformed therefrom and is applicable from the accessible side to be positioned on the inaccessible side of the support to receive a bolt fastening and to cooperate with the other of said members to maintain the device in applied position, said other member having an opening receiving the bolt and cooperating therewith in the securing operation to retain the connecting device in applied position and suitably register said bolt receiving means with the said bolt passage in the support thereby facilitating ready fastening engagement of the bolt in securing said part to be connected to the support.

2,103,834

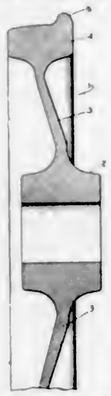
WHEEL

John D. Tyson, Derry Township, Mifflin County, Pa.

Application November 29, 1933, Serial No. 700,272

6 Claims. (Cl. 295—30)

4. A plain carbon steel railway wheel rim of medium carbon content normally having a troostitic and sorbitic structure formed by heating the wheel rim above its recalescence point and then quenching the same, whereby the generation of heat during braking action and subsequent cooling allows substantially the same metallographic structure to be maintained.



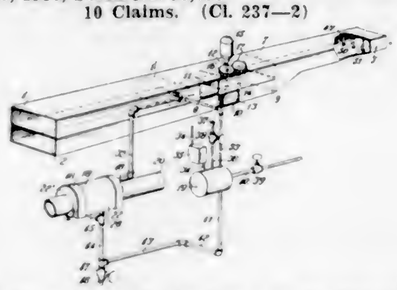
2,103,835

STEAM HEATING SYSTEM

John Van Vulpen, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York

Original application January 17, 1936, Serial No. 59,568. Divided and this application August 13, 1936, Serial No. 95,758

10 Claims. (Cl. 237—2)



1. In a system for heating a compartment, a main conduit for delivering air into the compartment, a pair of inlet conduits for delivering air into the main conduit, each inlet conduit having an inlet opening through which outside air flows in and having a pair of alternative discharge outlets one leading into the main conduit and the other to the outside air, means for maintaining a continuous air flow through each of these inlet conduits, a radiator positioned in one of the inlet conduits between the inlet and outlet openings thereof, means continuously supplying heating medium to the radiator, valve means in each inlet conduit for alternatively opening or closing the respective outlets, and means for simultaneously adjusting the valves to determine the proportions of heated and unheated air delivered into the main conduit.

2,103,836

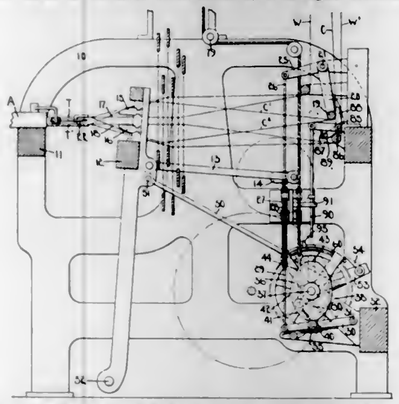
WARP SLACKENER FOR LOOMS

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application December 14, 1936, Serial No. 115,713

10 Claims. (Cl. 139—20)

1. In a loom having a warp to be slackened, a slackener having warp slackening and return movement, a regulator for the slackener having two different motions the first of which occurs when the slackener has a slackening movement and the second of which occurs when the slackener has a return movement, a single actuator



means for the regulator, and a controller for the actuator means to render the latter effective to give the regulator a relatively quick large motion when the slackener is to have a slackening movement and effective to give the regulator a gradual slower movement when the slackener is to have a return movement.

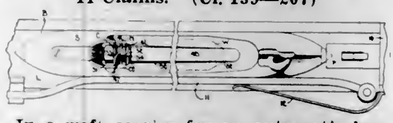
2,103,837

WEFT CARRIER FOR AUTOMATIC LOOMS

Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts

Application January 2, 1937, Serial No. 118,797

11 Claims. (Cl. 139—207)



1. In a weft carrier for an automatic loom, a pair of spring jaws, a weft carrying bobbin having a head, supporting means for the bobbin having portions thereof out of engagement with the jaws and in close engagement with the head and having other portions thereof resilient and spaced from the head and engaging the jaws to constitute the supporting relation between the jaws and bobbin, said other portions being yieldable in a direction parallel to the axis of the bobbin.

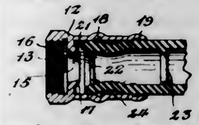
2,103,838

HOSE COUPLING

Anton Marinus Bach, Palo Alto, Calif.

Application August 30, 1937, Serial No. 161,666

6 Claims. (Cl. 285—71)



1. A hose coupling comprising in combination, a metallic fitting having an internal tapered collar, an internal annular recess in advance of the collar, an expansible rubber fitting of a diameter to loosely fit within the fitting and having an end complemental to the collar, a shoulder on the exterior of the rubber fitting for seating engagement within the annular recess of the fitting, and said fitting having an annular recess adjacent its end whereby to permit expansion of a portion of the hose thereinto.

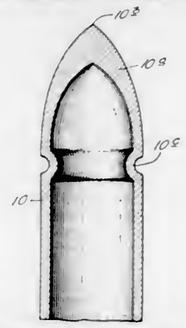
2,103,839

METHOD OF MAKING POSTS

Nicholas J. Bardell, Chicago Heights, Ill., assignor to Mid-West Forging Company, Chicago, Ill., a corporation of Illinois

Application June 15, 1936, Serial No. 85,406

2 Claims. (Cl. 29—156)



1. The process of making a metal post with a closed upper end and having an exterior annular groove, consisting of providing a suitable length of metal tubing, heating the end to make the same malleable and while hot, swedging the end until the same is closed and hermetically sealed and thickened and while still hot and malleable, forming an exterior annular groove therein approximately at the juncture of the thickened end with the remainder of the post.

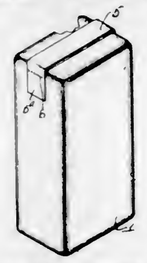
2,103,840

PACKAGE FASTENING MEANS

Hans A. Bauer, Chicago, Ill., assignor to B. F. Gump Co., Chicago, Ill., a corporation of Illinois

Application March 7, 1936, Serial No. 67,646

6 Claims. (Cl. 229—65)



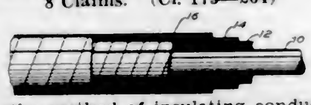
1. A package comprising a bag having a folded neck portion, a metal tie associated with said folded neck portion and having its ends folded inwardly in parallel relation with the body of the strip, a sealing strip secured to the folded neck portion of the bag and having terminal flaps glued to the body of the bag below the top, said strip having weakened sections adjacent said flaps and being unsecured to said bag between said weakened sections and the top edge of the bag.

2,103,841

METHOD OF INSULATING CONDUCTORS

John F. Calvert, Ames, Iowa, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 30, 1937, Serial No. 123,243
8 Claims. (Cl. 173—264)



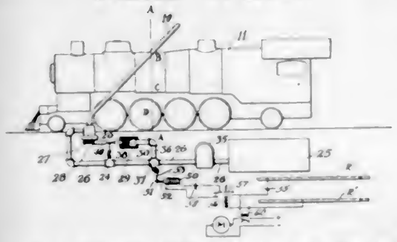
1. In the method of insulating conductors, in combination, covering the conductor with a layer of self-polymerizing material containing an inhibitor, covering the layer of self-polymerizing material containing the inhibitor with a layer of self-polymerizing material containing a catalyst, exposing the covered conductor to sufficient heat to cause the layer of material containing the catalyst to harden without causing polymerization of the material containing the inhibitor, and subjecting the covered conductor to heat and pressure to cause the material containing the inhibitor to harden, the layer of material hardened before the polymerization of the material containing the inhibitor preventing vaporization of the materal polymerized under the heat and pressure.

2,103,842

VEHICLE WASHING MACHINE

Harcourt C. Drake, Hempstead, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application February 17, 1933, Serial No. 657,230
9 Claims. (Cl. 141—1)



1. In a washing apparatus for vehicles, a hollow standard having a plurality of nozzles therein through which washing fluid can flow, means whereby said standard is swivelly mounted for actuation to operating and non-operating positions, means for supplying washing fluid under pressure to said standard and means whereby the flow of said fluid under pressure to said standard moves said standard to one of said positions.

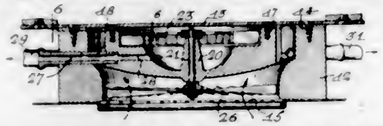
2,103,843

VENTILATOR

Melanie Filion, née Le Compte, Montreal, Quebec, Canada

Application March 27, 1936, Serial No. 71,323
1 Claim. (Cl. 98—2)

A ventilator of the character described, comprising a shell constituted of an annular member closed at the top and having a bottom opening, a case mounted against the closed top of the shell and spaced from the annular member, said case having an upper interior chamber concentrically formed therein with a central lower depression of smaller diameter, a driving wheel rotatably mounted within the upper case chamber in close proximity to the walls thereof, a suction conduit having communicative connection with the lower depression of the case for operation of the wheel by suction, the said case having an air inlet aperture formed in the upper portion at the wheel periphery, a fan connected



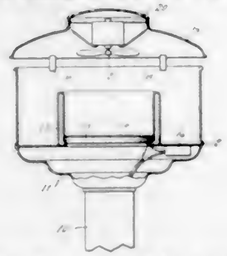
with the driving wheel below the case and across the shell opening, and outlet conduits connected with the inside of the shell for expelling therefrom air drawn therein by the wheel-driven fan.

2,103,844

AIR CONDITIONING DEVICE

Arthur W. Conley, Shaker Heights, Ohio

Application December 23, 1935, Serial No. 55,755
6 Claims. (Cl. 219—39)



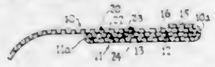
3. In combination, in an air conditioning device, a receptacle, an upstruck boss in the bottom thereof, a heater in said boss beneath said receptacle, and a heat insulating partition received loosely over said boss whereby water may pass slowly from outside to inside of said partition, and means including a fan for producing a circulation of air from outside said receptacle in vapor absorbing relation to the space within said partition and thence to the outside of said receptacle.

2,103,845

TROUSER CUFF AND METHOD OF FASTENING SAME

Charles B. Goodstein, New York, N. Y.

Application February 15, 1937, Serial No. 125,777
12 Claims. (Cl. 2—232)



1. A plurality of superimposed layers of flexible sheets, and means for fastening said sheets together, comprising a staple having a crown at the outer surface of an outer sheet, legs having pointed ends piercing said outer sheet and at least one other sheet, going in and coming out, the ends of said legs being hooked back into U-shape to point toward the crown at the outer surface of said outer sheet, and being embedded in said outer sheet.

2,103,846

TRIPHENYLMETHANE DYESTUFFS

Hans Grotowsky, Krefeld-Uerdingen, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of New York

No Drawing. Application October 2, 1936, Serial No. 103,669. In Germany October 8, 1935
5 Claims. (Cl. 260—68)

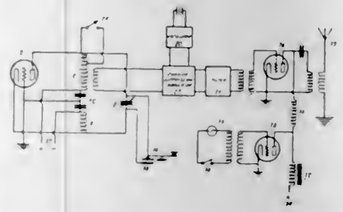
1. A triarylmethane dyestuff containing at least one aryl radicle carrying at least one auxochrome and at least another aryl radicle carrying at least one amino radicle substituted by at least one arylated ethylsulfonic acid radicle.

2,103,847

SIGNALING

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 2, 1928, Serial No. 309,877
10 Claims. (Cl. 179—15)



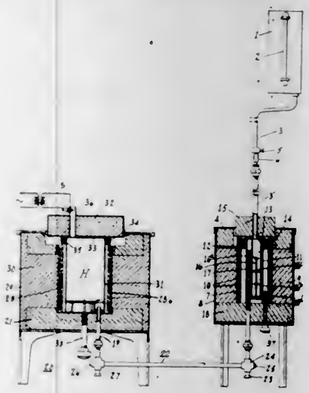
1. The method of transmitting multiplex signals on a high frequency carrier which includes continuously changing the frequency of the carrier through each frequency of a band of frequencies in accordance with one of the signals to be transmitted, selecting a side band from the resultant modulated energy and amplitude modulating the side band in accordance with another of the signals to be transmitted.

2,103,848

HEAT TREATMENT OF STEELS

John W. Harsch, Gwynedd, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 12, 1934, Serial No. 725,280
1 Claim. (Cl. 148—16)



In the art of hardening, tempering or toughening steels or alloy steels of high carbon content, the method of maintaining, during heating to quenching temperature within a range of from about 1300° F. to 2000° F., the carbon content of the steel substantially constant and its surface in condition ensuring high rate of and uniform quenching, which comprises bringing the steel to quenching temperature, simultaneously providing about the steel an atmosphere comprising products of endothermic cracking of an organic compound, or mixture of organic compounds, of chemically definite composition of carbon, hydrogen and oxygen, and maintaining in said atmosphere a concentration of carbon preventive of oxidation and decarburization of and case-formation upon the steel.

2,103,849

METHOD OF MAKING GLYCOLS

Joseph R. Heard, Jr., New York, N. Y., assignor to Cesare Barbieri, New York, N. Y.

No Drawing. Application June 1, 1936, Serial No. 82,679½
7 Claims. (Cl. 260—156.5)

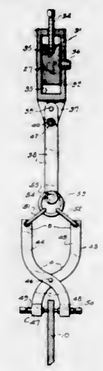
1. The process of manufacturing a mixture of glycols which comprises continuously passing finely dispersed gases containing alkylenes from a vapor phase cracking of petroleum into water at a temperature below 20° C., continuously passing finely dispersed chlorine into said water to form chlorohydrins and alkylene chlorides, drawing off a solution containing below 20% chlorohydrins of said gaseous alkylenes, conveying said solution of chlorohydrins to distilling equipment, continuously removing alkylene chlorides and chlorohydrins by steam distillation into separate receivers, passing said chlorohydrins into a suspension of lime of about 50 parts of lime in about 100 parts of water heated to about 80° C., hydrolyzing said chlorohydrins to alkylene oxides and neutralizing hydrochloric acid produced by said hydrolysis, continuously passing said alkylene oxides into about 0.5% sulfuric acid at about 20° C., to form glycols, adding a calcium compound to precipitate said sulfuric acid as calcium sulfate, filtering off said sulfate and continuously evaporating said substantially sulfuric acid free solution of glycols whereby mixed glycols of the alkylenes are produced.

2,103,850

APPARATUS FOR SUPPORTING GLASS SHEETS

Robert S. Hinsey, Toledo, Ohio, assignor to Libby-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application December 26, 1935, Serial No. 56,179
7 Claims. (Cl. 49—14)



1. Apparatus for use in the tempering of glass sheets, comprising movable supporting means including a horizontal supporting bar, a tong supporting unit secured to said bar and including a pivotally mounted hanger element, means for

securing the hanger element against pivotal movement, and a tong carried by said hanger element and having work gripping portions adapted to engage the glass sheet.

2,103,851

RAIL FLAW DETECTOR MECHANISM

George L. Jones, Garden City, and Abraham Winburn, Brooklyn, N. Y., assignors to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Application February 6, 1935, Serial No. 5,250
8 Claims. (Cl. 177—311)



1. In a rail flaw detector mechanism, means responsive to flaw, the degree of energization of said responsive means varying with different flaws, a supply of marking fluid, means for separating from said supply a measured quantity of said fluid, and means controlled by energization from said responsive means in excess of a predetermined degree, irrespective of the amount of excess, for discharging said measured quantity of fluid in the region of flaw.

2,103,852

KNITTING MACHINE

Julius Kessler, Brooklyn, N. Y.

Application August 23, 1935, Serial No. 37,413
3 Claims. (Cl. 66—86)



1. In a knitting machine having yarn rods, a main shaft for actuating said machine, a pattern chain on each end of the machine, a pair of pivoted pattern chain supporting members, crank arms connected to said supporting members for moving said pattern chains synchronously but alternately toward and away from the yarn rods and power transmission means associating the crank arms with the main shaft to produce a forward and backward movement of both pattern chains during each revolution of the main shaft.

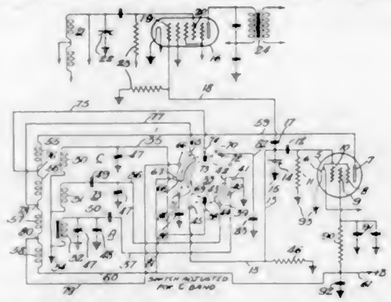
2,103,853

MULTI-RANGE TUNABLE OSCILLATOR

Loren R. Kirkwood, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 30, 1936, Serial No. 88,175
12 Claims. (Cl. 250—36)

11. In an oscillator for a battery operated receiver, an oscillator circuit comprising a plurality of secondary windings selectively connectible into the oscillator circuit, means providing a high and a low frequency primary winding in coupled relation to each of said secondary windings, and means for connecting the low frequency primary for a higher frequency secondary winding in circuit to provide a high frequency



primary winding for a lower frequency secondary winding.

2,103,854

GARMENT SUPPORTING ATTACHMENT

Clarence Knol, Grand Rapids, Mich.

Application April 6, 1936, Serial No. 72,923
2 Claims. (Cl. 223—88)



1. In combination with a coat hanger having a horizontal rod member, of a garment supporting attachment comprising, a length of wire bent to substantially inverted V-shape adapted to pass over and to be pendant from said rod, one leg of the V-shaped portion depending each side of the rod member, means whereby said attachment is held positively on said rod from downward movement and held yieldably from upward and longitudinal movement along said rod, the legs of said V-shaped portion terminating in hook portions.

2,103,855

ALLOY

Harry E. La Bour, Elkhart, Ind., assignor to The La Bour Company, Inc., Elkhart, Ind., a corporation of Indiana

No Drawing. Application May 27, 1935, Serial No. 23,699
2 Claims. (Cl. 75—171)

1. A corrosion resisting alloy consisting of the following:

	Percent
Nickel	50 to 55
Chromium	20 to 30
Iron	2 to 12
Silicon	3½ to 5
Molybdenum	2 to 6
Tungsten	1 to 3
Carbon	under .30
Manganese	under 1
Copper	3½ to 7

2,103,856

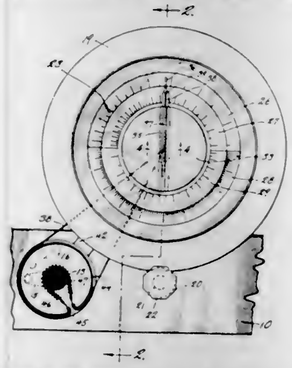
DIAL

Frederick Liessmann, Chicago, Ill., assignor to Electrical Research Laboratories, Inc., Chicago, Ill., a corporation of Illinois

Application October 7, 1935, Serial No. 43,890
9 Claims. (Cl. 116—124.1)

1. A wave band indicator for a multi-wave band radio set having a wave band selector

switch, comprising a dial having a scale thereon for each such wave band, a pointer rotatable over the face of said dial, and means to move said pointer longitudinally in a straight-line path



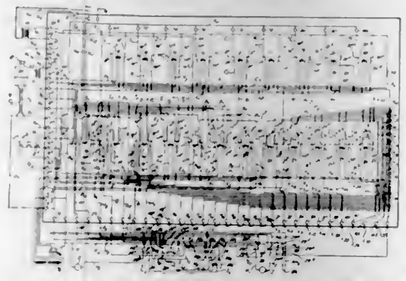
through its axis of rotation to indicate a wave band scale on said dial, said means comprising a continuously operable connection between said pointer and said selector switch.

2,103,857

SIGNAL SYSTEM

William D. Lindsey, South Orange, N. J., assignor, by mesne assignments, to The Sealand Corporation, a corporation of Connecticut

Application November 17, 1933, Serial No. 698,389
13 Claims. (Cl. 179—5)



1. In a signal system, a sound reproducing system, a central station for controlling the operation of the sound reproducing system including means for operating the sound system as an address system, additional means for effecting the operation of the sound system to give audible directions including a record and means for delivering the recorded sound into the sound reproducing system, and means adapted to be operated upon the existence of a particular condition for effecting the operation of said additional means to effect the operation of the sound system.

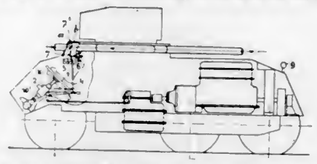
2,103,858

AUTOMOBILE VEHICLE FOR FORWARD AND BACKWARD TRAVEL

Eugen Luschinsky, Vienna, Austria

Application January 15, 1936, Serial No. 59,177
In Austria February 2, 1935
9 Claims. (Cl. 280—87)

1. In a power driven vehicle having a steering gear and adapted for travelling forwardly and rearwardly, the combination of an optical viewing device for the driver having change over means for enabling the driver to see optionally in front or behind him without turning his head or body, and a reversing gear interposed in the steering gear for changing over the steering movement produced during the actuation of the



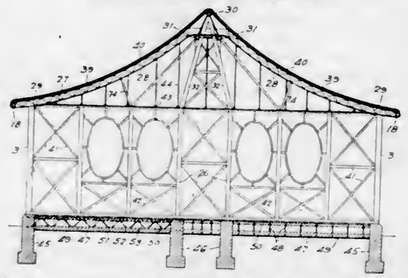
steering gear by the driver, said reversing gear being adapted to be placed into and out of operation and having means operatively connected to the change over means of the optical viewing device for changing over the steering movement simultaneously with the change over of the optical viewing device from forward to rearward viewing.

2,103,859

BUILDING CONSTRUCTION

Walter W. Macfarren, Los Angeles, Calif.

Application July 25, 1936, Serial No. 92,575
15 Claims. (Cl. 108—1)



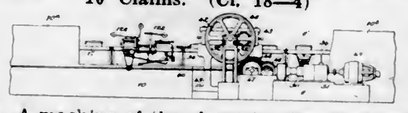
1. In a building structure, supporting members such as columns or walls, a roof comprising a sheet of material adapted to resist tensile stresses, the said sheet being suspended in the form of a catenary curve, and continuous bracing means extending from one sheet support to the other, to prevent distortion from the said catenary curve.

2,103,860

MACHINE FOR PRODUCING RUBBER AND SIMILAR ARTICLES

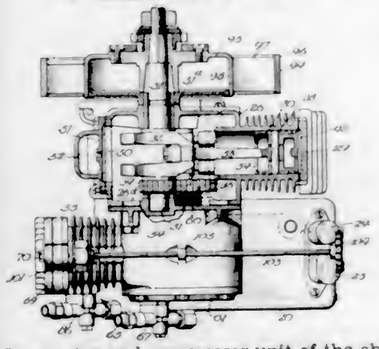
Hector Mazzeo, Buenos Aires, Argentina

Application December 12, 1936, Serial No. 115,461
10 Claims. (Cl. 18—4)



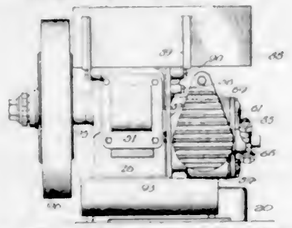
1. A machine of the character described comprising a series of mold boxes having hinged covers provided with mold cavities, means for moving said mold boxes in an endless path, means for feeding moldable material to said mold boxes, while the covers thereof are open, means rendered operable by movement of said mold boxes to swing the covers thereof toward closed positions and to press said covers to completely closed positions, and a thermal treatment chamber through which the mold boxes travel while moving in their endless path.

2,103,861
MOTOR AND COMPRESSOR UNIT
Lee W. Melcher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis.
Application May 31, 1934, Serial No. 728,229
Renewed June 8, 1936
5 Claims. (Cl. 230—56)



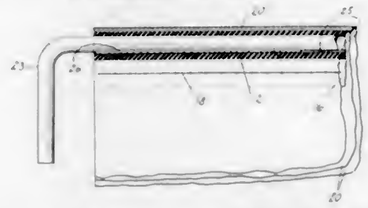
1. In a motor and compressor unit of the character described, the combination of a base provided with a reservoir for liquid fuel and also provided with an integral side extension; an internal combustion motor comprising a casing embodying a cylinder and a crank case joined to the cylinder and fitting on and secured to the top of the side extension; a compressor comprising a casing secured to one side of the motor casing and overlying and spaced from the reservoir; and a shaft extending from the crank-case of the motor casing into the compressor casing for driving the compressor from the motor.

2,103,862
REFRIGERATING UNIT
Lee W. Melcher, Waukesha, Wis., assignor to Waukesha Motor Company, Waukesha, Wis., a corporation of Wisconsin
Original application May 31, 1934, Serial No. 728,229. Divided and this application October 18, 1934, Serial No. 748,883
5 Claims. (Cl. 62—115)



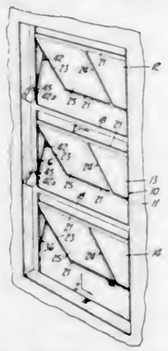
1. In a refrigerating unit of the character described, the combination of an internal combustion motor comprising a crank-case, a cylinder connected to and extending outwardly from one side of the crank-case and a crank-shaft journalled in said crank-case and having one end thereof projecting through, and extending beyond, one end of the case; a compressor associated with and driven by the motor; a condenser connected to receive compressed refrigerant from the compressor and consisting of a coil positioned adjacent to the cylinder; and a flywheel mounted on said one end of the crank shaft of the motor and provided with blades arranged to force streams of air from them around the condenser coil and the motor cylinder during operation of the motor.

2,103,863
VISOR CONSTRUCTION
William O. Meller, Monroe, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application December 28, 1936, Serial No. 117,732
8 Claims. (Cl. 296—95)



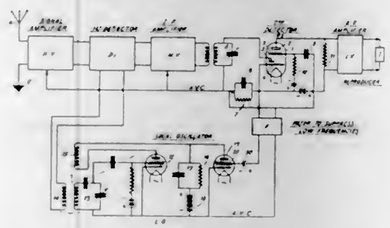
1. In a visor assembly, a visor panel provided with a tubular rubber pivot mounting, a supporting rod received within said mounting supporting the visor for rotatable adjustment about the rod, a soft metal wire extending lengthwise through said tubular mounting engaging said rod and holding the mounting away from the rod along the wire.

2,103,864
WINDOW CONSTRUCTION
Tomlinson I. Moseley, San Francisco, Calif., assignor to Dalmo Sales Corporation, San Francisco, Calif., a corporation of California
Application April 22, 1935, Serial No. 17,640
10 Claims. (Cl. 189—67)



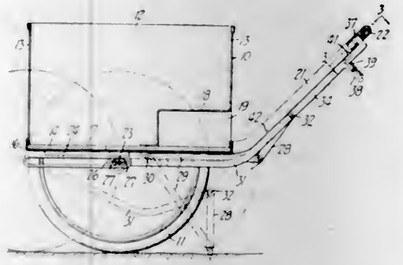
1. In a multiple sash window, a rectangular frame including vertical side members which are formed to afford vertical channels, at least two sashes carried by the frame for swinging movement about generally horizontal axes, means including a pair of travel bars extending vertically within said channels for interconnecting the sashes, thereby enabling conjoint movement of the sashes, a disengageable clutch mechanism interposed in said connecting means whereby upon disengagement of said clutch mechanism one of said sashes can be manipulated between open and closed positions independently of the other, a horizontal member extending between the vertical side members of the frame and rigidly secured to the same, and cam means serving to effect automatic engagement and disengagement of said clutch mechanism, said cam means including one cam element carried by a travel bar and another operating cam element carried by one end of said horizontal member.

2,103,865
SUPERHETERODYNE AUTOMATIC GAIN CONTROL SYSTEM
Jacobus C. Nonnekens, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1934, Serial No. 732,558
In the Netherlands August 3, 1933
4 Claims. (Cl. 250—20)



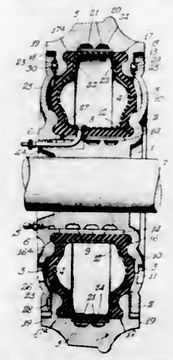
1. In a signal receiver, a frequency changer network adapted to have signals impressed thereon, a local oscillator coupled to the said network and impressing current thereon of a frequency differing from the signals by a desired beat frequency, a detector adapted to have the beat current impressed thereon, and means, responsive to the variations in the direct current component of the detected beat current, for varying the amplitude of the oscillator current in a direction such that the amplitude of the beat current is substantially constant, said last means including an electron discharge tube having its input electrodes arranged to have the said component impressed therebetween, and an impedance common to the space current paths of said tube and the local oscillator.

2,103,866
HAND CART
Kathleen Norris, Palo Alto, Calif.
Application October 19, 1936, Serial No. 106,278
3 Claims. (Cl. 280—51)



1. In a cart, a cart body, a handle extending from one end of the body, a shaft extending laterally across the body, a pair of wheels carried by the ends of the shaft, means for movably mounting the shaft near the underside of the body whereby the axis of the shaft can be shifted from a position near the center of gravity of the cart, to a position adjacent one end of the cart, a retractable ground engaging support for the other end of the body, and manually operable means for simultaneously actuating both the retractable support and for moving the shaft between said two positions.

2,103,867
RESILIENT WHEEL
Andrew J. Park, Pueblo, Colo.
Application July 2, 1934, Serial No. 733,350
11 Claims. (Cl. 152—41)

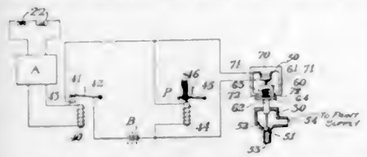


1. In a wheel of the class described the combination of a hub portion provided with a series of peripheral grooves a valve stem exit and a peripheral flange; said peripheral flange having a convex concave portion containing a plurality of cooling vents, an annular channel adjacent to said hub portion and a series of ball retaining pockets, a band disposed on said hub portion over said peripheral grooves so as to form dead air spaces in said peripheral grooves; a pneumatic tire casing, having an inner and an outer bead on each exterior side, disposed on said band so that the adjacent inner bead of said tire casing fits in said annular channel in said peripheral flange; an inner tube disposed in said casing so that the valve stem emerges through said valve stem exit; a rim provided with a pair of internal flanges, a pair of external flanges, an external rail guide flange, and a series of internal grooves, each internal flange being provided with an annular channel, and a series of ball retaining pockets, said rim being disposed on said tire casing so that each outer bead of said casing fits into an annular channel of each internal flange of said rim; a hoop disposed within said rim so as to cover said internal grooves and form dead air spaces within said internal grooves; a side plate having a convex portion containing a series of cooling vents and provided with an annular bead receiving channel and an annular ball receiving channel, said side plate being mounted on said hub portion so that the adjacent inner bead of said casing fits into the bead receiving channel of said side plate; a ball disposed in each pair of registering ball retaining pockets in said peripheral flange of said hub portion and the adjacent internal flange of said rim; and a ball disposed in each ball retaining pocket in the remaining internal flange of said rim and the annular ball receiving channel of said side plate.

2,103,868
RAIL FLAW DETECTOR MECHANISM
Walter M. Perry, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application February 9, 1935, Serial No. 5,754
8 Claims. (Cl. 177—311)

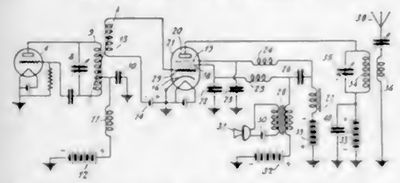
1. In a flaw detector mechanism, means responsive to flaw, the duration of response varying with different flaws; marking means, means including an operating connection whereby said

responsive means actuates said marking means as long as said connection remains effective, and means for limiting the actuation of said marking means regardless of the duration of the re-



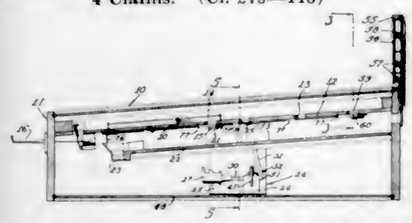
sponse of said responsive means, said last-named means comprising means for rendering said connection ineffective after a predetermined duration of actuation of said marking means.

2,103,869
SIGNALING CIRCUIT
Harold Olaf Peterson and Martin Katzin, Riverhead, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 26, 1933, Serial No. 695,254
18 Claims. (Cl. 179—171)



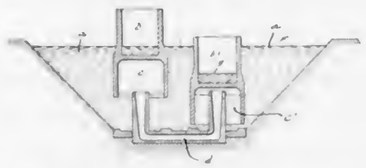
1. The method of effecting distortionless modulation of carrier frequency oscillations by means of a thermionic tube having a control grid electrode, a cathode electrode, an anode electrode and a plurality of intermediate auxiliary electrodes which includes the steps of, impressing the carrier frequency oscillations on said control grid electrode, and applying the modulating potentials in phase to a pair of said auxiliary electrodes while maintaining the same at different direct current potentials with respect to said cathode.

2,103,870
GAME APPARATUS
David C. Rockola, Chicago, Ill., assignor, by mesne assignments, to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application August 23, 1935, Serial No. 37,423
4 Claims. (Cl. 273—118)



2. A control device comprising switch means including a pair of switch arms, a switch-operating arm, means normally urging said arm into operative engagement with said switch means, said arm having serrations for engagement with one of said switch arms to position the same in operated condition, and said arm having a part engageable with the other switch arm of said pair to urge the same into circuit closing condition when said operating arm is initially moved for operative engagement with said switch means, an electro-magnetic device including a moving element and switch means operable to energize said device, means on said moving element engageable with said operating arm to latch the same against switch-operating movement but effective to release said arm when said electro-magnetic device is energized.

2,103,871
CANAL LOCK
Leopold Rothmund, Stuttgart, Germany
Application April 23, 1935, Serial No. 17,760
In Germany May 12, 1934
3 Claims. (Cl. 61—8)



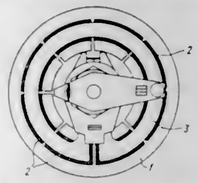
1. In combination with a waterway having an upper water level portion including a lock basin having the same water level as said upper water level portion, a lower water level portion, and gates between said lock basin and said lower water level portion; a pair of floating troughs in said lock basin one to be elevated while the other is lowered and vice-versa, said troughs having end gates, each trough also having as a fixed part thereof an open-bottom air chamber closed at its top and sides, and an air conduit connecting said air chambers, said air chambers being disposed relative to said troughs so as to be at all times completely submerged in the water of the lock basin.

2,103,872
HIGH MOLECULAR NITROGENOUS ORGANIC COMPOUNDS CONTAINING CARBOXYLIC GROUPS
Conrad Schoeller and Paul Koerding, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 8, 1934, Serial No. 756,706. In Germany December 12, 1933
7 Claims. (Cl. 260—112)

1. Assistants for the textile and related industries comprising a polyamine the different amino groups of which are separated from one another by a hydrocarbon radicle containing from 2 to 12 carbon atoms, containing attached to at least one of the amino nitrogen atoms an organic radicle containing at least 12 carbon atoms and containing at least one low molecular aliphatic radicle with at least one carboxylic acid group.

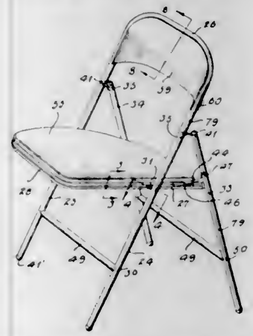
3. Assistants for the textile and related industries comprising a polyamine the different amino groups of which are separated from one another by a lower alkylene radicle, containing attached to at least one of the amino nitrogen atoms an aliphatic radicle containing at least 12 carbon atoms and containing at least one low molecular aliphatic radicle with at least one carboxylic acid group.

2,103,873
VARIABLE RESISTOR DEVICE
Edwin Severin and Friedrich Schierl, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 22, 1936, Serial No. 75,688
In Germany April 13, 1935
4 Claims. (Cl. 201—48)



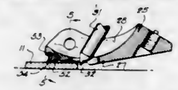
1. In a variable resistor, the combination of a rotatable shaft, a plurality of contacts having their surfaces formed with a plurality of grooves, a flexible conducting member normally separated from said contacts, stationary insulation discs in contact with the opposite faces of said flexible member and serving to retain it in a fixed position and an arm carried by said shaft and arranged to force a limited area of said conducting member into contact with one of said grooved surfaces.

2,103,874
FOLDING CHAIR
Ben Shwayder, Ecorse, Mich.
Application February 27, 1936, Serial No. 66,035
1 Claim. (Cl. 155—142)



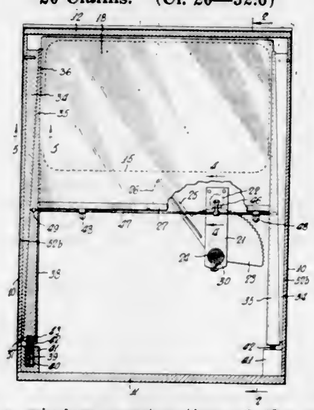
In a folding chair, a pair of spaced supporting legs, a seat positioned between and pivotally mounted, intermediate its ends, on said legs, a second pair of spaced legs adapted, when in use, to extend at an angle to said first mentioned pair of legs, means for connecting the upper end of each of said second pair of legs to one of said first mentioned legs at a point above the position of mounting of said seat, said connecting means comprising a U-shaped clip inwardly of the legs and having one arm thereof pivotally attached to one of said first mentioned legs and the other arm thereof fixed to one of said second mentioned legs, an arm pivoted at one end thereof to said seat and pivotally mounted at its opposite end to one of said second pair of legs, and an abutment member carried by said seat for engaging said arm upon swinging movement of the front of said seat downwardly a predetermined distance.

2,103,875
CUTTING MECHANISM
Harry C. Shock, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 12, 1936, Serial No. 100,439
4 Claims. (Cl. 33—32)



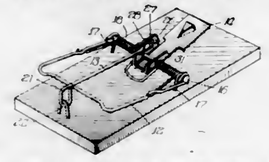
1. In apparatus for cutting glass sheets, cutting mechanism including a pivotally mounted lever, a bracket carried by said lever, a cutting tool carried by said bracket, and means for preventing the said bracket from striking the glass sheet upon downward movement thereof when the cutting tool leaves the edge of said sheet.

2,103,876
WINDOW CONSTRUCTION
Jay D. Silberman, Scarsdale, N. Y.
Application April 8, 1937, Serial No. 135,611
20 Claims. (Cl. 20—52.6)



8. In a window construction of the class in which there is included a frame casing having a pair of spaced plates forming a housing therebetween, and having a window opening above said housing, a window slidable between said opening and said housing means for holding said window against rattling, and a crank handle for raising and lowering said window; a mechanical transmission means between said handle and said holding means concealed within said housing for releasing said means, to permit the raising or lowering of said window.

2,103,877
ANIMAL TRAP
Herbert A. Stilson, Chicago, Ill.
Application February 6, 1936, Serial No. 62,609
4 Claims. (Cl. 43—81)



1. An animal trap including a base, a jaw pivoted on said base, a spring urging said jaw to a

closed position, and jaw retaining and releasing means including a latch for engaging said jaw, and a treadle, said treadle being pivoted about a horizontal spindle secured to said base and including a flat bottom portion, one end of which has bait-retaining means thereon, and the other end of which has a pair of extensions bent therefrom, and a pair of alined holes in said extensions through which said spindle extends, one of said extensions having a slot therein, and said latch having an elbow formed thereon for projecting into said slot, said slot and elbow being so shaped that when said treadle is pivoted, said latch is expelled from said slot.

2,103,878

SELECTIVE RADIO RECEIVING SYSTEM

Leland E. Thompson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1936, Serial No. 77,253

16 Claims. (Cl. 250—20)



5. The method of obtaining selectivity in a heterodyne beat limiter system, which comprises deriving a signal wave by broadly selecting the same, applying local oscillations of a predetermined amplitude to the selected signal wave to limit the amplitude of the received signal wave and interference by means of a heterodyne beat, and subsequently demodulating the interference modulating effects of the limiting process.

2,103,879

PRODUCTION OF ORGANIC SULPHUR COMPOUNDS

Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 22, 1935, Serial No. 51,081. In Germany December 17, 1934

8 Claims. (Cl. 260—158)

1. The process of producing organic sulphur compounds which comprises reacting vinyl sulphones having the general formula

$$R(SO_2—CH=CH_2)_x$$

in which R is an aliphatic radicle containing at least 7 carbon atoms and x is a whole number, with bisulphites of light metals selected from the group consisting of sodium, potassium and calcium.

5. Alkyl-sulphone-ethyl-sulphonic acid salts of light metals selected from the group consisting of sodium, potasium and calcium, the alkyl group of which contains at least 7 carbon atoms.

2,103,880

PRODUCTION OF ORGANIC SULPHUR COMPOUNDS

Hanns Ufer, Ludwigshafen-on-the-Rhine, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 22, 1935, Serial No. 51,082. In Germany December 17, 1934

7 Claims. (Cl. 260—158)

1. The process of producing organic sulphur compounds which comprises reacting vinyl sulphones having the general formula

$$R(SO_2—CH=CH_2)_x$$

in which R is a cyclic radicle selected from the group consisting of isocyclic and heterocyclic radicles and x is a whole number, with bisulphites of light metals selected from the group consisting of sodium, potassium and calcium.

5. Sulphonic acid salts of the general formula $R(SO_2—CH_2—CH_2—SO_3Me)_x$ in which R is a cyclic radicle selected from the group consisting of isocyclic and heterocyclic radicles, Me is a light metal selected from the group consisting of sodium, potassium and calcium and x a whole number.

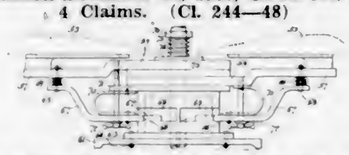
2,103,881

AUTO MONOPLANE

Edward F. Wagner, Philadelphia, Pa.

Application December 16, 1935, Serial No. 54,538

4 Claims. (Cl. 244—48)



4. An aeroplane comprising a fuselage, a mast mounted in said fuselage and projecting above the same, a lock keeper comprised of an inverted cup encircling the mast just above the fuselage, said lock keeper having oppositely positioned circular slots with notches at both ends, means to support said lock keeper, wing supporting arms having their inner ends journalled on the mast one above the other and both above the lock keeper, means to urge said arms toward the lock keeper, spring actuated catches carried by the wing supporting arms and projecting into the lock keeper slots for registration with the notches, means projecting through the catches and threaded into the arms for withdrawing said catches from the notches, and wings carried by said arms.

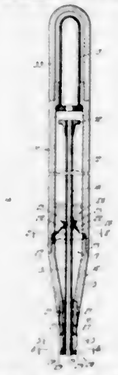
2,103,882

WRITING PEN

George S. Walter, Chicago, Ill.

Application April 25, 1936, Serial No. 76,400

10 Claims. (Cl. 120—44)



1. In a fountain pen having a body portion and a hollow nozzle mounted thereon providing an ink reservoir, the combination of a core member positioned in and extending through the opening formed in said nozzle in spaced relation thereto to provide an ink channel communicating with said reservoir, the lower end portion of said member engaging the lower end portion of said nozzle for completely closing the lower end of said channel, said nozzle having a plurality of annularly spaced discharge openings formed therein and communicating with said ink channel for discharging the ink laterally therefrom.

2,103,883

LAMINATED SAFETY GLASS

George B. Watkins and Roy W. Wampler, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application December 20, 1933, Serial No. 703,252

8 Claims. (Cl. 49—81)

5. Laminated safety glass comprising two sheets of glass and an interposed layer of cellulose acetate plastic formed from raw cellulose acetate plasticized with a mixture of an ester of phthalic acid and carbitol acetate in the ratio of approximately 76 parts of total plasticizer to 100 parts of raw cellulose acetate in the finished sheet.

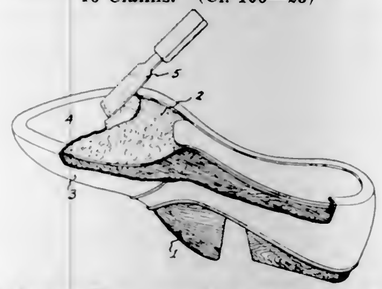
2,103,884

COMPOSITION FOR SHOE MANUFACTURE AND PROCESS OF MAKING SHOES

Pearl J. Wentworth, Fort Thomas, Ky.

Application July 31, 1934, Serial No. 737,811

16 Claims. (Cl. 106—23)



1. A shoe filler, comprising as a principal ingredient, ground-up tire carcass, a binder, a solvent therefor, and a contraction preventing material selected from a group consisting of the natural gums of wax-like or bituminous substances dissolved in a solvent.

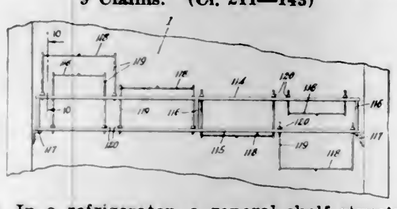
2,103,885

REFRIGERATOR

John T. Whalen, New York, N. Y.

Application June 16, 1936, Serial No. 84,414

9 Claims. (Cl. 211—143)



1. In a refrigerator, a general shelf structure extending across the interior, and supported from the side walls, of the refrigerator, said shelf structure comprising a plurality of separate members having interchangeable horizontal supporting areas disposable side by side, and having upright supports attached to and extending from said horizontal areas, said supports on the various shelf members being of different lengths, whereby contiguous side by side supporting areas may be at different levels with selectively variable amounts of headroom, said separate members being supportable by general shelf structure.

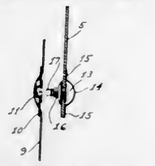
2,103,886

SWIMMING CAP

Walter Pierre Barnes, Chicago, Ill.

Application June 18, 1936, Serial No. 85,903

2 Claims. (Cl. 2—68)



1. As an article of manufacture, a swimming cap having an inflatable portion therein, a valve controlling the inflation of said portion, and a chin strap having a free end engageable over the outer part of said valve to anchor the end of the strap and conceal the valve.

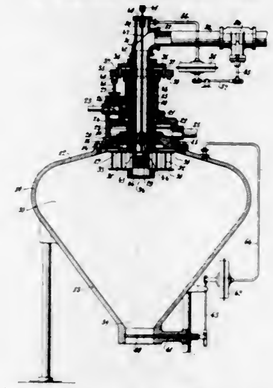
2,103,887

HOMOGENIZING MECHANISM

William Spencer Bowen and Julius Freeman, Westfield, N. J.

Application February 16, 1934, Serial No. 711,614

9 Claims. (Cl. 99—266)



1. A homogenizing apparatus comprising a chamber forming housing, a homogenizing head therein, a feed pipe to direct a substance to the head, means to control the flow of substance through the feed pipe, and means responsive to pressure within the pipe to actuate the control means.

2,103,888

HOMOGENIZING APPARATUS

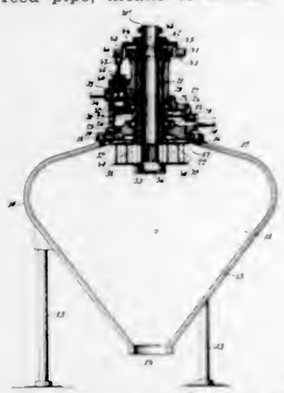
William Spencer Bowen, Westfield, N. J.

Application February 20, 1934, Serial No. 712,132

10 Claims. (Cl. 99—266)

5. A homogenizing apparatus comprising a housing, a hollow feed pipe associated therewith, a homogenizing element on the feed pipe re-

ceiving therefrom substance to be homogenized, said element and said pipe being subjected to variations of torque reactance by reason of variations in physical properties and rate of feed of the substance being homogenized, means to rotate the feed pipe, means to actuate the last



named means, and means responsive to the aforesaid variations in physical properties and rate of feed of the substance being homogenized to control the last named actuating means whereby the rate of rotation of the homogenizing element is controlled by the substance being homogenized.

2,103,889

GOLF CLUB HANDLE

Joseph C. Brisick, Irvington, N. J., assignor to The Kroydon Company, a corporation of New Jersey

Application July 20, 1933, Serial No. 681,288

1 Claim. (Cl. 273—81)



The combination with a metal shaft for golf clubs and the like, of a handle or grip for the same, such shaft being longitudinally grooved beneath said handle and receiving the handle structure in the said groove or grooves of said shaft, said groove or grooves extending outside said handle but for a part only of the length of the shaft.

2,103,890

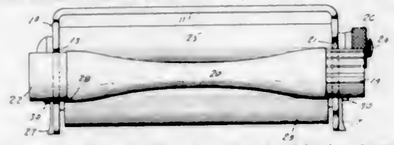
PERMANENT WAVING DEVICE

William H. Brown, Bedford, Ohio

Application April 17, 1936, Serial No. 74,976

10 Claims. (Cl. 132—33)

1. A permanent waving device comprising, in combination, a pair of rotatable rollers, means for holding said rollers in position to clamp a strand of hair therebetween, means for applying a rotation resisting force to one of said rollers



and means for winding a strand of hair clamped between said rollers and causing it to pass between said rollers as it is being wound.

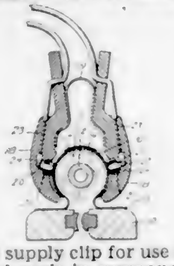
2,103,891

PERMANENT WAVING DEVICE

William H. Brown, Bedford, Ohio

Application February 24, 1937, Serial No. 127,475

5 Claims. (Cl. 219—24)



2. In a current supply clip for use in electrolytic heating of wound curls in permanent waving, a jaw element, a contact element projecting from said jaw element and a yieldable sealing gasket surrounding said contact element and being of a length greater than the distance which said contact element projects beyond said jaw element.

2,103,892

WRAPPER

Harry W. Brown, Saxonville, Mass., assignor to Edward H. Angier, Framingham, Mass., as trustee under agreement and declaration of trust designated as Angier Laboratories

Application August 7, 1935, Serial No. 35,116

2 Claims. (Cl. 154—52)



1. A wrapping in the form of a narrow band of indefinite length adapted to be helically wound about a commodity comprising a pair of strips of paper, adhesive connecting said strips, longitudinal strands between the strips solely adjacent the margins thereof, and a substantially single, continuous, fibrous, reinforcing strand extending throughout the area between said longitudinal strands substantially as a gently sinuous, longitudinally extending curve.

2,103,893

PORTABLE AIR PURIFIER UNIT

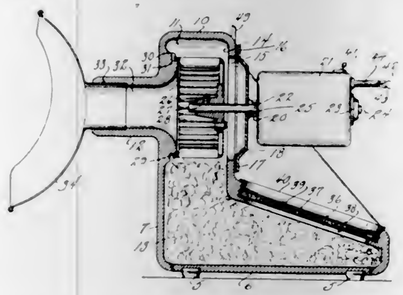
Elmore E. Buskirk, Adrian, Mich.

Application September 22, 1936, Serial No. 101,981

3 Claims. (Cl. 183—36)

2. An air purifier unit housing embodying a base, there being walls rising from the base to

provide a chamber and upwardly narrowed to provide a fan housing portion having an opening toward an inlet port terminus, a multi-blade fan mounted in the fan housing portion and adapted for suction action on the inlet port terminus,



there being a shaft for the fan extending outside the housing, and a motor on the housing overhanging said base and providing bearing for said shaft, said housing having filter screen discharge port means from the chamber overhung by said motor.

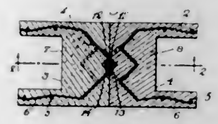
2,103,894

JOINT FOR CONCRETE BUILDING UNITS

Herman Bussmann, Englewood, N. J.

Application April 14, 1937, Serial No. 136,717

5 Claims. (Cl. 72—107)



3. A joint for pre-cast plastic building units comprising a pair of sheet metal joint members each bent along its longitudinal central line forming wings extending substantially at right angles to each other, said members at spaced intervals along said line of bend being cut transversely thereto forming a plurality of alined spaced loops at the front of said member, the intervening metal between said spaced loops bent rearwardly along said central line forming a plurality of alined spaced angular braces at the back of said joint members.

2,103,895

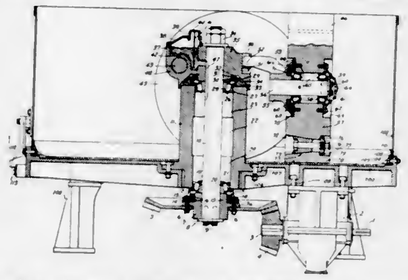
MULLER

Alfred C. Christensen, Chicago, Ill., assignor to Herbert S. Simpson, Chicago, Ill.

Application March 13, 1933, Serial No. 660,549

4 Claims. (Cl. 83—45)

1. In combination, a muller pan, having bearings muller means, a muller means driving shaft in the bearings, a spider on the upper part of said shaft, for connecting said shaft to said muller means, a lubricant reservoir in said shaft spider, and means for connecting said lubricant reservoir with the inner sides of said bearings whereby to lubricate the connection of the muller means to the spider and the bearings for the shaft in the muller pan, said lubricant reservoir being connected to direct lubricant outward from said



bearings toward the joints between the rotating parts and their supports.

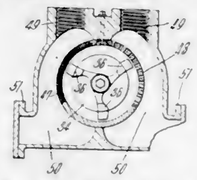
2,103,896

MACHINE FOR DISINTEGRATING, SCREENING, AND PUMPING FIBROUS OR PAPER MAKING STOCKS

William T. Doyle, Boston, and Thomas J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company, Boston, Mass., a corporation of Massachusetts

Application December 12, 1935, Serial No. 54,054

9 Claims. (Cl. 92—20)



1. A centrifugal pump for effecting a disintegrating and screening action on aqueous fibrous stock fed thereinto, comprising a substantially cylindrical internal wall defining a disintegrating and pumping chamber and comprising a substantially imperforate sector and at least two peripherally successive but separate discharge sectors each containing discharge openings and each leading into an independent discharge compartment, the openings in one sector being larger than those in the other, a blade-carrying rotor within said chamber capable of developing under rotation pumping pressure on stock fed into said chamber and of causing an emission of a relatively fine stock fraction radially through said discharge sector containing the smaller openings and a relatively coarse stock fraction radially through said discharge sector containing the larger openings, said discharge sectors constituting only a portion of said cylindrical internal wall and the remainder of said wall being substantially imperforate and occupying at least about 120°, and means for feeding said stock into said chamber substantially axially thereof.

2,103,897

REINFORCEMENT MESH

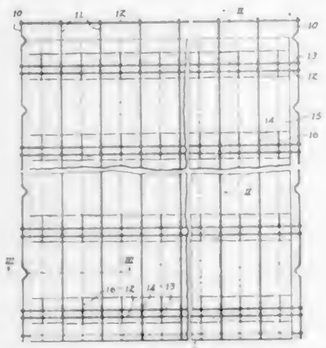
Walter S. Edge, Pittsburgh, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 8, 1936, Serial No. 94,985

9 Claims. (Cl. 72—119)

4. A plaster ground structure comprising reinforcing mesh, and a backing sheet therefor, the

said sheet being resistant to the absorption of water and having perforations in closely spaced relation and of sufficiently small size to prevent



substantial quantities of wet plaster being pushed therethrough, but permitting the passage of water.

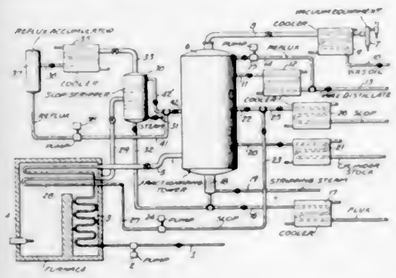
2,103,898

METHOD OF DISTILLING LUBRICATING OILS

Fred G. Fellows, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware

Application April 11, 1932, Serial No. 604,441

1 Claim. (Cl. 196—77)



A process of distilling hydrocarbon oils including heating a wax bearing hydrocarbon oil to distillation temperatures, flashing the heated oil into vapors and unvaporized oil in a fractionating zone, withdrawing the unvaporized oil from the process, fractionally condensing the vapors in the fractionating zone, withdrawing reflux condensate containing amorphous wax from the fractionating zone, heating a portion of the amorphous wax bearing condensate to wax cracking and vaporizing temperatures whereby a portion of the amorphous wax is converted into vapors containing wax which, upon condensation, will form wax crystals having pressing qualities, separating the thus heated amorphous wax bearing condensate into vapors and unvaporized oil in a second fractionating zone, withdrawing the unvaporized oil from the process, condensing the vapors and introducing the condensate containing pressable wax into the first fractionating zone as an intermediate reflux, and withdrawing reflux condensate containing pressable wax from said fractionating zone.

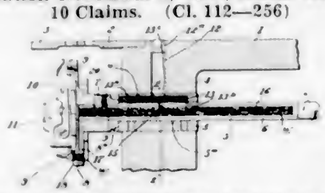
2,103,899

LUBRICATING DEVICE FOR SEWING MACHINES

George A. Fleckenstein, Stratford, and Max L. Waterman, Fairfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application November 1, 1935, Serial No. 47,766

10 Claims. (Cl. 112—256)



1. In a sewing machine, a bed-plate provided with a bearing; a lubricant reservoir supported thereby; a loop-taker shaft rotatably journaled in said bearing; a loop-taker actuated by said shaft and provided with a raceway; means to supply lubricant to said bearing adjacent the ends thereof, said shaft being provided, in its surface within said bearing, with a plurality of oppositely inclined grooves which diverge in the direction of rotation of said shaft and serve to transmit lubricant from the ends of said bearing to the central portion thereof; and means to conduct lubricant from the central portion of said bearing to said loop-taker raceway.

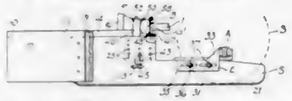
2,103,900

AUTOMOBILE SNOW PLOW

Robert E. Gay, Tewksbury, Mass.

Application December 3, 1935, Serial No. 52,678

13 Claims. (Cl. 37—44)



8. The combination with an automobile having a fixed axle and a bumper spaced therefrom; of a detachable snow plow including V-shaped snow moving members all of which are entirely supported away from the ground by a sled which sled includes parallel runners which extend under the axle, a member of the sled which extends up and bears against the axle and another member of the sled which extends up and bears against the bumper.

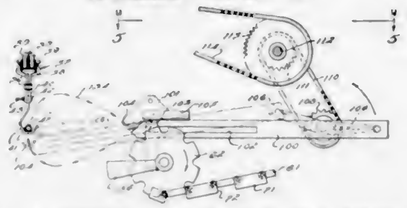
2,103,901

CONVEYER MECHANISM

Robert H. Gordon, Detroit, Mich., assignor to Parker Rust Proof Company, a corporation of Michigan

Application February 14, 1935, Serial No. 6,417

14 Claims. (Cl. 198—20)



1. Conveying apparatus including a system of rails having adjacent mono-rail and double rail

sections provided with angularly disposed transfer portions, said transfer portions of said rail sections each being substantially horizontally disposed, means for movably supporting articles associated with each rail section, respectively, separable holders movable by said means, and apparatus for automatically transferring said article holders from one of said adjacent transfer portions of said rail sections to the other including a carrier constructed and arranged to move said article holders bodily in the general direction of movement thereof on one of the transfer portions of said rail sections.

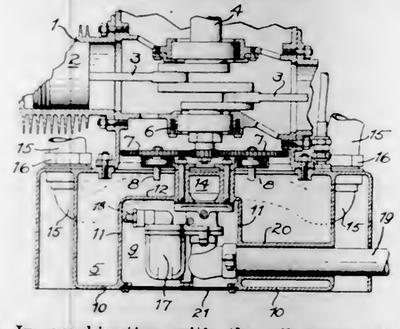
2,103,902

CARBURETOR TEMPERATURE CONTROL

Ralph M. Heintz, Palo Alto, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 11, 1936, Serial No. 90,165

5 Claims. (Cl. 123—195)



1. In combination with the oil sump of an internal combustion engine, reentrant walls extending from the bottom of said sump upwardly to enclose and define a chamber therein bathed in oil and open below to the atmosphere, a carburetor in said chamber, and an intake line running from said carburetor to a cylinder of said engine through said sump.

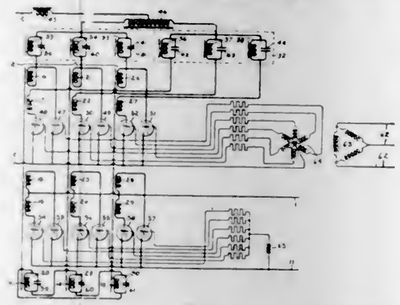
2,103,903

ELECTRIC VALVE CONVERTING SYSTEM

Carl C. Herskind, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application March 20, 1937, Serial No. 132,153

8 Claims. (Cl. 171—97)



8. An electric valve converting system for transferring energy between two constant potential direct current circuits comprising an *n*-legged transformer having two primary windings, two secondary windings and a tertiary winding on each leg thereof, an *n*-legged core structure having two primary and two secondary windings on each leg thereof, a capacitor for each leg of said structure, each capacitor being associated with one of the primary windings to form an energy storage circuit, an inductive winding having an intermediate point connected to one side of one of said direct current circuits, means connecting one terminal of said inductive winding with one terminal of one of the primary windings on each leg of said structure, means connecting the other terminal of said inductive winding with one terminal of each of the remaining primary windings of said structure, means for connecting each of the remaining terminals of the primary windings of said structure with a different primary winding of said transformer, a plurality of controlled electric discharge paths interconnecting the remaining terminals of the primary windings of said transformer with the other side of said direct current circuit, means connecting one terminal of each of the secondary windings of said device with one side of the other of said direct current circuits, means connecting the remaining terminals of each of the secondary windings of said structure with one terminal of a different one of said secondary windings of said transformer, a plurality of electric discharge paths interconnecting the remaining terminals of the secondary windings of said transformer with the other side of said second direct current circuit, a capacitor for each of said tertiary windings of said transformer arranged to form energy storage circuits, means interconnecting all of said tertiary windings and associated capacitors in a closed circuit, and means for controlling the conductivities of said electric discharge paths.

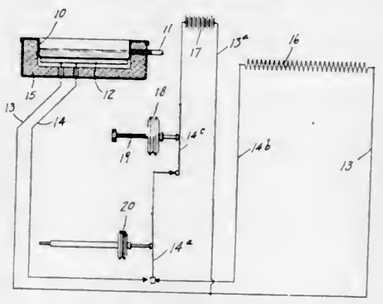
2,103,904

HUMIDITY AND TEMPERATURE CONTROL SYSTEM

Dewey H. Hill, Macomb, Ill., assignor to Globe American Corporation, Kokomo, Ind., a corporation

Application February 5, 1937, Serial No. 124,187

3 Claims. (Cl. 236—44)



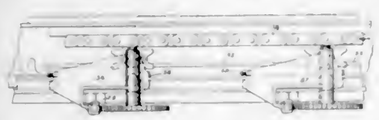
2. In a humidity and temperature control system for incubators, a vapor producing electric heating element, a dry heat producing electric heating element spaced therefrom, an electric circuit including a source of current common to said elements, a dry temperature thermostat for making and breaking said circuit, and a humidity control thermostat for simultaneously making said circuit with one element and breaking it with the other.

2,103,905
TURBINE BUCKET WHEEL NOTCH BLOCK
Rudolph Hillner, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 4, 1936, Serial No. 57,593
2 Claims. (Cl. 253—77)



1. A bucket wheel comprising a disk member having a rim and a row of buckets having bases forming a dovetail connection with the rim, a portion of the rim being cut away to form a notch opening through which the buckets are inserted during assembly, means for closing the notch opening to prevent relative movement between the disk member and the buckets, said means comprising an element having legs straddling the rim and disposed in the notch opening and grub screw means secured in threaded radial bores formed in adjacent portions of the rim and the legs, and means to prevent loosening of the grub screw means.

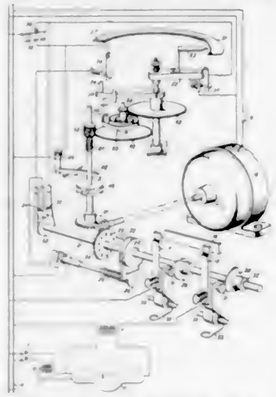
2,103,906
CONVEYER MECHANISM
Henry Kaupp, Long Island, N. Y., assignor to U. S. Galvanizing & Plating Equipment Corporation, Brooklyn, N. Y., a corporation of West Virginia
Application July 26, 1933, Serial No. 682,199
29 Claims. (Cl. 204—5)



1. In combination, a constantly driven conveyer chain; carriers guided one after another, along said chain; a control sprocket rotatably mounted on each carrier and meshing with the chain and comprising gear portions of different diameters; and control members engaging the sprocket member one at a time only and including control rack members of limited length adapted to mesh with said gear portions.

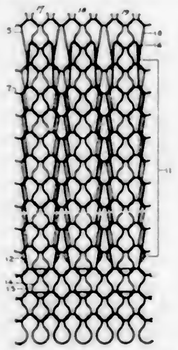
2,103,907
TIME SWITCH
William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 15, 1937, Serial No. 142,836
11 Claims. (Cl. 175—375)

1. A time switch comprising, a constant-speed motor, a cam shaft, a clutch for connecting and disconnecting said shaft to and from driving relation with the motor, a switch, cam means on said shaft for closing said switch during only a selected part of each revolution of said shaft, a solenoid for connecting said clutch, means for disconnecting the clutch when the solenoid is deenergized, an energizing circuit for said solenoid having two parallel branches, each branch containing two sets of control contacts in series relation, a cam on said shaft for operating one set of control contacts of each branch so that one set is closed when the other is open and vice



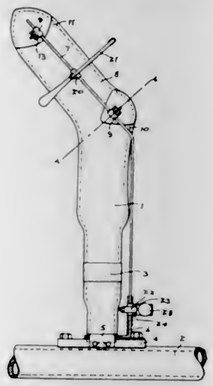
versa, said cam being positioned with respect to the first mentioned cam means to open one set of contacts operated thereby when said switch is open and to open the other set of contacts operated thereby when said switch is closed, the other sets of control contacts in the parallel branches being normally open, and timing means for momentarily closing one of the normally open contacts and closing the other normally open contacts a selected time period thereafter.

2,103,908
KNITTED FABRIC AND METHOD OF KNITTING THE SAME
Robert H. Lawson, Pawtucket, and Arthur N. Cloutier, Lonsdale, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 9, 1931, Serial No. 528,808
6 Claims. (Cl. 66—172)



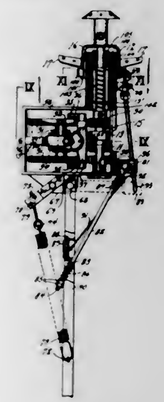
4. A two-faced fabric, one face thereof consisting of alternating rib and plain wales, and the other face thereof consisting of plain wales.

2,103,909
HOSIERY DRYING AND PRESSING DEVICE
John Lipson and Nathaniel Lipson, Toronto, Ontario, Canada
Application December 28, 1935, Serial No. 56,432
7 Claims. (Cl. 223—76)



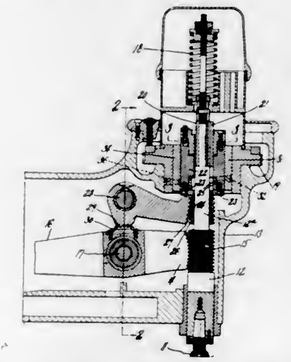
1. A hosiery drying apparatus, comprising a drying form upon which the hose are adapted to be stretched, means for applying pressure locally at spaced points to the toe and heel portions only of said hose during the drying thereof whereby the remaining foot and leg portions of the hose are free to conform naturally to the shape of the form, and means for adjusting the toe and heel pressing means in relation to the said form and to each other to bring the same into accurate cooperative pressing relation with the toe and heel portions of the hose.

2,103,910
WINDMILL
Kenneth R. Lung, Kendallville, Ind., assignor to Flint & Walling Manufacturing Company, Kendallville, Ind., a corporation of Indiana
Application January 25, 1937, Serial No. 122,204
9 Claims. (Cl. 170—46)



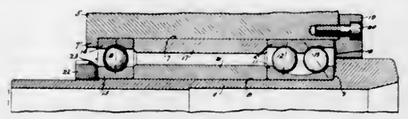
1. A windmill comprising a shaft, a swivel axis support for the shaft, a wind wheel outboard from the support on the shaft, an arm having a pivotal connection with the support parallel with the swivel axis and opposite from the wheel, a rudder plane carried by the arm, a bracket fixed with the support, a rockable pin in the bracket having an axis parallel to the axis of the arm, a stem through said pin, a spring connected to the stem and extending to the arm with the pin as rockable to allow the stem to take the direction of the spring, and adjusting means for the stem at the pin.

2,103,911
HELICAL GEAR SHAPING MACHINE
Edward W. Miller, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a corporation of Vermont
Application March 8, 1935, Serial No. 9,969
11 Claims. (Cl. 90—9)



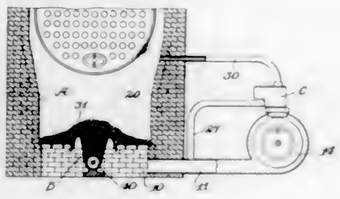
1. A machine tool comprising a rotatable and reciprocative spindle, means for reciprocating said spindle, helical guide means for imparting back and forth rotational movements to the spindle during its reciprocations in opposite directions, including a guide element secured to the spindle, a complemental helical guide element, means for reciprocating said complemental element oppositely to the reciprocations of the spindle and simultaneously therewith, and means for limiting such movements of said complemental element to a prescribed path.

2,103,912
BEARING
Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application September 22, 1936, Serial No. 101,935
7 Claims. (Cl. 308—233)



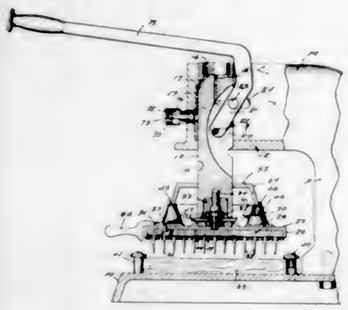
1. An inherently preloaded double row angular contact ball bearing, the angle of contact of the row to take maximum thrust being substantially greater than the angle of contact of the other row.

2,103,913
STOKER CONTROL AND METHOD OF MAINTAINING DESIRED FUEL BED RESISTANCE
Harold S. Morton, St. Paul, Minn.
Application May 16, 1934, Serial No. 725,930
4 Claims. (Cl. 236—15)



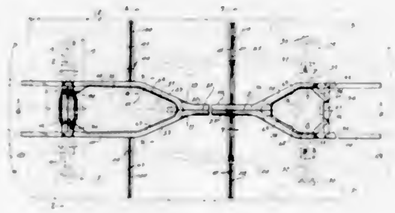
1. In a fuel feed control for stokers and the like comprising, a large disc subjected to atmospheric pressure on one side and to reduced pressure inside the air inlet orifice of the stoker fan or draft on the other side, a shaft for floatingly supporting said disc, a smaller disc mounted on said shaft subjected to the pressure in the windbox of the stoker on one side, and to the pressure of the combustion chamber on the other side, and an electric switch connected to said shaft controlling the operation of the fuel feeding mechanism operable by the movement of said discs and shaft, whereby the change in pressure differentials acting on said discs will control the feeding of fuel to a furnace.

2,103,914
MEAT TENDERER
Stephen W. Neldner, Milwaukee, Wis.
Application February 6, 1936, Serial No. 62,620
9 Claims. (Cl. 17—25)



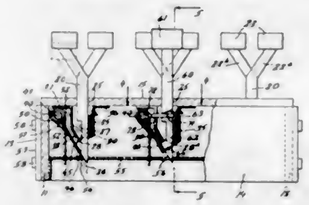
1. A meat tenderer comprising a base, a standard on one end of said base having a forwardly extending arm overlying the base, a plunger slidably mounted in said arm, means for raising and lowering the plunger, a head, a cutter carried by said head having a plurality of rows of cutting knives, a bearing stud on said head having an annular groove, a bearing socket carried by the lower end of the plunger for rotatably and removably receiving the stud, said plunger having spaced ways communicating with the bore of the socket, and a removable U-shaped pin detachably fitted in said ways for engaging the walls of the annular groove to rotatably and detachably support said head.

2,103,915
VEHICLE CONSTRUCTION
Karl K. Probst, Toledo, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 15, 1934, Serial No. 725,769
Renewed January 11, 1937
14 Claims. (Cl. 280—106)



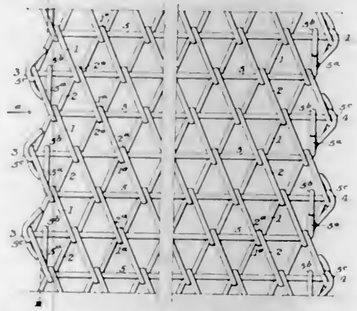
1. A vehicle frame comprising a central tubular portion terminating in spaced furcations; two U-shaped members, one U-shaped member secured to and embraced by each of said furcations; and a transversely extending member joining the branches of each of said furcations forming vehicle spring supporting means.

2,103,916
CRIBBAGE SCORING DEVICE
Fred Herman Robinson, Rye, N. H.
Application May 27, 1936, Serial No. 82,065
2 Claims. (Cl. 235—90)



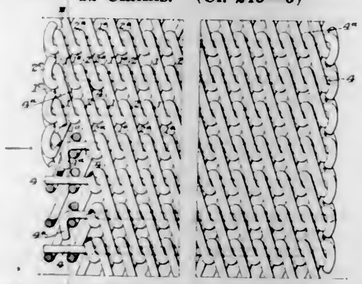
1. An operating mechanism for a scoring device having at least one row of depressible keys each provided with a depending plunger, each plunger having a recessed portion adjacent its lowermost end and formed at one side thereof to define a shoulder, a stop plate common to all of said plungers fixedly mounted relative thereto and provided with an abutment edge extending into each of said plunger recesses for engagement by said shoulders, spring return means individual to each plunger for maintaining the same in their normal engagement with said stop plate; a spring controlled swinging locking plate common to all of said plungers oscillatably mounted on a horizontal shaft in opposed spaced and juxtaposed relation to said stop plate and in contacting engagement with the lower end of said plungers including a torsion helical spring mounted on said shaft having one end fixed relative thereto and its other end bearing on the side of said locking plate remote from said plungers, an abutment edge on said locking plate arranged beneath and substantially in the plane of said stop plate abutment edge; whereby upon the depressing of any one plunger the shoulder thereon will move downwardly into engagement with the abutment edge of said locking plate for locking engagement therewith.

2,103,917
WIRE FABRIC AND METHOD OF MAKING THE SAME
Otto Carl Scherfel, Haddon Heights, N. J., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application April 29, 1936, Serial No. 76,922
8 Claims. (Cl. 245—6)



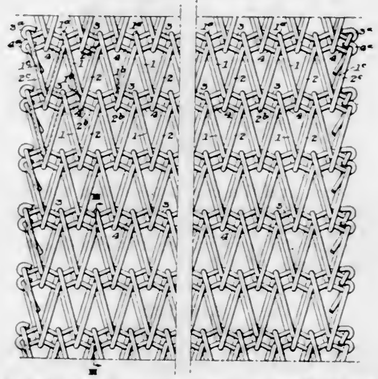
1. Belt fabric made up of continuous helically coiled wires in interengaging relation transversely of said fabric throughout their extent with the free ends of pairs of said wires knuckled together, and cross rods or wires passing through each set of interconnecting bights of said helically coiled wires; each of said cross rods or wires having a bend at one end disposed within the knuckled connection of the helically coiled wires and terminating in looped connection with an adjacent cross rod or wire alternately at opposite edges of the fabric.

2,103,918
WIRE FABRIC AND METHOD OF MAKING THE SAME
Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application May 18, 1936, Serial No. 80,441
12 Claims. (Cl. 245—6)



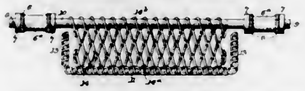
1. A wire fabric comprising helically coiled wires arranged in pairs and interconnected with the wires of other pairs; each wire of each pair having its ends in knuckled engagement with the wires of adjacent pairs in alternate relation and the interconnection of said wires providing two sets of bights in parallel alignment throughout the full extent of the fabric; each wire of each pair being freely movable with respect to the other wire of such pair and the wires of adjacent pairs, and cross wires located in the interconnecting bights of all of the adjacent sets of helically coiled wires and having their ends wholly embedded within the fabric between helices of the helically coiled wires.

2,103,919
WIRE FABRIC AND METHOD OF MAKING THE SAME
Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application May 22, 1936, Serial No. 81,140
12 Claims. (Cl. 245—6)



1. A belt fabric made up of a plurality of sets of helically coiled wires of right and left twist; the wires of one twist alternating with wires of opposite twist throughout the entire extent of the fabric, and pairs of cross connector wires associated with each of said helically coiled wires; one wire of each pair of said cross connector wires being positively attached to a helically coiled wire.

2,103,920
CONVEYER BELT
Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, Philadelphia, Pa., a corporation of New Jersey
Application December 8, 1936, Serial No. 114,734
14 Claims. (Cl. 198—194)

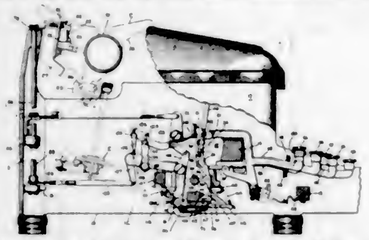


1. A conveyer belt comprising a plurality of chains arranged in a parallel relation, cross-bars connecting and spacing said chains at intervals, a continuous fabric formed of transversely arranged and interlocking helically coiled wires disposed between said chains; said fabric being spaced some distance below the pitch line of the chains and in substantial parallel relation therewith, and flexible supporting means for said fabric hung from said cross-bars and forming with the fabric a succession of pockets.

2,103,921
TYPEWRITING MACHINE
Russell G. Thompson, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application February 20, 1937, Serial No. 126,903
5 Claims. (Cl. 197—17)

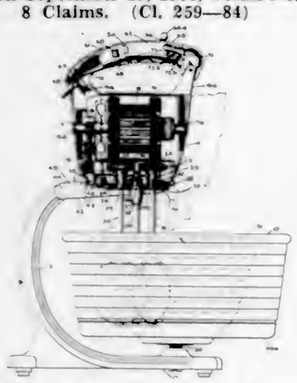
1. In a power-driven typewriter having a frame, a carriage adapted to traverse the frame, a multiplicity of type actions, a carriage-return mechanism, a driving unit, actuators transiently engageable with the driving unit to operate the type actions and the carriage-return mechanism,

and keys for causing said engagement; the combination of a locking mechanism for the said keys, comprising a row of relatively shiftable units loosely confined within limits, and blades controlled respectively by the said actuators for the



type actions and the carriage-return mechanism, any one of which blades is adapted to enter between the limits and take up the looseness of the units to thereby prevent the introduction of more than one blade at a time.

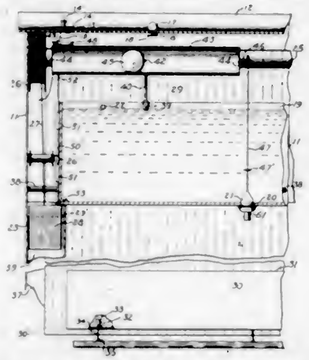
2,103,922
MIXING DEVICE
Walter Van Guilder, Oak Park, Ill., assignor to General Electric Company, a corporation of New York
Application September 19, 1935, Serial No. 41,248
8 Claims. (Cl. 259—84)



1. A household food mixing device comprising a standard, a combination motor, and beater operating unit removably mounted on said standard, whereby said beater can be operated while mounted on said standard, or as a portable device removed from said standard, a handle for said unit for supporting it when removed from said standard, a switch for said motor provided with a switch controlling member, means biasing said controlling member to its off position, and a latch for said controlling member arranged to hold it in its motor energizing position against the force of said biasing means when said unit is positioned on said standard, and positioned to be engaged and moved to a releasing position by the operator when said handle is grasped to support and operate said unit as a portable device.

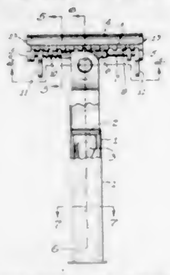
2,103,923
AUTOMATIC AWNING
Otto Vogel, Farmingdale, N. Y.
Application April 7, 1936, Serial No. 73,076
9 Claims. (Cl. 156—44)

9. An automatic window-guard of the charac ter described comprising a roller awning mounted in a housing, a receptacle on the awning for facilitating the lowering thereof, a controlled drip outlet in the receptacle, a reservoir for water combined with the housing and having an overflow, rain-actuated means for controlling the dispensing of water from the reservoir to fill the receptacle and cause lowering of the awning, a gutter combined with the housing for collect-



ing rain-water, valves in said gutter adapted to open with a rise of rain-water therein for replenishing the reservoir and causing an overflow to keep the receptacle filled, and means, automatically operable when the water draining from the receptacle reaches a predetermined level, for rewinding the awning and resetting the rain-actuated means.

2,103,924
SAFETY RAZOR
Leonard A. Young, Detroit, Mich.
Application January 2, 1936, Serial No. 57,098
6 Claims. (Cl. 30—50)

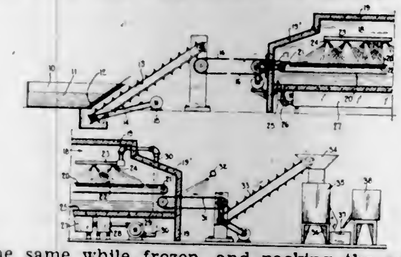


1. A razor comprising a handle, a blade seat member extending transversely of said handle opposite an end thereof, dual blade guards pivotally mounted upon said member to swing toward and from the seat side thereof, and spring means common to both of said guards for urging said guards toward said member with equalized pressures to clamp a blade between said member and guards.

2,103,925
METHOD OF FREEZING FRUITS
Wladimir M. Zarotschenzeff, Englewood, N. J., assignor to Z Pack Corporation, a corporation of Delaware
Application April 10, 1934, Serial No. 719,843
Renewed January 12, 1937
6 Claims. (Cl. 99—193)

1. A method of treating edible products having

pits, comprising quick freezing the same, pitting



the same while frozen, and packing the same with sugar syrup in containers for cold storage.

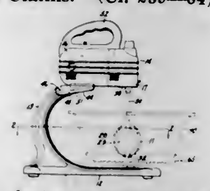
2,103,926
METHOD OF PRODUCING DIAZODINITROPHENOL AND PRODUCT THEREOF
Harvey B. Alexander, Kingston, N. Y., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 8, 1936, Serial No. 95,014
4 Claims. (Cl. 260—69)

1. Method of producing free-flowing diazodinitrophenol which includes reacting a salt of picramic acid, a soluble nitrite, and a strong acid in the presence of mother liquor derived from the manufactue of picramic acid.

2,103,927
NONGUMMING MOTOR FUEL
Lester S. Bale, Shaker Heights, Ohio, assignor to The Standard Oil Company (Ohio), Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 23, 1935, Serial No. 17,832
4 Claims. (Cl. 44—9)

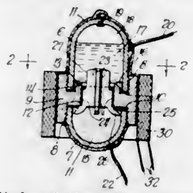
1. A motor fuel, comprising a gasoline having its gum-solventicity raised with about 0.2–1.6 per cent of a mineral oil of 18–35 gravity devoid of lubricating viscosity for internal combustion engine temperature and about 0.02–0.4 per cent of a halogenated aromatic compound.

2,103,928
MIXING DEVICE
Robert F. Bean, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application July 31, 1935, Serial No. 34,010
13 Claims. (Cl. 259—84)



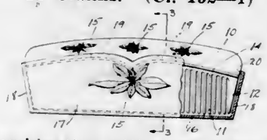
1. A mixing device comprising a base, a support on said base, a motor-driven beater unit, means detachably mounting said beater unit on said support, means pivotally connecting said support to said base so that said beater unit can be swung from and returned to a working position, and locking means on said unit operative to engage a part of said base when said support is swung to carry the unit into its working position to prevent separation of said beater unit from said support.

2,103,929
SWITCH
Paul S. Bear, Dowagiac, Mich., assignor, by mesne assignments, of three-fourths to Herbert E. Bucklen, Elkhart, Ind., and one-fourth to said Paul S. Bear
Application December 26, 1934, Serial No. 759,153
34 Claims. (Cl. 200—112)



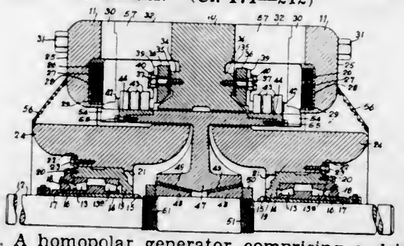
1. In a switch of the class described, a switch housing comprising a pair of hollow metal electrodes secured to an intermediate ceramic spacing member, a body of mercury in one of said electrodes, means defining an annular groove between said ring and the other of said electrodes and having an inner defining edge formed at an acute angle, and magnetically responsive means within said housing for displacing a portion of said mercury over said acute angled edge into contact with the other electrode.

2,103,930
COMB AND CASING
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application March 5, 1937, Serial No. 129,117
11 Claims. (Cl. 132—1)



1. In combination with a comb having a projecting portion, a one-piece casing for the comb, said casing having resilient side walls and an integral projection on each side wall adapted to engage the projection on the comb to hold the latter in place.

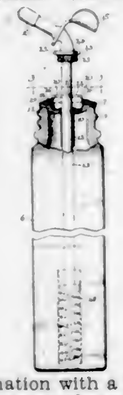
2,103,931
INSULATED HOMOPOLAR GENERATOR
Clarence E. Berger, Shrewsbury, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application May 22, 1935, Serial No. 22,840
4 Claims. (Cl. 171—212)



1. A homopolar generator comprising a drive shaft, a unitary rotor thereon including a hub having a central portion with an annularly

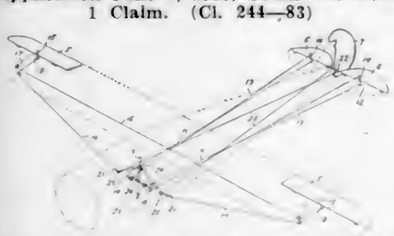
flanged rim portion thereon, an outer stationary magnetic structure disposed adjacent the outer surface of said flanged rim portion, an inner stationary magnetic structure disposed adjacent the inner surface of said flanged rim portion, means for collecting the electricity from said rotor at opposite sides of said outer stationary magnetic structure, and means for preventing the conduction of electricity between said rotor and said shaft whereby to confine the passage of the current generated from end to end of said flanged unitary rotor.

2,103,932
CONTAINER AND PUMP
Rudolph Bernhardt, Chicago, Ill.
Application September 12, 1933, Serial No. 689,106
2 Claims. (Cl. 299—97)



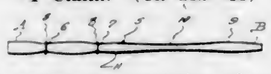
2. The combination with a bottle, of a closure, said bottle having a neck and having a reciprocating pump mounted therein with its piston rod freely movable through the closure, said closure comprising a cap formed of thin metal mounted on the bottle and having a central opening therethrough, a disc positioned between the top of the bottle and the cap, a bearing mounted in the disc and engaging with the rod, an annular plate formed of heavier material than the cap which is positioned between the disc and the cap and having a raised portion extending outwardly through said central opening in the cap said disc and plate being marginally secured to the bottle neck by the cap, means associated with the rod adapted to detachably engage with the plate and hold the rod in retracted position, and means for making a tight packing between the rod and the bearing.

2,103,933
AEROPLANE CONTROL
George A. Clark, Filer, Idaho
Application June 2, 1936, Serial No. 83,095
1 Claim. (Cl. 244—83)



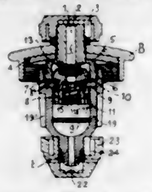
In a control mechanism for aeroplanes, a shaft rotatably journaled in the fuselage of an aeroplane transversely thereof, a control stick pivoted to the shaft for independent transverse movement, said stick being also operable to rotate the shaft upon a forward and rearward movement of the stick, rocker arms on the respective opposite ends of the shaft, a pair of elevator control wires secured at one end to the respective opposite end of each of the rocker arms, a plate member secured on said control stick, a pair of aileron control wires secured at one end to said plate at opposite sides of the control stick and connected to the ailerons of the aeroplane, a second plate secured to the control stick adjacent the first named plate, and control wires secured at one end to the respective opposite ends of the second named plate at opposite sides of the control stick and connected to the rudder of the aeroplane for simultaneously actuating the rudder and ailerons, a control wire and laterally spaced pulleys adjacent said ailerons, said control wire being trained over said laterally spaced pulleys and connected at its respective opposite ends with the ailerons for transmitting movement of one aileron to the other.

2,103,934
HAIR WAVER
Julia A. Cogswell, Jackson, Mich.
Application April 22, 1936, Serial No. 75,831
1 Claim. (Cl. 132—33)



A hair waving rod consisting of an elongated member provided with a pair of reduced areas adjacent one end thereof, and a rib member circumferentially disposed in each of the said reduced areas.

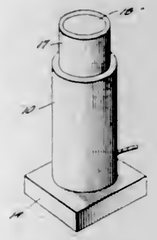
2,103,935
DEVICE FOR PREVENTING EVAPORATION OF VOLATILE PRODUCTS
Raoul Eugéne Cossais, Maisons-Alfort, France
Application December 10, 1935, Serial No. 53,833
In Luxemburg December 13, 1934
2 Claims. (Cl. 220—44)



1. In combination with a container, a device for preventing evaporation of a volatile or similar product, present in said container, which comprises, in combination, means for closing said container in a fluidtight manner, check valve means for the inflow of air into said container, a safety valve for the outflow of fluid from said container in case of an overpressure therein, a cup adapted to contain a liquid disposed under said means, and an air inlet tube connected with said check valve means and adapted to dip in the liquid in said cup so as to form a hydraulic joint.

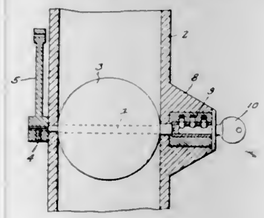
2,103,936
MULTIPLE EFFECT PYROTECHNIC
Josef B. Decker, Elkton, Md.
Application October 9, 1935, Serial No. 44,263
5 Claims. (Cl. 102—20)

1. A pyrotechnic device of the type described including, in combination, a cardboard mortar tube, a base therefor, a lifting and salute charge therein, a cardboard projectile tube containing a bursting charge, means to ignite the first charge, delay means to communicate the flame of the ignited first charge to the second charge, the



mortar tube housing a large portion of the lower end of the projectile tube and being initially of less internal diameter than the external diameter of the projectile tube whereby it fits the same with sufficient friction to develop the full lifting and salute effects of the first charge.

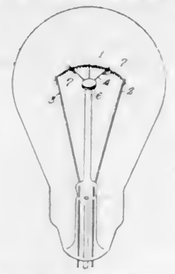
2,103,937
AUTOMOBILE LOCK
Oris M. Driscoll, Trenton, N. J., assignor of one-half to Geo. J. Perlman Co., Trenton, N. J., a corporation of New Jersey
Application March 29, 1935, Serial No. 13,776
4 Claims. (Cl. 70—242)



1. An engine intake manifold lock comprising, in combination, a valve journaled in the manifold, means connected to one end of said valve for closing the same, a lock mounted on the manifold and connected to the other end of said valve for releasably securing the same in closed position, and resilient means for returning the valve to open position when said valve is released by the second-named means.

2,103,938
MANUFACTURE OF ELECTRIC INCANDESCENT LAMPS HAVING COILED-COIL FILAMENTS
Bernard Phineas Dudding and Reginald Edward Leeds, Middlesex, England, assignors to General Electric Company, a corporation of New York
Application April 14, 1937, Serial No. 136,940
In Great Britain March 6, 1936
2 Claims. (Cl. 176—39)

1. In an electric incandescent lamp having an arcuately mounted coiled-coil filament securely held at its ends, means for supporting said filament intermediate its ends consisting of support wires having loops engaging said filament, said loops being elongated in the direction in which the filament tends to move relatively to the supports by virtue of its contraction during aging

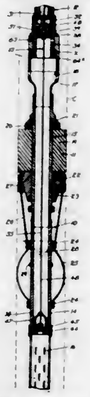


but fitting the filament comparatively closely in the direction normal thereto.

2,103,939
ORNAMENTAL BASE FOR CHRISTMAS TREES
William M. Flanagan, Philadelphia, Pa.
No Drawing. Application February 17, 1937, Serial No. 126,307
2 Claims. (Cl. 41—10)

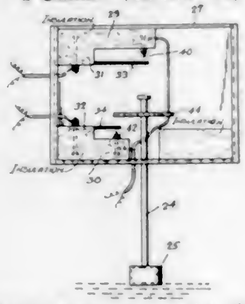
2. An ornamental Christmas tree base comprising a thin unsized bat of fibrous material needled at widely spaced points to a backing material, the strands of said fibrous material being so arranged as to stand away from the backing material, and the fibers thereof being suitably multi-colored.

2,103,940
WELL TESTER
Allen H. Fletcher, Bakersfield, Calif., assignor of three-ninths to George D. Slusher, two-ninths to Burton W. McCune, and two-ninths to Bernard P. Meyer, all of Bakersfield, Calif.
Application July 14, 1934, Serial No. 735,252
13 Claims. (Cl. 166—1)



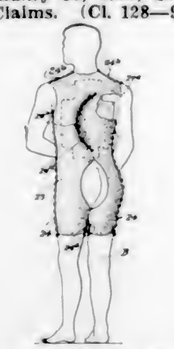
1. A well tester for use on a test string including a body, a packer on the body for sealing off the lower portion of a well, a pump connecting the body with the string and operable by the string to transfer fluid from below the packer into the string, and means made operative by manipulation of the string for admitting fluid pressure from the well above the packer to the well below the packer to equalize the well pressures above and below the packer.

2,103,941
ELECTRICAL SWITCH
Arthur Ellsworth Franey, Ecorse, Mich.
Application March 1, 1935, Serial No. 8,949
Renewed July 8, 1937
1 Claim. (Cl. 200—84)



In a switch structure of the character described, a contactor assembly, said assembly consisting of a pair of elongated flat spring conductor members, said conductor members being provided with a strip of insulation between the same for insulating the same, a pair of leg members projecting laterally in opposite directions from the assembly at one end thereof, one leg member projecting from each of the conductor members, a pair of contact fingers projecting laterally from the opposite end of the assembly, one finger projecting from each of the conductor members, a pair of stationary contacts in opposed relation to the said contact fingers, and actuating means for urging the said contact finger ends of the assembly toward and against the said stationary contacts.

2,103,942
DETACHABLE PLASTER CAST
Harry M. Gillin, Millville, N. J.
Application January 30, 1936, Serial No. 61,588
5 Claims. (Cl. 128—91)



1. A cast of the class described comprising a body having a slit formed therein, a separable fastening means secured around the marginal edges of the slit and formed to provide a movable flap to permit access under the cast.

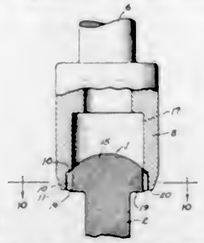
5. As a new article of manufacture, a lining for a plaster cast formed of fabric and having spaced marginal edges defining a longitudinally extending slit, a sealing tongue secured along one marginal edge of the lining and of a width adapting it to extend across the slit, anchoring strips extending along marginal edges of the lining and attached thereto and having free portions extending from the margins in overlying relation to the lining and adapted to be embedded in plaster applied to the lining, and interengaging fastener means extending along the length of the slit and attached to marginal edge thereof.

2,103,943
DRAWING BOOK
Elidore H. Gorton, Baltimore, Md., assignor to The Baltimore Salesbook Company, Baltimore, Md., a corporation of Maryland
Application December 11, 1934, Serial No. 757,050
11 Claims. (Cl. 35—26)



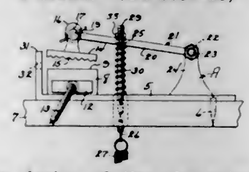
1. In combination, connected severable sheets disposed one over the other, the lowermost sheet initially having incomplete graphic matter thereon, the other sheet having indicia on its upper surface for guidance of a stylus applied thereover to supplement said matter of the first sheet to complete the same through the aid of a transfer medium disposed intermediate the sheets.

2,103,944
SCREW PART AND DRIVER
Arthur V. Gullborg, Chicago, Ill.
Application April 29, 1935, Serial No. 18,716
5 Claims. (Cl. 145—50)



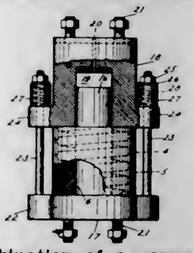
1. The combination of a screw-driving tool having a head-receiving socket formed with internal teeth and intervening notches extending parallel to the socket axis, a threaded fastening element to be turned by said tool comprising a metal head having fine teeth formed around its periphery parallel to its axis and adapted to be received in the notches of said tool and to engage the surfaces of said teeth when the tool is rotated, the internal radius of said socket at the roots of said notches being greater than the radius of said head at the tips of teeth thereon whereby to provide radial clearance for facilitating entry of said head in said socket, the engaging surfaces of the teeth on said head and tool being disposed at approximately forty-five degrees with respect to a radius therethrough and coacting during application of turning torque to said tool to cam said head automatically to centered position in said socket.

2,103,945
ELECTRIC BAG SEALER
Norris B. Henley, Fort Myers, Fla.
Application December 14, 1936, Serial No. 115,845
1 Claim. (Cl. 226—56)



A sealing device of the character described comprising a base plate, a block-like heating element arranged on said base plate and having a flat horizontally arranged work engaging top, a presser head above said top and having a fluted work engaging face, a lever frame hinged to the base plate, winged screws adjustably attaching the said head to the frame for vertical swinging adjustment thereof, means operating said lever frame for the raising and lowering of the head relative to the heating element and urging said frame to normal raised position, a vertical work guide adjacent to said heating element and having a slot with its lowermost edge flush with the top of the latter for directing work between the heating element onto the top thereof and the head when the latter is in raised position, and a yieldable element included in the operating means for the lever frame.

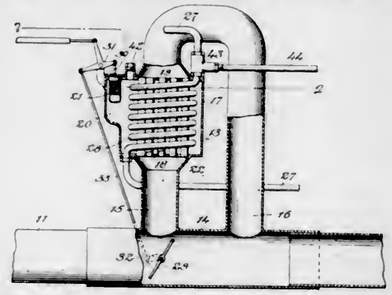
2,103,946
SHOCK ABSORBER
John H. Herr, Palisade, N. J.
Application May 20, 1936, Serial No. 80,852
3 Claims. (Cl. 267—33)



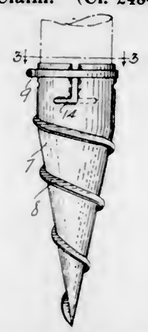
1. The combination of a compression spring embedded in a cylinder of resilient material having an axial bore thru same, a guide rod disposed in said bore and projecting beyond same, a sleeve journalling said guide rod and abutting said cylinder, a saddle plate carrying said rod and abutting said cylinder, and a plurality of tension rods projecting from said saddle plate and having their free ends engaging said sleeve whereby to compress said sleeve against said resilient cylinder.

2,103,947
FUEL HEATER FOR INTERNAL COMBUSTION ENGINES
Frederick J. Holmes, Detroit, Mich.
Application February 26, 1935, Serial No. 8,386
Renewed May 17, 1937
4 Claims. (Cl. 257—241)

1. A unit for utilizing hot gases to heat a liquid, said unit comprising a pipe section to be interposed in a hot gas conducting conduit, a liquid containing chamber, a plurality of hot gas conducting tubes extending through said chamber, a hot gas delivery conduit leading from said pipe section to adjacent ends of said tubes and a hot gas return conduit leading from the other ends of said tubes to said pipe section for circulation of hot gases through said tubes to heat the liquid contained in said chamber, and a conduit for the liquid to be heated extending through said chamber and maintaining the liquid therein separated from the liquid in the chamber.



2,103,948
BEACH UMBRELLA POINT
Elmer Jones, Los Angeles, Calif.
Application July 22, 1936, Serial No. 91,954
1 Claim. (Cl. 248—44)

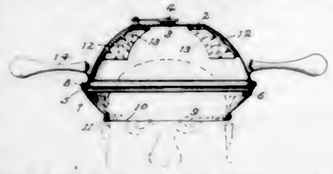


A ground penetrating attachment for an umbrella comprising a hollow cone-shaped body having a pointed lower end and an open upper end to receive the staff of the umbrella therein, said body being slotted on diametrically opposite sides from the open end and the edges of the slot being inturned to provide tongues to penetrate the staff, detachable means surrounding the body about the upper end thereof and cooperating with the tongues for securing the staff in the body, and a thread formed on and extending outwardly from the body and spirally arranged about the same from the pointed end thereof.

2,103,949
SCALP-TREATING DEVICE
Maxemilian E. Koehler, Washington, D. C.
Application February 13, 1937, Serial No. 125,629
1 Claim. (Cl. 128—299)

A scalp-treating device including a helmet in the form of a hollow rigid metallic body fully open at the bottom, handles projecting from the

body, the interior dimensions of the helmet being materially greater than the similar dimensions of the head of a person with which the helmet is to be used, whereby to permit free manipulation of the helmet in all directions relative to the head of the person without contact with the head, the upper end of the helmet being formed with an air vent, a valve controlling the air vent to permit direct exit from and prevent entrance of air into the helmet, a flexible elastic apron having an upper edge in removable sealing cooperation with the lower free edge of the helmet and the lower edge formed for sealing cooperation with the head of the person to which the helmet has been applied, the length of the apron from the edge



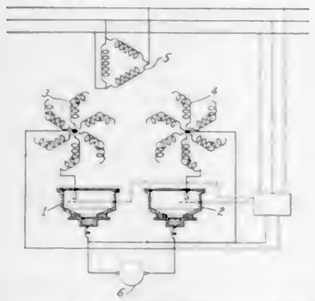
engaging the helmet to the edge engaging the head of the person being of such length as to permit manual manipulation of the helmet in all directions without disturbing the sealing cooperation of the helmet and head, and massage elements secured to the inner surface of the helmet and capable of being brought into contact with the head of the person by manipulation of the helmet by means of the handles to provide a massage operation through subsequent movement of the helmet, the movement of the helmet toward and from the head of the person by means of the handles serving to create a vacuum condition within the helmet and within that portion of the apron above the line of sealing cooperation of the apron with the head.

2,103,950

CONVERTING SYSTEM FOR REVERSIBLE ALTERNATING CURRENT-DIRECT CURRENT CONVERSION

Wilhelm Leukert, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 26, 1937, Serial No. 122,382
In Germany January 24, 1936
4 Claims. (Cl. 175—363)



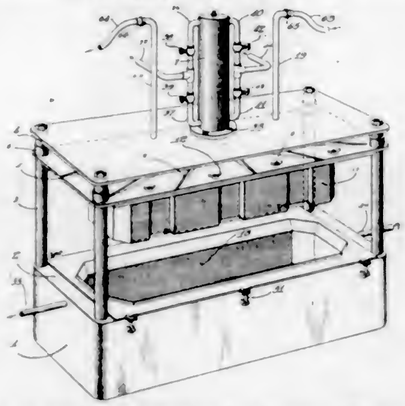
1. A reversible electric current converting system comprising an alternating current circuit, a regenerative load circuit, two cross-connected, grid controlled polyphase converters for controlling current flow between said circuits, transformer means for supplying energy to said converters, said transformer means being arranged to feed potential to one of said converters having a shifted phase angle with respect to the potentials supplied to the other.

2,103,951

APPARATUS FOR MAKING BURIAL COFFINS

Everett Marion Lewis, Tulsa, Okla.

Application March 2, 1936, Serial No. 66,694
3 Claims. (Cl. 18—55)



1. A molding apparatus for burial coffins and lids therefor, comprising a base, guide means rising from the base, a plate mounted for travel on the guide means, a male mold including spaced walls providing a chamber therein, a flange disposed about and outwardly beyond the top of the mold and closing the chamber, means for detachably securing the flange to the traveling plate for movement of the mold therewith, a female mold receiving the male mold for cooperation therewith and including spaced walls providing a chamber therein, a flange disposed about and outwardly beyond the top of the female mold for closing the chamber thereof to rest upon the base, slotted means extending from the outer edges of the flange of the female mold, means pivotally mounted to the base and received in the slots for detachably securing the female mold to the base, ram means for the traveling plate to raise and lower the male mold with respect to the female mold, means for introducing steam in the chambers, and exhaust means therefor.

2,103,952

CARBOHYDRATE DERIVATIVES AND PROCESSES FOR MAKING THE SAME

Leon Lilienfeld, Vienna, Austria

No Drawing. Application July 16, 1934, Serial No. 735,520. In Great Britain July 17, 1933
7 Claims. (Cl. 260—152)

1. Process for the manufacture of water-soluble alkyl derivatives of cellulose, wherein the alkylation is effected by means of an alkyl halide and is conducted in the presence of a proportion of caustic alkali to cellulose of at least 0.3 but not substantially over 0.8 part of caustic alkali calculated as NaOH, to 1 part of cellulose and in the presence of a proportion of water to cellulose of at least 0.5 part of water to 1 part of cellulose, the quantity of water present being in every case larger than the amount of caustic alkali present calculated as NaOH, but smaller than three times the weight of the caustic alkali calculated as NaOH.

2,103,953

COLLOIDAL PLANT FOOD AND STIMULANT

Charles Northen, Orlando, Fla.

No Drawing. Application October 22, 1936. Serial No. 107,101
6 Claims. (Cl. 71—2)

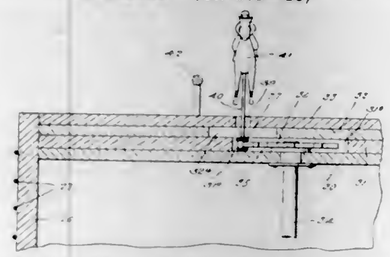
1. A composition of matter for stimulating plants comprising an intimate mixture of finely divided natural colloidal phosphate fertilizer and colloidal compounds of calcium, magnesium, copper, zinc, iodine, boron, and manganese, the ratio by weight of the phosphate fertilizer to the added calcium and magnesium compound each being as 100 is to between 2.0 and 30.0 constituting a homogeneous composition in which all of the ingredients are in a finely divided colloidal state and in substantial and beneficial quantities.

2,103,954

AMUSEMENT APPARATUS

Frank E. Pavelka, San Antonio, Tex.

Application April 22, 1935, Serial No. 17,750
2 Claims. (Cl. 273—86)



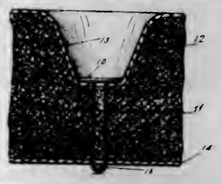
1. A game apparatus comprising a trackway including a plurality of superimposed plies, the uppermost ply having a plurality of slots therein, one of the intermediate plies having a plurality of slots therein underlying the slots of the uppermost ply, sprocket chains extending longitudinally in the slots of the second-mentioned ply, said second-mentioned ply having pockets therein at the edges of the slots therein, sprocket wheels in the pockets, drive means extending through the lowermost ply and operatively connected with the sprocket wheels, and figure supporting members extending upwardly from the chains and through the slots of the top ply.

2,103,955

UPHOLSTERY BUTTON

Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.

Application April 20, 1935, Serial No. 17,525
3 Claims. (Cl. 155—185)



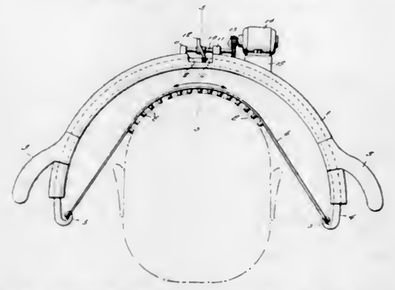
1. An upholstered cushion of the type in which the cushioning material is secured to wires, comprising the cushioning material, the wires, and means to secure said material to said wires at spaced points consisting in one-piece wire tufting buttons each having a head part and a part rigidly attached to said head part to pass through said material and be interlocked to one of said wires, said last named part consisting only in a pair of spaced legs disposed at opposite sides of one of said wires and terminating in U-shaped ends, said U-shaped ends being disposed in side by side relation with the bottom of each U and the wire contacting therewith directly beneath the center of said head part.

2,103,956

MASSAGE MACHINE

August Schumacher, Flushing, N. Y.

Application November 24, 1936, Serial No. 112,577
5 Claims. (Cl. 128—63)



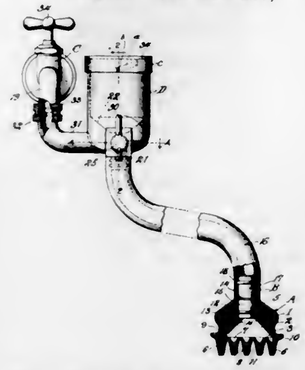
1. A massage machine comprising an arcuate housing, an arcuate bar mounted for reciprocation in said housing the arc of each of the housing and bar being a portion of a circle, a flexible belt connected to the end portions of said bar, and means for reciprocating the bar.

2,103,957

BRUSH AND AN APPLIANCE FOR USING THE SAME

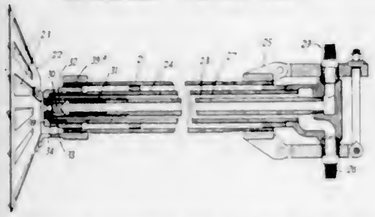
William H. Scott, Rochester, N. Y.

Application May 29, 1936, Serial No. 82,607
3 Claims. (Cl. 15—127)



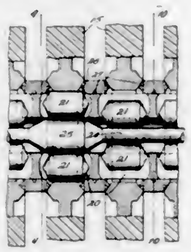
1. In an appliance of the class described, a brush including a body portion having an interior chamber and provided at the bottom wall thereof with outwardly extending massaging fingers having ducts communicating with the interior chamber, said body being also provided with a continuous rib extending outwardly and upwardly from the body and arranged to receive the finger tips and prevent the same from slipping out of contact with it and coming in contact with a person when the brush is used for massaging.

2,103,958
FUEL BURNER
Thomas B. Stillman, South Orange, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 22, 1935, Serial No. 22,702
13 Claims. (Cl. 299—141)



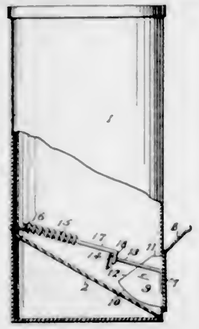
6. A sprayer member for a liquid fuel burner adapted to be mounted in a furnace wall air inlet opening and having a discharge orifice flaring towards its furnace side, a central whirling chamber of circular cross-section formed in one face thereof tapering towards and discharging through said discharge orifice, a fuel nozzle slot formed in said face and having its discharge end opening substantially tangentially into said chamber, and a series of fluid passages arranged substantially symmetrical relative to said discharge orifice and at an angle to the axis thereof and having their discharge ends opening adjacent the furnace end thereof.

2,103,959
CLUTCH FOR TRANSMISSION GEARING
Edson Fitch Spinner, Ava, Ill.
Application October 21, 1935, Serial No. 45,997
3 Claims. (Cl. 192—71)



1. Apparatus of the class described comprising a hollow shaft, a rotatable member surrounding the shaft, rings surrounding the shaft and supporting the rotatable member with a portion of its bore wall in outwardly spaced relation to the periphery of the shaft, the engagement between the rotatable member and rings being along surfaces diverging with respect to the axis of rotation whereby in combination with the shaft a three-bearing floating motion is provided for the rotatable member, said shaft in line with said wall having a slot therethrough, a clutch member, a rod slidable in the bore of said shaft having portions of different diameter, said clutch member being in said slot and of greater dimension than the slot in a direction radially of the shaft, whereby the portion of the rod of greater diameter may contact the clutch member to project it partly beyond the periphery of the shaft to engage said bore wall of the rotatable member and such portion may be disaligned with the clutch member for release of the latter.

2,103,960
DISPENSER
George C. Spiro, Yonkers, N. Y.
Application November 24, 1936, Serial No. 112,580
7 Claims. (Cl. 221—6)



1. A dispenser including a container formed with a discharge opening, a gate for controlling the flow of material through said opening, a finger plate forming an extension of the gate and operable to swing the gate to open position, the movement of the finger plate to open the gate being limited by contact of said finger plate with the container, a bar extending from the gate, an agitator at one end of the bar, and a spring connected at one end to the bar in advance of the agitator and at the opposite end to the container.

2,103,961
EXPOSURE FRAME FOR RÖNTGEN FILM
Gustav Wilmanns, Wolfen Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application March 28, 1935, Serial No. 13,511
In Germany March 31, 1934
3 Claims. (Cl. 250—34)

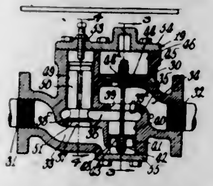


3. An exposure frame for Röntgen film comprising a cassette, a lid for closing said cassette, a fluorescent sheet arranged in said cassette, a second fluorescent sheet arranged in the lid of said cassette, and pins mounted in said cassette, said pins co-operating with holes in a sheet of the same size as has the cassette so that the lid of said cassette cannot be closed when inserting therein a sheet of the same size as has the cassette, but having a different arrangement of holes.

2,103,962
SAFETY DEVICE
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 8, 1936, Serial No. 78,691
51 Claims. (Cl. 121—130)

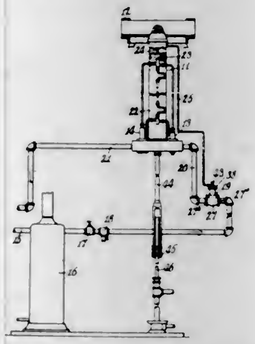
1. In a valve mechanism, a casing providing a passage, a plurality of valves in said casing each adapted to interrupt flow through said passage,

means associated with one of said valves for producing a differential in pressure between the opposite sides of said valve during flow through said casing, and means governed by such differ-



ential in pressure and associated with the other of said valves whereby the same is caused to close after a predetermined period of uniform flow past the first mentioned valve.

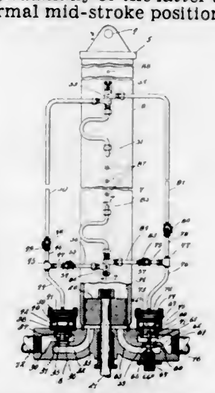
2,103,963
MOTOR APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 21, 1933, Serial No. 681,543
14 Claims. (Cl. 121—47)



1. In a pumping system, in combination, a single acting pumping motor having a load, fluid connections leading to said motor, controlling means for said connections normally yieldingly maintained in flow-permitting position but having associated releasable latch means by which it is held in closed position, when moved thereto, and means controlled by pressure built up in the non-working end of said pumping motor upon loss of pumping load for effecting movement of said controlling means to flow-interrupting position.

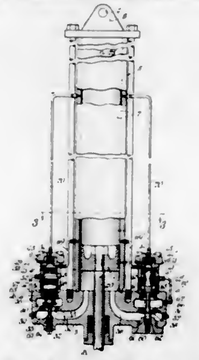
2,103,964
MOTOR FOR PUMPING MECHANISMS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 29, 1934, Serial No. 746,170
28 Claims. (Cl. 121—126)

1. In a motor, in combination, a cylinder, a piston reciprocable therein, and valve mechanism for said motor including a valve and controlling means therefor having a pressure area acting to move said valve, and means for supplying pressure to said area and venting pressure therefrom including conduits respectively having their extremities remote from said area opening into communication with the cylinder bore at points widely spaced longitudinally of the latter and at opposite sides of normal mid-stroke position but both cov-



ered and also uncovered by each end of the piston during each complete cycle of piston movement.

2,103,965
MOTOR FOR PUMPING MECHANISMS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application October 10, 1934, Serial No. 747,677
23 Claims. (Cl. 121—126)

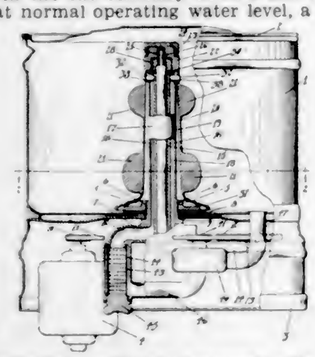


1. In a motor, in combination, a cylinder, a piston reciprocable therein, and fluid distribution means for said motor including a valve and controlling means therefor having a plurality of pressure areas acting in the same direction, means for constantly supplying pressure fluid to one of said areas, and means for supplying pressure to two others of said areas during one pass of the piston, from a space within said cylinder at the same side of said piston, in a predetermined order to cause said valve to perform one of its functions after both said last mentioned areas are supplied with pressure and venting the pressure from said last mentioned areas in a reverse order during the opposite pass of the piston to cause reverse movement of the valve after venting of both said last mentioned areas.

2,103,966
WASHING MACHINE
Thomas W. Behan, Binghamton, N. Y.
Application December 1, 1934, Serial No. 755,625
6 Claims. (Cl. 68—15)

1. A washing machine comprising a tub, an agitator therein above the clothes supporting

portion of the tub for turning the clothes, a circulatory water system for effecting turbulency including a pump positioned below said tub, a passage for water communicating at one end with the suction side of the pump and at its other end with the tub centrally thereof and substantially at normal operating water level, a passage



communicating with the pressure side of said pump and with said tub at a point below the normal operating water level thereof, means in said first passage substantially at water level for removing and retaining dirt carried by the water, and a common source of power for driving said agitator and said pump.

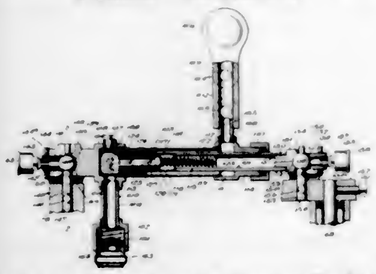
2,103,967

COMBINED OSCILLATORY RECIPROCATORY SELF-CENTERING PUMP

Jesse B. Boyett, Nashville, Ga.

Application July 17, 1936, Serial No. 91,201

2 Claims. (Cl. 103—178)



1. In a pump structure, a horizontally disposed oscillatory hollow body provided with an intake and an outlet, a combined oscillatory-reciprocatory plunger operating within and bodily oscillating said body in unison therewith, an upstanding horizontally revoluble means at the outer end of the plunger, and an upstanding stationary means at that end of said body opposite the outer end of the plunger, said revoluble and stationary means coacting for centering the plunger during its operation, said revoluble means imparting a combined oscillatory-reciprocatory movement to the plunger, and said stationary and revoluble means providing supports for said body and plunger.

2,103,968

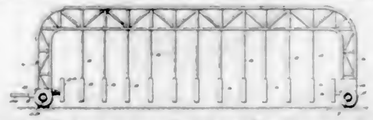
STARTING GATE

John M. Mason, Washington, D. C.

Application April 9, 1936, Serial No. 73,526

20 Claims. (Cl. 119—15.5)

10. A portable starting gate including an overhead structure, having a plurality of stall members rigidly attached thereto, a stall member movably attached adjacent one end of said overhead structure, a truck at each end of the overhead structure, at least one truck comprising an upper truck member attached to said overhead structure, and a lower truck member having an axle and wheels thereon, said lower and upper truck members being pivotally connected to each other whereby said lower truck member may be swung in a horizontal plane, said movable stall



member having a part thereof adjacent to said lower truck member and spaced from the same, and said lower truck member having means spaced from said movable stall member part, and means interposed between said last named means and said movable stall member to permit free turning movement of said lower truck member relative to said overhead structure to cause swinging movement of said movable stall member relative to said overhead structure.

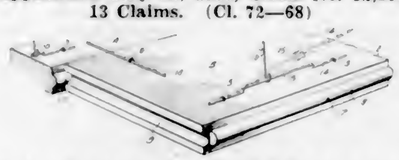
2,103,969

CEILING CONSTRUCTION AND SLAB THEREFOR

Clarke F. Davis, Short Hills, John G. Brush, Westfield, and Lyle K. Mayne, Linden, N. J., assignors to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware

Application July 19, 1935, Serial No. 32,166

13 Claims. (Cl. 72—68)



9. A precast slab of set cementitious material having a longitudinal channel in one face thereof and a hanger engaging element partially embedded in said slab and bridging said channel crosswise thereof.

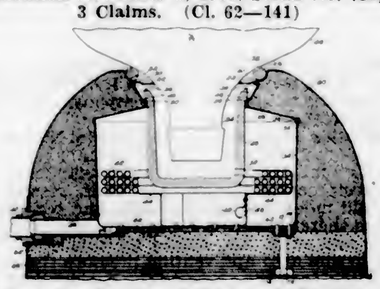
2,103,970

LIQUID COOLER

William D. Drysdale, Mount Clemens, Mich., assignor to Walter J. Sugden, West Roxbury, Mass.

Application November 2, 1934, Serial No. 751,180

3 Claims. (Cl. 62—141)



1. In a liquid cooler of the inverted bottle type, the combination of a housing having an opening at the top for the downward insertion of the bottle neck, a reservoir within said housing for the liquid to be cooled, said reservoir having an opening at the top to receive the bottle neck, a liquid outlet conduit leading from said reservoir to the exterior of said housing, a refrigerant expansion coil disposed within said reservoir to cool the liquid in the latter, and a cup within and spaced from the internal surface of said reservoir to receive the bottle neck, said cup having an outlet into said reservoir, said cup outlet being remote from said outlet conduit, thereby to compel the liquid to flow over a considerable area of said coil before reaching said outlet conduit, and said coil being disposed in the space between the internal surface of said reservoir and the external surface of said cup.

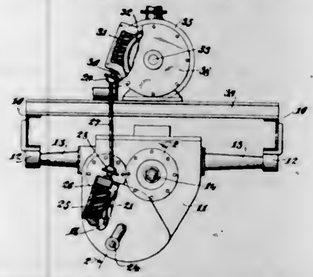
2,103,971

ENCLOSED DRIVE FOR PUMPS

John Goldsmith, Sunnyside, N. Y., assignor to Mack Manufacturing Corporation, a corporation of Delaware

Application October 8, 1936, Serial No. 104,590

2 Claims. (Cl. 74—11)



1. In combination with a vehicle chassis having a power unit and transmission mechanism thereon having a main and countershaft supporting partition and an overhanging extremity on the countershaft which provides for an over-speed gear connection thereon between a countershaft and the transmission driven shaft, mechanism mounted on the frame to be driven by the power unit, a gear in the transmission mechanism rotatably mounted on the overhanging extremity on the countershaft provided for an over-speed connection, a clutch between the said extremity on the countershaft and the gear, a gear housing and gears mounted on the frame, a permanent drive connection between the mechanism to be driven and the gears in the last named gear housing, and a permanent drive connection between the gears in the last named gear housing and the gear mounted rotatably on the overhanging extremity on countershaft.

2,103,972

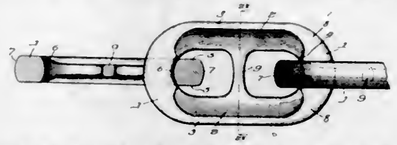
HEAVY DUTY ABRASION RESISTING CHAIN

Leonard T. Harris, Chicago Heights, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Co., New York, N. Y., a corporation of Delaware

Application October 12, 1936, Serial No. 105,226

4 Claims. (Cl. 59—84)

1. In a chain, interengaging links each comprising side bars and closed ends; the side bars being of trapezoidal section with their minor thickness presented inwardly and their greater thickness presented outwardly and thereby developing opposite concave faces upon the links defined by outer marginal ridges; the interengaging ends of the links having their inner portions corresponding in thickness substantially to that of the sides at said ridges and thereby providing full bearing contact between the in-



terengaging surfaces of the link; each face of the link having its side ridges in the same plane with its end faces, and the end faces and side ridges collectively providing in two parallel planes perimetrically continuous ground contacting surfaces that define the link concavities.

2,103,973

WINDSHIELD WIPER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application March 27, 1935, Serial No. 13,320

8 Claims. (Cl. 15—250)



1. A windshield cleaner having a wiper, a wiper carrying arm urging the wiper against the windshield glass, said wiper being connected to the arm for lateral rocking movement beneath the arm and said arm having oppositely disposed stop parts freely straddling the wiper for determining the extent of rocking movement, and a rubber buffer supporting the arm on the wiper and disposed between said stop parts and said wiper for cushioning and silencing the contacts therebetween during such rocking movement.

2,103,974

SUPERCHARGING MECHANISM FOR DIESEL ENGINES

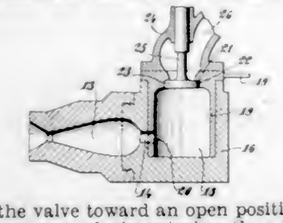
Bruno Loeffler, Plainfield, N. J., assignor to Mack Manufacturing Corporation, a corporation of Delaware

Application June 4, 1935, Serial No. 24,824

3 Claims. (Cl. 123—30)

1. In combination with a Diesel engine head having a combustion chamber formed therein and an air chamber communicating therewith, a source of air under pressure, a valve between the air chamber and combustion chamber, means to adjust the last-named valve, and a masked valve between the air chamber and the source of air, said masked valve moving away from the

source of air during its opening movement and being formed to prevent communication between the chamber and source of air during initial mo-



tion of the valve toward an open position whereby the amount of air entering the chamber is increased upon initial flow thereof past the valve.

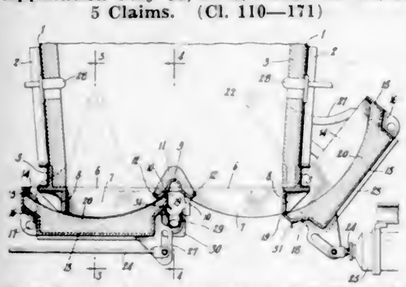
2,103,975

WATER SEALED DOOR FOR BOTTOM-DISCHARGING RECEPTACLES

Anthony M. Meyerstein, Nutley, N. J., assignor of three-fourths to Rosoff Bros., Inc., Brooklyn, N. Y., a corporation of New York, and one-fourth to Anthony M. Meyerstein, Inc., New York, N. Y., a corporation of New York

Application July 30, 1936, Serial No. 93,349

5 Claims. (Cl. 110—171)



1. A hopper having side walls slightly converging toward the bottom and provided with a bottom-discharge opening and an arcuately movable water-sealed door therefor all of whose upper edges are outside and above the edges of the discharge opening when the door is in closed position and scrapers on the outside of the hopper walls extending toward the adjacent sides of the door and adapted to remove some of the material discharged from the hopper from the space between the hopper walls and said door sides during opening movement of the door.

2,103,976

PRODUCTION OF MAGNESIUM FROM MAGNESIFEROUS RAW MATERIALS BY THERMAL REDUCTION

Robert Suchy and Hellmuth Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware

No Drawing. Application November 12, 1936, Serial No. 110,482. In Germany September 23, 1936

5 Claims. (Cl. 75—67)

1. A process for producing magnesium by thermal reduction of magnesiferous compounds by means of silicon, which comprises incorporating in the reaction mixture at least one substance of the group consisting of alkali, alkaline earth metal, and aluminum fluorides in quantities ranging between about 0.5 to about 5 per cent by weight of such reaction mixture, the reaction mixture being such as to yield an exclusively solid residue at the reaction temperature, and subjecting the reaction mixture thus treated to temperatures adapted to cause volatilization of the magnesium.

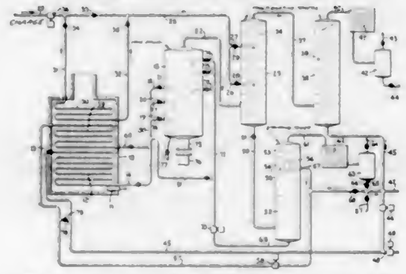
2,103,977

TREATMENT OF HYDROCARBON OILS

George Armistead, Jr., Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application November 9, 1933, Serial No. 697,272

9 Claims. (Cl. 196—48)



1. In the treatment of hydrocarbon oils, wherein the oil is converted into ultimate products consisting principally of a motor fuel and a solid or semi-solid residue, the process which comprises heating an oil containing higher boiling hydrocarbons to a temperature and for a period of time sufficient to convert higher boiling hydrocarbons into lower boiling ones, while maintaining said hydrocarbons under a pressure materially above atmospheric, fractionating vapors evolved during said conversion treatment in a plurality of independent fractionating zones, contacting the hot products from said conversion treatment with fresh oil in the first of said fractionating zones to thereby heat said oil and vaporize lighter constituents therefrom, distilling residual products from said first fractionating zone under a pressure materially lower than that existing in said first fractionating zone to thereby vaporize lighter constituents therefrom, passing the residual products from said distillation to a residue-forming zone, heating the distillate resulting from said distillation, passing the heated distillate and products undergoing conversion into said residue-forming zone in direct contact with the residue products resulting from said distillation, whereby heat from said distillate and products undergoing conversion is utilized to form an ultimate product substantially solid at normal room temperatures, withdrawing vapors from another of said fractionating zones and condensing a desired gasoline fraction therefrom.

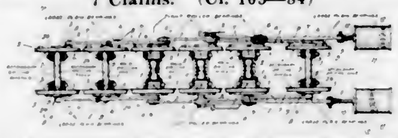
2,103,978

LOCOMOTIVE RUNNING GEAR

Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application February 8, 1937, Serial No. 124,580

7 Claims. (Cl. 105—84)



1. A locomotive running gear comprising a main driving axle and crank pins and a secondary driving axle and crank pins, roller bearings for said main driving axle and crank pins, and plain bearings for said secondary axle and crank pins, said roller bearings being initially relatively tight and said plain bearings being initially relatively loose.

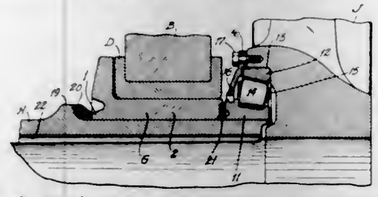
2,103,979

TRUCK

Clifford L. Eastburg, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application February 14, 1936, Serial No. 63,854

7 Claims. (Cl. 105—79)



1. A truck axle construction comprising an axle, a wheel thereon, an antifriction bearing supported by said wheel, said bearing including an inner raceway member, a housing for said axle having one end fitting in and supported by said inner raceway member, said housing provided with an external thrust shoulder, a pedestal box surrounding said housing between said inner raceway member and said thrust shoulder, and an adjusting ring mounted on said housing between said inner raceway member and said pedestal box, said housing being of substantially uniform diameter between said end thereof and said exterior shoulder.

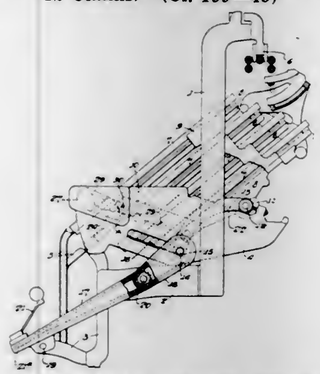
2,103,980

TYPOGRAPHICAL MACHINE

Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application February 26, 1937, Serial No. 128,008

12 Claims. (Cl. 199—45)



1. A typographical machine comprising a frame supporting matrix assembling means, a magazine unit containing a column of matrix magazines, said unit being shiftable relatively to said frame, means for guiding the magazines to bring one or another thereof, in a predetermined order, into operative relation with said assembling means, and means operable at will and cooperable with said guiding means to bring certain of the magazines in a different order, into operative relation with said assembling means.

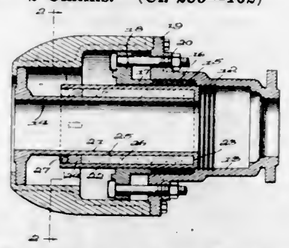
2,103,981

EXPANSION JOINT STRUCTURE

Robert Hall, Lockport, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y., a corporation of New York

Application June 11, 1936, Serial No. 84,742

2 Claims. (Cl. 285—162)



2. An expansion joint comprising inner and outer sliding joint members, a sealing member between said sliding members, said inner joint member having a laminated wall structure including an outer metallic section in sliding contact with the sealing member, an intermediate porous section of heat insulating material, an inner metallic section, and sealing means at the ends of the intermediate insulating section.

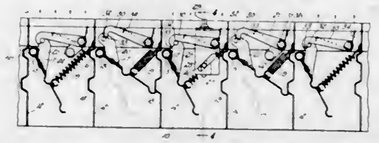
2,103,982

ADJUSTABLE REGISTER

Stanley Hart, Berlin, Conn., and Leonard Zavorski, Easthampton, Mass., assignors to Tuttle & Bailey, Inc., New Britain, Conn., a corporation of Connecticut

Application August 31, 1934, Serial No. 742,236

9 Claims. (Cl. 98—110)



1. In a register of the character described, a frame having a plurality of passages therethrough, a plurality of pivoted shutters, one in each passage, a latch engaging member on each shutter, means common to all of said shutters for adjusting the same, and a readily accessible, quickly detachable latch connectible between each latch engaging member and said adjusting means, and yieldable means urging each latch into operative engagement with its latch engaging member.

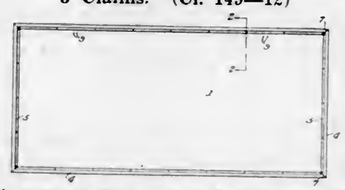
2,103,983

TANNING BOARD

Edwin A. Headland, Beaver, Pa., assignor to Ingram-Richardson Manufacturing Company, Beaver Falls, Pa., a corporation of Pennsylvania

Application January 4, 1936, Serial No. 57,484

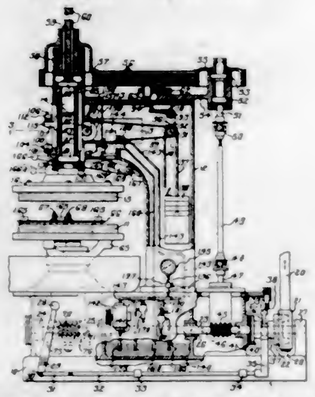
3 Claims. (Cl. 149—12)



2. A support for leather drying comprising a thin metal plate, and vitreous enamel fused on

both sides of said plate and presenting the unaltered fused surface of the enamel to the leather.

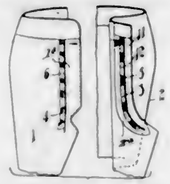
2,103,984
LAPPING MACHINE
Herbert S. Indge, Westboro, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 11, 1935, Serial No. 40,118
9 Claims. (Cl. 51—117)



5. A lapping machine of the type having a pair of opposed rotatable lapping elements which are movable relatively toward and from each other and a work carrying cage therebetween arranged to carry a plurality of work pieces through an irregular path between the operative faces of said laps, a fluid pressure system including a piston and cylinder which are arranged to cause a relative approaching or receding movement between said lapping elements, a control valve to convey fluid under pressure to either end of said cylinder, means including a fluid pump and a pipe to convey fluid under pressure to said control valve and cylinder, a pressure regulating valve in said pipe between the pump and control valve to maintain the laps in engagement with the work at a predetermined positive pressure for a rough lapping operation, a second pressure regulating valve in said pipe which is connected in series with the first pressure regulating valve to maintain the laps in engagement with the work at a second predetermined positive pressure for a finish lapping operation, and means including a valve between the pipe and said second pressure regulating valve to render said second pressure regulating valve inoperative during the rough lapping operation.

2,103,985
TROUSERS AND METHOD OF MAKING THE SAME
Michael Jacobs, Toronto, Ontario, Canada, assignor, by direct and mesne assignments, to Talon, Inc., a corporation of Pennsylvania
Application May 27, 1935, Serial No. 23,689
1 Claim. (Cl. 2—234)

The method of constructing trousers having a front opening closed by a slide fastener which consists in taking the separated mating stringers of a slide fastener which comprises a pair of tapes each having a row of fastener members uniformly spaced along its edge, sewing one of said stringers to the face of one of a pair of trouser flies, sewing the other of said stringers to the face of the other fly and in such position that when the trousers are completed the fastener elements of one tape will be disposed opposite the spaces between the fastener elements of the other tape and with the end elements of each row adjacent one another, sewing one of said flies and its attached stringer to a trouser section, sewing the other of said flies and its attached stringer to a complementary trouser sec-



tion, joining the trouser sections, threading both fastener tapes through a slider after the trouser sections are joined together and thereafter permanently securing the tapes together in such position that the fastener elements of one tape are opposite the spaces between the fastener elements of the other tape by attaching a bottom stop to both tapes adjacent the end fastener element of the series which is adjacent the crotch of the trousers.

2,103,986
ELECTRIC SWITCH
Gustaf A. Johnson, New Bedford, Mass.
Application December 15, 1933, Serial No. 702,516
Renewed September 10, 1936
25 Claims. (Cl. 200—64)



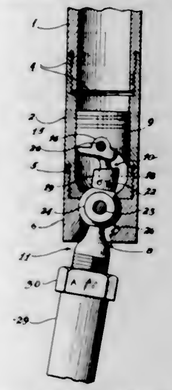
19. In an electric switch, an insulating body recessed in its top face, a pin bridge mounted in said recess, the wall of said recess at opposite points adjacent said top face and the ends of said bridge interlocking when said bridge is turned in one direction, a movable contact and an actuating member loosely mounted on the pin portion of said pin bridge, a pull-chain for rotating said actuating member through a limited arc to turn said movable contact, and a cone-shaped spiral spring for returning said actuating member to initial position when said pull-chain is released and for holding said pin bridge in locked position, said actuating member being recessed in its top face for housing said spring to permit free movement of said member longitudinally said pin portion.

2,103,987
SASH LOCK SECURING DEVICE
Herman H. Kistner, Baltimore, Md., assignor to Kistner Lock & Appliance Company, a corporation of Maryland
Application February 23, 1937, Serial No. 127,225
3 Claims. (Cl. 70—451)



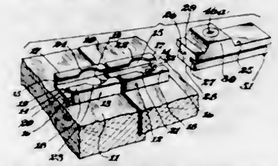
1. A sash lock securing device comprising a split sleeve conformable to a bore in the sash and adapted to receive a bolt barrel, said sleeve having a portion adapted to engage a recess in said barrel to retain it in position when assembled therein, a portion of said sleeve also engaging the side wall of the bore to secure the sleeve and barrel in place.

2,103,988
FISHING TOOL FOR WELL DRILLING
George F. Le Bus, Longview, Tex.
Application May 16, 1936, Serial No. 80,053
2 Claims. (Cl. 294—86)



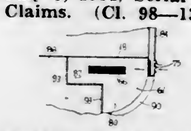
1. A knuckle joint for well fishing tools comprising a housing having a base, a socket formed in the base and the lower end of the housing, a socket member having one end rounded to provide a ball-like formation and said formation comformably seated in the socket, the other end of said socket member projecting below the base and adapted to be connected to a well fishing tool, a piston being reciprocally disposed within said housing, and means co-acting with the piston and said socket member, and wherein said ball-like formation of said socket member has an integrally-formed socket above the ball-like formation, and wherein said piston has a groove in the lower surface thereof; said co-acting means of the piston and socket member comprising a member with a ball on its lower end conformably receivable in said socket of the socket member, and including angularly-disposed lip portions and a rib on its upper end, whereby the rib is receivable in said groove of the piston, and said lip portions co-acting with the under surface of the piston.

2,103,989
BAR LOCK
Harold Machinist, Sunnyside, Long Island, N. Y., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application September 22, 1936, Serial No. 101,934
9 Claims. (Cl. 70—129)



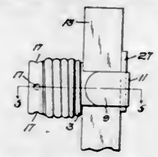
1. A lock of the character described comprising in combination twin channels arranged to be affixed in alignment with each other and flush with the adjacent edges of a door and frame, respectively, said channels having longitudinal inwardly turned flanges, a lock bar formed with grooves to receive said flanges for slidably mounting said lock bar in said channels, said lock bar including a rotatable bolt disposed in the path of the grooves and keying stops or cutouts formed on the flanges of one of said channels for locking said lock bar in overlapping position on said channels.

2,103,990
VEHICLE VENTILATING SYSTEM
William J. Mayer, Glenside, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 5, 1934, Serial No. 733,809
4 Claims. (Cl. 98—13)



1. An air intake for streamline trains comprising, in combination, a step well, a movable floor section forming a top to the step well, car doors forming closed sides of the step well and a pivoted step completing a closed compartment of the step well and means providing a fresh air intake into said compartment and means at right angles to said last named means transferring the air into a conditioning duct system of the vehicle.

2,103,991
LOOM PICKER
Frank W. Merrick, Boston, Mass., assignor to American Stay Company, East Boston, Mass., a corporation of Massachusetts
Application October 6, 1933, Serial No. 692,411
6 Claims. (Cl. 139—159)



6. A loom picker having, in combination, a shuttle engaging part, a holder for said part having a portion for engaging the side of the picker stick opposite said part, said holder having a tubular portion of lesser length than said part and which is open at opposite ends and receives

said part, said holder also having a portion adjustably screw-threadedly connected to said tubular portion for engaging the outer end of said part for clamping both the latter and said holder to said stick.

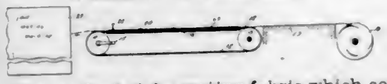
2,103,992

DECORATED FABRIC AND METHOD AND MEANS FOR MAKING THE SAME

Norman C. Thackeray, Providence, R. I., assignor to Decorative Fabrics Company, a corporation of Rhode Island

Application May 9, 1934, Serial No. 724,683

4 Claims. (Cl. 101—115)



1. The method of decorating fabric which comprises flock printing a design onto the fabric, registering the printed design by hand adjustment with a transparent guide, substituting therefor a metal stencil with a different design having a predetermined relation to the former design without disturbing the relative positions of the threads of the fabric, applying adhesive through the second or metal stencil, then applying to the fabric bearing the adhesive a shower of flock so that the second design is flock printed thereon.

2,103,993

TREATING CASEIN PLASTICS

Will E. Vawter, Bainbridge, N. Y., assignor to American Plastics Corporation, New York, N. Y., a corporation of New York

No Drawing. Application October 6, 1936, Serial No. 104,299

5 Claims. (Cl. 18—47.5)

1. A process of treating shaped casein plastics having a predetermined color, which comprises first polishing said articles by subjecting same to the action of a hypochlorite solution to polish the same whereby the color is injured and the surface rendered slimy, and thereafter to the action of a solution having a weak acidic reaction, to restore the color.

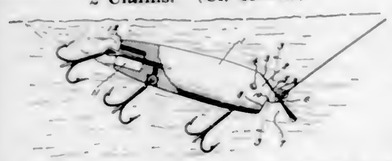
2,103,994

FISH LURE

Linus A. Verzi, Arlington, Va., assignor of one-half to Emery N. Hosmer, Arlington County, Va.

Application January 5, 1937, Serial No. 119,137

2 Claims. (Cl. 43—46)



1. A diving plug comprising a buoyant body having the upper portion of its forward end formed with a flat transverse face sloping downwardly toward the front, having the lower portion of its forward end under-cut to form a transverse upper face and a transverse back shoulder with a transverse groove between said face and shoulder, said shoulder lying approximately in a plane perpendicular to the axis of said body, and a plate secured to said sloping face extending downwardly beyond said face at a diving angle.

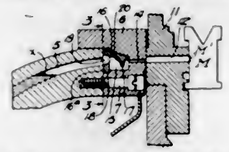
2,103,995

METAL POT FOR SLUG CASTING MACHINES

Le Roy W. Willis, Stamford, Conn., and Edmund M. Goodbody, Long Island, N. Y., assignors to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application April 20, 1936, Serial No. 75,476

1 Claim. (Cl. 22—70)



A metal pot for slug casting machines having a metal reservoir to contain a body of molten metal, a well to receive metal from the reservoir and having means for forcing metal therefrom, a throat extending upwardly from the well to a level above that of the metal in the reservoir and to a horizontally elongated outlet of substantially the same width as the portion of the throat adjacent thereto for injecting metal discharged from the throat into a slug casting mold, a transverse chamber substantially as wide as the outlet and located between the normal level of metal in the throat and the outlet for the flow of metal therethrough, and a solid baffle extending horizontally across said chamber in parallel relation to the outlet and disposed for the flow of metal around and beyond it in at least one unbroken stream before reaching the outlet.

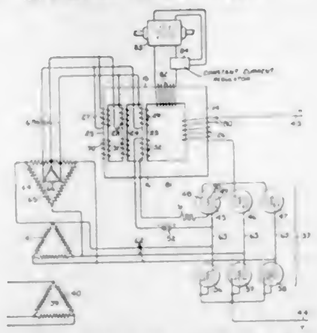
2,103,996

CONSTANT-CURRENT MAGNETIC BRIDGE

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application February 1, 1935, Serial No. 4,480

22 Claims. (Cl. 175—363)



1. A magnetic bridge sensitive to variations in magnetomotive force comprising a core of magnetic material having a pair of arms spaced apart from each other, a yoke portion joining said arms at one end and adapted to be subjected to a magnetomotive force, a pair of bridging members between said arms forming parallel magnetic paths therebetween, each including an air gap and a saturating portion of reduced cross section on either side of a polar portion, and means responsive to a reversal of polarity of the magnetic field between the polar portions of said bridging members, the relative positions of the air gap and the saturating portion in one bridging member being reversed with respect to the relative positions of

the corresponding parts in the other bridging member.

17. A device for interconnecting direct current and alternating current circuits comprising a discharge valve having a control electrode, and a magnetic comparison device having a magnetic core with a saturable portion, a direct-current winding carried by said core and connected in series with said discharge valve, means for producing a magnetomotive force of predetermined value in said core, a primary alternating-current winding on said saturable portion, and a secondary winding also on said saturable core portion, said secondary winding being connected to said control electrode.

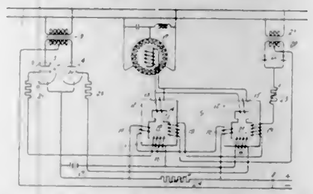
2,103,997

ELECTRIC CONTROL CIRCUIT

Burnice D. Bedford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 9, 1936, Serial No. 114,998

13 Claims. (Cl. 175—363)



1. In combination, a core member, a source of alternating current, a winding connected to be energized from said source of alternating current for impressing on said core member an alternating magnetomotive force, a winding inductively associated with said core member for providing an alternating voltage of peaked wave form, a winding for impressing on said core member a unidirectional magnetomotive force, and a control winding for impressing on said core member a unidirectional magnetomotive force which opposes said first mentioned unidirectional magnetomotive force and which varies in accordance with a predetermined controlling influence to control the phase of said alternating voltage of peaked wave form relative to the voltage of said source.

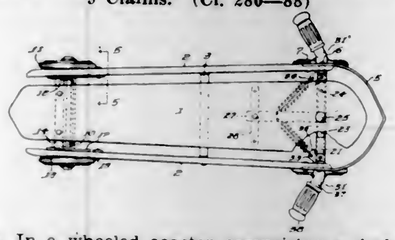
2,103,998

WHEELED COASTER

Frank G. Birkhead, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application February 5, 1937, Serial No. 124,193

9 Claims. (Cl. 280—88)



1. In a wheeled coaster comprising a deck, a front axle and wheels disposed at its opposite ends, a U-shaped carrier rising from the axle and pivoted to the forward part of the deck adjacent its longitudinal center line, means for turning the carrier about its pivot comprising a rotatable shaft extending across the carrier and a head providing a handle secured to each end of the shaft, braking means carried by the heads respectively adapted to engage the wheels when the shaft is rotated in one direction and a pair of oppositely inwardly directed tension springs respectively interposed between the heads and the deck adapted to yieldingly maintain the axle and carrier substantially normal to said center line and to resist rotation of the shaft in said direction.

2,103,999

DISINFECTIVE AND ANTISEPTIC COMPOUND FOR THE TREATMENT OF ULCERS, SORES, AND THE LIKE

John H. Müller, Secane, Pa.; Anna L. Müller and Provident Trust Co., executors of said John H. Müller, deceased, assignors to Silver Oxide Products Company, Incorporated, a corporation of Pennsylvania

No Drawing. Application May 25, 1936, Serial No. 81,645

6 Claims. (Cl. 167—72)

3. Anhydrous colloidal silver oxide in the form of particles of an average diameter of less than one micron and small enough so that when a thin film of a dispersion of such particles in an inert, oily, anhydrous vehicle is brought into contact with a moist body such as the human skin, the silver particles will migrate to the contact boundary and pass into solution as silver hydroxide without leaving any substantial surface marking of reduced silver.

2,104,000

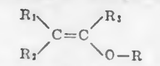
PRODUCTION OF POLYMERIZATION PRODUCTS FROM VINYL ETHERS

Walter Reppe and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 9, 1931, Serial No. 574,040. In Germany June 27, 1929

11 Claims. (Cl. 260—2)

1. The process for the polymerization of vinyl ethers, corresponding to the general formula



in which R denotes a radical selected from the group consisting of aliphatic, aromatic or hydroaromatic hydrocarbon radicals and the radicals of the glycols and polyglycols and the monovinyl, monovinylalkyl, monoalkyl, monocycloalkyl and monoaryl ethers thereof and R_1, R_2 and R_3 denote hydrogen or alkyl radicles, which comprises contacting the said ethers with a small amount of an inorganic, practically anhydrous acid reacting condensing agent.

2,104,001

PRODUCTION OF POLYMERIZATION PRODUCTS FROM VINYL ETHERS

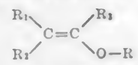
Walter Reppe and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 23, 1936, Serial No. 102,176. In Germany June 27, 1929

4 Claims. (Cl. 260—2)

1. From viscous liquid to solid amorphous poly-

meric vinyl ethers, the monomers of which correspond to the general formula



in which R denotes a cyclic hydrocarbon radical selected from the aryl and cycloalkyl radicals, and R_1, R_2 and R_3 stand for a member of the group consisting of hydrogen and the alkyl radicals, the said polymeric ethers being saturated substances practically inert to bromine and stable to dilute aqueous acids and alkalis.

2,104,002

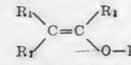
PRODUCTION OF POLYMERIZATION PRODUCTS FROM VINYL ETHERS

Walter Reppe and Otto Schlichting, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application September 23, 1936, Serial No. 102,177. In Germany June 27, 1929

4 Claims. (Cl. 260—2)

1. From viscous liquid to solid amorphous polymeric vinyl ethers, the monomers of which correspond to the general formula



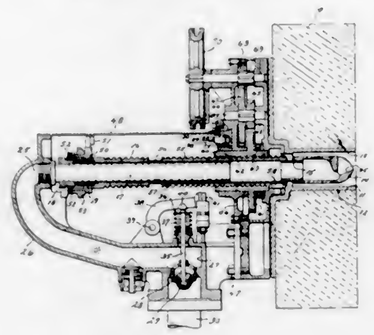
in which R denotes a radical selected from the group consisting of radicals of the glycols and polyglycols and the monovinyl, monoalkyl, and monoaryl ethers thereof, and R_1, R_2, and R_3 stand for a member of the group consisting of hydrogen and alkyl radicals, the said polymeric ethers being saturated substances practically inert to bromine and stable to dilute aqueous acids and alkalis.

2,104,003

SOOT BLOWER

Johann Schieffer, Oberhausen, Germany, assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan

Application March 27, 1935, Serial No. 13,290
In Germany March 29, 1934
5 Claims. (Cl. 122—392)



1. In a soot blower, a blower element mounted for axial and rotative movement, means for effecting the axial and rotative movements of the blower element means for preventing rotation of said blower element during axial movement thereof, means providing for rotation of the blower element after a predetermined axial movement thereof and means for limiting the rotative movement of the blower element to bring the blower element into operative relation with respect to the means which prevents rotation of the blower element during the axial movement thereof.

DESIGNS

DECEMBER 28, 1937

107,636

DESIGN FOR A CLIP

Bertha T. Barrett, Brooklyn, and Elizabeth Johnson, New York, N. Y.

Application September 29, 1937, Serial No. 71,864
Term of patent 3½ years



The ornamental design for a clip substantially as shown.

107,637

DESIGN FOR A GOBLET OR SIMILAR ARTICLE

Edgar M. Bottome, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia

Application October 25, 1937, Serial No. 72,403
Term of patent 3½ years



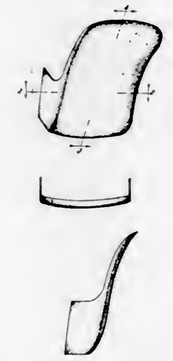
The ornamental design for a goblet or similar article, substantially as shown and described.

107,638

DESIGN FOR A SHEET METAL CHAIR BACK

Irl R. Bromagem, Union City, Ind., assignor to Union City Body Company, Union City, Ind., a corporation of Indiana

Application April 26, 1937, Serial No. 68,979
Term of patent 14 years



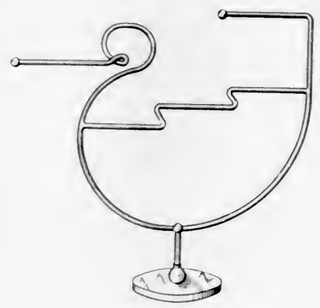
The ornamental design for a sheet metal chair back, as shown.

107,639

DESIGN FOR A DISPLAY STAND

Alice Campbell, New York, N. Y.

Application May 13, 1937, Serial No. 69,335
Term of patent 3½ years



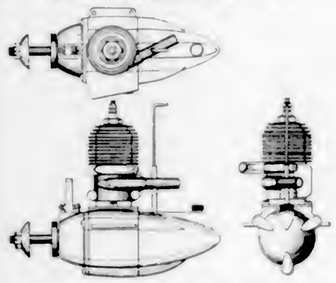
The ornamental design for a display stand as shown.

107,640
DESIGN FOR AN ERASER HOLDING TIP FOR PENCILS
James De Quinzio, Jersey City, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey
Application June 30, 1937, Serial No. 70,128
Term of patent 14 years



The ornamental design for an eraser holding tip for pencils as shown and described.

107,641
DESIGN FOR AN INTERNAL COMBUSTION ENGINE
John L. Doll and Clifford W. Rogers, Detroit, Mich., assignors to Syncro Devices, Incorporated, Detroit, Mich., a corporation of Michigan
Application July 6, 1937, Serial No. 70,279
Term of patent 3½ years



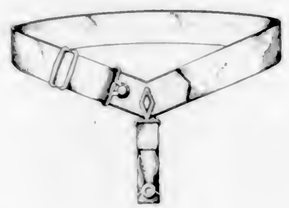
The ornamental design for an internal combustion engine, as shown.

107,642
DESIGN FOR A SWITCH PLATE
Anton Fazekas, San Francisco, Calif.
Application October 29, 1937, Serial No. 72,520
Term of patent 14 years



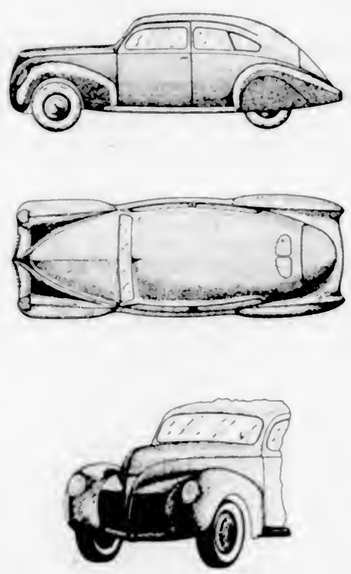
The ornamental design for a switch plate, as shown.

107,643
DESIGN FOR A GARTER
William Govan, Buffalo, N. Y., assignor to Condor Products, Inc., Buffalo, N. Y.
Application May 11, 1937, Serial No. No. 69,287
Term of patent 14 years



The ornamental design for a garter as shown.

107,644
DESIGN FOR AN AUTOMOBILE
Eugene T. Gregorie, Plymouth, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application April 29, 1937, Serial No. 69,059
Term of patent 14 years



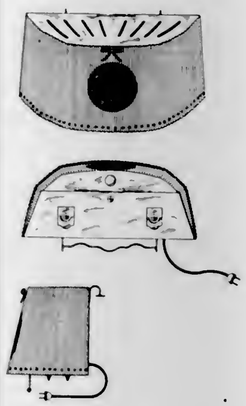
The ornamental design for an automobile, substantially as shown and described.

107,645
DESIGN FOR A TEXTILE FABRIC
Evangeline Guarine, New York, N. Y., assignor, by mesne assignments, to Semaria Bros., Inc., New York, N. Y., a corporation
Application November 15, 1937, Serial No. 72,867
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

107,646
DESIGN FOR A COMBINATION LAMP, SHADE, AND RADIO
Joseph J. Herrera, Jr., Los Angeles, Calif.
Application February 9, 1937, Serial No. 67,539
Term of patent 3½ years



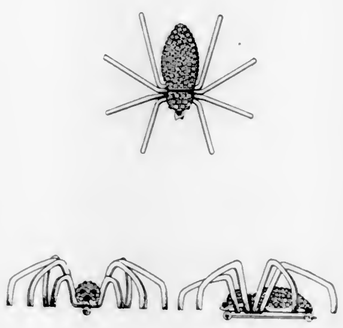
The ornamental design for a combination lamp, shade, and radio substantially as shown.

107,647
DESIGN FOR A COMBINED TWIN BED RADIO AND LAMP
Joseph J. Herrera, Jr., Los Angeles, Calif.
Application February 9, 1937, Serial No. 67,540
Term of patent 3½ years



The ornamental design for a combined twin bed radio and lamp, substantially as shown and described.

107,648
DESIGN FOR A BROOCH PIN
Adolph Katz, New York, N. Y.
Application November 10, 1937, Serial No. 72,747
Term of patent 3½ years



The ornamental design for a brooch pin substantially as shown.

107,649
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Henry R. Kiepe, Newark, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application November 9, 1937, Serial No. 72,720
Term of patent 14 years





The ornamental design for a jewelry setting or similar article, as shown.

107,650
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Henry R. Kiepe, Newark, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application November 9, 1937, Serial No. 72,721
Term of patent 14 years





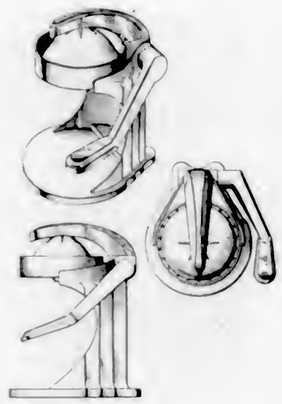
The ornamental design for a jewelry setting or similar article, as shown.

107,651
DESIGN FOR A TEXTILE FABRIC
Adolph H. Klein, New York, N. Y.
Application November 20, 1937, Serial No. 73,048
Term of patent 3½ years



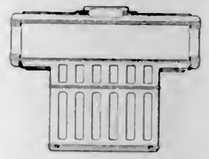
The ornamental design for a textile fabric, substantially as shown.

107,652
DESIGN FOR A JUICE EXTRACTOR
Joseph M. Majewski, Jr., Kansas City, Mo., assignor to Foster L. Talge, Kansas City, Mo., doing business as Rival Manufacturing Company
Application October 18, 1937, Serial No. 72,287
Term of patent 14 years



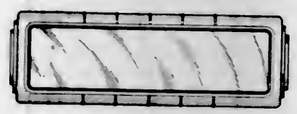
The ornamental design for a juice extractor, substantially as shown.

107,653
DESIGN FOR AN ESCUTCHEON PLATE FOR RADIO RECEIVERS
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 7, 1937, Serial No. 72,051
Term of patent 7 years



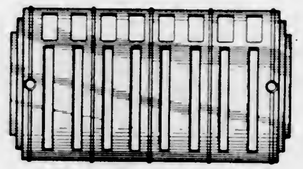
The ornamental design for an escutcheon plate for radio receivers, as shown.

107,654
DESIGN FOR A COMBINED ESCUTCHEON PLATE AND CRYSTAL FOR A DIAL FOR A RADIO RECEIVER
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 20, 1937, Serial No. 72,341
Term of patent 7 years



The ornamental design for a combined escutcheon plate and crystal for a dial for a radio receiver, as shown.

107,655
DESIGN FOR AN ESCUTCHEON PLATE FOR A LEVER TUNING DEVICE FOR A RADIO RECEIVER
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application October 25, 1937, Serial No. 72,410
Term of patent 7 years





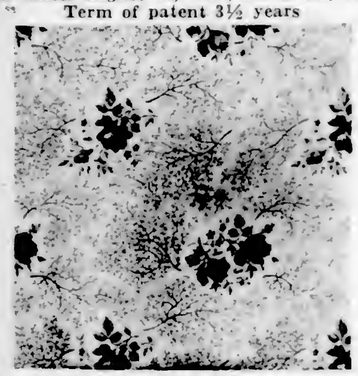
The ornamental design for an escutcheon plate for a lever tuning device for a radio receiver, as shown.

107,656
DESIGN FOR A TEXTILE FABRIC
Sterling B. McDonald, Chicago, Ill., assignor to Massachusetts Mohair Plush Company, Boston, Mass., a corporation of Massachusetts
Application November 16, 1937, Serial No. 72,925
Term of patent 7 years



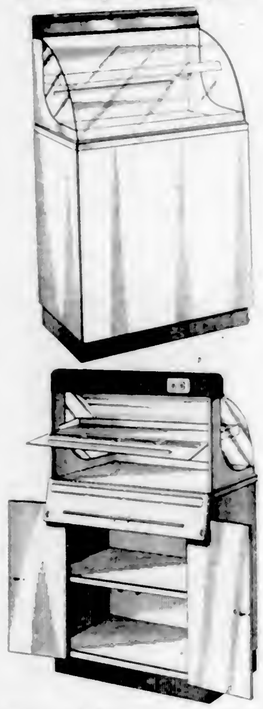
The ornamental design for a textile fabric, substantially as shown.

107,657
DESIGN FOR A TEXTILE FABRIC
Marcel Mey, Paris, France, assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application August 23, 1937, Serial No. 71,288
Term of patent 3½ years



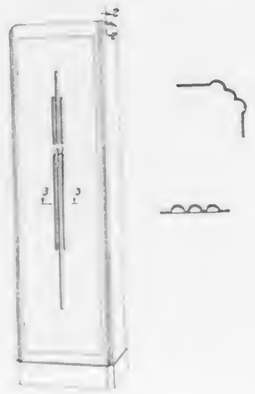
The ornamental design for a textile fabric as shown.

107,658
DESIGN FOR A DISPLAY CASE
Franklin J. Petzke, Minneapolis, Minn., assignor to Johnson Nut Company, Minneapolis, Minn.
Application October 22, 1937, Serial No. 72,373
Term of patent 3½ years



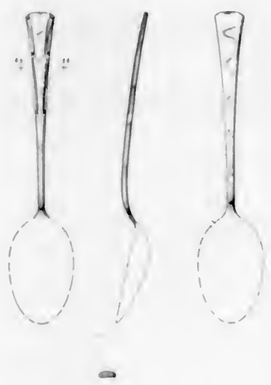
The ornamental design for a display case as shown.

107,659
DESIGN FOR A STORAGE CABINET OR SIMILAR ARTICLE
Milton Price, Chicago, Ill., assignor to Arterest Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application October 20, 1937, Serial No. 72,342
Term of patent 3½ years



The ornamental design for a storage cabinet or similar article, substantially as shown.

107,660
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
James Russell Price, Providence, R. I., assignor to Gorham Manufacturing Company, Providence, R. I., a corporation of Rhode Island
Application October 30, 1937, Serial No. 72,531
Term of patent 14 years



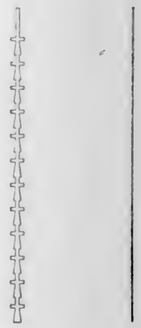
The ornamental design for a spoon or other article of flatware, substantially as shown.

107,661
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application May 1, 1936, Serial No. 62,392
Term of patent 14 years



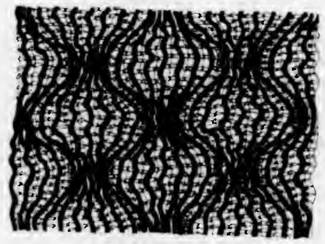
The ornamental design for a tinsel ornament for Christmas trees, as shown.

107,662
DESIGN FOR A TINSEL ORNAMENT FOR CHRISTMAS TREES
Lambert L. Raymond, Minneapolis, Minn.
Application May 1, 1936, Serial No. 62,395
Term of patent 14 years



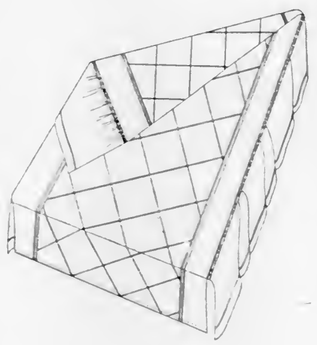
The ornamental design for a tinsel ornament for Christmas trees as shown.

107,663
DESIGN FOR A CORDED KNIT LACE FABRIC
Samuel Saftlas, New York, N. Y., assignor to Selig Kaplan and Julius Kaplan, co-partners doing business under firm name and style of Pennant Knitting Mills, Brooklyn, N. Y.
Application October 15, 1936, Serial No. 65,308
Term of patent 3½ years



The ornamental design for a corded knit lace fabric substantially as shown and described.

107,664
DESIGN FOR A BEDSPREAD OR SIMILAR ARTICLE
Joseph Shurin, Roxbury, Mass.
Application September 11, 1936, Serial No. 64,818
Term of patent 3½ years



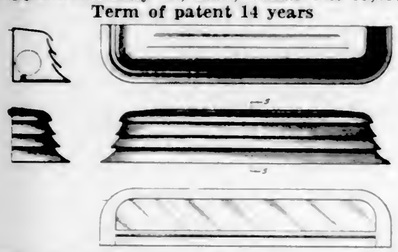
The ornamental design for a bedspread or similar article as shown.

107,665
DESIGN FOR A PENDANT
Joseph F. Stedman, Brooklyn, N. Y.
Application July 10, 1937, Serial No. 70,358
Term of patent 14 years



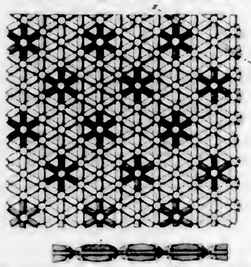
The ornamental design for a pendant, as shown.

107,666
DESIGN FOR A LIGHTING FIXTURE OR SIMILAR ARTICLE
Lemuel L. Stewart, Chicago, Ill., assignor to The Adlake Company, a corporation of Illinois
Application May 10, 1937, Serial No. 69,259
Term of patent 14 years



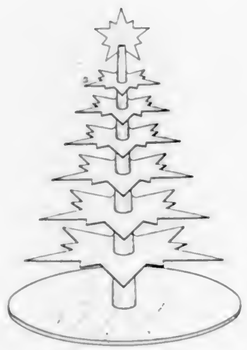
The ornamental design for a lighting fixture or similar article substantially as shown.

107,667
DESIGN FOR OPENWORK BEAD FABRIC OR SIMILAR ARTICLE
Max Tannenbaum, New York, N. Y.
Application November 19, 1937, Serial No. 73,030
Term of patent 3½ years



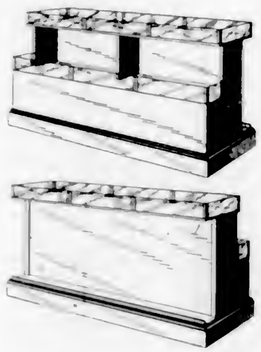
The ornamental design for openwork bead fabric or similar article substantially as shown and described.

107,668
DESIGN FOR A MINIATURE CHRISTMAS TREE
Sidney C. Wadsworth and Fred Bell, Lake Forest, Ill.
Application September 8, 1937, Serial No. 71,504
Term of patent 7 years



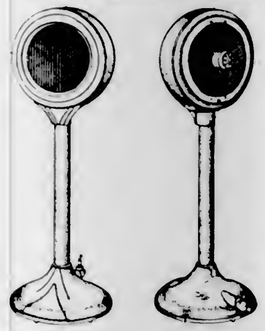
The ornamental design for a miniature Christmas tree, as shown.

107,669
DESIGN FOR A DISPLAY STAND
Carl D. Wilke, Beatrice, Nebr.
Application October 16, 1937, Serial No. 72,240
Term of patent 7 years



The ornamental design for a display stand, as shown.

107,670
DESIGN FOR AN AIR CONDITIONING UNIT
John G. Zummach, Racine, Wis., assignor to Hexcel Radiator Company, Racine, Wis., a corporation of Wisconsin
Application April 29, 1937, Serial No. 69,036
Term of patent 3½ years



The ornamental design for an air conditioning unit, as shown.

107,671
DESIGN FOR A COIN OPERATED BILLIARD TABLE
Joseph C. Allen, Birmingham, Ala.
Application November 1, 1937, Serial No. 72,544
Term of patent 7 years



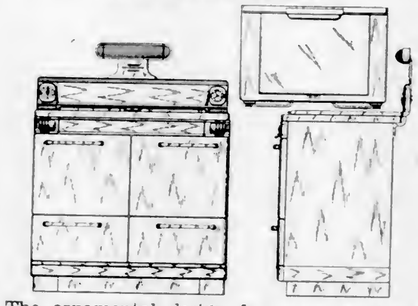
The ornamental design for a coin operated billiard table, as shown.

107,672
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Virginia Stowe Austin, Los Angeles, Calif.
Application February 15, 1937, Serial No. 67,661
Term of patent 14 years



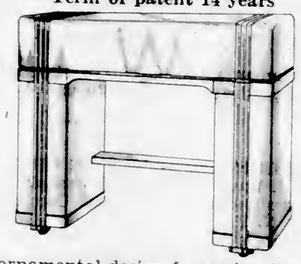
The ornamental design for a doll or similar article, as shown.

107,673
DESIGN FOR A GAS RANGE
Joseph Becvar, Wickliffe, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1937, Serial No. 68,178
Term of patent 14 years



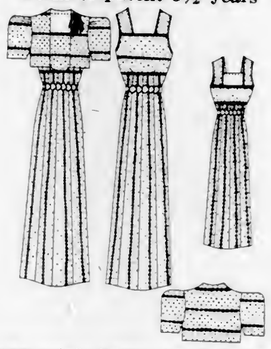
The ornamental design for a gas range, as shown.

107,674
DESIGN FOR AN IRONING MACHINE CABINET
John A. Castricone, Peoria, Ill.
Application July 13, 1936, Serial No. 63,820
Term of patent 14 years



The ornamental design for an ironing machine cabinet, as shown, and described.

107,675
DESIGN FOR A DRESS ENSEMBLE
Tora Coleman, New York, N. Y.
Application November 19, 1937, Serial No. 73,019
Term of patent 3½ years



The ornamental design for a dress ensemble substantially as shown.

107,676
DESIGN FOR A SLIPPER OR SIMILAR ARTICLE
Robert S. Cook, Fayetteville, N. Y.
Application October 7, 1937, Serial No. 72,052
Term of patent 14 years



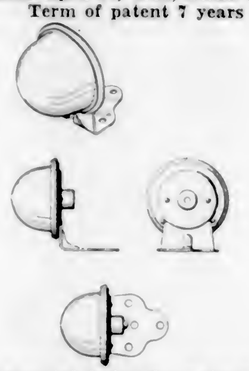
The ornamental design for a slipper or similar article, substantially as shown.

107,677
DESIGN FOR AN OFFICE CHAIR
Kenneth F. Davis and John J. Josephs, Buffalo, N. Y., assignors to The Sikes Company, Inc., Buffalo, N. Y.
Application October 27, 1937, Serial No. 72,471
Term of patent 3½ years



The ornamental design for an office chair as shown.

107,678
DESIGN FOR A SIGNAL LAMP UNIT
Harold B. Donley, Columbus, Ohio, assignor to Columbus Metal Products Inc., Columbus, Ohio, a corporation of Ohio
Application April 17, 1936, Serial No. 62,179
Term of patent 7 years



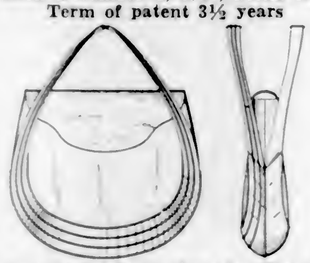
The ornamental design for a signal lamp unit, as shown and described.

107,679
DESIGN FOR A DRESS
Jack Frank, New York, N. Y.
Application November 19, 1937, Serial No. 73,031
Term of patent 3½ years



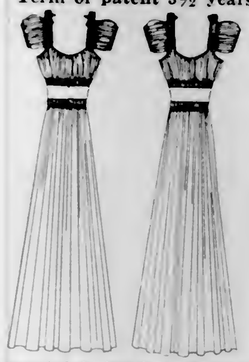
The ornamental design for a dress, substantially as shown.

107,680
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application December 1, 1937, Serial No. 73,292
Term of patent 3½ years



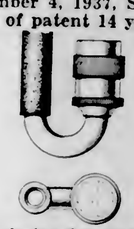
The ornamental design for a handbag substantially as shown.

107,681
DESIGN FOR A DRESS
Jack Greenman, New York, N. Y.
Application November 30, 1937, Serial No. 73,270
Term of patent 3½ years



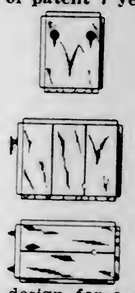
The ornamental design for a dress substantially as shown.

107,682
DESIGN FOR AN AUTOMOTIVE RADIATOR SEALING AND PRESSURE RELIEF VALVE OR THE LIKE
Arthur F. Grigg, Metuchen, and John E. Zeller, Montclair, N. J.
Application December 4, 1937, Serial No. 73,380
Term of patent 14 years



The ornamental design for an automotive radiator sealing and pressure relief valve or the like substantially as shown and described.

107,683
DESIGN FOR A CASING FOR FURNACES OR THE LIKE
George D. Hauser, Utica, N. Y., assignor to Utica Products Incorporated, Utica, N. Y., a corporation of New York
Application April 28, 1937, Serial No. 69,019
Term of patent 7 years



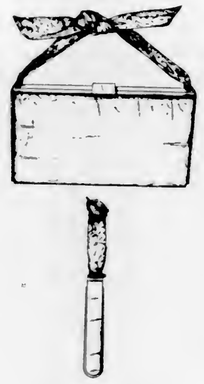
The ornamental design for a casing for furnaces or the like, as shown.

107,684
DESIGN FOR A BALLOON
Elmer E. Krueger, Chicago, Ill., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill., a corporation of Delaware
Application July 3, 1937, Serial No. 70,256
Term of patent 7 years



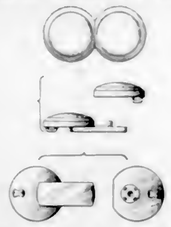
The ornamental design for a balloon, as shown and described.

107,685
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y., assignor to Helena Rubinstein Inc., New York, N. Y., a corporation of New York
Application June 26, 1937, Serial No. 70,064
Term of patent 3½ years



The ornamental design for a handbag as shown and described.

107,686
DESIGN FOR A BUTTON
Julius Lichter, Lawrence, N. Y.
Application October 9, 1937, Serial No. 72,097
Term of patent 3½ years



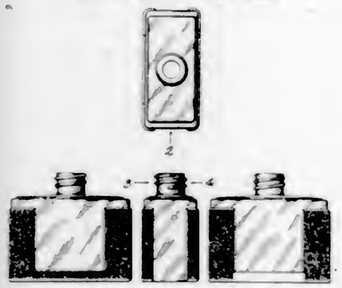
The ornamental design for a button, as shown and described.

107,687
DESIGN FOR A COMBINED WATCH AND MIRROR WITH HOLDER THEREFOR
Joseph Lipschutz and Harry C. Ruger, Brooklyn, N. Y.
Application June 24, 1937, Serial No. 70,046
Term of patent 7 years



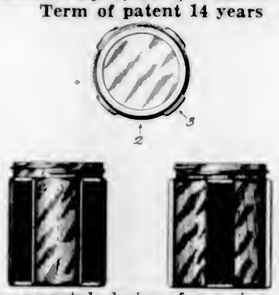
The ornamental design for a combined watch and mirror with holder therefor, as shown and described.

107,688
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Philip G. Lloyd, Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application July 9, 1937, Serial No. 70,330
Term of patent 14 years



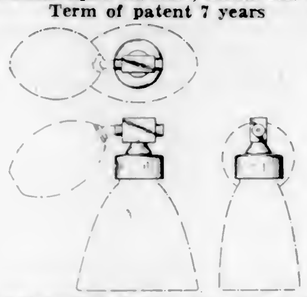
The ornamental design for a bottle or similar article, as shown.

107,689
DESIGN FOR A JAR OR SIMILAR ARTICLE
Philip G. Lloyd, Jackson Heights, N. Y., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application July 9, 1937, Serial No. 70,331
Term of patent 14 years



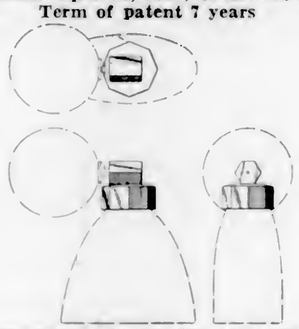
The ornamental design for a jar or similar article, as shown.

107,690
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,718
Term of patent 7 years



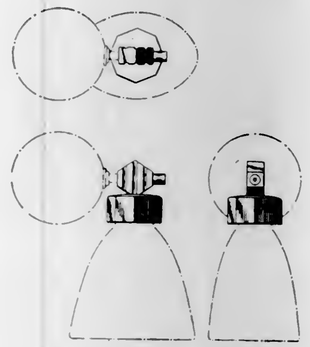
The ornamental design for an atomizer, as shown and described.

107,691
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,719
Term of patent 7 years



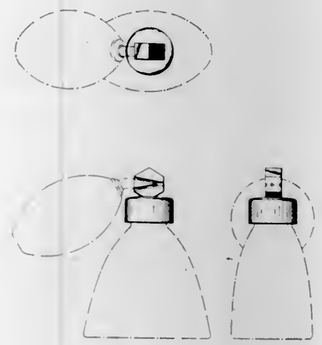
The ornamental design for an atomizer, as shown and described.

107,692
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,722
Term of patent 7 years



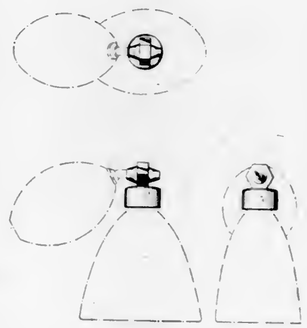
The ornamental design for an atomizer as shown and described.

107,693
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,723
Term of patent 7 years



The ornamental design for an atomizer as shown and described.

107,694
DESIGN FOR AN ATOMIZER
Frederick W. Lohse, Attleboro, Mass., assignor to T. J. Holmes Company, Inc., Norton, Mass., a corporation of Massachusetts
Application April 13, 1937, Serial No. 68,724
Term of patent 7 years



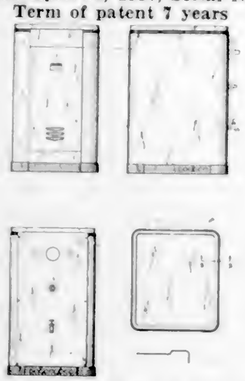
The ornamental design for an atomizer as shown and described.

107,695
DESIGN FOR A TEXTILE FABRIC
Marcel Mey, Paris, France, assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application August 23, 1937, Serial No. 71,285
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

107,696
DESIGN FOR A WATER HEATER
Clarence H. Morrow, Shaker Heights, Ohio, assignor to The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio
Application April 30, 1937, Serial No. 69,079
Term of patent 7 years



The ornamental design for a water heater, as shown and described.

107,697
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application November 20, 1937, Serial No. 73,066
Term of patent 3½ years



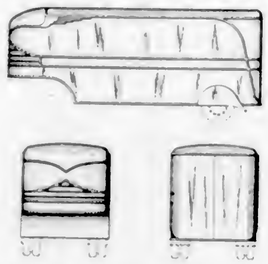
The ornamental design for a bridge for an ophthalmic mounting, substantially as shown.

107,698
DESIGN FOR A BRIDGE FOR AN OPHTHALMIC MOUNTING
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application November 20, 1937, Serial No. 73,067
Term of patent 3½ years



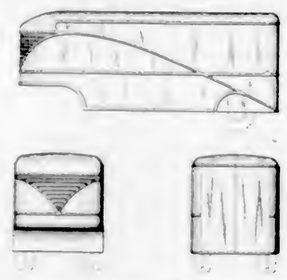
The ornamental design for a bridge for an ophthalmic mounting, substantially as shown.

107,699
DESIGN FOR A TRAILER VEHICLE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1937, Serial No. 72,569
Term of patent 3½ years



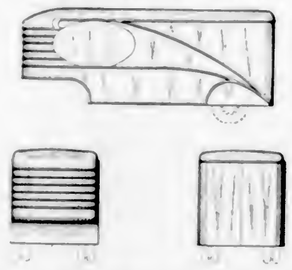
The ornamental design for a trailer vehicle as shown.

107,700
DESIGN FOR A TRAILER VEHICLE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1937, Serial No. 72,570
Term of patent 3½ years



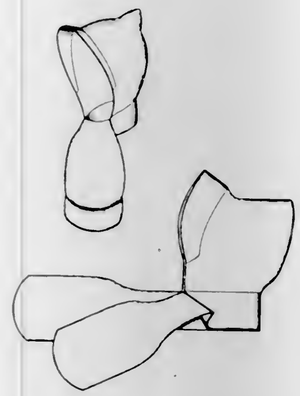
The ornamental design for a trailer vehicle as shown.

107,701
DESIGN FOR A TRAILER VEHICLE
Frederick M. Reid, Detroit, Mich., assignor to Fruehauf Trailer Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1937, Serial No. 72,571
Term of patent 3½ years



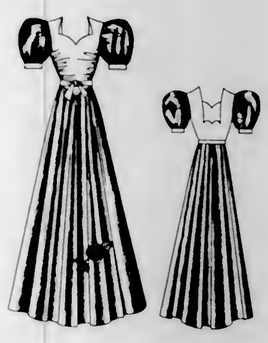
The ornamental design for a trailer vehicle as shown.

107,702
DESIGN FOR A KNITTED HOOD AND SCARF ASSEMBLY
Samuel Rosenberg, Milwaukee, Wis.
Application November 22, 1937, Serial No. 73,103
Term of patent 7 years



The ornamental design for a knitted hood and scarf assembly, as shown.

107,703
DESIGN FOR A DRESS
Maxwell A. Rudolph, New York, N. Y.
Application November 19, 1937, Serial No. 73,023
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,704
DESIGN FOR A LIPSTICK HOLDER
Elsa Schiaparelli, Paris, France
Application November 17, 1937, Serial No. 72,952
Term of patent 14 years



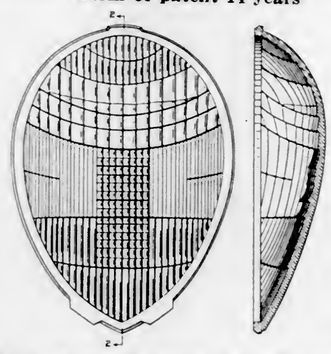
The ornamental design for a lipstick holder as shown and described.

107,705
DESIGN FOR A GRILLE OR SIMILAR ARTICLE
Herbert Smith, Clinton, and Melcher Gustaf Werme, Worcester, Mass., assignors to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware
Application July 28, 1937, Serial No. 70,706
Term of patent 14 years



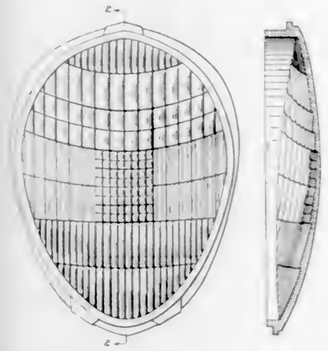
The ornamental design for a grille or similar article as shown.

107,706
DESIGN FOR AN AUTOMOBILE HEADLIGHT LENS
Maurice A. Smith, Jeannette, Pa.
Application September 29, 1937, Serial No. 71,859
Term of patent 14 years



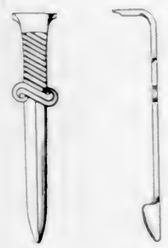
The ornamental design for an automobile headlight lens, as shown.

107,707
DESIGN FOR AN AUTOMOBILE HEADLIGHT LENS
Maurice A. Smith, Jeannette, Pa.
Application September 24, 1937, Serial No. 71,766
Term of patent 14 years



The ornamental design for an automobile headlight lens, as shown.

107,708
DESIGN FOR A FOUNTAIN PEN AND PENCIL CLIP
Paul M. Ressinger, Chicago, Ill., and Ivan D. Tefft, Janesville, Wis., assignors to The Parker Pen Company, Janesville, Wis., a corporation of Wisconsin
Application March 18, 1937, Serial No. 68,266
Term of patent 14 years



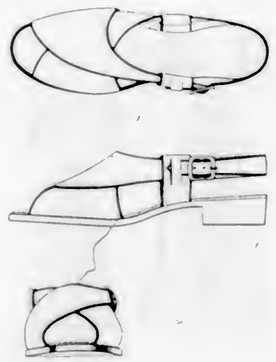
The ornamental design for a fountain pen and pencil clip, substantially as shown and described.

107,709
DESIGN FOR AN ATOMIZER
Robert P. Vuillemenot, New York, N. Y., assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application November 17, 1937, Serial No. 72,960
Term of patent 3½ years



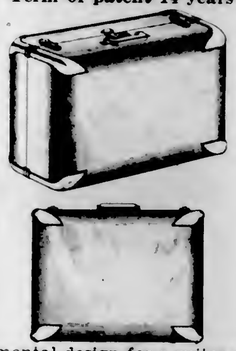
The ornamental design for an atomizer, substantially as shown and described.

107,710
DESIGN FOR A SHOE
Burton L. Wales, Abington, Mass., assignor to The Stetson Shoe Company, Inc., Weymouth, Mass., a corporation of Massachusetts
Application October 18, 1937, Serial No. 72,290
Term of patent 3½ years



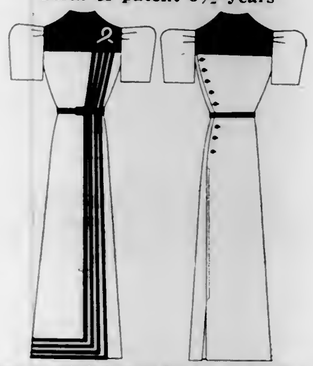
The ornamental design for a shoe, substantially as shown.

107,711
DESIGN FOR A SUITCASE
Elmer Ellsworth Wilt, Chicago, Ill.
Application August 13, 1937, Serial No. 71,065
Term of patent 14 years



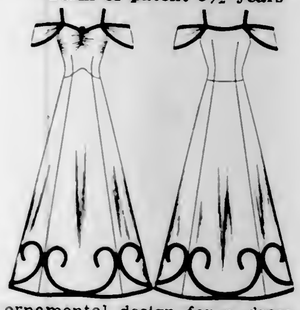
The ornamental design for a suitcase as shown.

107,712
DESIGN FOR A DRESS
Tora Coleman, New York, N. Y.
Application November 22, 1937, Serial No. 73,085
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,713
DESIGN FOR A DRESS
Sylvia Comolli, New York, N. Y.
Application November 23, 1937, Serial No. 73,118
Term of patent 3½ years



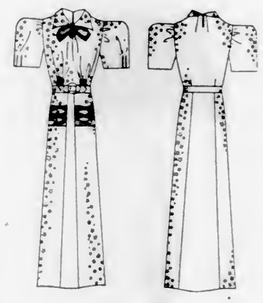
The ornamental design for a dress, substantially as shown.

107,714
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application November 13, 1937, Serial No. 72,830
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

107,715
DESIGN FOR A DRESS
Joseph Zinn, New York, N. Y.
Application November 16, 1937, Serial No. 72,914
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

107,716
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,471
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

107,717
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,472
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

107,718
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,473
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

107,719
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,474
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

107,720
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,475
Term of patent 3½ years



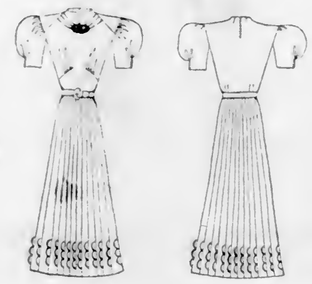
The ornamental design for a handbag, substantially as shown, and described.

107,721
DESIGN FOR A HANDBAG
Henri Felmann, Chicago, Ill.
Application December 8, 1937, Serial No. 73,477
Term of patent 3½ years



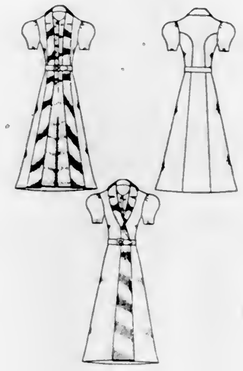
The ornamental design for a handbag, substantially as shown, and described.

107,722
DESIGN FOR A DRESS
Louise Fenaroli, Astoria, Long Island, N. Y.
Application November 17, 1937, Serial No. 72,941
Term of patent 3½ years



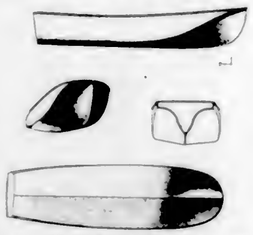
The ornamental design for a dress substantially as shown and described.

107,723
DESIGN FOR A DUPLEX HOUSE-COAT
Henry Leone, New Dorp, N. Y.
Application September 13, 1937, Serial No. 71,586
Term of patent 7 years



The ornamental design for a duplex house-coat, as shown and described.

107,724
DESIGN FOR A BOAT HULL
Alfred E. Luders, Stamford, Conn.
Application May 1, 1937, Serial No. 69,116
Term of patent 14 years



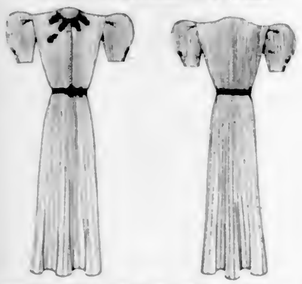
The ornamental design for a boat hull, substantially as shown and described.

107,725
DESIGN FOR A DRESS ENSEMBLE
Sally Messina, New York, N. Y.
Application November 20, 1937, Serial No. 73,047
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

107,726
DESIGN FOR A DRESS
Elizabeth Noest, Brooklyn, N. Y.
Application November 12, 1937, Serial No. 72,819
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,727
DESIGN FOR A DRESS
Vivian Rose, New York, N. Y.
Application November 27, 1937, Serial No. 73,213
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

107,728
DESIGN FOR A DRESS
Philip Schlessel, New York, N. Y.
Application November 11, 1937, Serial No. 72,805
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,729
DESIGN FOR A DRESS
Marie Eileen Smith, New York, N. Y.
Application November 11, 1937, Serial No. 72,806
Term of patent 3½ years



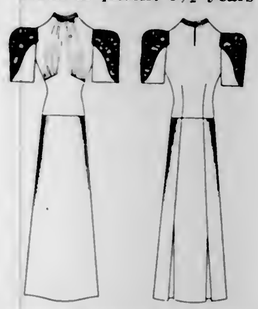
The ornamental design for a dress, substantially as shown and described.

107,730
DESIGN FOR A DRESS
Marie Eileen Smith, New York, N. Y.
Application November 13, 1937, Serial No. 72,836
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

107,731
DESIGN FOR A DRESS
Victor Tomshinsky, New York, N. Y.
Application November 19, 1937, Serial No. 73,024
Term of patent 3½ years



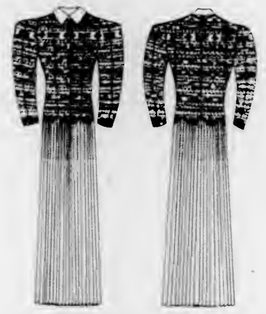
The ornamental design for a dress substantially as shown.

107,732
DESIGN FOR A DRESS
Victor Tomshinsky, New York, N. Y.
Application November 22, 1937, Serial No. 73,091
Term of patent 3½ years



The ornamental design for a dress substantially as shown and described.

107,733
DESIGN FOR A DRESS
Victor Tomshinsky, New York, N. Y.
Application November 22, 1937, Serial No. 73,092
Term of patent 3½ years



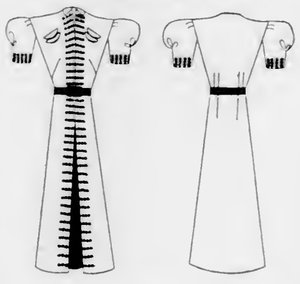
The ornamental design for a dress substantially as shown and described.

107,734
DESIGN FOR A DRESS
John Tuman, Mount Vernon, N. Y.
Application November 27, 1937, Serial No. 73,208
Term of patent 3½ years



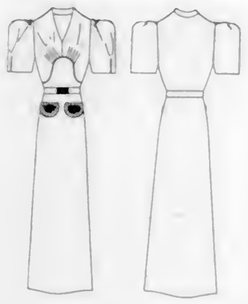
The ornamental design for a dress substantially as shown.

107,735
DESIGN FOR A DRESS
John Tuman, Mount Vernon, N. Y.
Application November 27, 1937, Serial No. 73,207
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,736
DESIGN FOR A DRESS
Augusta Waxberg, New York, N. Y.
Application November 27, 1937, Serial No. 73,215
Term of patent 3½ years



The ornamental design for a dress substantially as shown.

107,737
DESIGN FOR A SMOCK
Jack Wien, Kansas City, Mo.
Application June 21, 1937, Serial No. 69,954
Term of patent 3½ years



The ornamental design for a smock, as shown and described.

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